

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\
 Data File : VN049813.D
 Acq On : 13 Jul 2018 22:38
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/16/2018 11:02:50 AM

Quant Time: Jul 14 01:44:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:51:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1133953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1671772	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1539598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	823155	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	670755	50.85	ug/l	0.00
Spiked Amount			Recovery	=	101.70%	
35) Dibromofluoromethane	7.59	113	639986	50.79	ug/l	0.00
Spiked Amount			Recovery	=	101.58%	
50) Toluene-d8	10.09	98	2137402	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
62) 4-Bromofluorobenzene	12.40	95	803102	52.13	ug/l	0.00
Spiked Amount			Recovery	=	104.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	459420	46.68	ug/l	97
3) Chloromethane	2.06	50	622821	47.84	ug/l	100
4) Vinyl Chloride	2.18	62	699771	48.63	ug/l	99
5) Bromomethane	2.56	94	412169	46.14	ug/l	98
6) Chloroethane	2.70	64	458510	45.46	ug/l	99
7) Trichlorofluoromethane	3.01	101	996270	46.34	ug/l	99
8) Diethyl Ether	3.41	74	349812	45.40	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	628957	45.07	ug/l	99
10) Methyl Iodide	3.95	142	890211	50.19	ug/l	99
11) Tert butyl alcohol	4.80	59	197483	223.69	ug/l	100
12) 1,1-Dichloroethene	3.74	96	552337	45.04	ug/l	98
13) Acrolein	3.61	56	140424	181.09	ug/l	96
14) Allyl chloride	4.33	41	885354	44.24	ug/l	98
15) Acrylonitrile	5.00	53	1055103	238.64	ug/l	98
16) Acetone	3.82	43	743972	228.99	ug/l	99
17) Carbon Disulfide	4.05	76	1418719	45.12	ug/l	99
18) Methyl Acetate	4.33	43	552158	50.12	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1653373	48.61	ug/l	99
20) Methylene Chloride	4.55	84	670407	49.53	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	596725	44.52	ug/l	99
22) Diisopropyl ether	5.96	45	2068209	50.31	ug/l	96
23) Vinyl Acetate	5.90	43	6780444	246.14	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1198324	46.40	ug/l	100
25) 2-Butanone	6.84	43	1179530	229.46	ug/l	100
26) 2,2-Dichloropropane	6.83	77	847477	39.54	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	711914	46.44	ug/l	98
28) Bromochloromethane	7.20	49	575964	49.04	ug/l	98
29) Tetrahydrofuran	7.22	42	777133	240.75	ug/l	99
30) Chloroform	7.37	83	1261535	47.41	ug/l	99
31) Cyclohexane	7.66	56	948900	46.15	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	1066226	47.18	ug/l	99
36) 1,1-Dichloropropene	7.80	75	890459	46.22	ug/l	100
37) Ethyl Acetate	6.93	43	548613	48.11	ug/l	99
38) Carbon Tetrachloride	7.78	117	930166	46.19	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.09	83	909116	44.77	ug/l	97
40) Benzene	8.04	78	2722800	47.24	ug/l	99
41) Methacrylonitrile	7.18	41	293211	45.46	ug/l	97
42) 1,2-Dichloroethane	8.13	62	882925	46.84	ug/l	100
43) Isopropyl Acetate	8.17	43	1243994	60.69	ug/l	96
44) Trichloroethene	8.84	130	706171	45.51	ug/l	99
45) 1,2-Dichloropropane	9.12	63	745700	48.15	ug/l	99
46) Dibromomethane	9.21	93	436321	47.43	ug/l	98
47) Bromodichloromethane	9.40	83	978336	48.30	ug/l	99
48) Methyl methacrylate	9.20	41	487969	47.62	ug/l	98
49) 1,4-Dioxane	9.20	88	130399	971.11	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	2800905	251.68	ug/l	100
52) Toluene	10.16	92	1698808	49.25	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	935094	47.99	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1079308	48.63	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	645652	49.47	ug/l	100
56) Ethyl methacrylate	10.43	69	790682	50.79	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1067599	48.58	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1922929	257.53	ug/l	100
59) 2-Hexanone	10.75	43	1831380	247.54	ug/l	99
60) Dibromochloromethane	10.90	129	745419	49.33	ug/l	100
61) 1,2-Dibromoethane	11.01	107	609399	48.55	ug/l	100
64) Tetrachloroethene	10.63	164	641223	45.87	ug/l	99
65) Chlorobenzene	11.44	112	1890908	47.14	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	738867	48.96	ug/l	99
67) Ethyl Benzene	11.51	91	3241276	49.35	ug/l	100
68) m/p-Xylenes	11.62	106	2505163	101.62	ug/l	99
69) o-Xylene	11.95	106	1193455	50.11	ug/l	99
70) Styrene	11.97	104	2025052	53.53	ug/l	100
71) Bromoform	12.13	173	509662	49.99	ug/l #	100
73) Isopropylbenzene	12.25	105	3246184	47.45	ug/l	100
74) N-amyl acetate	12.07	43	888308	49.91	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	806039	51.18	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	666319m	45.57	ug/l	
77) Bromobenzene	12.53	156	839788	46.27	ug/l	99
78) n-propylbenzene	12.59	91	3750847	48.63	ug/l	100
79) 2-Chlorotoluene	12.68	91	2234814	47.34	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2672393	49.16	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	209920	46.36	ug/l	100
82) 4-Chlorotoluene	12.77	91	2242460	47.90	ug/l	100
83) tert-Butylbenzene	12.99	119	2318338	47.66	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2744594	50.34	ug/l	100
85) sec-Butylbenzene	13.17	105	3131656	49.12	ug/l	99
86) p-Isopropyltoluene	13.29	119	2708146	50.20	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1492921	47.45	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1450848	47.43	ug/l	99
89) n-Butylbenzene	13.62	91	2189217	49.16	ug/l	99
90) Hexachloroethane	13.88	117	510819	48.92	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1479920	48.19	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	121199	50.13	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	735911	43.99	ug/l	99
94) Hexachlorobutadiene	15.01	225	451197	47.96	ug/l	99
95) Naphthalene	15.14	128	1521081	42.45	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	739941	49.69	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

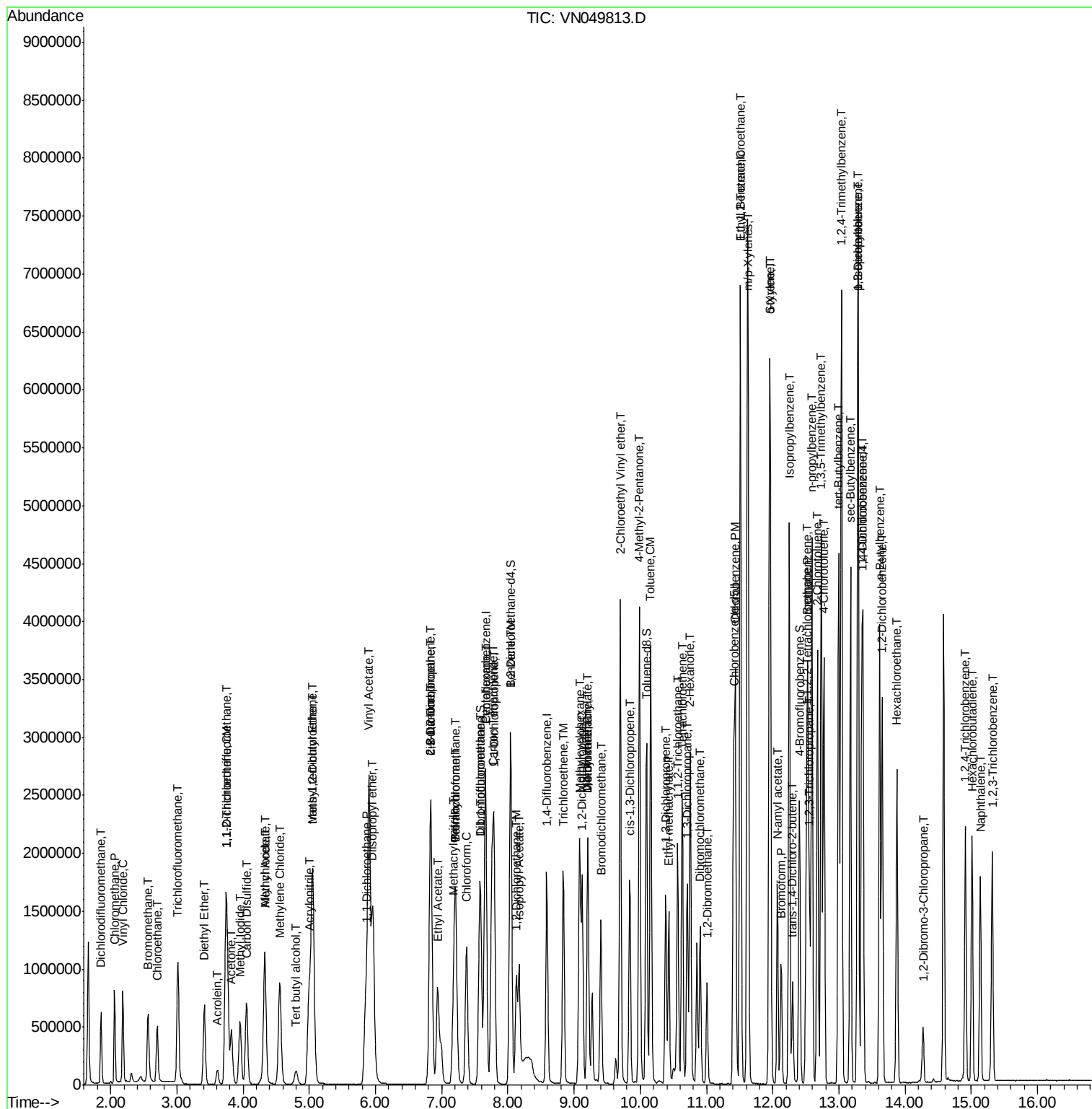
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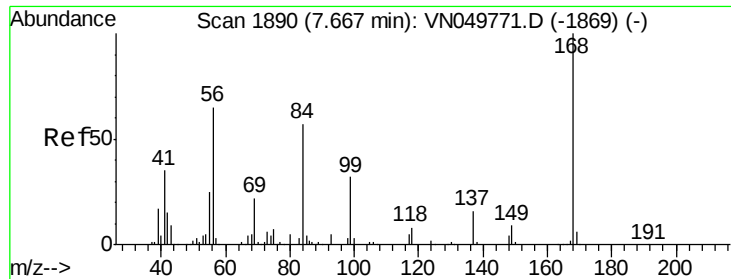
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1133953

Ion Ratio Lower Upper

168 100

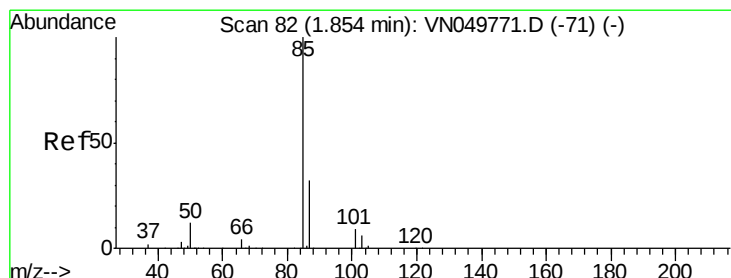
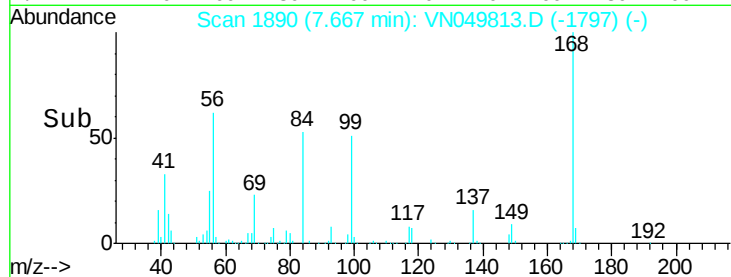
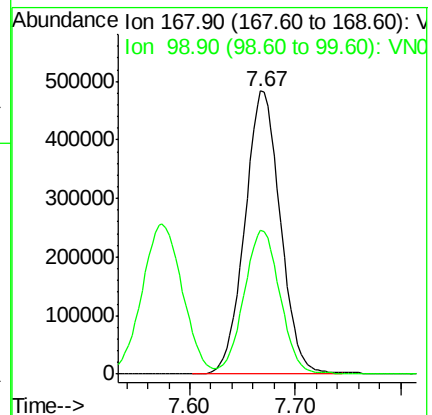
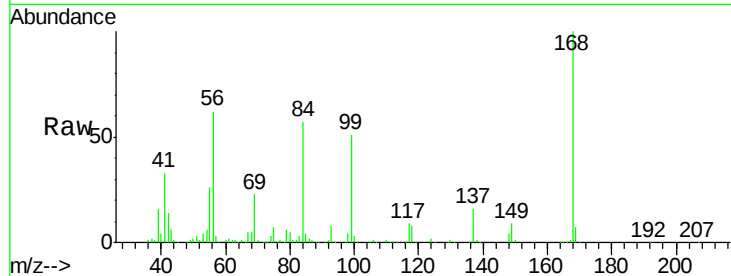
99 50.4 40.6 61.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 46.68 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049813.D

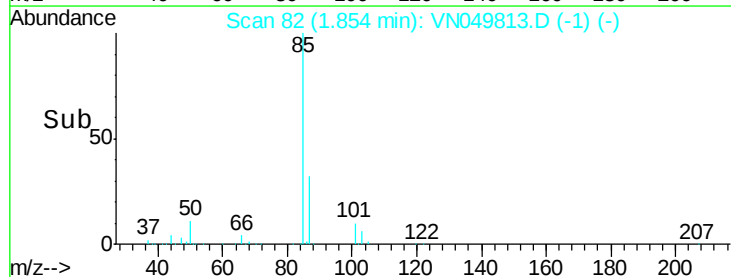
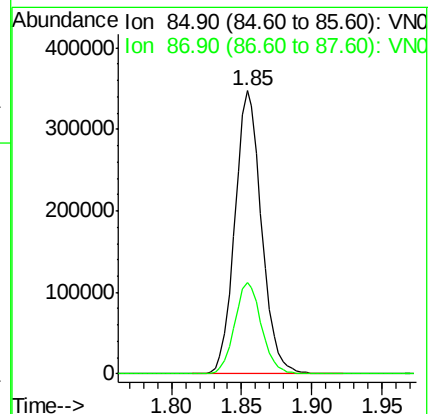
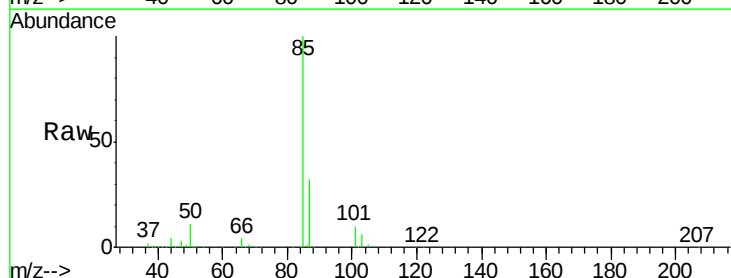
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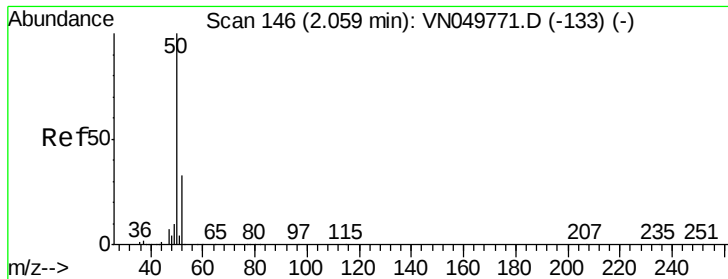
Tgt Ion: 85 Resp: 459420

Ion Ratio Lower Upper

85 100

87 32.4 15.4 46.1





#3

Chloromethane

Concen: 47.84 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 622821

Ion Ratio Lower Upper

50 100

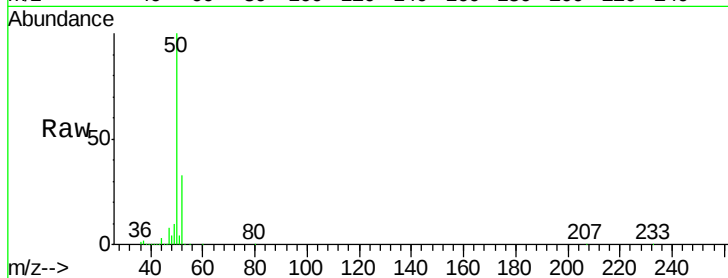
52 32.6 26.1 39.1

Manual Integrations

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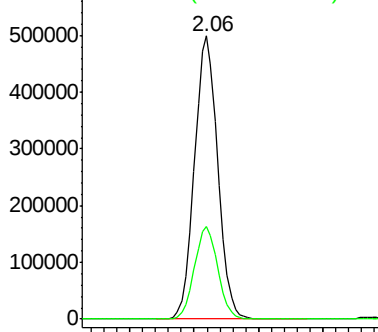
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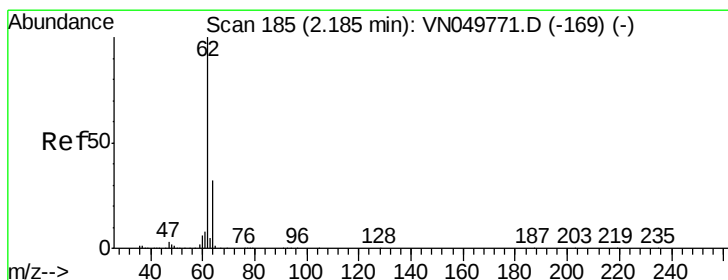
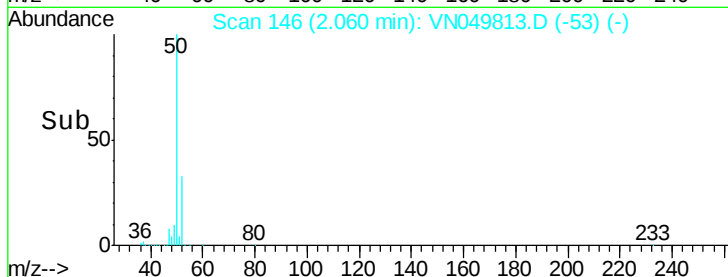


Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



Time-->



#4

Vinyl Chloride

Concen: 48.63 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049813.D

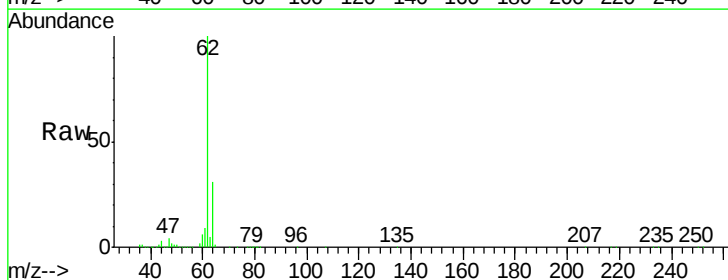
Acq: 13 Jul 2018 22:38

Tgt Ion: 62 Resp: 699771

Ion Ratio Lower Upper

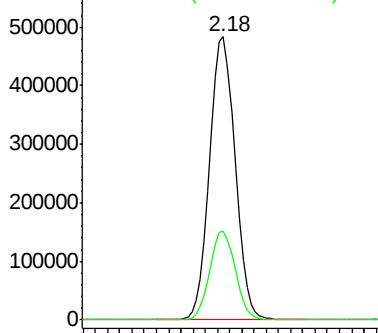
62 100

64 31.4 25.4 38.0

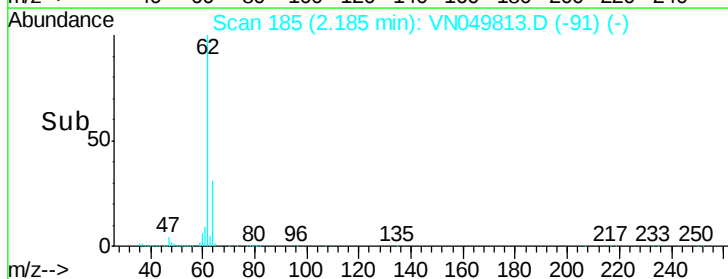


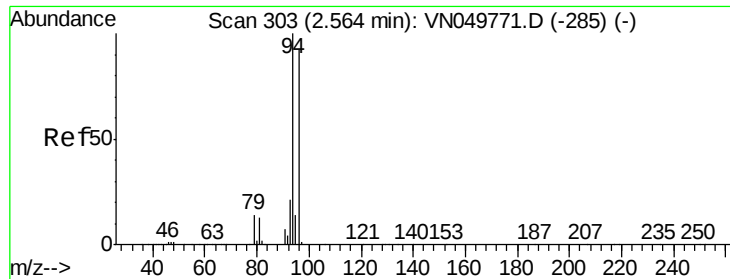
Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



Time-->





#5

Bromomethane

Concen: 46.14 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

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VSTDCCC050

Tot Ion: 94 Resp: 412169

Ion Ratio Lower Upper

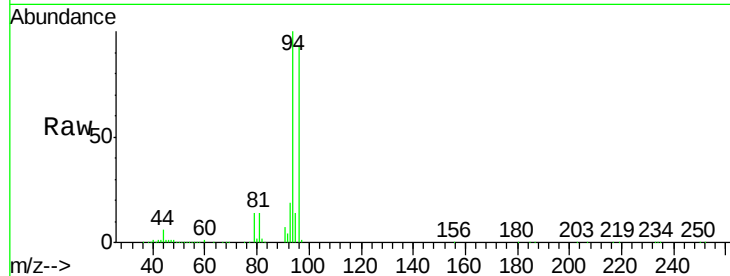
94 100

96 92.8 75.7 113.5

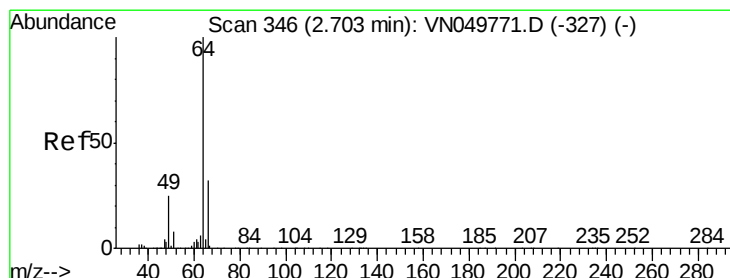
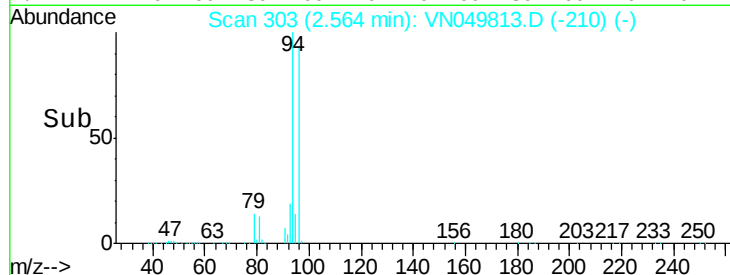
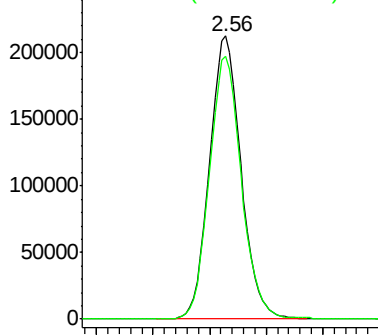
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Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 45.46 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049813.D

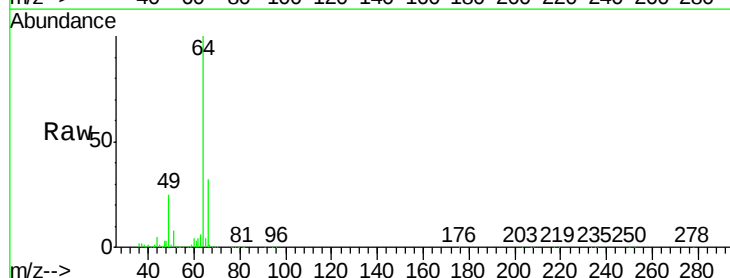
Acq: 13 Jul 2018 22:38

Tgt Ion: 64 Resp: 458510

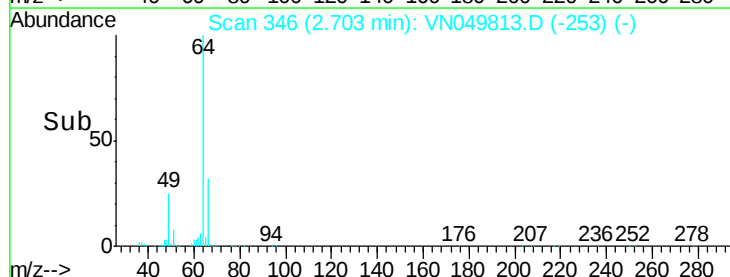
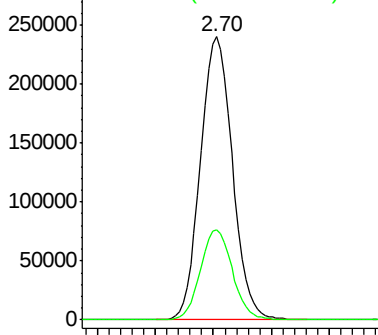
Ion Ratio Lower Upper

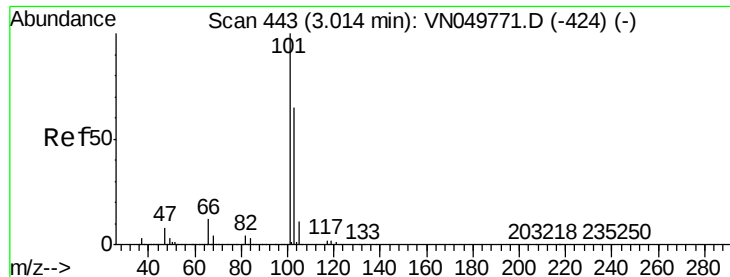
64 100

66 31.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO





#7

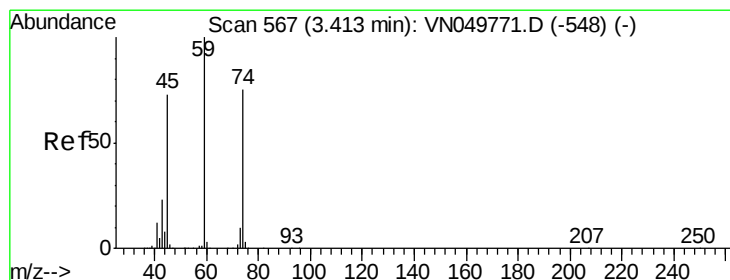
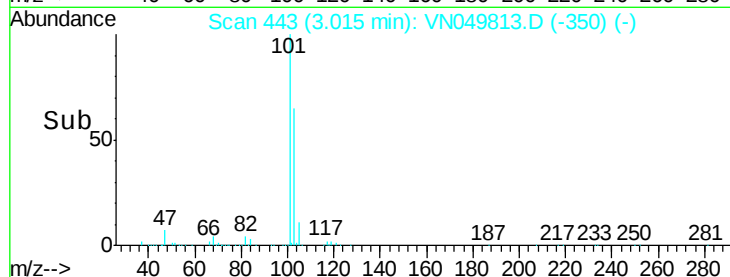
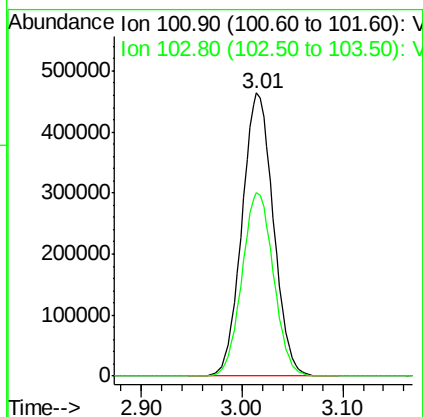
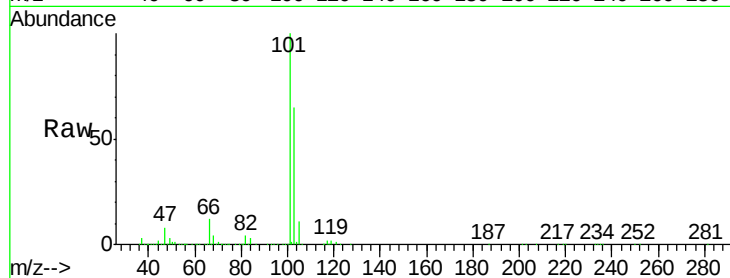
Trichlorofluoromethane
Concen: 46.34 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.8	79.2

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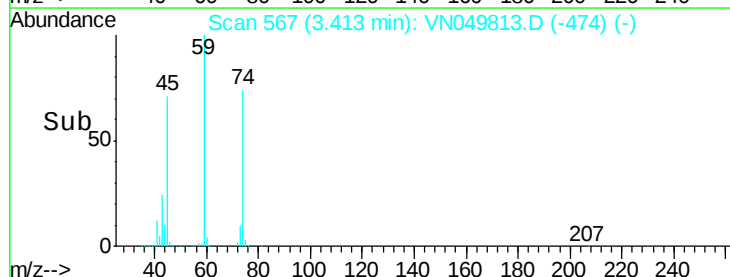
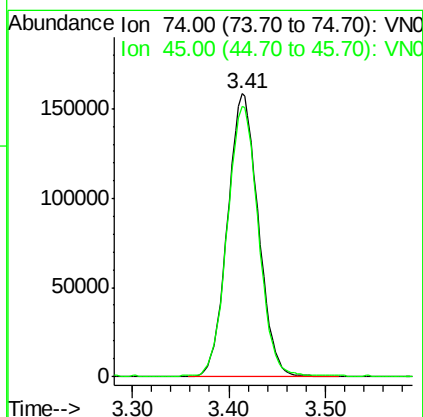
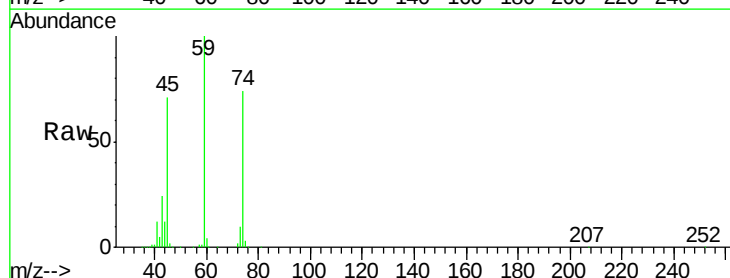
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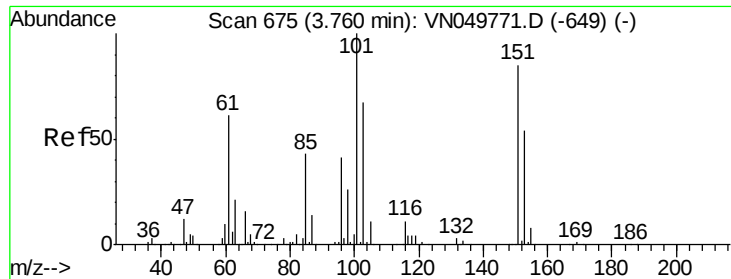


#8

Diethyl Ether
Concen: 45.40 ug/l
RT: 3.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.07 ug/l

RT: 3.76 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

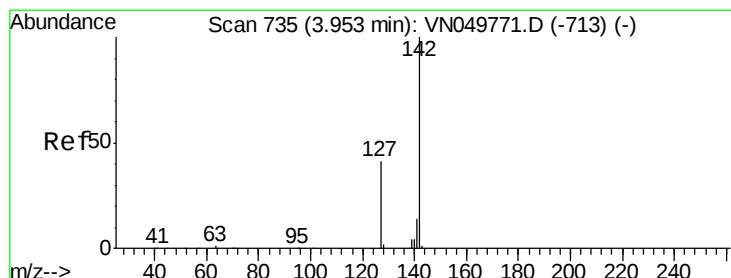
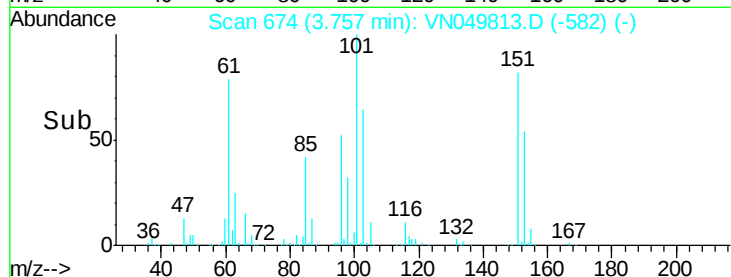
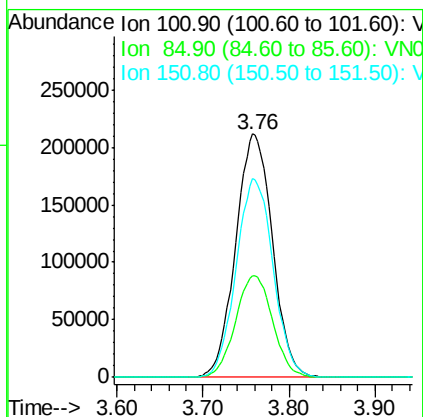
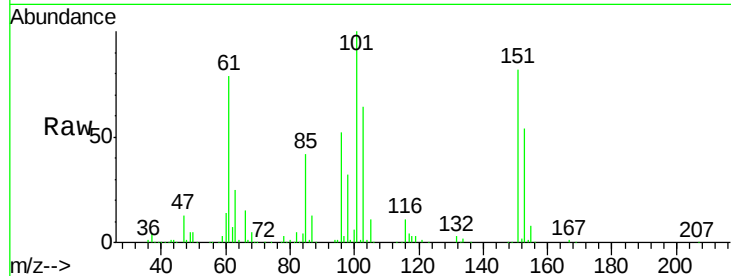
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	628957
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.4	51.6
151	82.3	66.2	99.4

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#10

Methyl Iodide

Concen: 50.19 ug/l

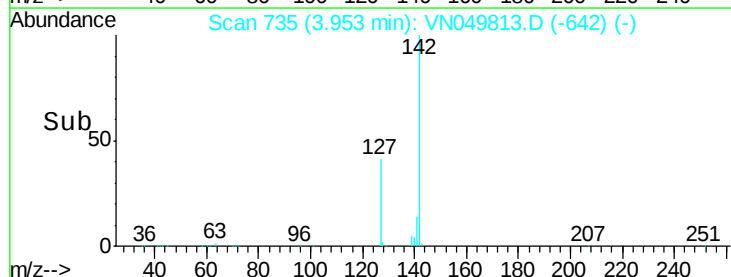
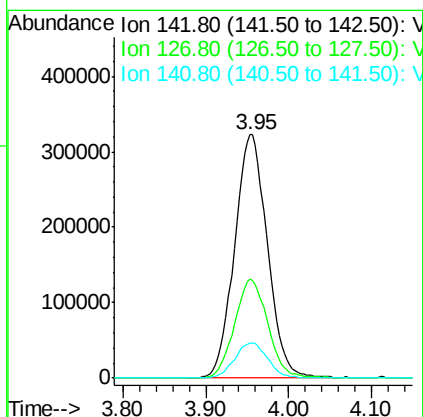
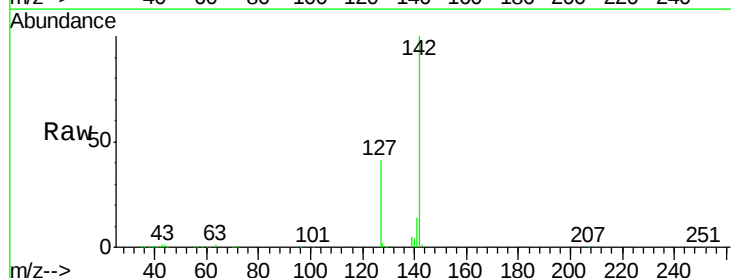
RT: 3.95 min Scan# 735

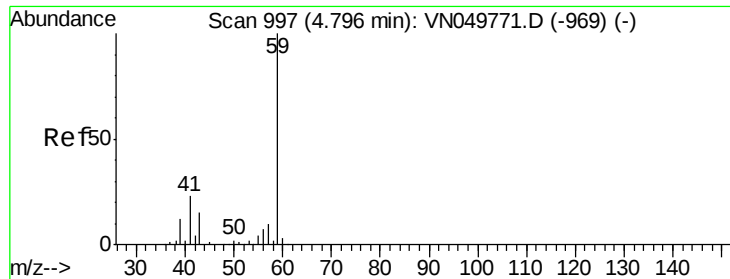
Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Tgt Ion:	142	Resp:	890211
Ion Ratio	Lower	Upper	
142	100		
127	41.4	32.5	48.7
141	14.5	11.1	16.7





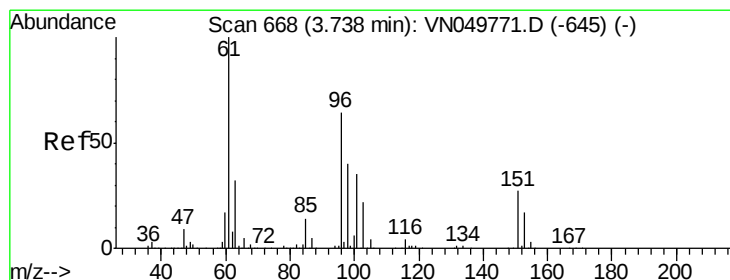
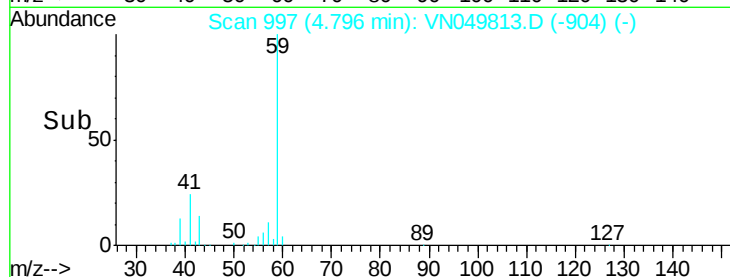
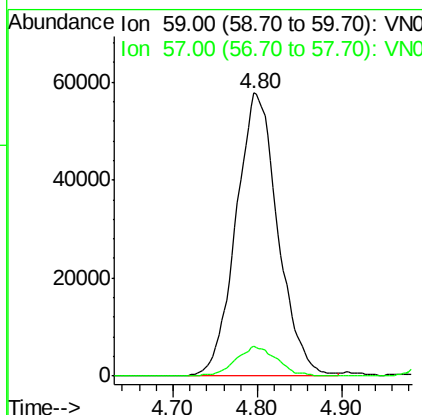
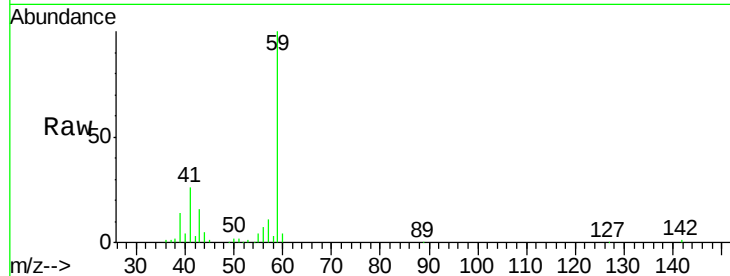
#11
Tert butyl alcohol
Concen: 223.69 ug/l
RT: 4.80 min Scan# 997
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.5	12.7

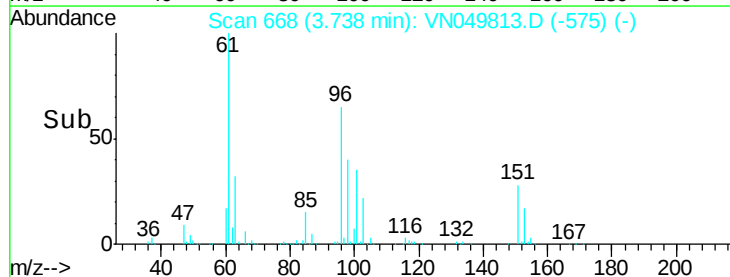
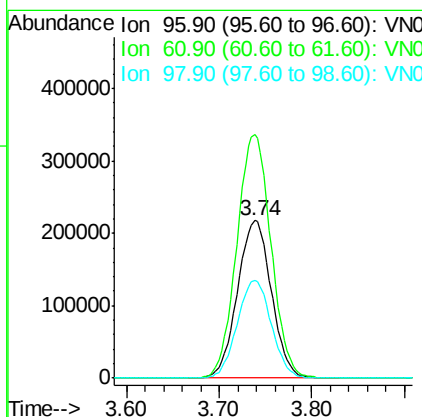
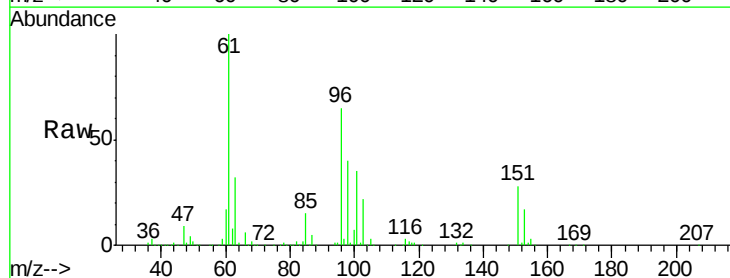
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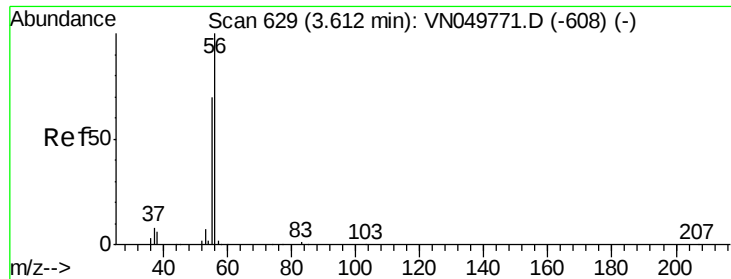
MMDadoda
7/16/2018 11:02:50 AM



#12
1,1-Dichloroethene
Concen: 45.04 ug/l
RT: 3.74 min Scan# 668
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.7	126.5	189.7
98	62.3	51.0	76.6





#13

Acrolein

Concen: 181.09 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 140424

Ion Ratio Lower Upper

56 100

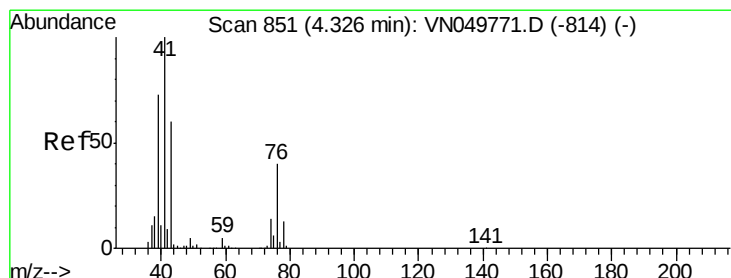
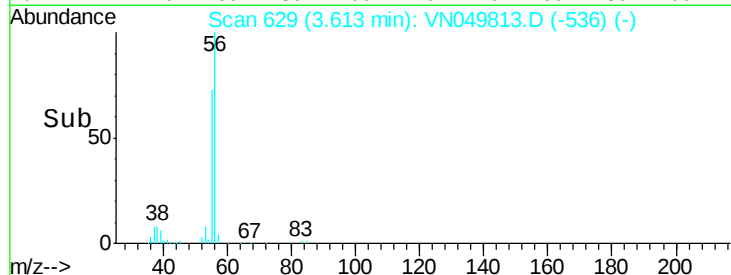
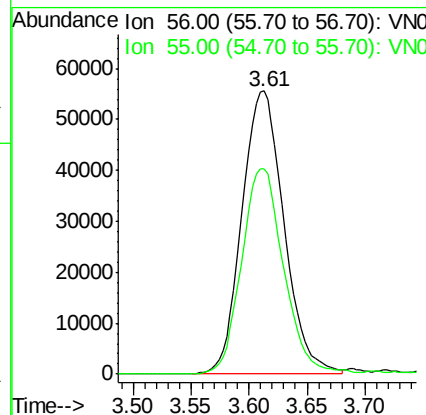
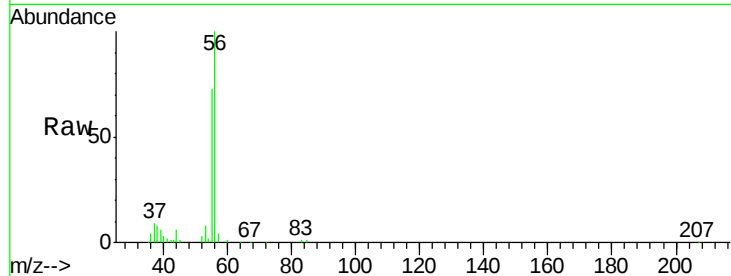
55 72.7 55.8 83.8

Manual Integrations

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MMDadoda

7/16/2018 11:02:50 AM



#14

Allyl chloride

Concen: 44.24 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

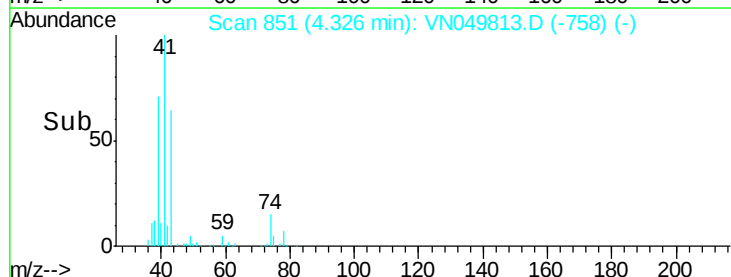
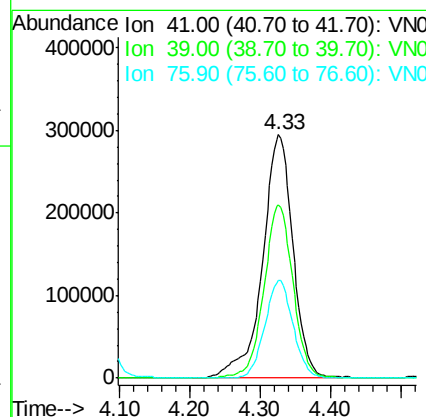
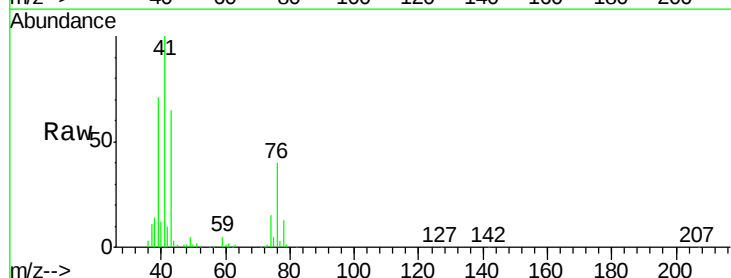
Tgt Ion: 41 Resp: 885354

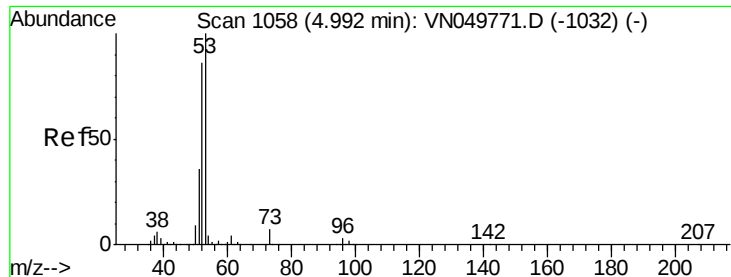
Ion Ratio Lower Upper

41 100

39 68.3 53.2 79.8

76 37.0 29.0 43.6





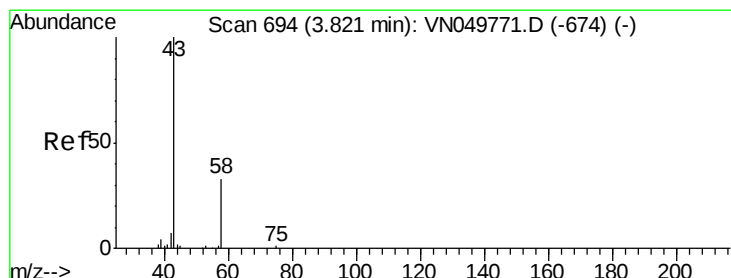
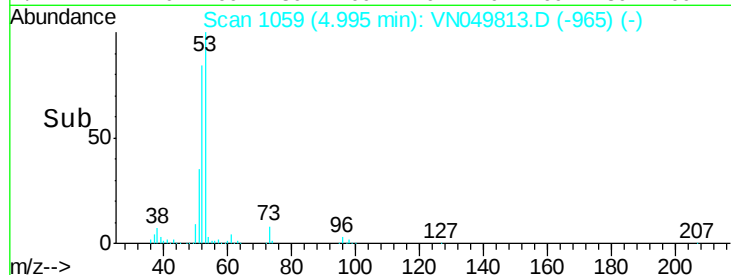
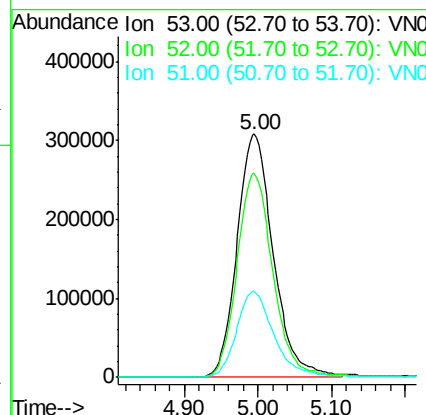
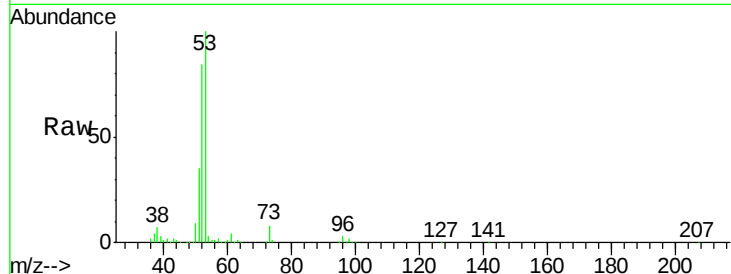
#15
 Acrylonitrile
 Concen: 238.64 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN049813.D
 Acq: 13 Jul 2018 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	53	Resp	1055103
Ion Ratio	Lower	Upper	
53	100		
52	83.2	64.8	97.2
51	36.7	28.9	43.3

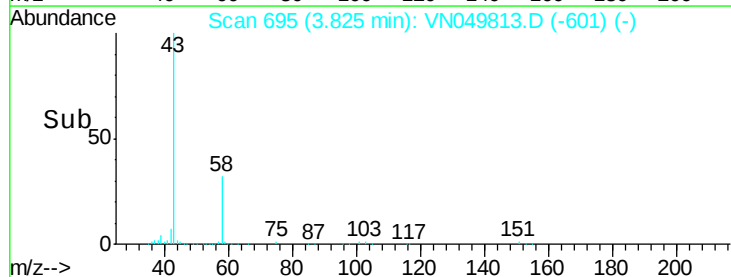
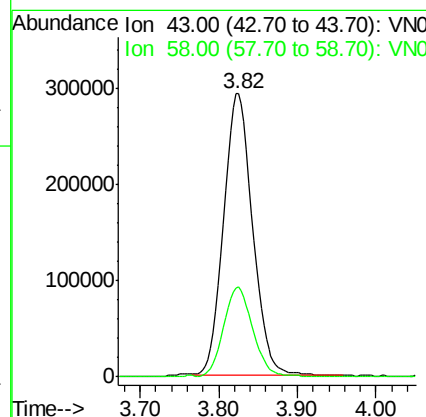
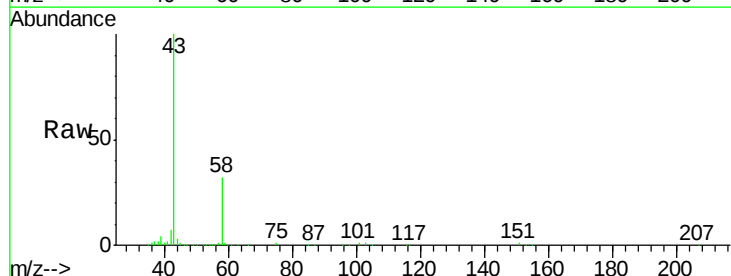
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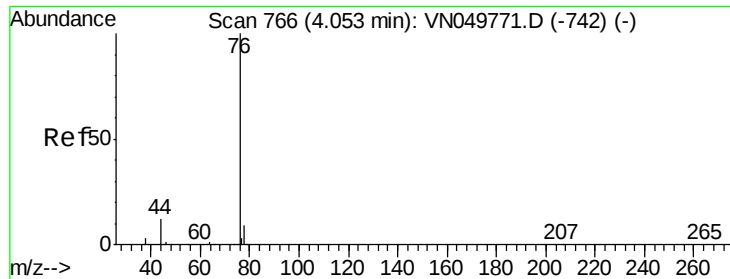
MMDadoda
 7/16/2018 11:02:50 AM



#16
 Acetone
 Concen: 228.99 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN049813.D
 Acq: 13 Jul 2018 22:38

Tgt Ion	43	Resp	743972
Ion Ratio	Lower	Upper	
43	100		
58	31.7	25.9	38.9





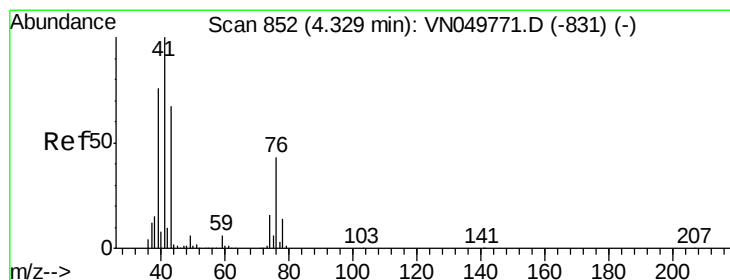
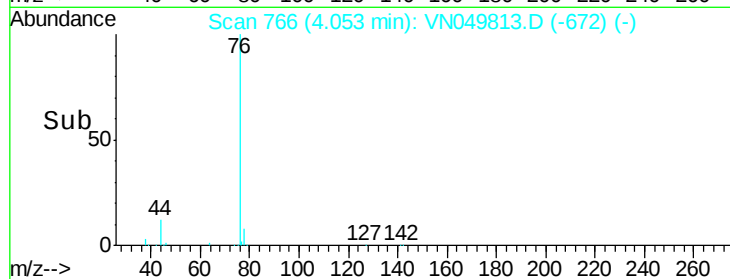
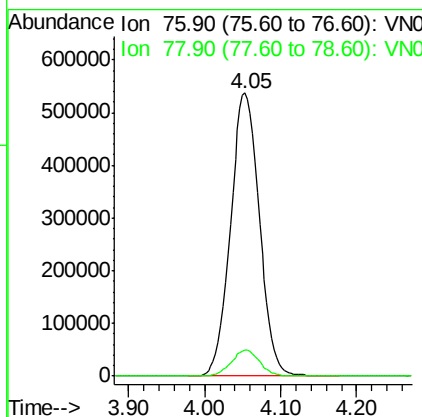
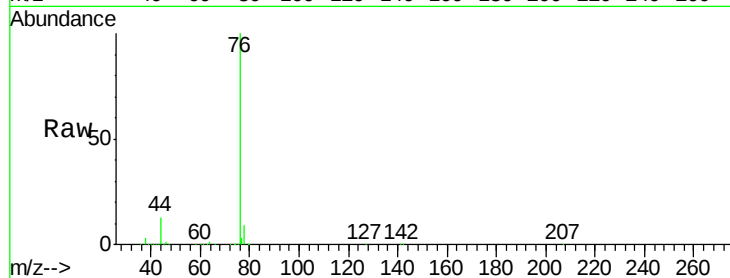
#17
Carbon Disulfide
Concen: 45.12 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1418719
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7

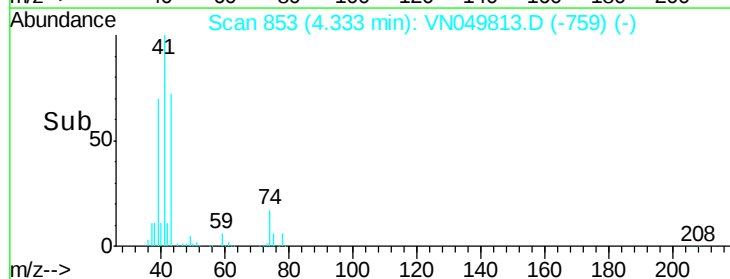
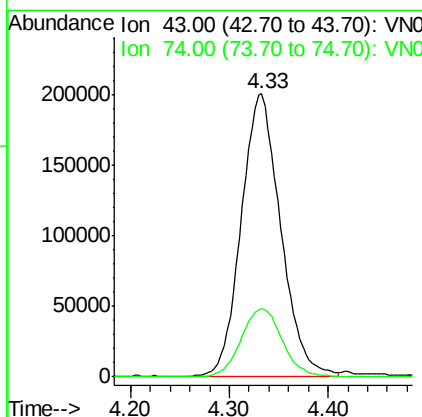
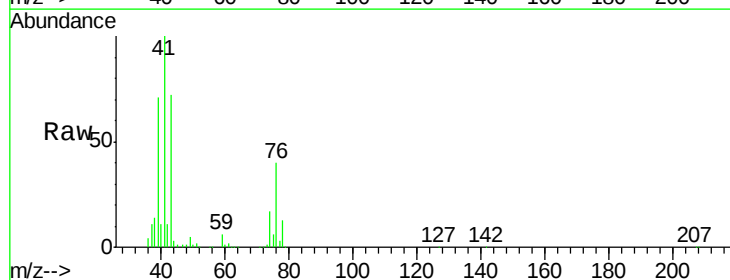
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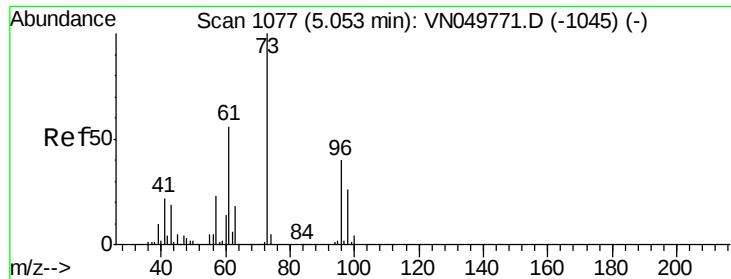
MMDadoda
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#18
Methyl Acetate
Concen: 50.12 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Tgt Ion: 43 Resp: 552158
Ion Ratio Lower Upper
43 100
74 25.3 19.8 29.8





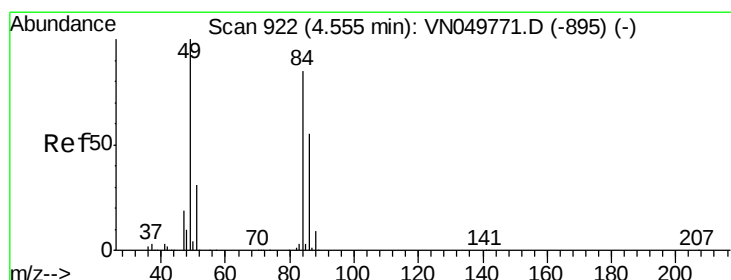
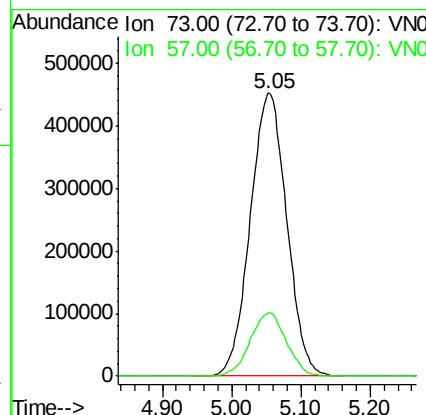
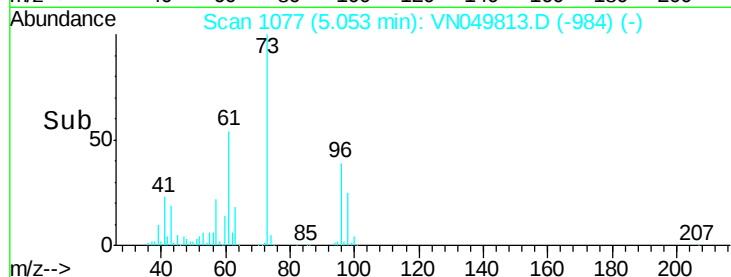
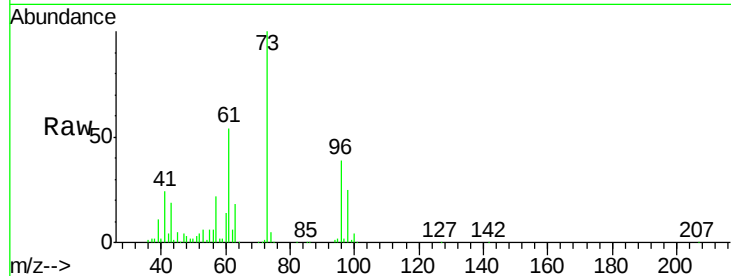
#19
Methvl tert-butvl Ether
Concen: 48.61 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1653373
Ion Ratio Lower Upper
73 100
57 22.3 18.1 27.1

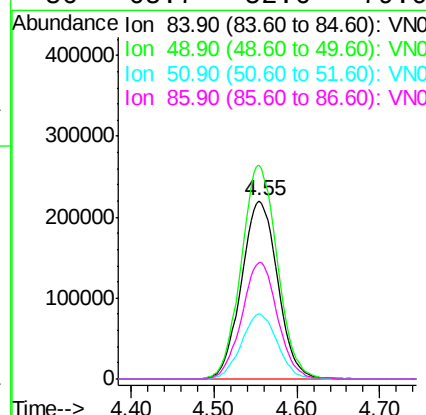
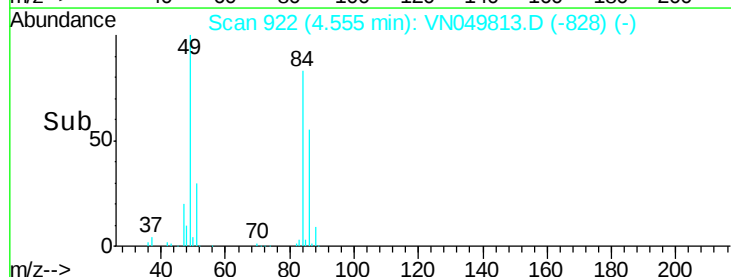
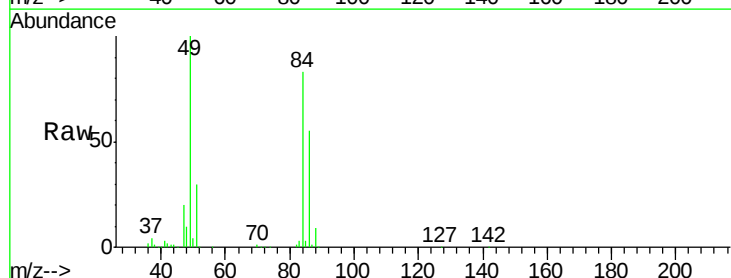
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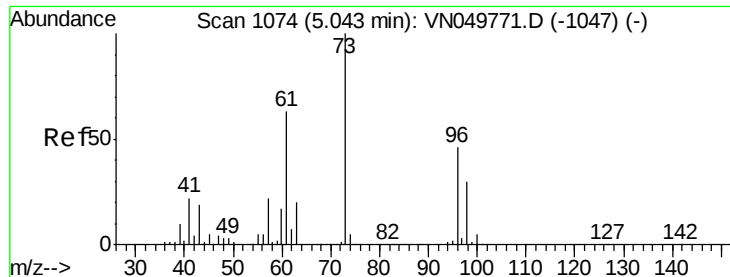
MMDadoda
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#20
Methylene Chloride
Concen: 49.53 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Tgt Ion: 84 Resp: 670407
Ion Ratio Lower Upper
84 100
49 119.9 95.4 143.2
51 36.4 28.4 42.6
86 65.7 52.6 79.0





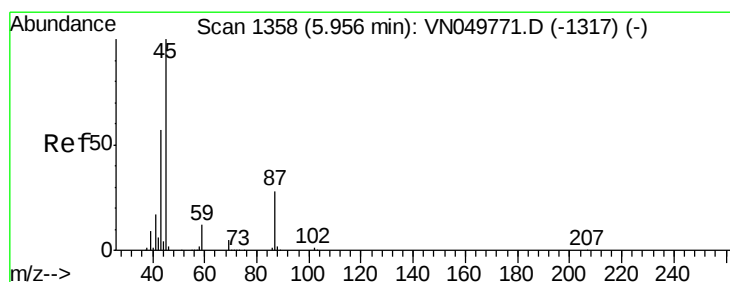
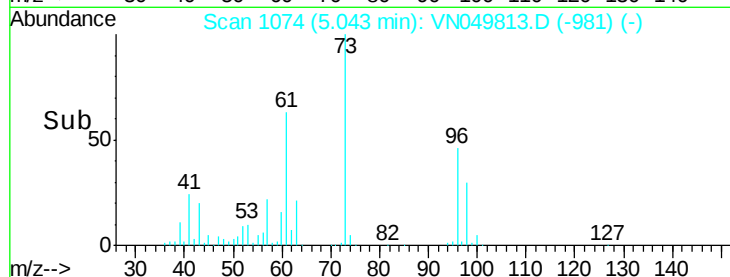
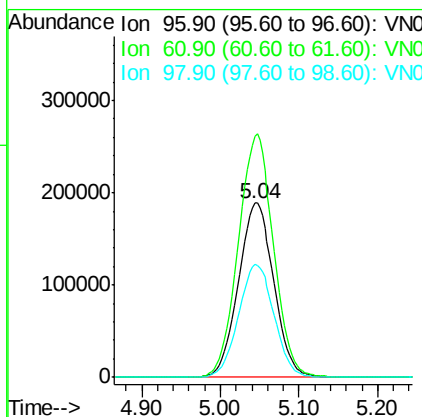
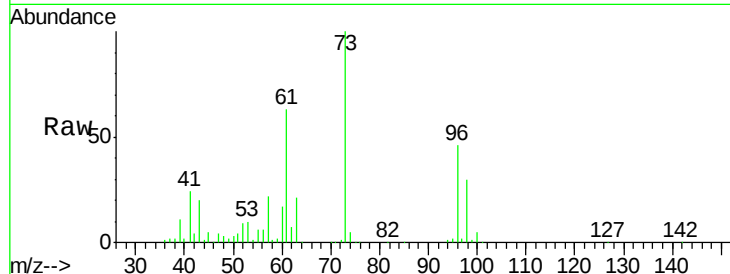
#21
trans-1,2-Dichloroethene
Concen: 44.52 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.9	109.0	163.6
98	65.0	51.1	76.7

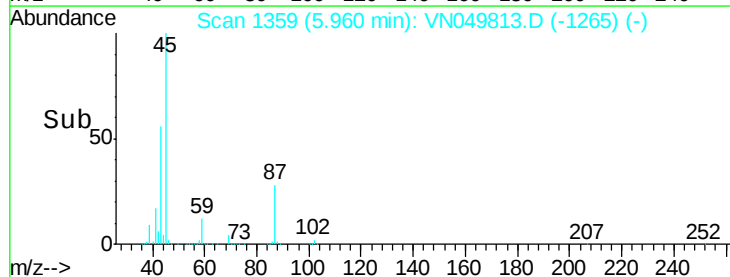
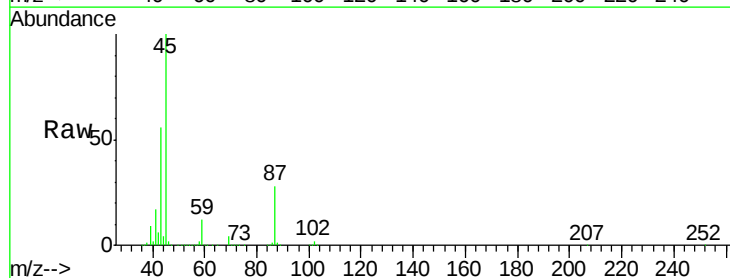
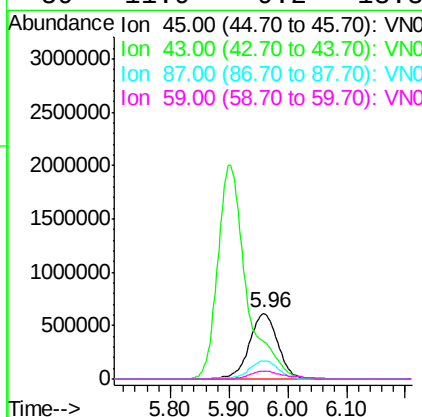
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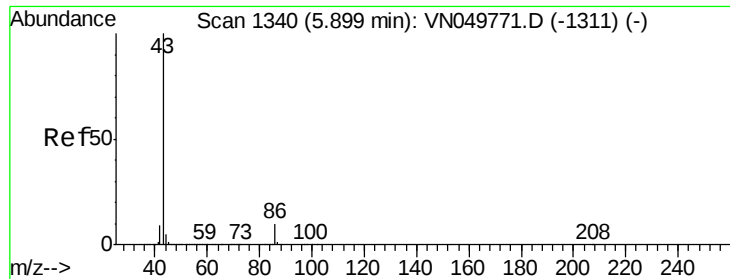
MMDadoda
7/16/2018 11:02:50 AM



#22
Diisopropyl ether
Concen: 50.31 ug/l
RT: 5.96 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.9	48.1	72.1
87	27.9	22.6	34.0
59	11.9	9.2	13.8





#23

Vinyl Acetate

Concen: 246.14 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 6780444

Ion Ratio Lower Upper

43 100

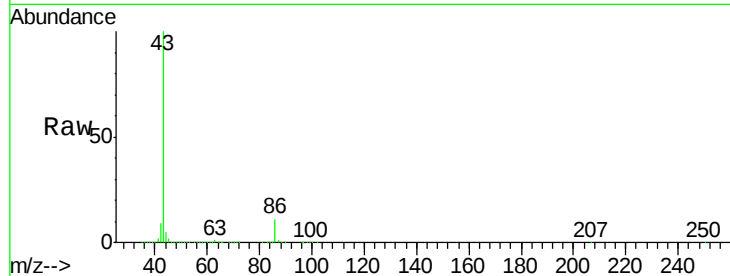
86 10.6 8.4 12.6

Manual Integrations

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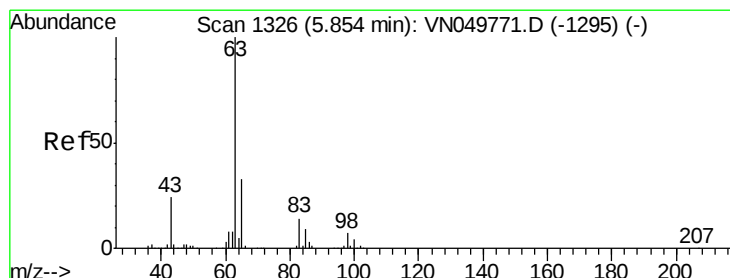
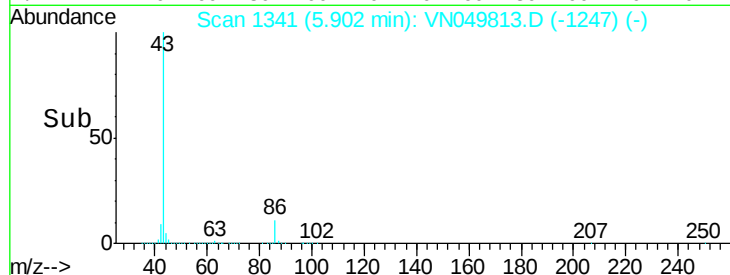
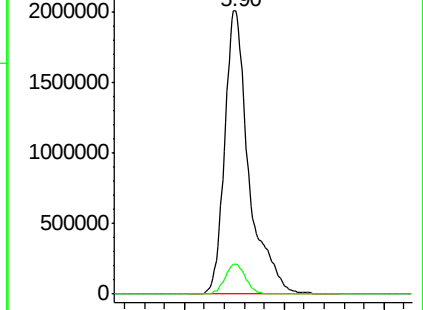
MMDadoda

7/16/2018 11:02:50 AM



Abundance Ion 43.00 (42.70 to 43.70): VN049813.D (-1247) (-)

Ion 86.00 (85.70 to 86.70): VN049813.D (-1247) (-)



#24

1,1-Dichloroethane

Concen: 46.40 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

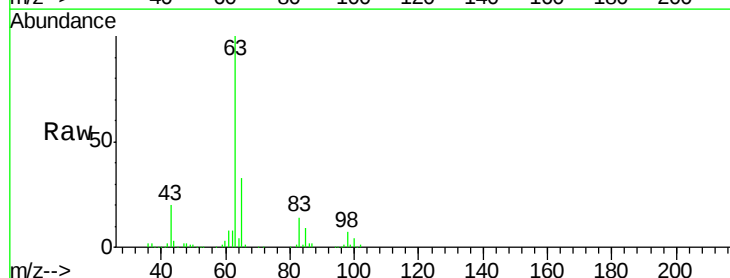
Tgt Ion: 63 Resp: 1198324

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

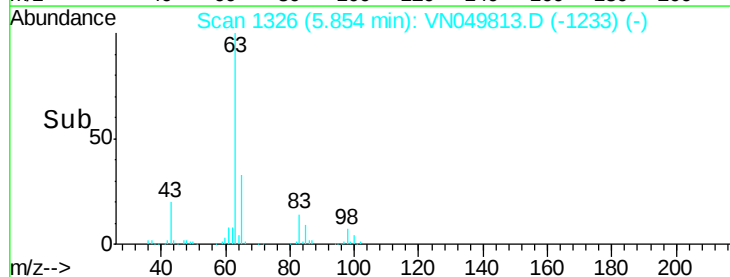
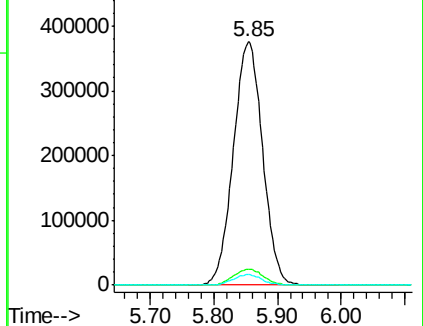
100 4.4 2.2 6.6

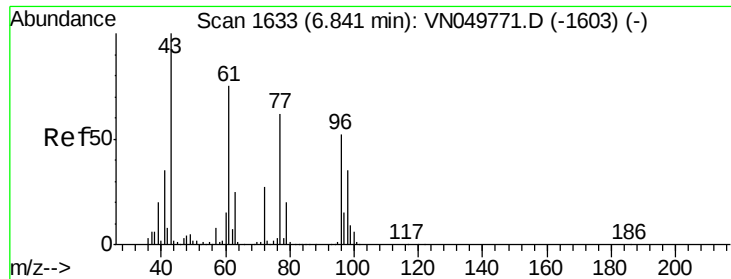


Abundance Ion 62.90 (62.60 to 63.60): VN049813.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN049813.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN049813.D (-1233) (-)





#25

2-Butanone

Concen: 229.46 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1179530

Ion Ratio Lower Upper

43 100

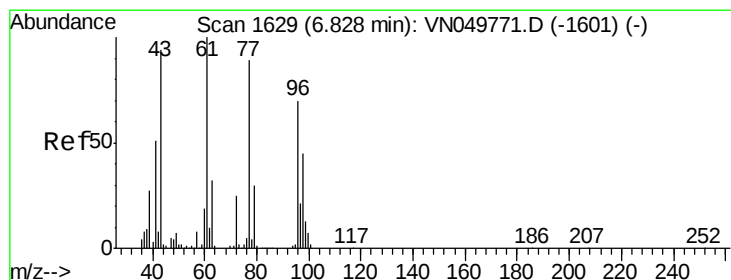
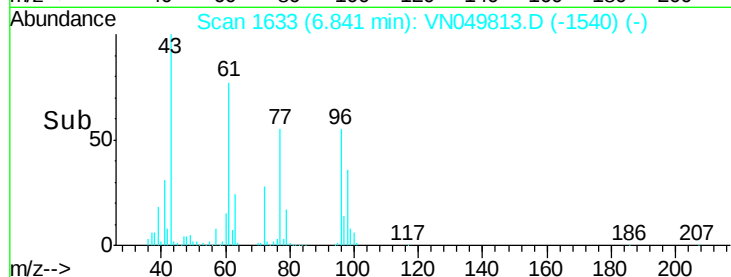
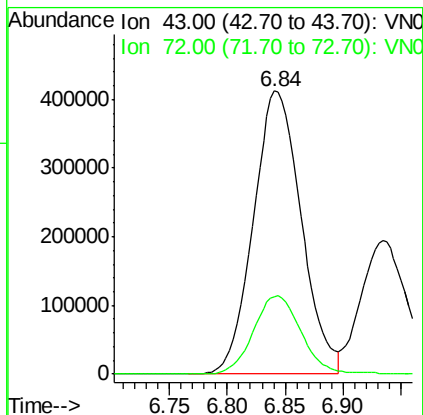
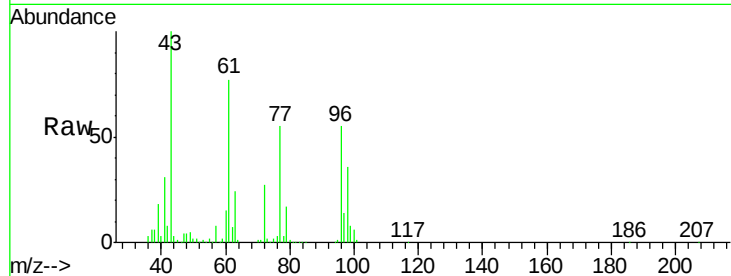
72 27.5 22.1 33.1

Manual Integrations

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7/16/2018 11:02:50 AM



#26

2,2-Dichloropropane

Concen: 39.54 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049813.D

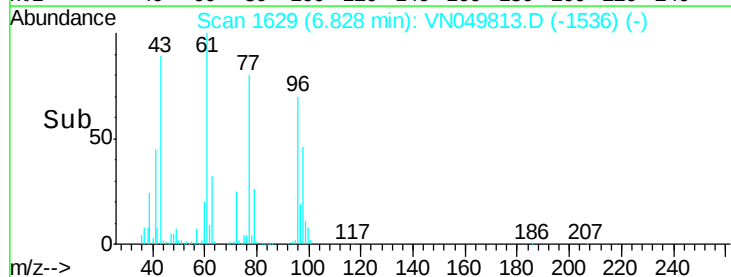
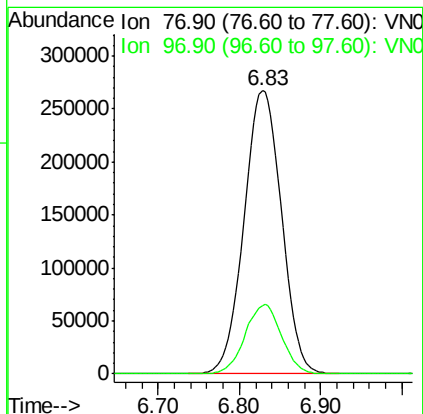
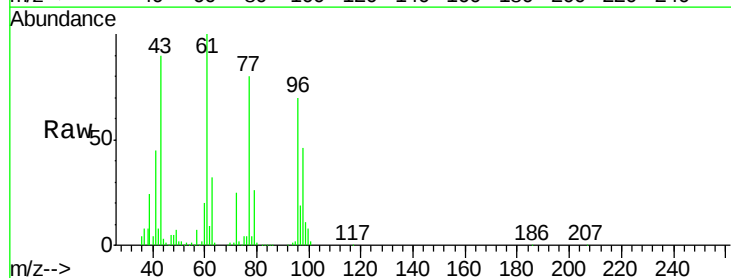
Acq: 13 Jul 2018 22:38

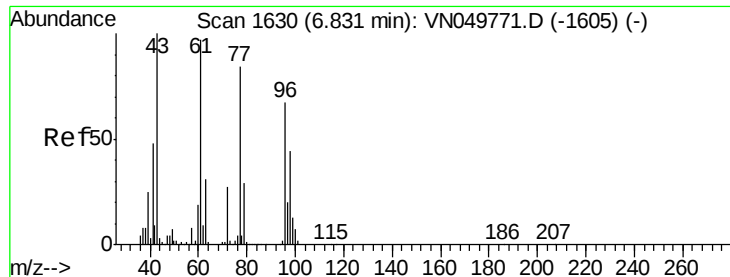
Tgt Ion: 77 Resp: 847477

Ion Ratio Lower Upper

77 100

97 23.8 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 46.44 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

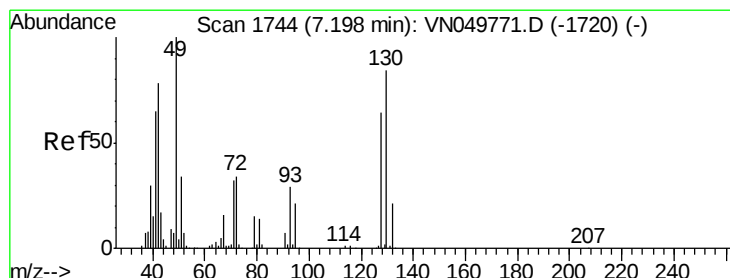
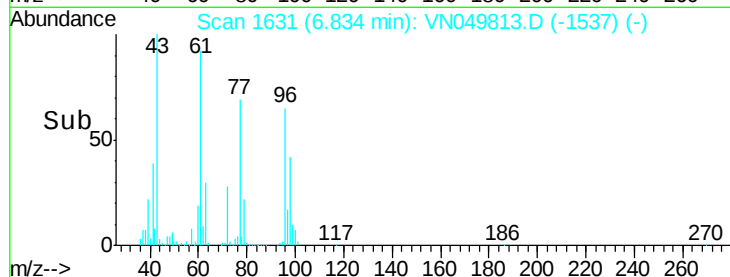
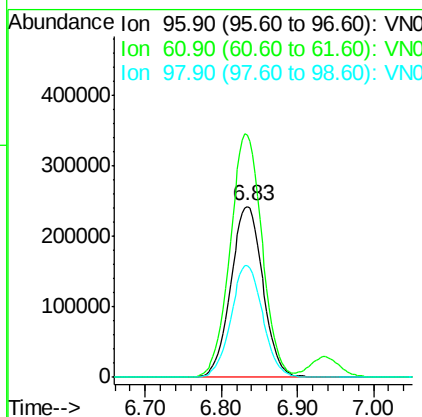
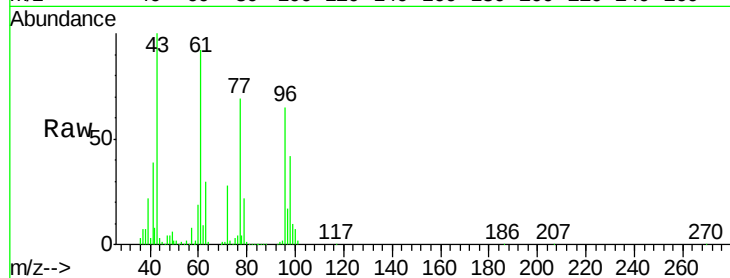
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	711914
Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	289.0
98	64.7	0.0	130.2

Manual Integrations
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#28

Bromochloromethane

Concen: 49.04 ug/l

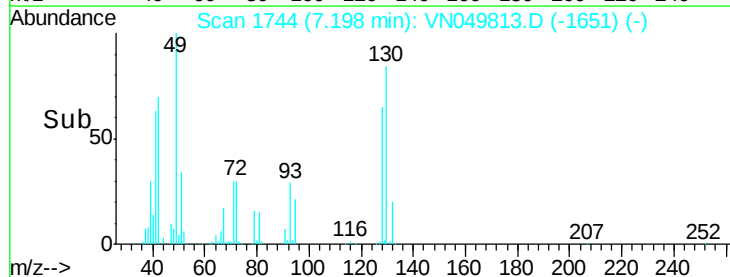
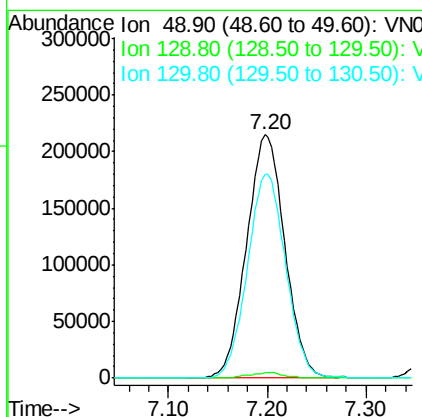
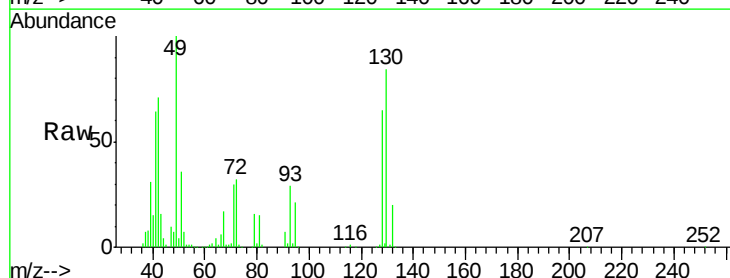
RT: 7.20 min Scan# 1744

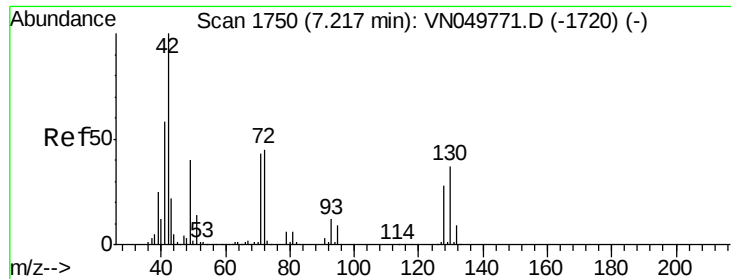
Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Tgt Ion:	49	Resp:	575964
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	84.1	65.5	98.3





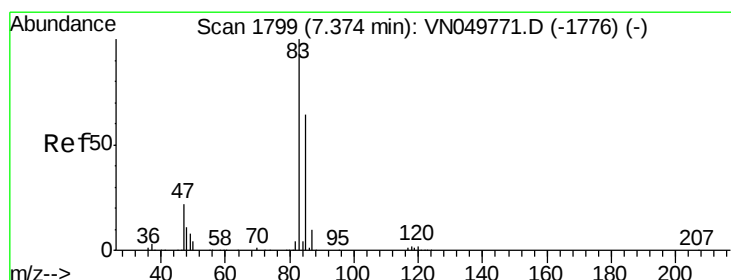
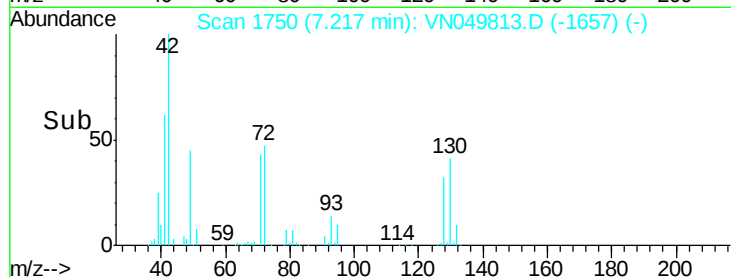
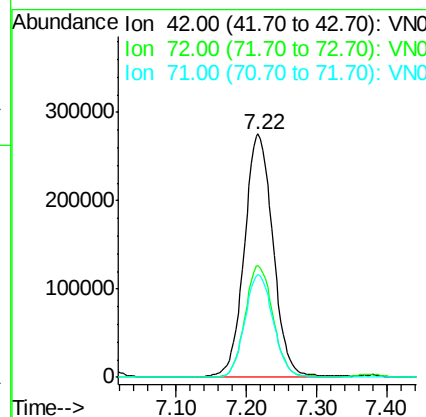
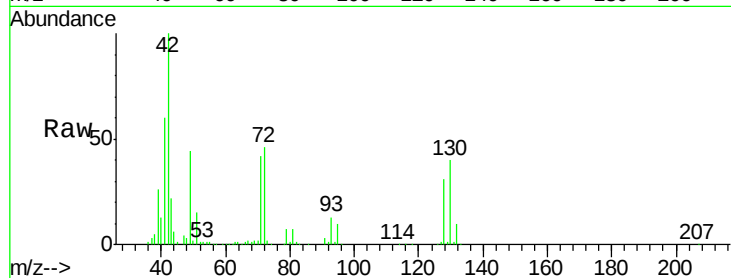
#29
Tetrahydrofuran
Concen: 240.75 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	35.6	53.4
71	41.8	34.0	51.0

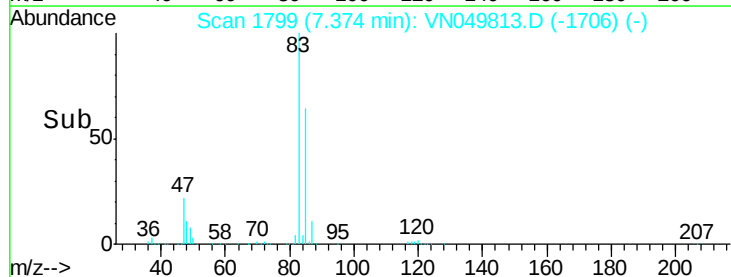
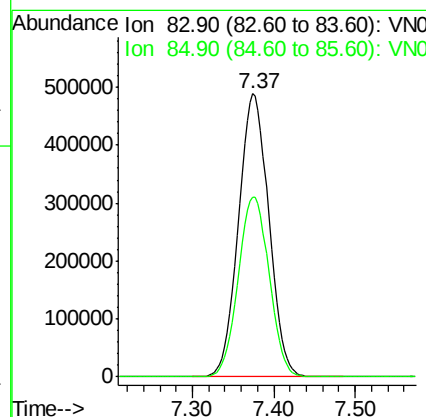
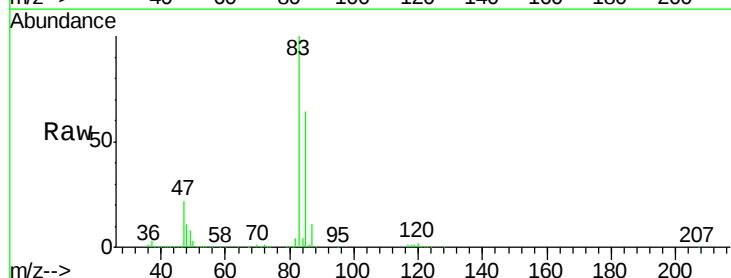
Manual Integrations
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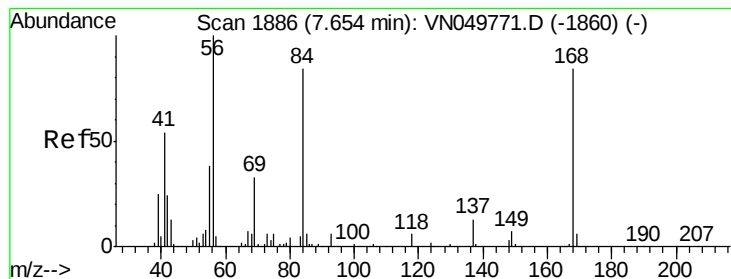
MMDadoda
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#30
Chloroform
Concen: 47.41 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.4	77.2





#31

Cyclohexane

Concen: 46.15 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

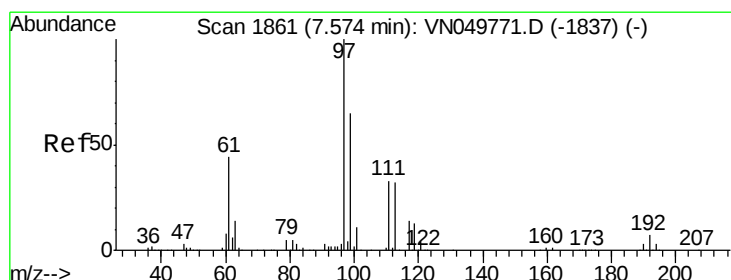
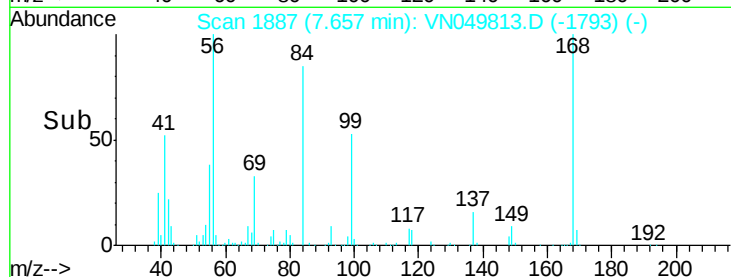
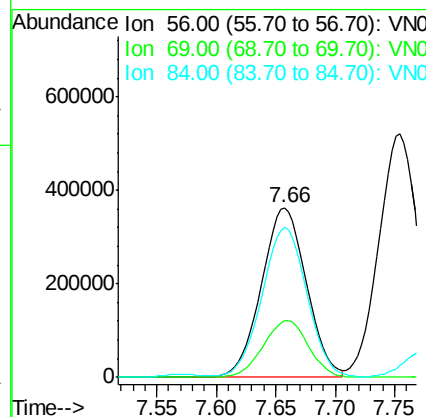
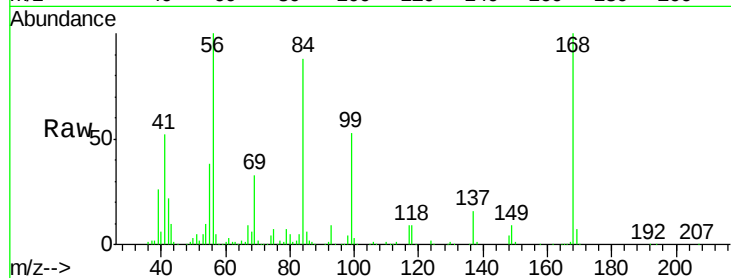
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	948900
Ion Ratio	Lower	Upper	
56	100		
69	33.3	26.6	40.0
84	86.5	69.0	103.6

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#32

1,1,1-Trichloroethane

Concen: 47.18 ug/l

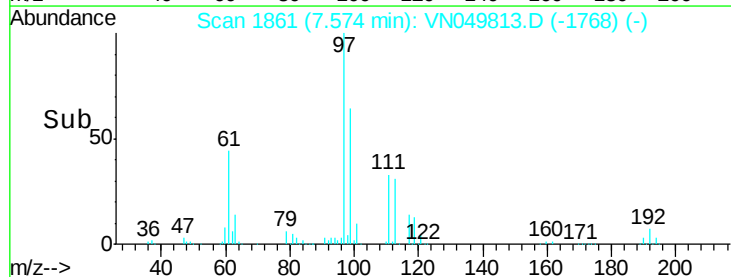
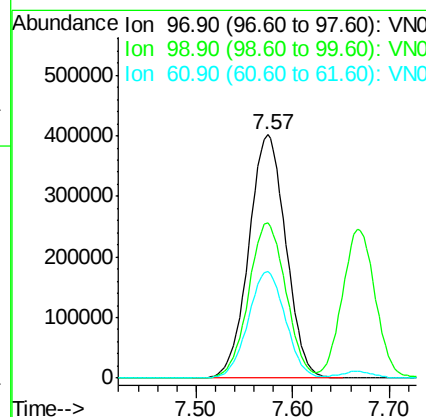
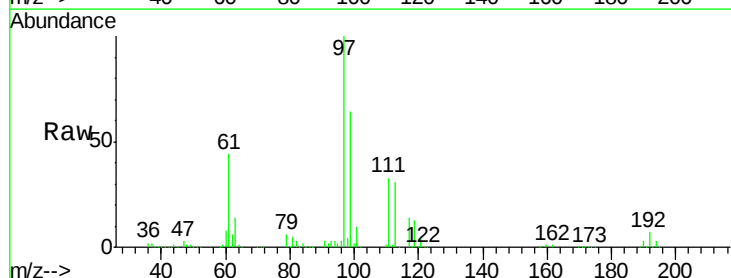
RT: 7.57 min Scan# 1861

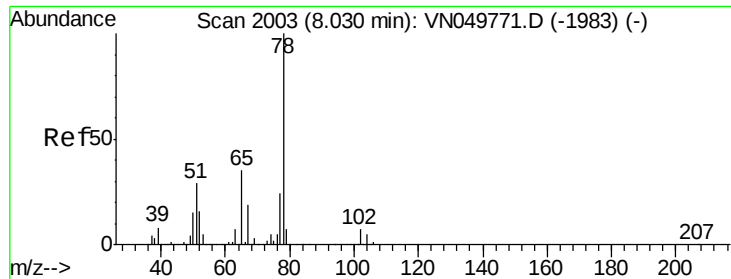
Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Tgt Ion:	97	Resp:	1066226
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.0	76.4
61	44.0	35.5	53.3





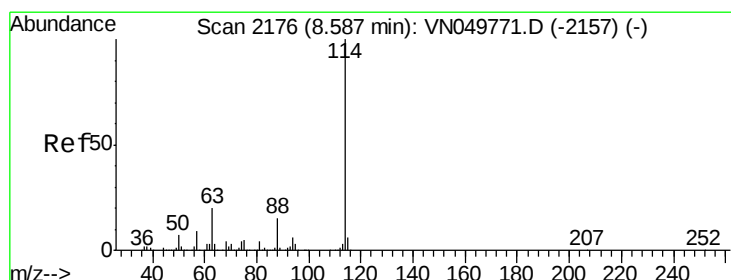
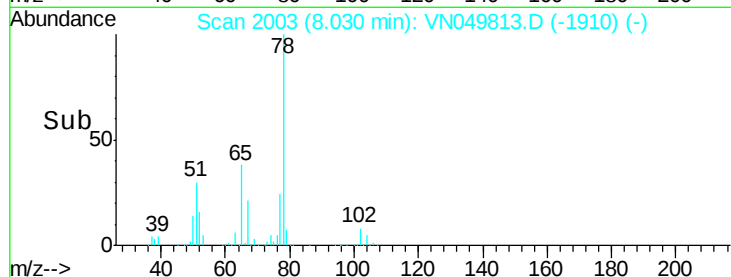
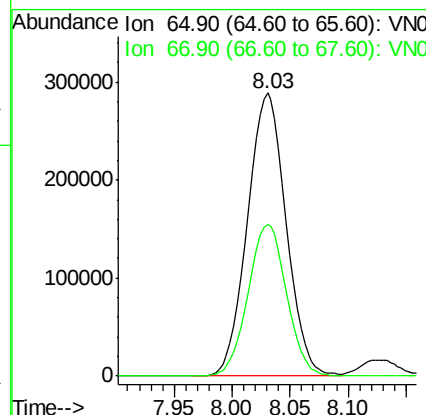
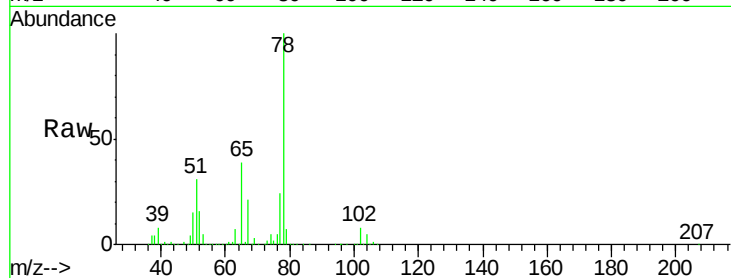
#33
 1,2-Dichloroethane-d4
 Concen: 50.85 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049813.D
 Acq: 13 Jul 2018 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	670755		
67	53.4	0.0	107.2	

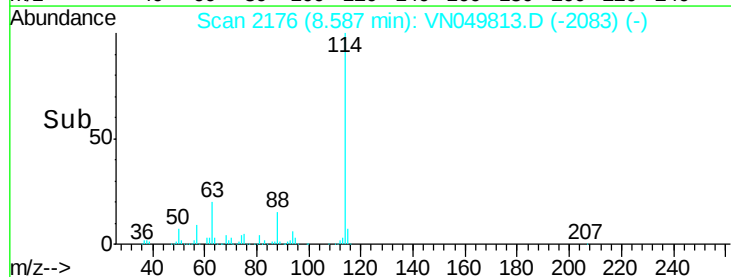
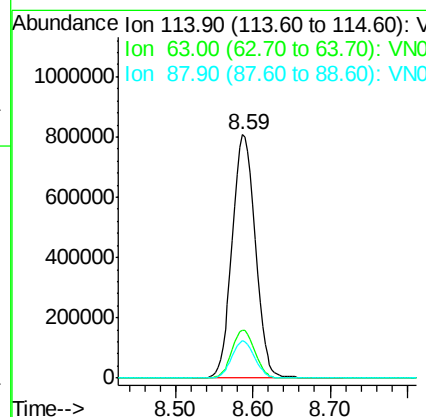
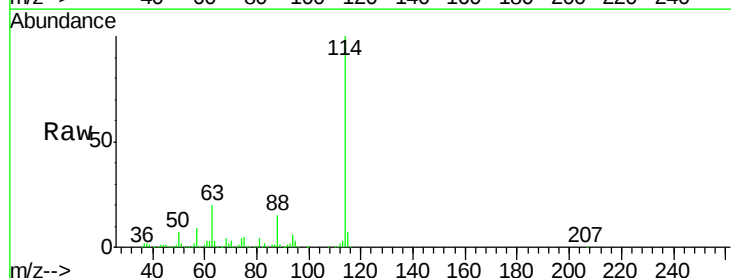
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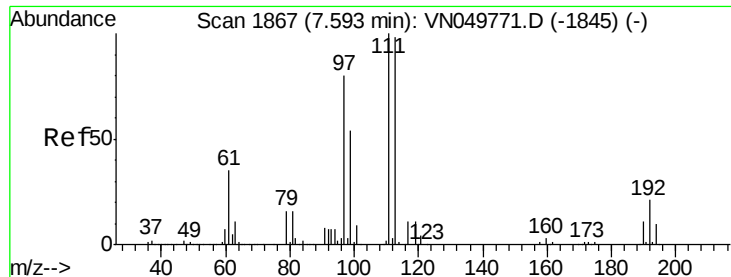
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049813.D
 Acq: 13 Jul 2018 22:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1671772		
63	19.9	0.0	39.8	
88	15.2	0.0	30.6	





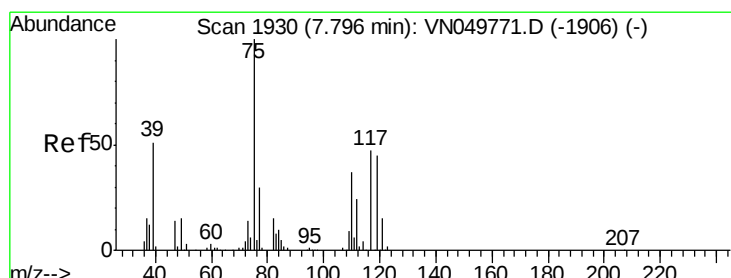
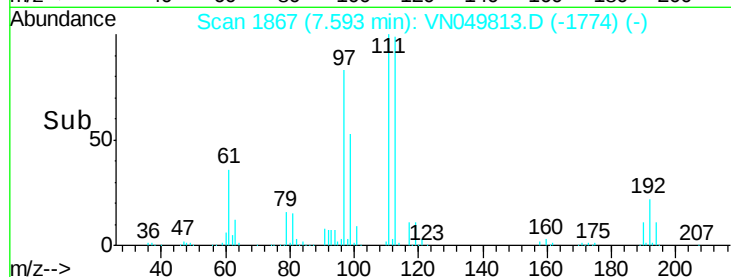
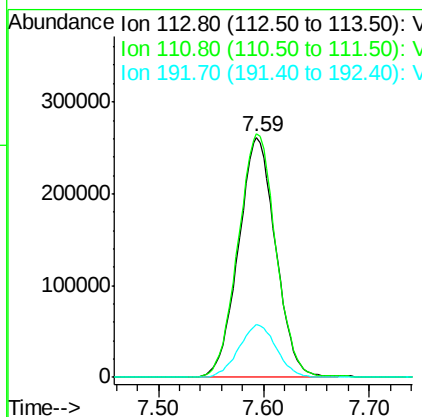
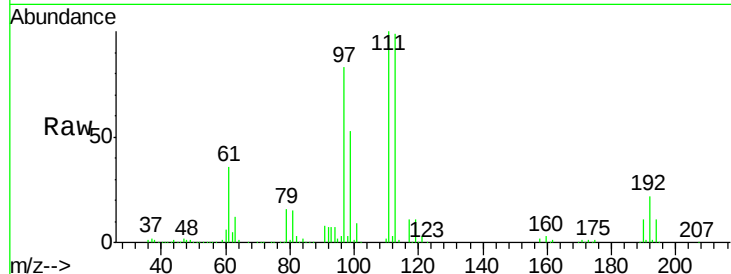
#35
Dibromofluoromethane
Concen: 50.79 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	639986		
111	102.8	81.8	122.8	
192	22.3	17.8	26.6	

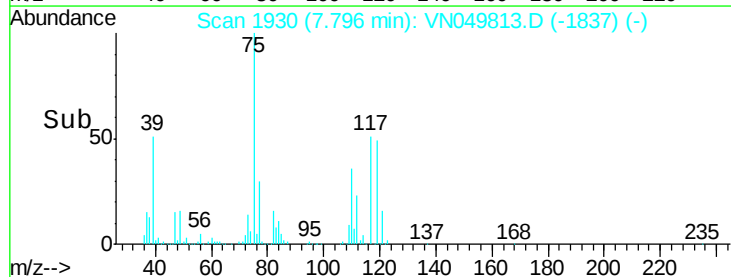
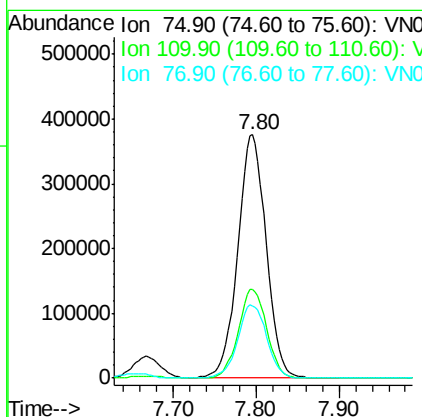
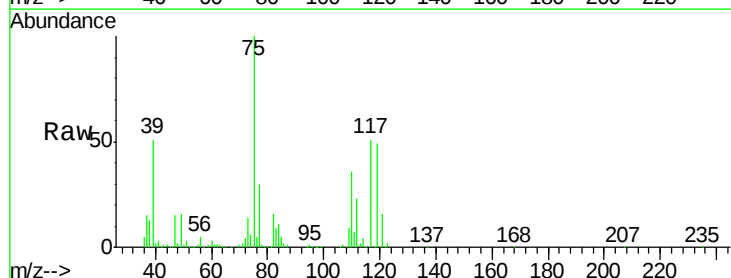
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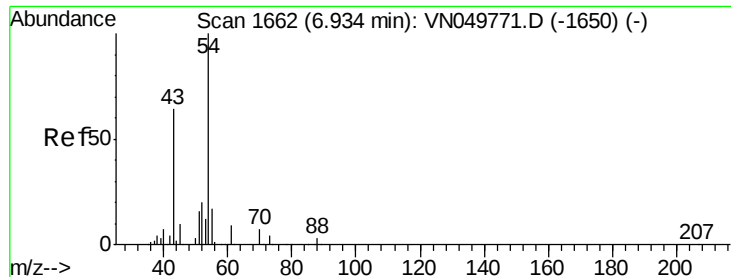
MMDadoda
7/16/2018 11:02:50 AM



#36
1,1-Dichloropropene
Concen: 46.22 ug/l
RT: 7.80 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	890459		
110	36.5	18.1	54.4	
77	30.9	24.9	37.3	





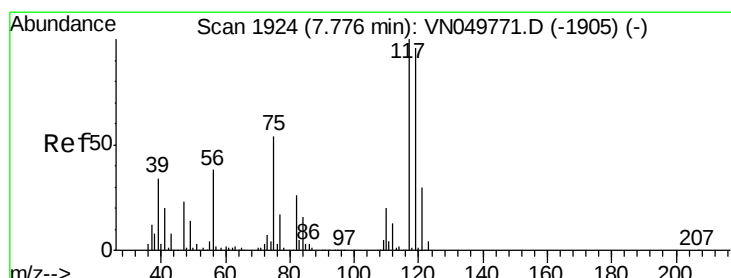
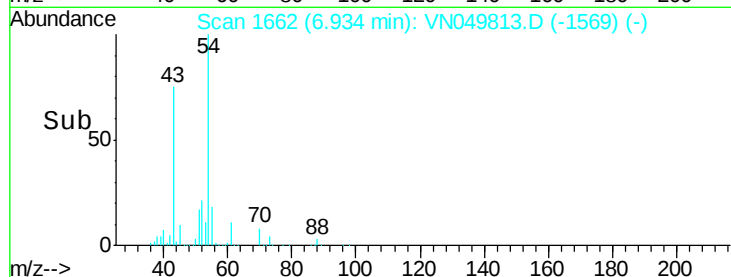
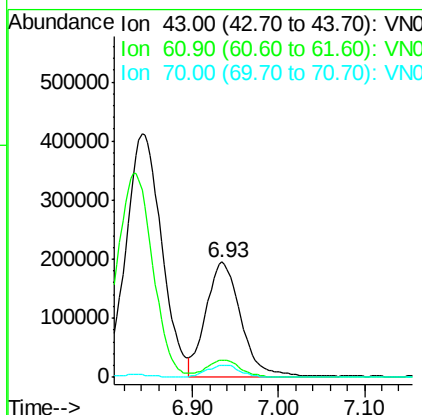
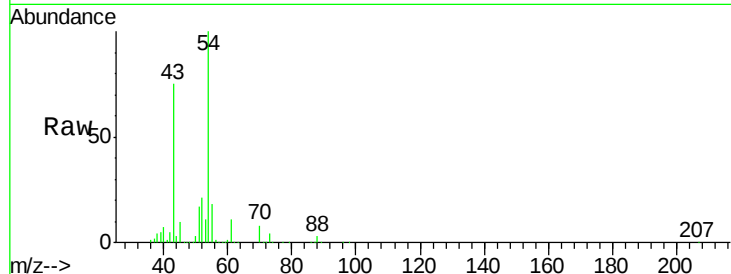
#37
Ethyl Acetate
Concen: 48.11 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.7	17.5
70	10.3	8.4	12.6

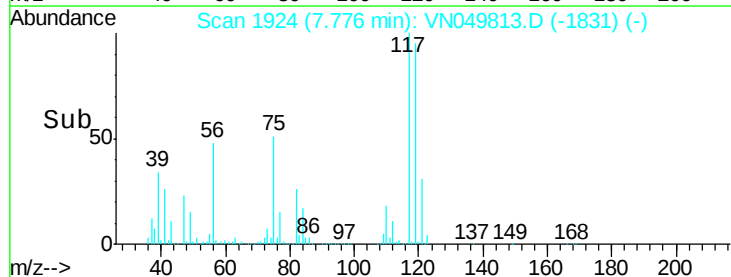
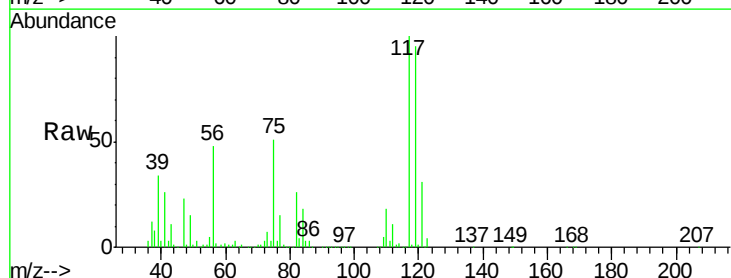
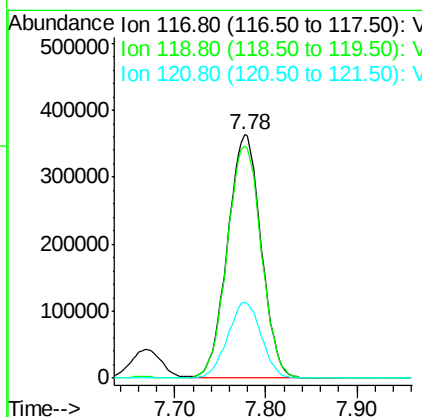
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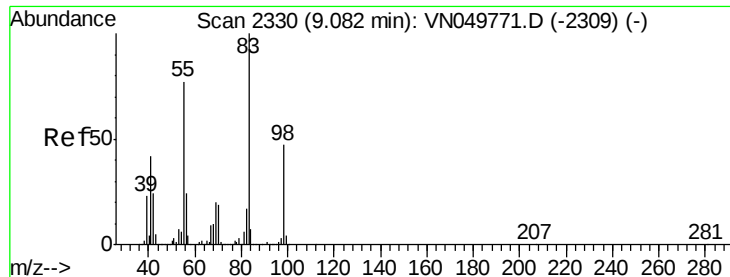
MMDadoda
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#38
Carbon Tetrachloride
Concen: 46.19 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.2	115.8
121	31.3	25.0	37.6





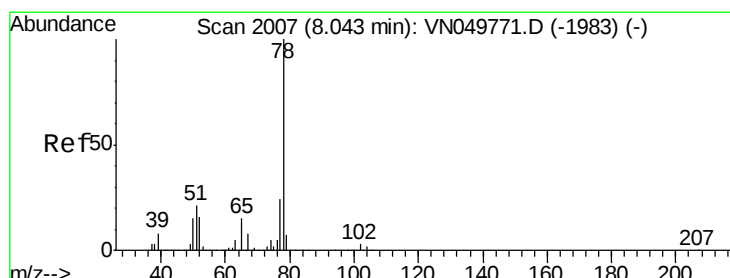
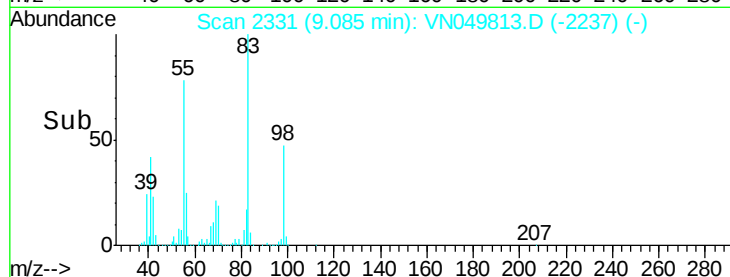
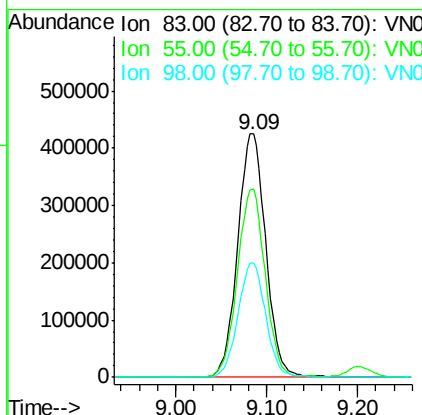
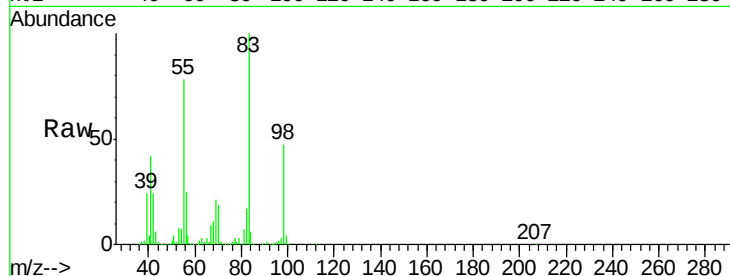
#39
Methylvlcyclohexane
Concen: 44.77 ug/l
RT: 9.09 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.6	59.7	89.5
98	47.2	36.5	54.7

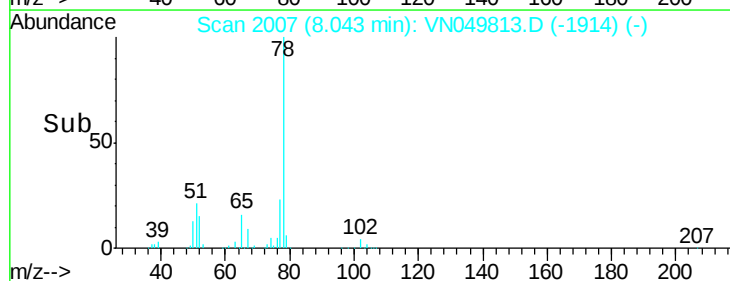
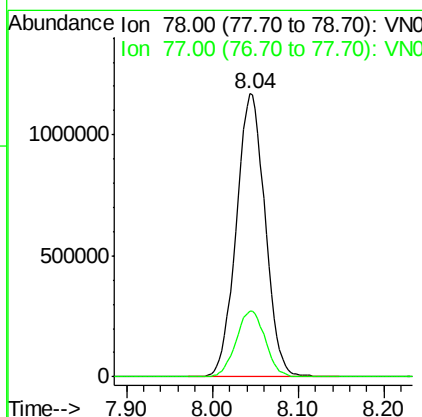
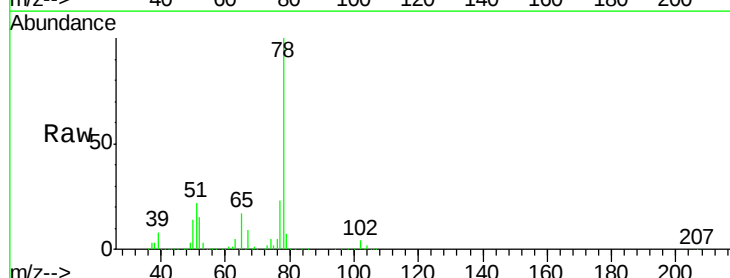
Manual Integrations
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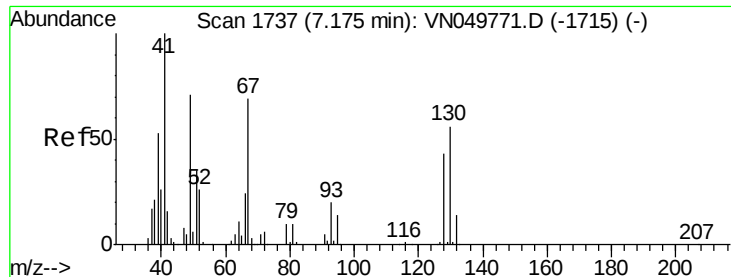
MMDadoda
7/16/2018 11:02:50 AM



#40
Benzene
Concen: 47.24 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.4





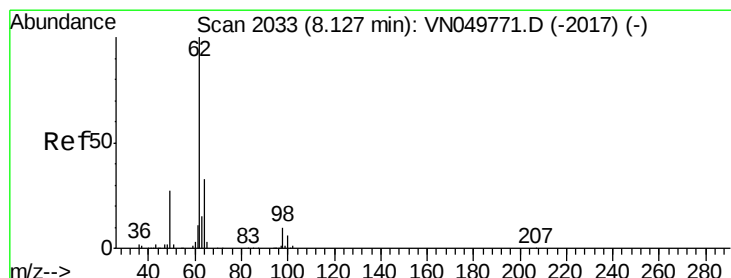
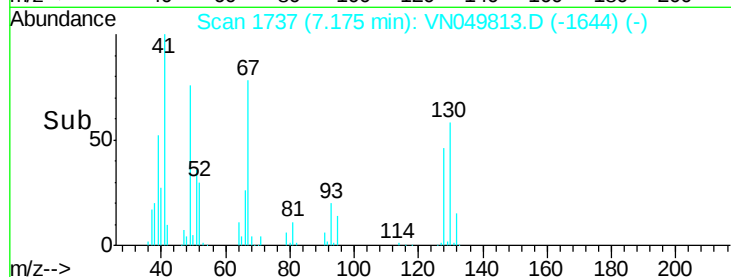
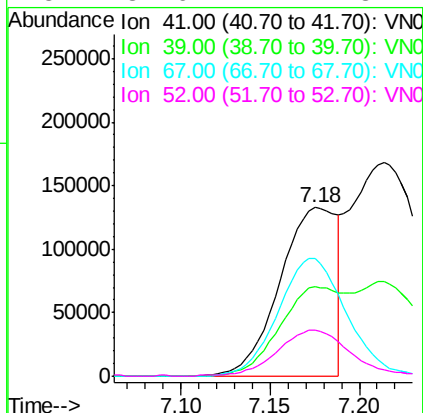
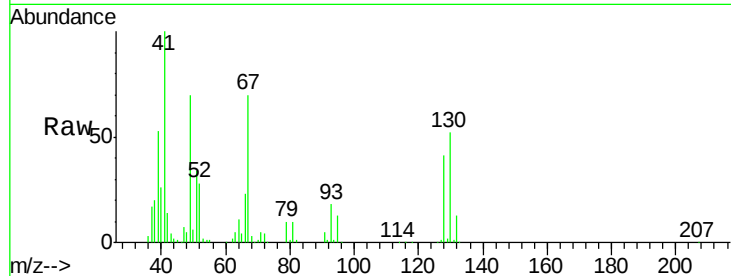
#41
Methacrylonitrile
Concen: 45.46 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	293211
Ion Ratio	Lower	Upper	
41	100		
39	56.9	45.4	68.2
67	85.2	65.4	98.0
52	34.6	24.7	37.1

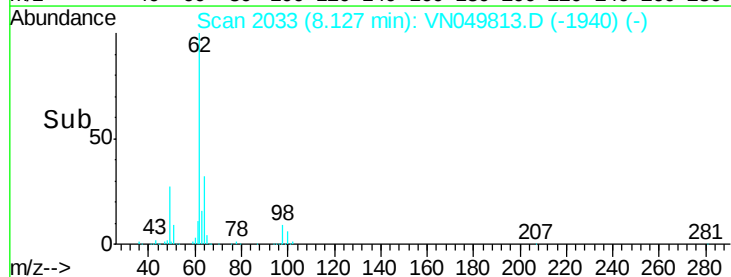
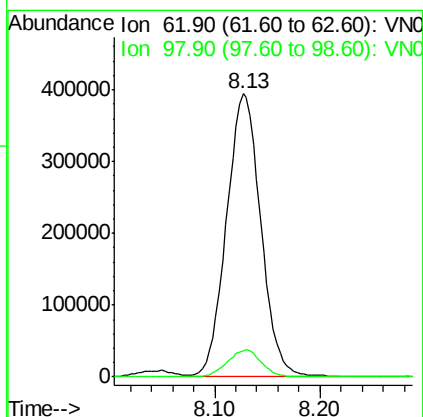
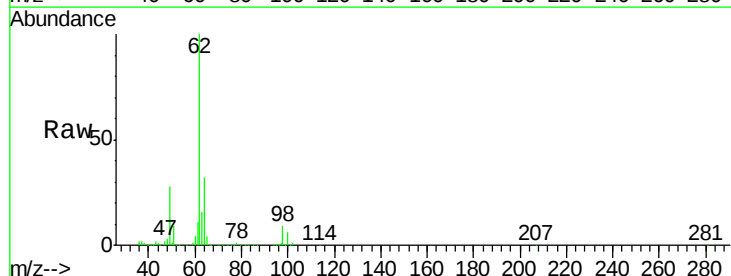
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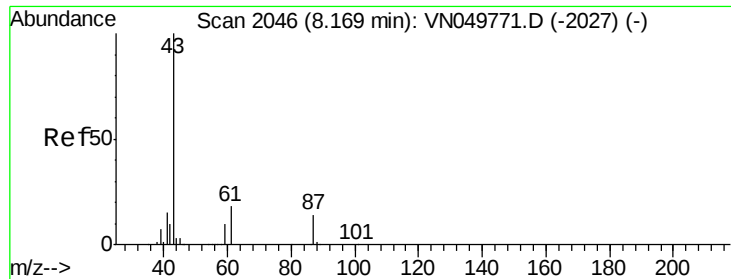
MMDadoda
7/16/2018 11:02:50 AM



#42
1,2-Dichloroethane
Concen: 46.84 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Tgt Ion	62	Resp	882925
Ion Ratio	Lower	Upper	
62	100		
98	9.5	0.0	19.0





#43

Isopropyl Acetate

Concen: 60.69 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1243994

Ion Ratio Lower Upper

43 100

61 16.6 14.9 22.3

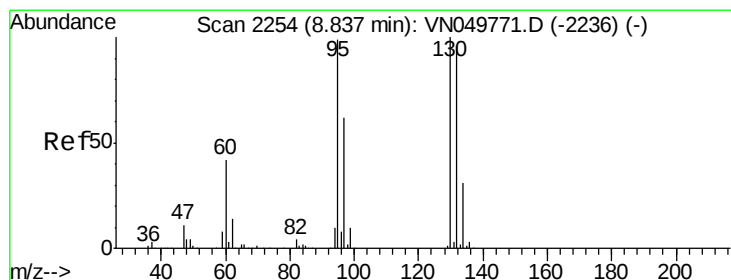
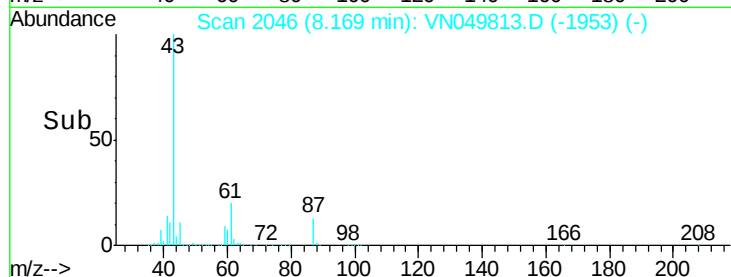
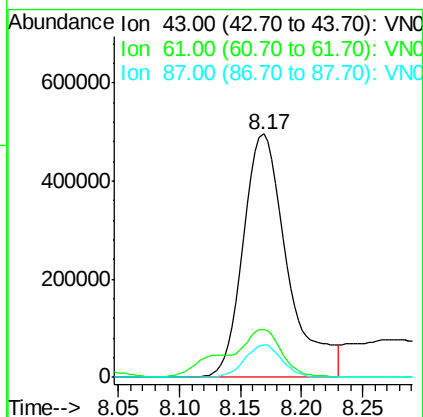
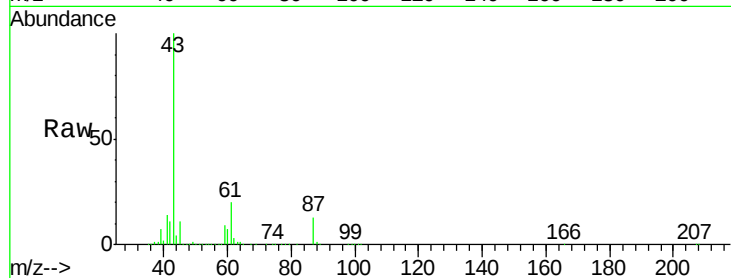
87 11.2 10.0 15.0

Manual Integrations

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7/16/2018 11:02:50 AM



#44

Trichloroethene

Concen: 45.51 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049813.D

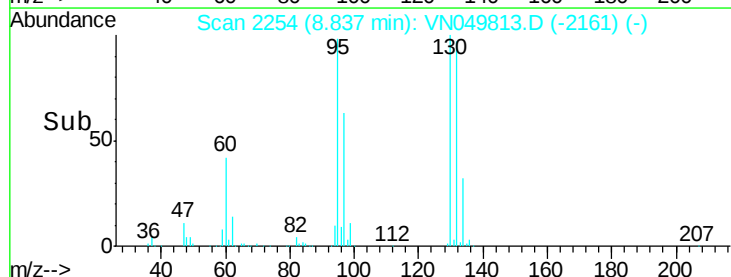
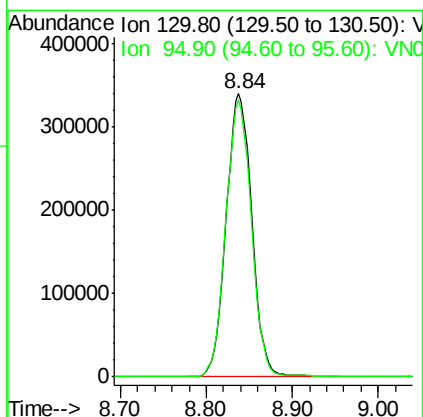
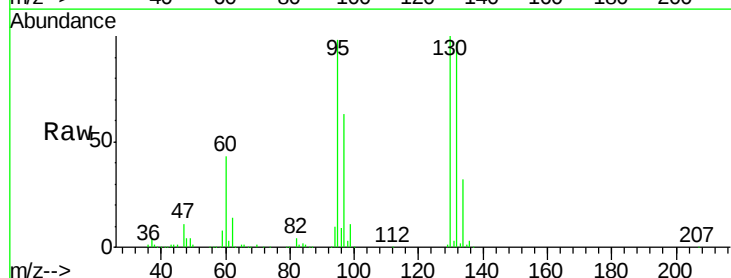
Acq: 13 Jul 2018 22:38

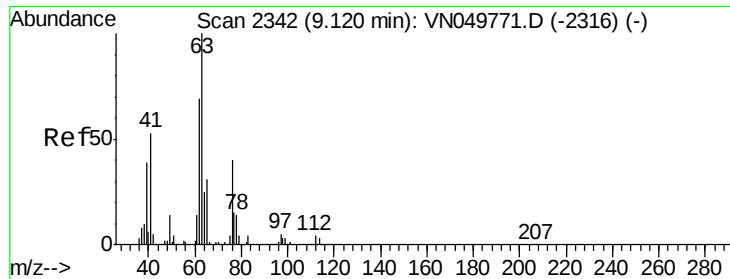
Tgt Ion: 130 Resp: 706171

Ion Ratio Lower Upper

130 100

95 97.9 0.0 192.8





#45

1,2-Dichloropropane

Concen: 48.15 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 745700

Ion Ratio Lower Upper

63 100

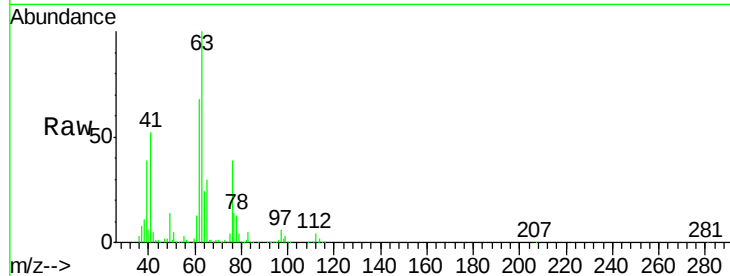
65 30.1 24.7 37.1

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

400000

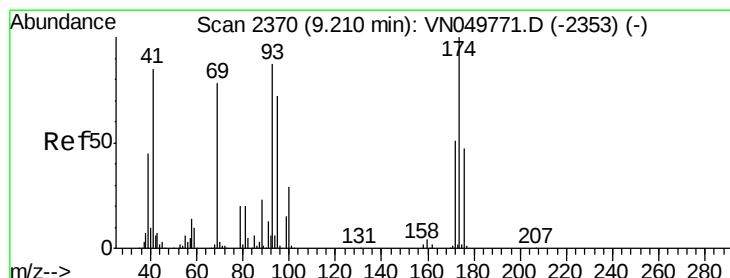
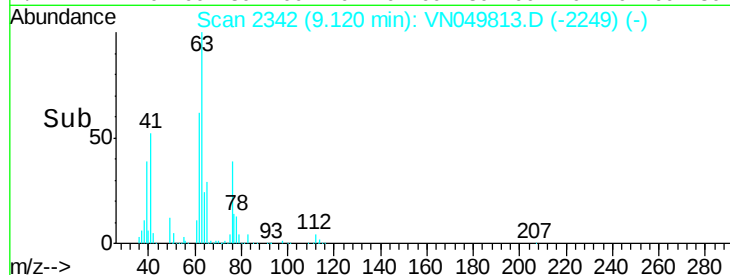
300000

200000

100000

0

Time-->



#46

Dibromomethane

Concen: 47.43 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

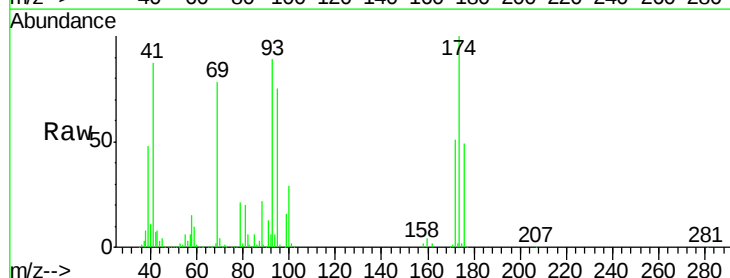
Tgt Ion: 93 Resp: 436321

Ion Ratio Lower Upper

93 100

95 81.9 67.9 101.9

174 112.1 89.4 134.0



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

9.21

300000

250000

200000

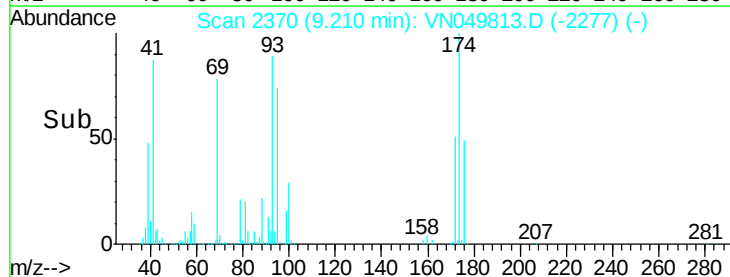
150000

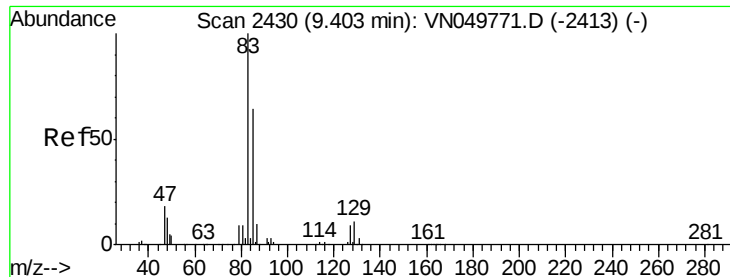
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 48.30 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

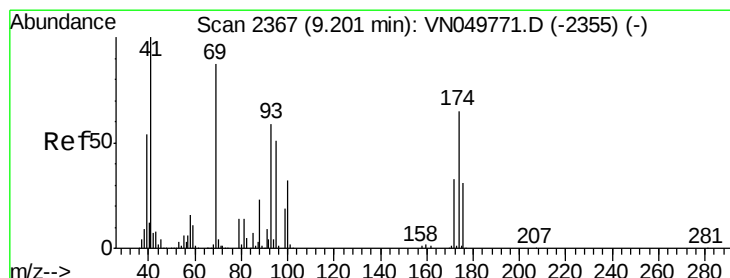
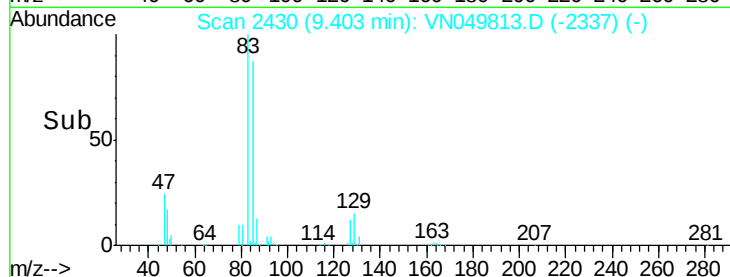
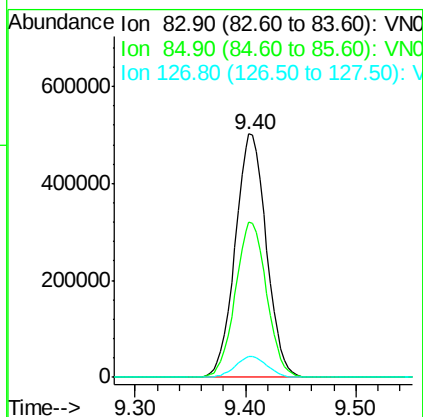
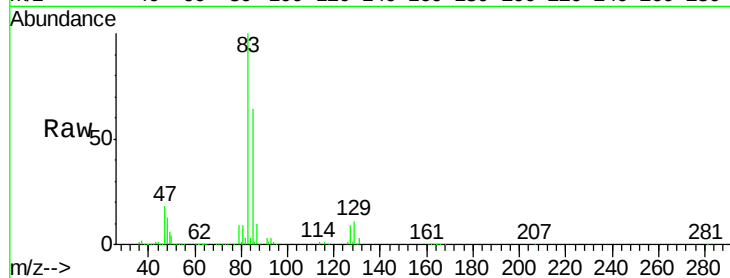
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	978336
Ion Ratio	Lower	Upper	
83	100		
85	63.6	50.5	75.7
127	8.7	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 47.62 ug/l

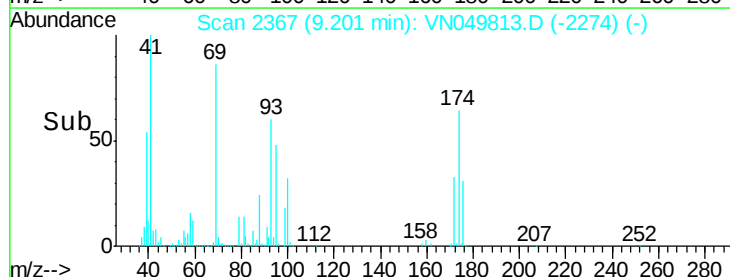
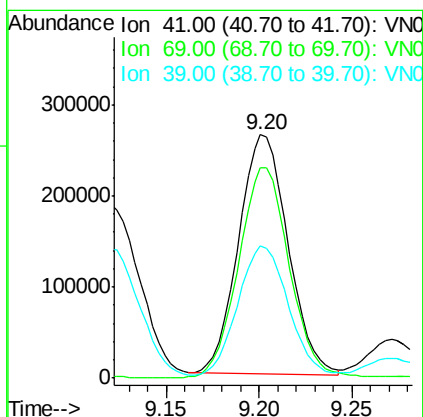
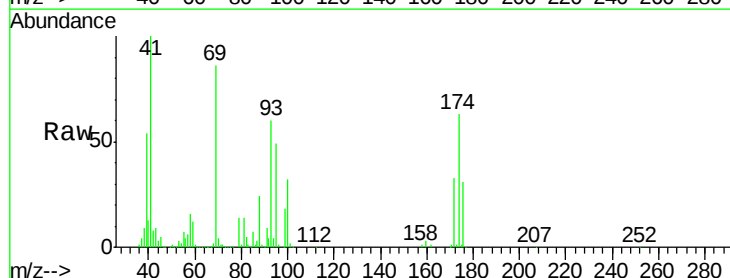
RT: 9.20 min Scan# 2367

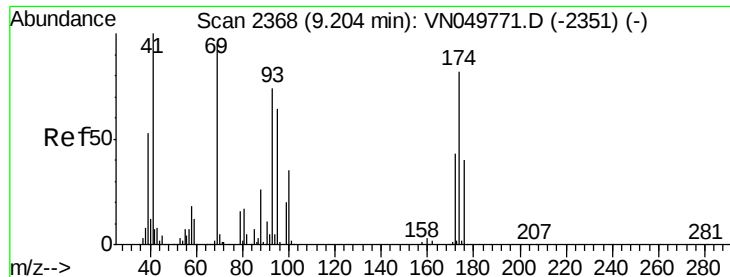
Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Tgt Ion:	41	Resp:	487969
Ion Ratio	Lower	Upper	
41	100		
69	91.0	71.5	107.3
39	57.0	44.7	67.1





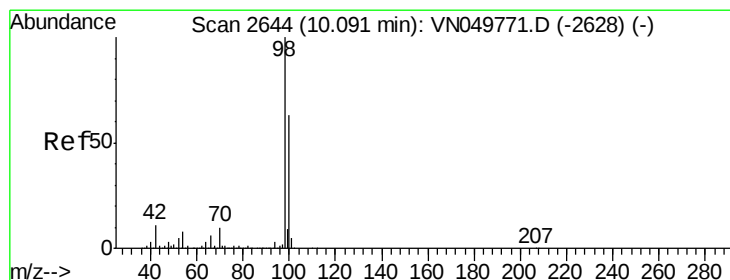
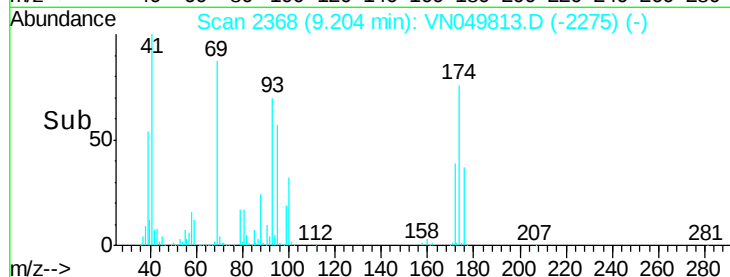
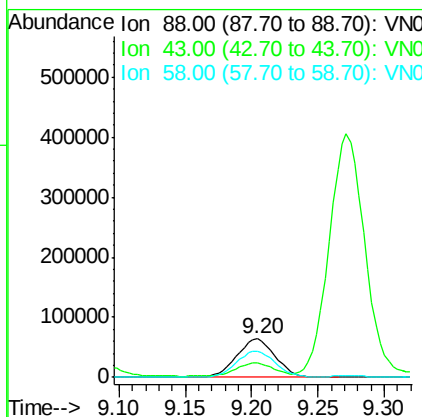
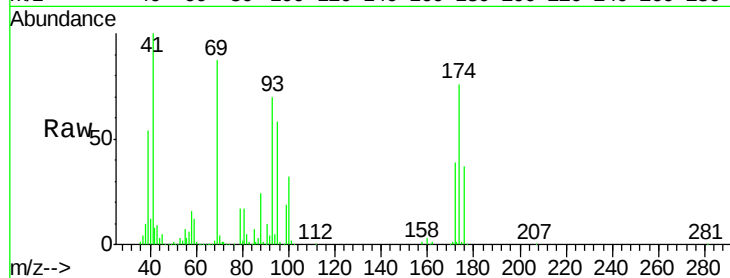
#49
1,4-Dioxane
Concen: 971.11 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.7	25.1	37.7
58	68.5	52.5	78.7

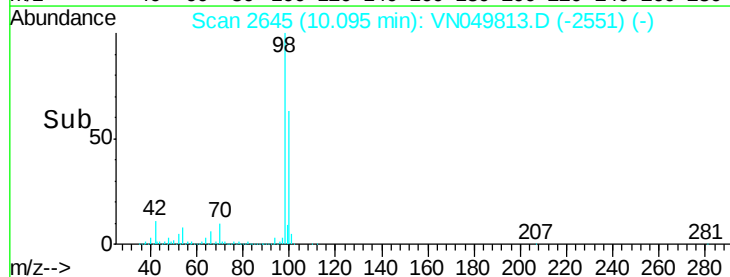
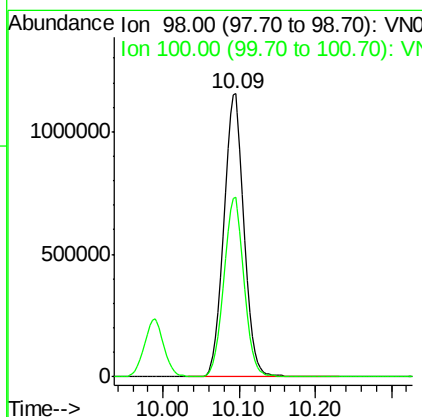
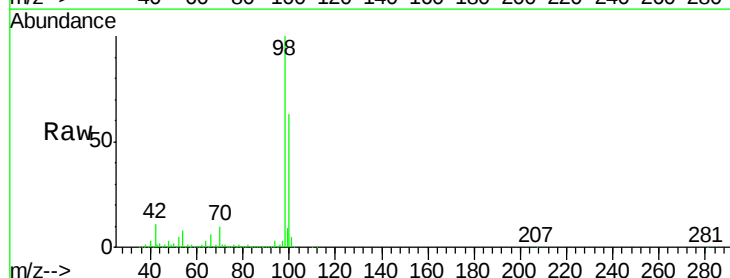
Manual Integrations
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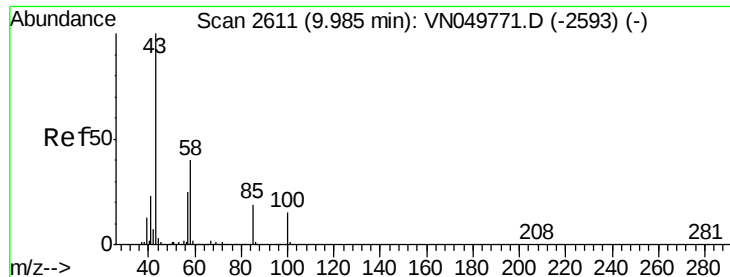
MMDadoda
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#50
Toluene-d8
Concen: 49.55 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.7	77.5





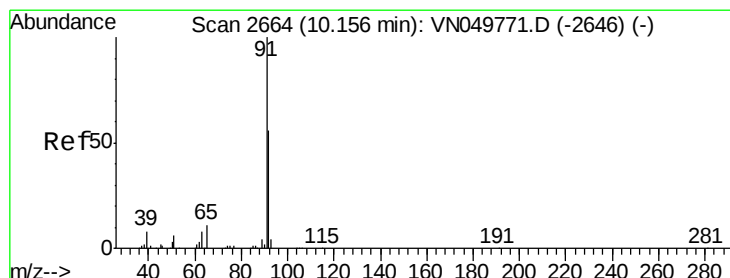
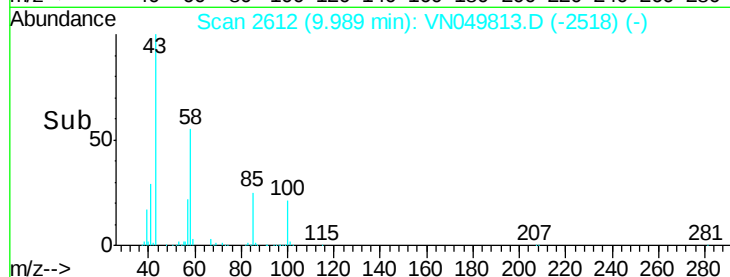
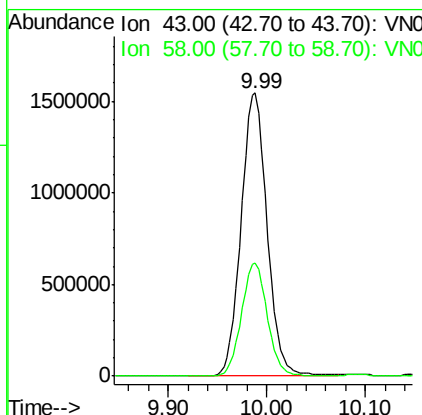
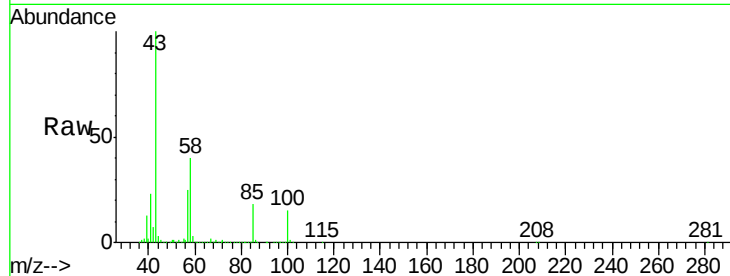
#51
4-Methyl-2-Pentanone
Concen: 251.68 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2800905
Ion Ratio Lower Upper
43 100
58 39.7 31.8 47.8

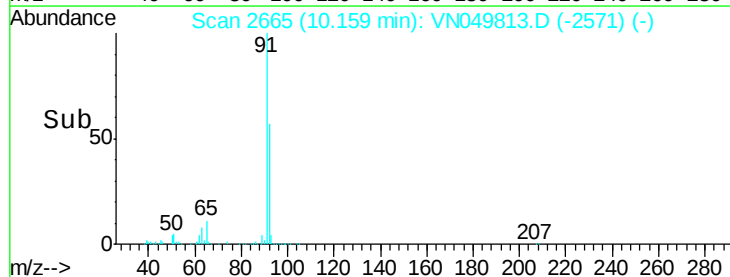
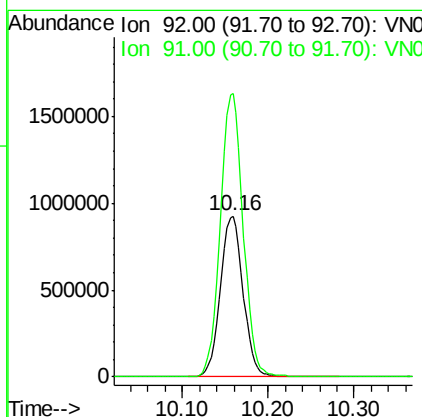
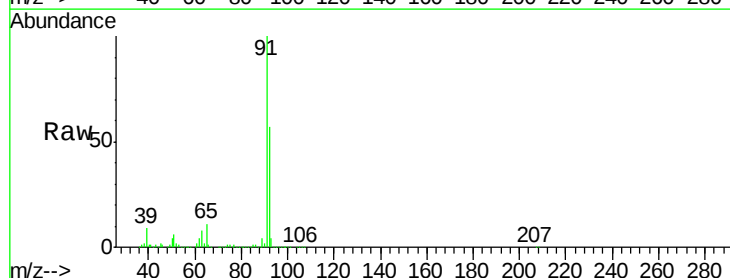
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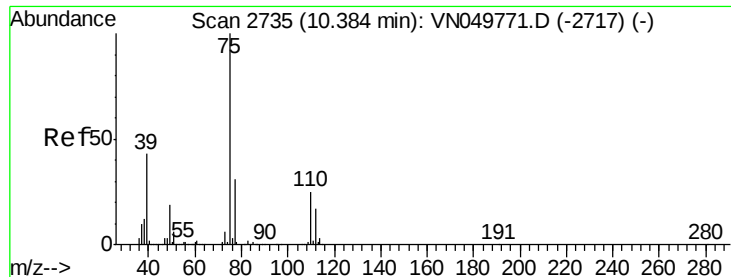
MMDadoda
7/16/2018 11:02:50 AM



#52
Toluene
Concen: 49.25 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Tgt Ion: 92 Resp: 1698808
Ion Ratio Lower Upper
92 100
91 177.2 140.1 210.1





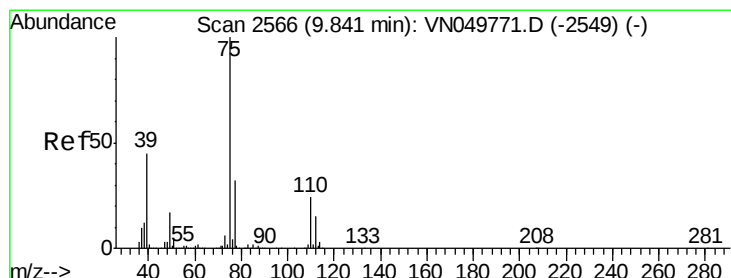
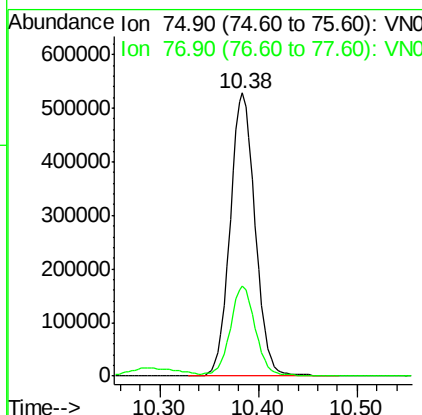
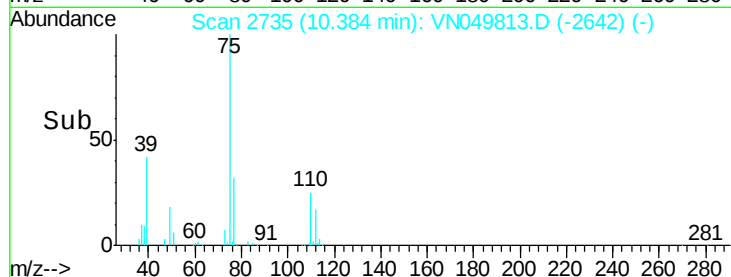
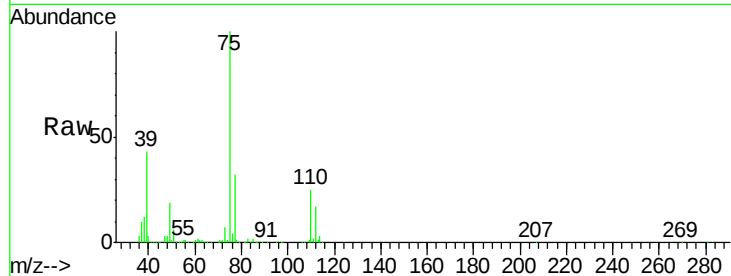
#53
t-1,3-Dichloropropene
Concen: 47.99 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.2	37.8

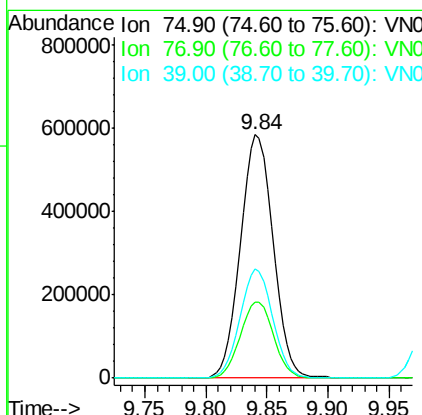
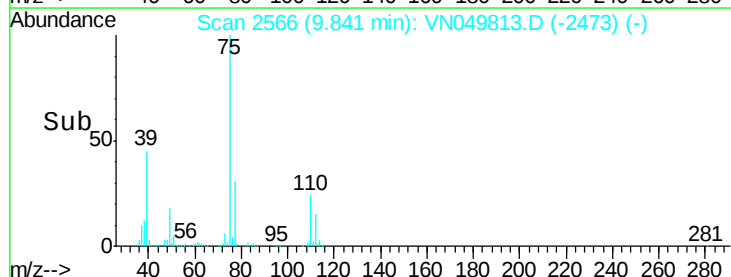
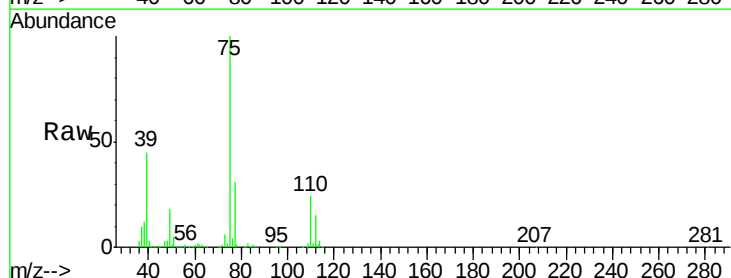
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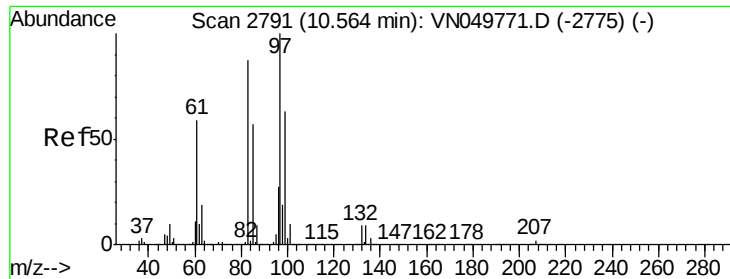
MMDadoda
7/16/2018 11:02:50 AM



#54
cis-1,3-Dichloropropene
Concen: 48.63 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.3	37.9
39	44.6	35.5	53.3





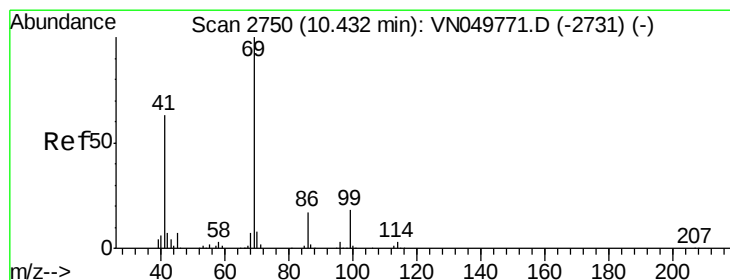
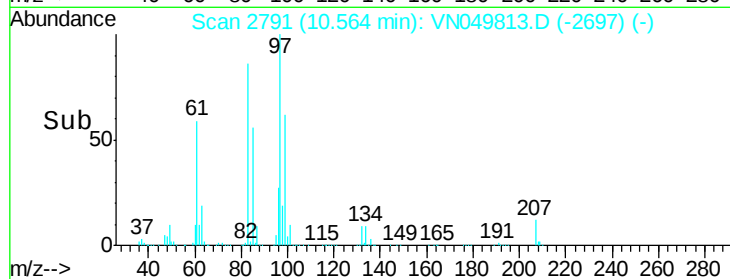
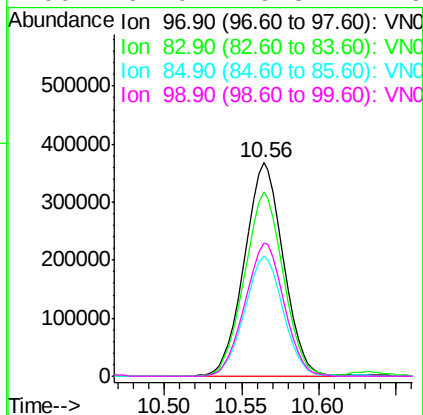
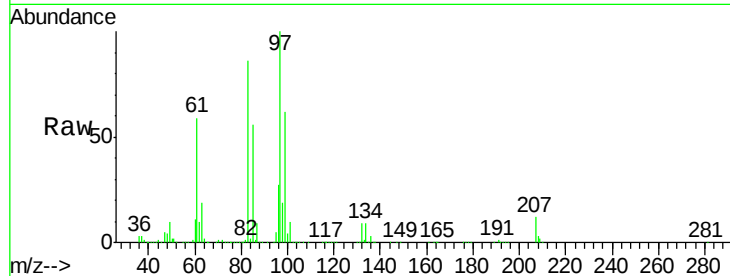
#55
 1,1,2-Trichloroethane
 Concen: 49.47 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049813.D
 Acq: 13 Jul 2018 22:38

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:	97	Resp:	645652
Ion	Ratio	Lower	Upper
97	100		
83	86.4	69.0	103.6
85	56.2	44.9	67.3
99	62.0	49.8	74.6

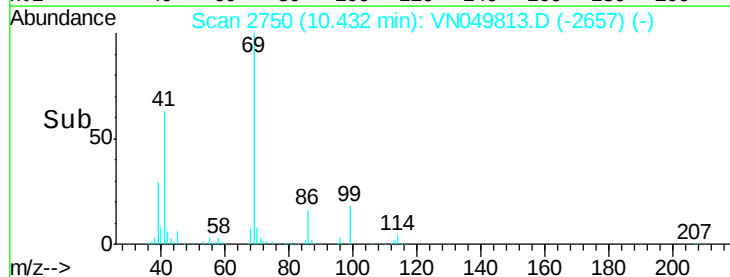
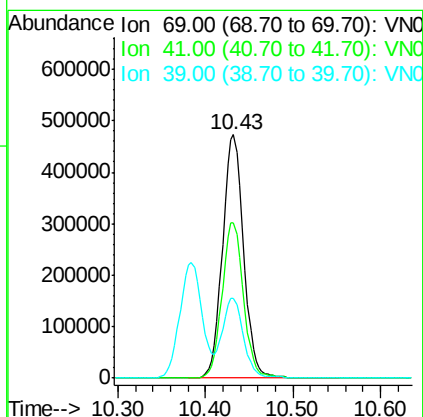
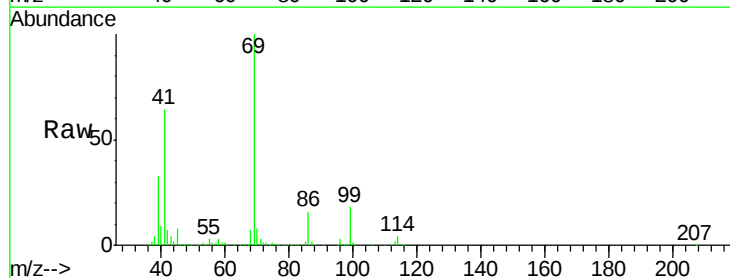
Manual Integrations
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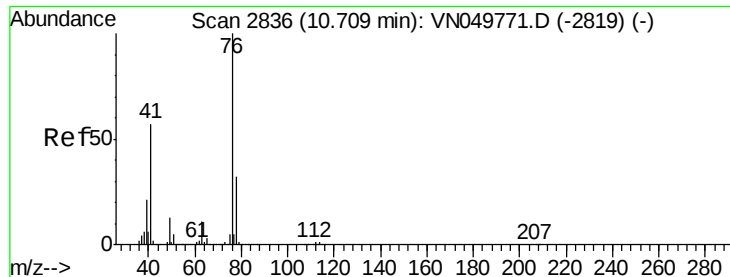
MMDadoda
 7/16/2018 11:02:50 AM



#56
 Ethyl methacrylate
 Concen: 50.79 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049813.D
 Acq: 13 Jul 2018 22:38

Tgt Ion:	69	Resp:	790682
Ion	Ratio	Lower	Upper
69	100		
41	63.9	51.6	77.4
39	32.9	25.8	38.8





#57

1,3-Dichloropropane

Concen: 48.58 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 1067599

Ion Ratio Lower Upper

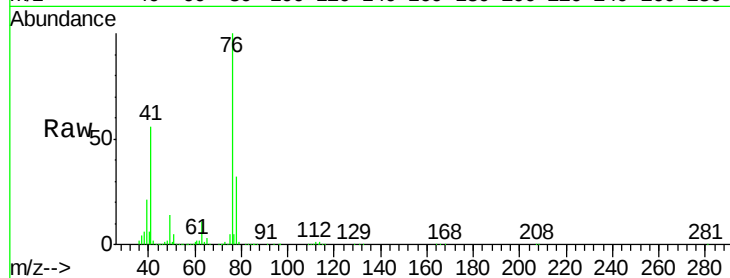
76 100

78 31.9 25.8 38.8

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

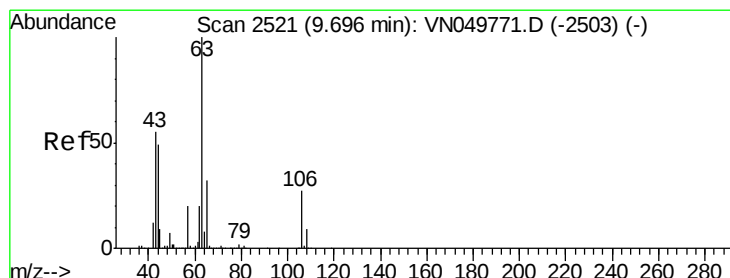
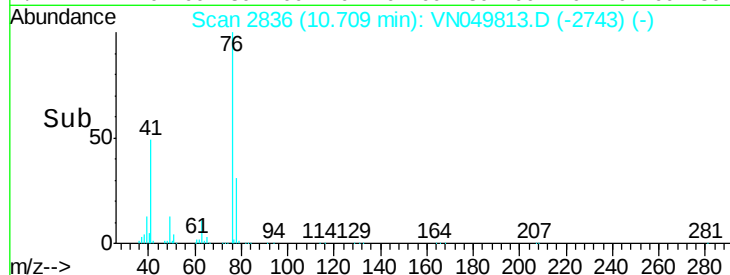
600000

400000

200000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 257.53 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049813.D

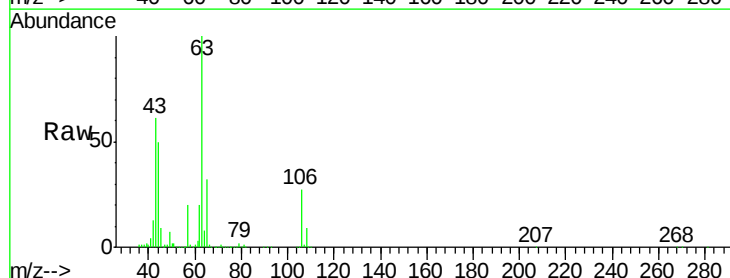
Acq: 13 Jul 2018 22:38

Tgt Ion: 63 Resp: 1922929

Ion Ratio Lower Upper

63 100

106 27.3 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

1200000

1000000

800000

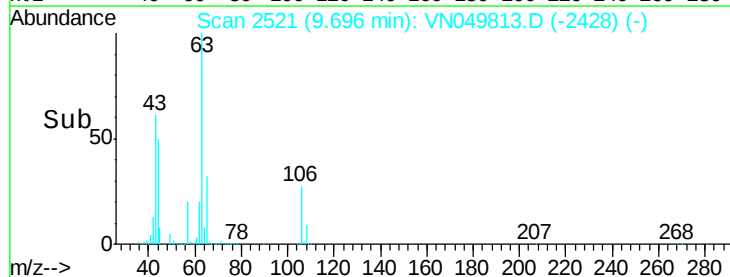
600000

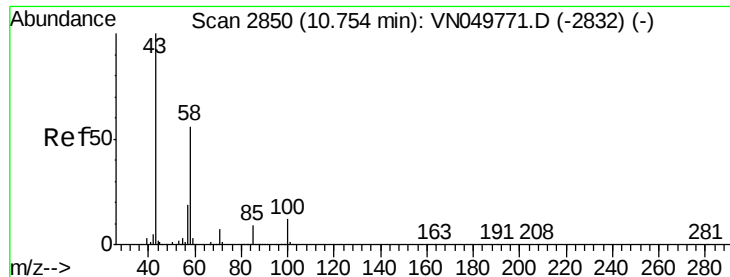
400000

200000

0

Time--> 9.60 9.65 9.70 9.75 9.80





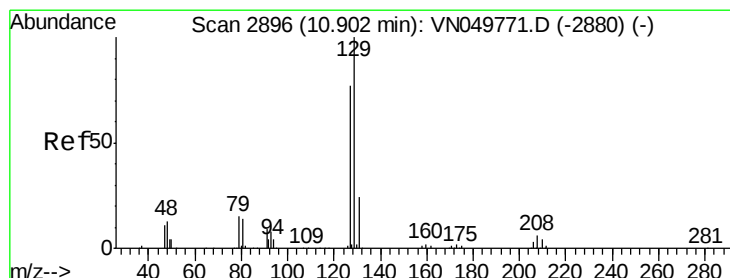
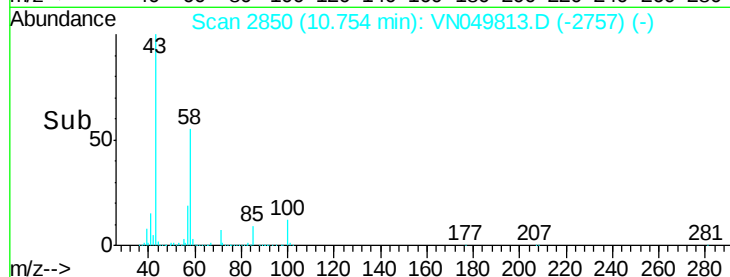
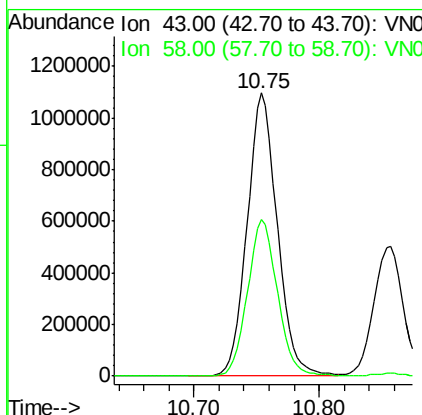
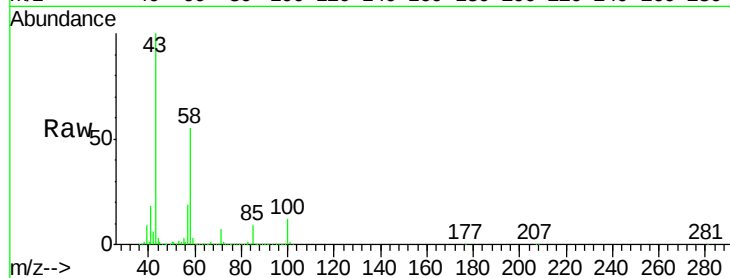
#59
2-Hexanone
Concen: 247.54 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1831380
Ion Ratio Lower Upper
43 100
58 55.2 27.8 83.4

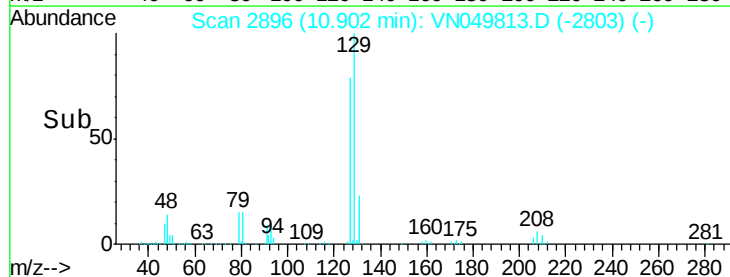
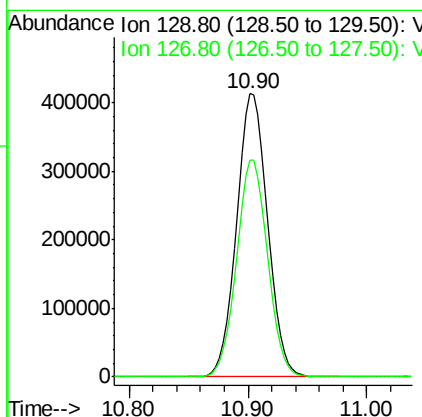
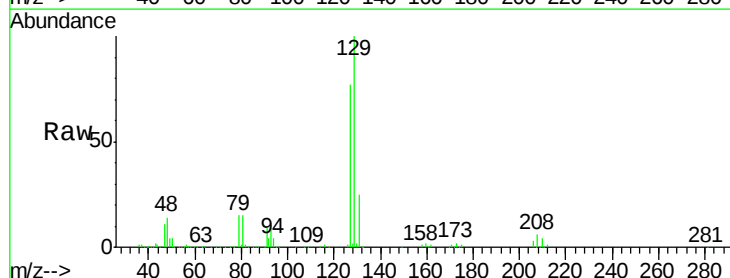
Manual Integrations
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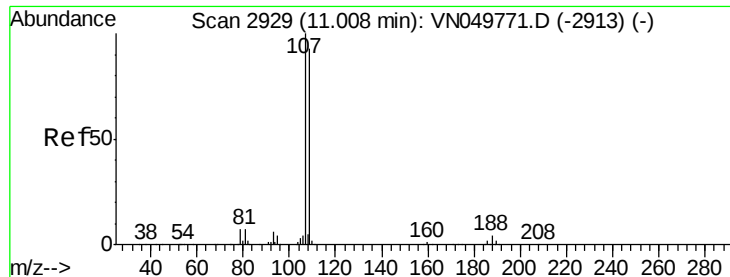
MMDadoda
7/16/2018 11:02:50 AM



#60
Dibromochloromethane
Concen: 49.33 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Tgt Ion: 129 Resp: 745419
Ion Ratio Lower Upper
129 100
127 76.8 38.3 114.9





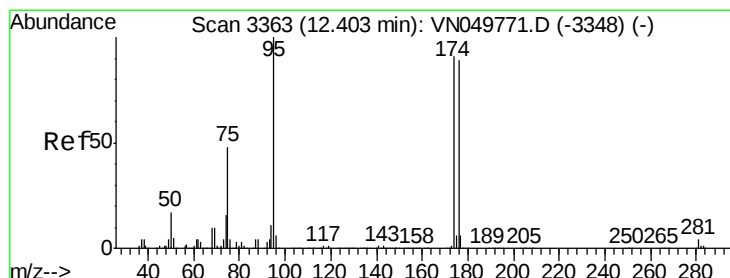
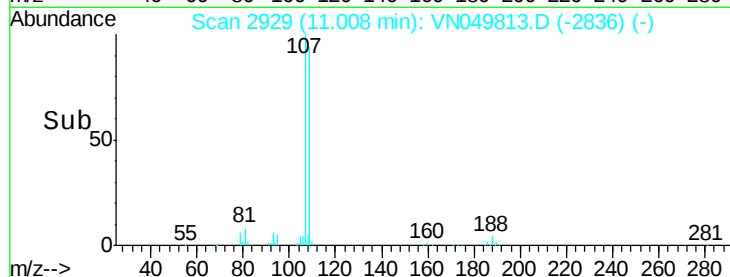
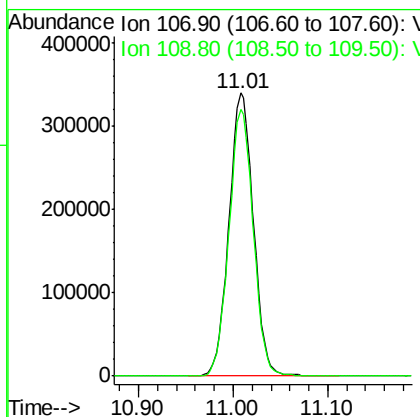
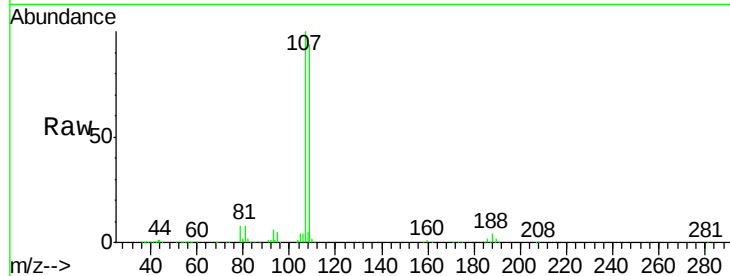
#61
 1,2-Dibromoethane
 Concen: 48.55 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049813.D
 Acq: 13 Jul 2018 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.0	112.6

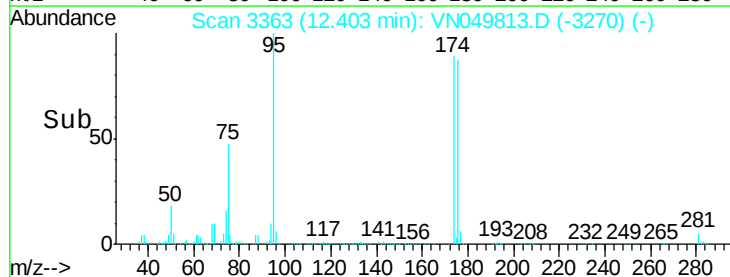
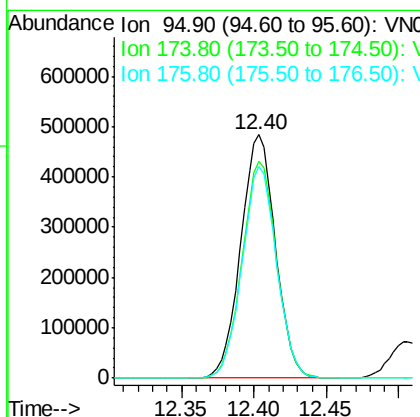
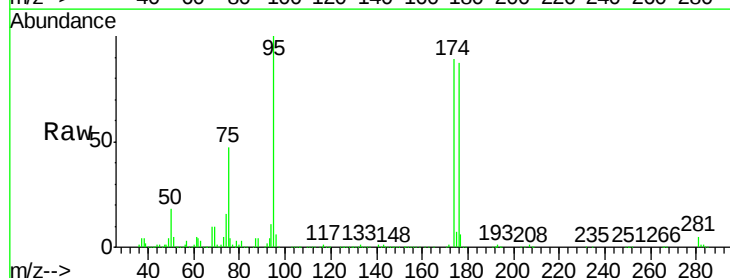
Manual Integrations
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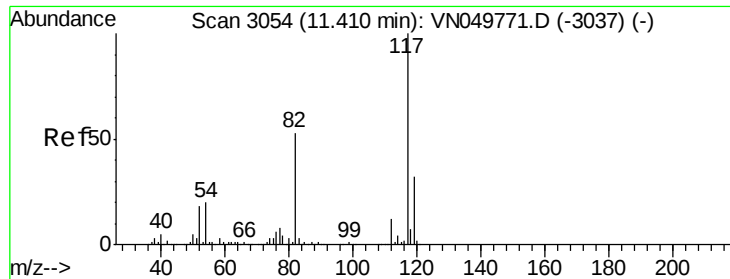
MMDadoda
 7/16/2018 11:02:50 AM



#62
 4-Bromofluorobenzene
 Concen: 52.13 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049813.D
 Acq: 13 Jul 2018 22:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.8	0.0	179.6
176	86.5	0.0	174.0





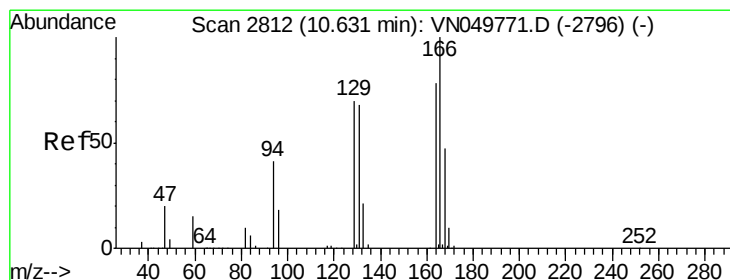
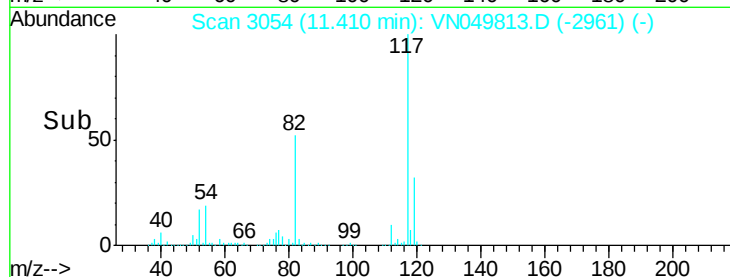
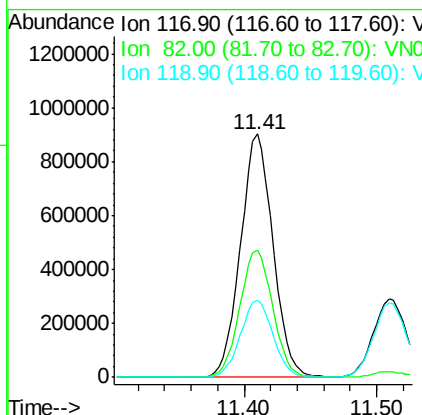
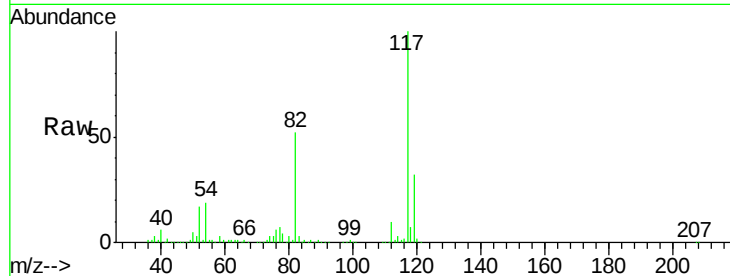
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1539598
Ion Ratio Lower Upper
117 100
82 52.4 41.9 62.9
119 31.6 25.4 38.2

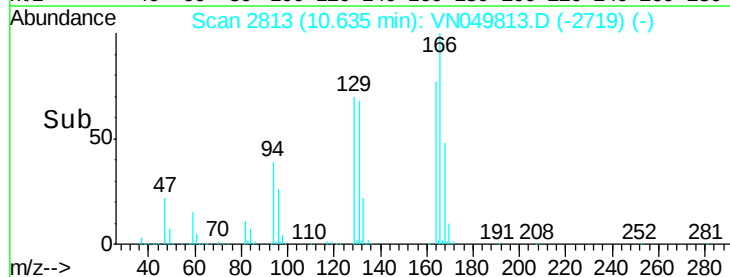
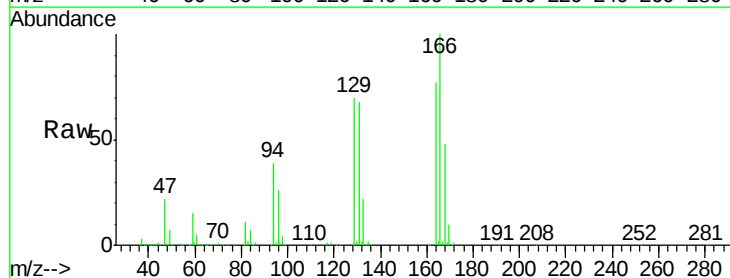
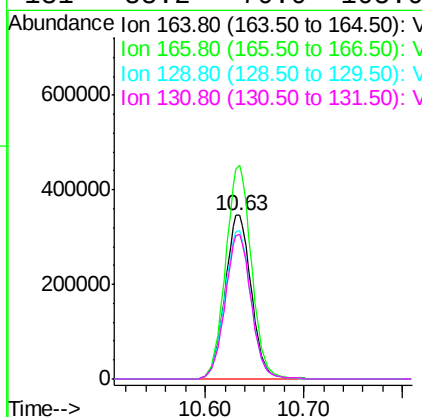
Manual Integrations
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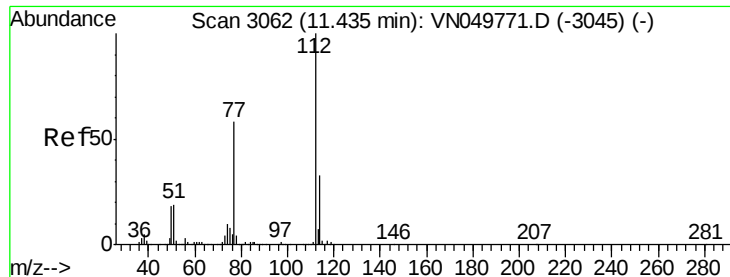
MMDadoda
7/16/2018 11:02:50 AM



#64
Tetrachloroethene
Concen: 45.87 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Tgt Ion:164 Resp: 641223
Ion Ratio Lower Upper
164 100
166 130.5 101.8 152.6
129 90.9 72.8 109.2
131 88.2 70.0 105.0





#65

Chlorobenzene

Concen: 47.14 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 1890908

Ion Ratio Lower Upper

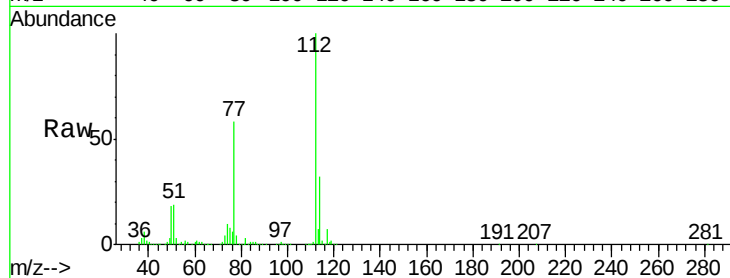
112 100

114 31.6 25.4 38.0

Manual Integrations
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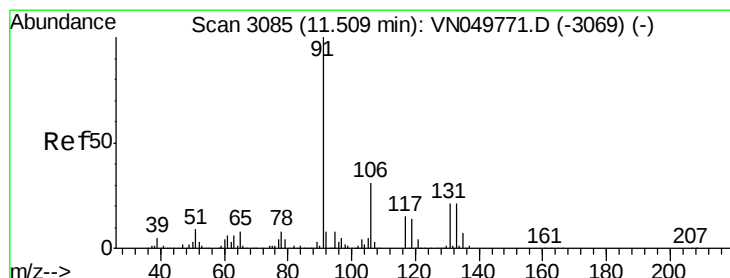
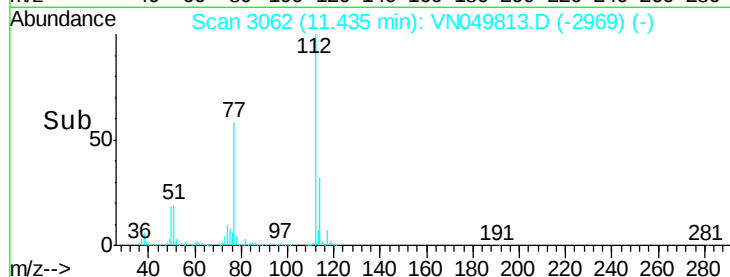
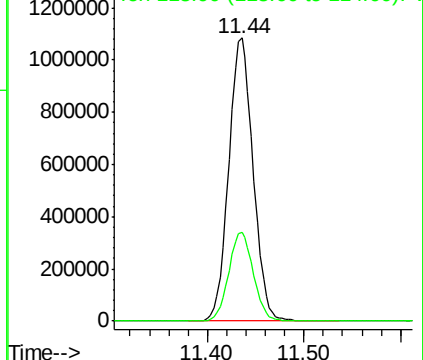
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.96 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

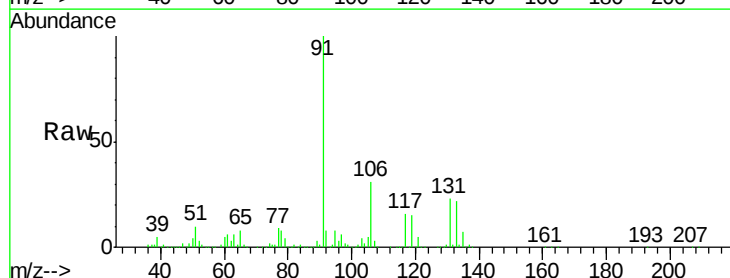
Tgt Ion:131 Resp: 738867

Ion Ratio Lower Upper

131 100

133 95.5 47.5 142.6

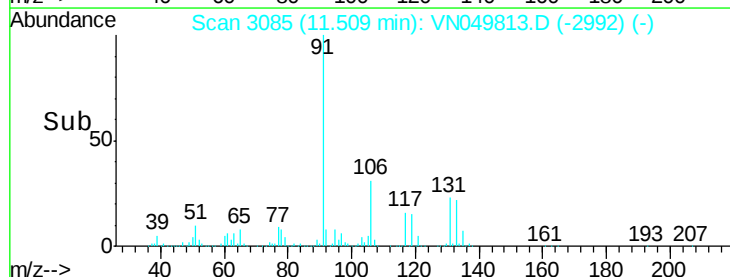
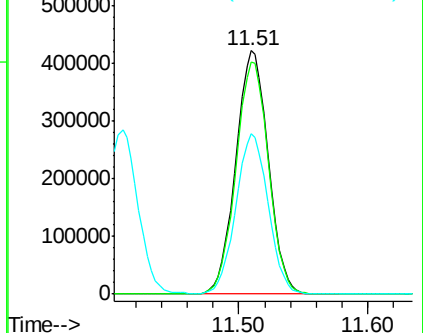
119 65.6 33.1 99.3

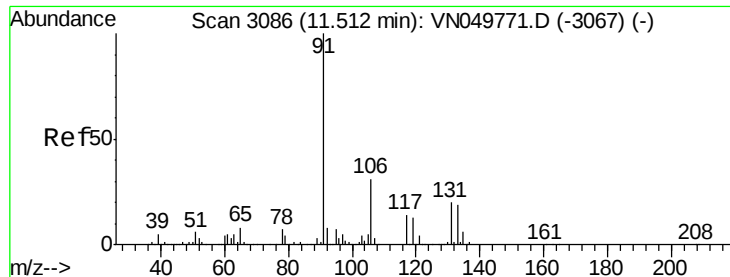


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 49.35 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 3241276

Ion Ratio Lower Upper

91 100

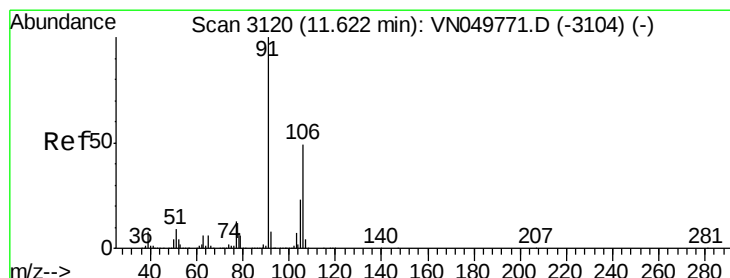
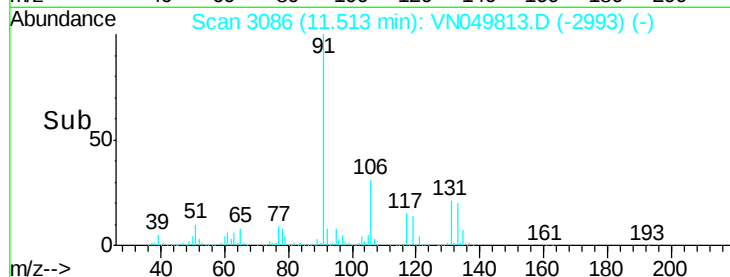
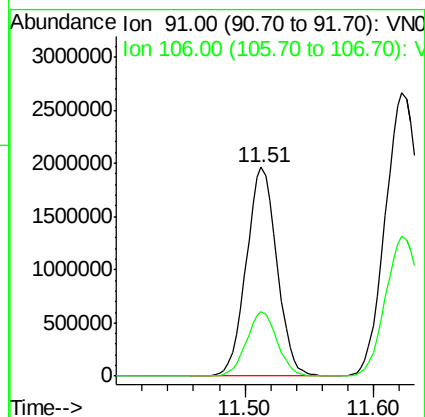
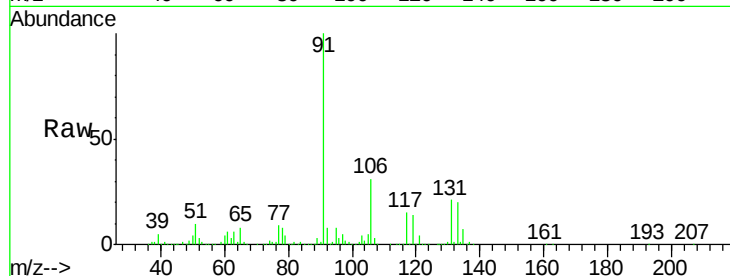
106 30.9 24.8 37.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 101.62 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049813.D

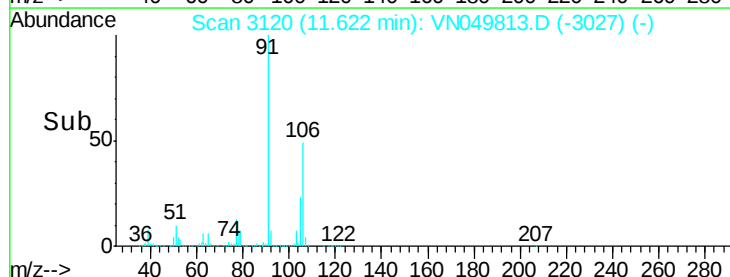
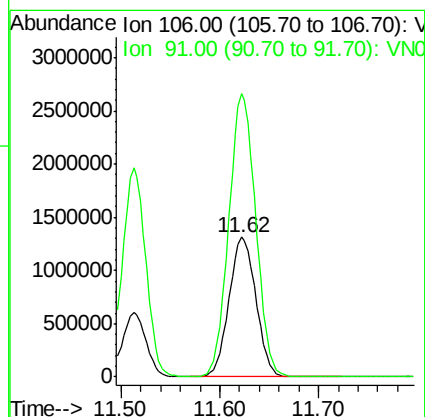
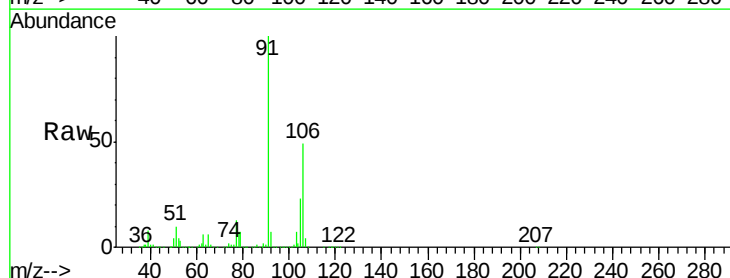
Acq: 13 Jul 2018 22:38

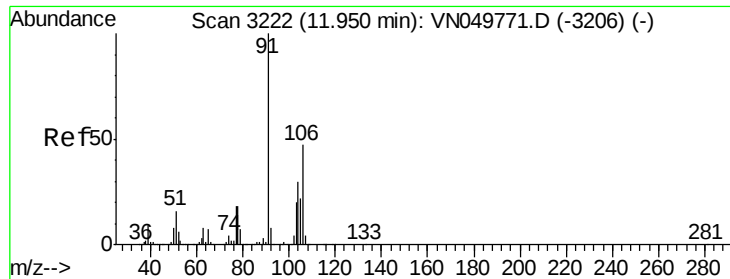
Tgt Ion: 106 Resp: 2505163

Ion Ratio Lower Upper

106 100

91 202.4 163.4 245.2





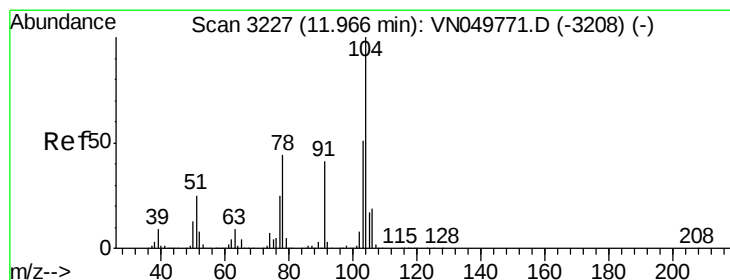
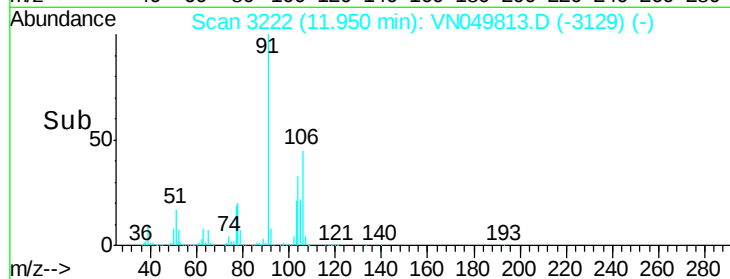
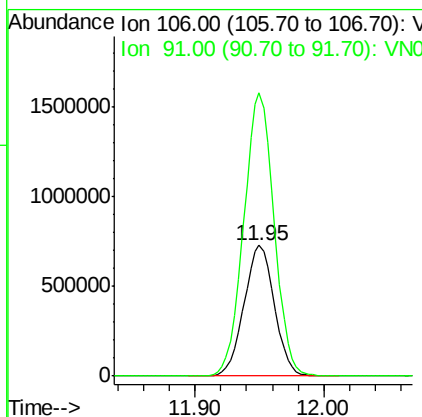
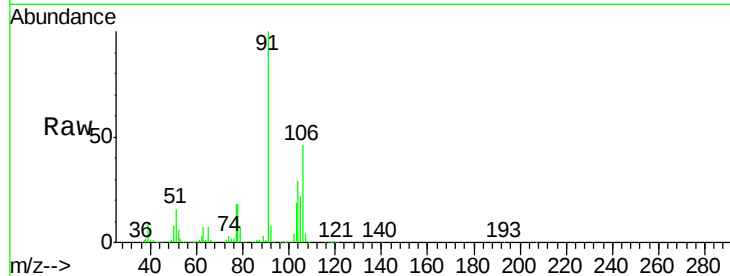
#69
o-Xylene
Concen: 50.11 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 1193455
Ion Ratio Lower Upper
106 100
91 215.2 108.7 326.1

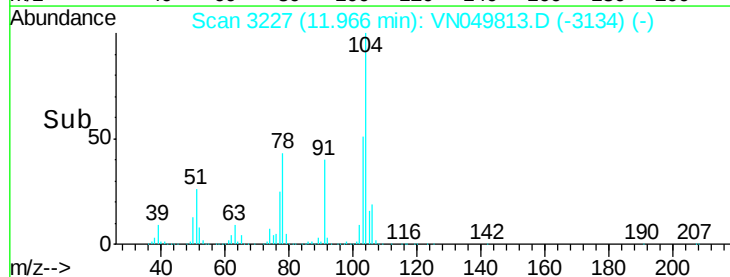
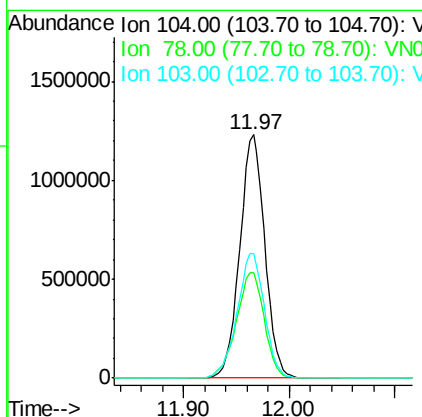
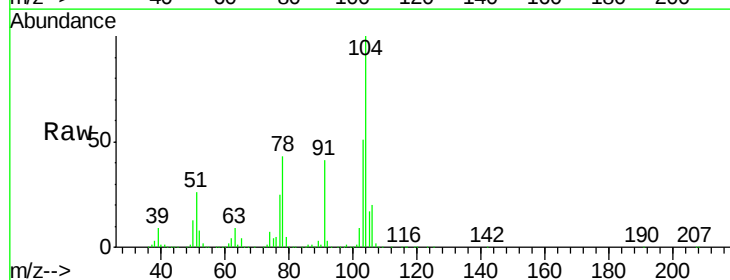
Manual Integrations
APPROVED

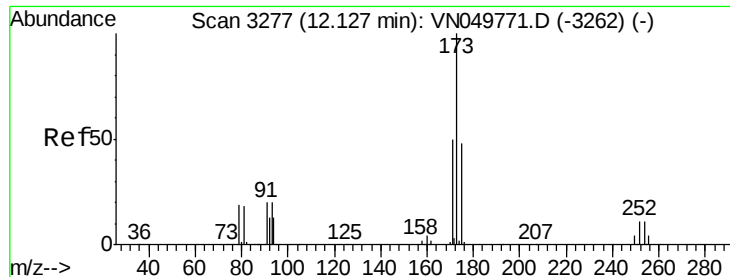
MMDadoda
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#70
Styrene
Concen: 53.53 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Tgt Ion:104 Resp: 2025052
Ion Ratio Lower Upper
104 100
78 48.5 39.2 58.8
103 55.9 44.6 67.0





#71

Bromoform

Concen: 49.99 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

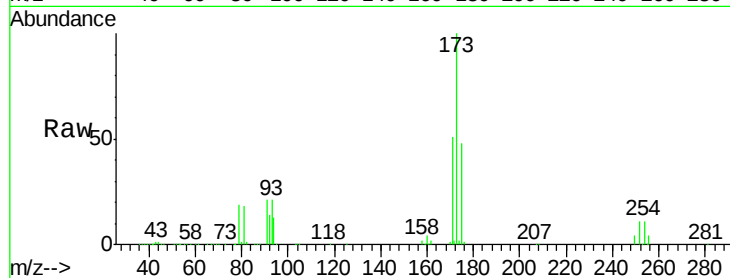
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.6	73.8
254	0.1	0.2	0.2

Manual Integrations
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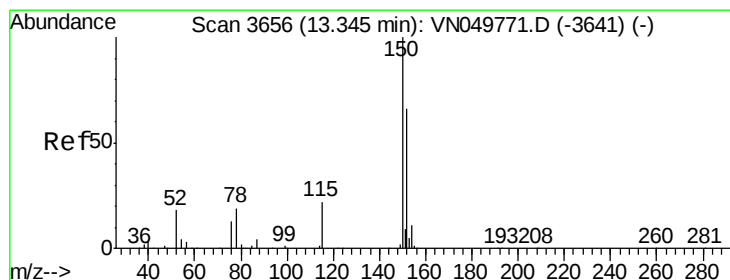
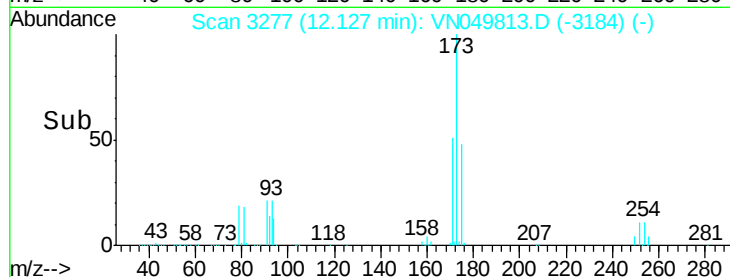
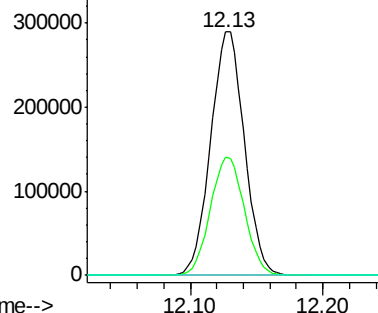


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

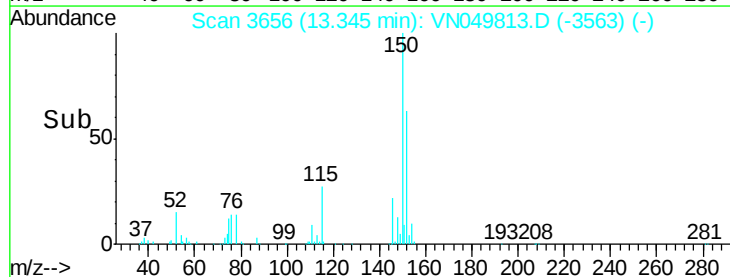
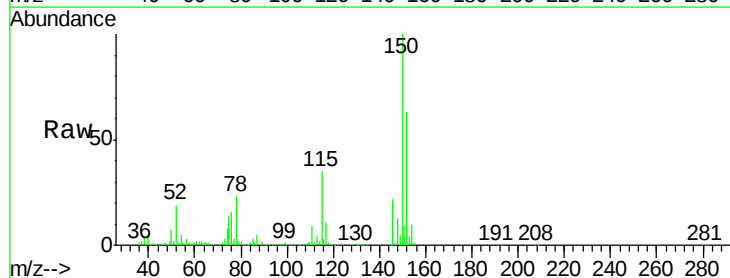
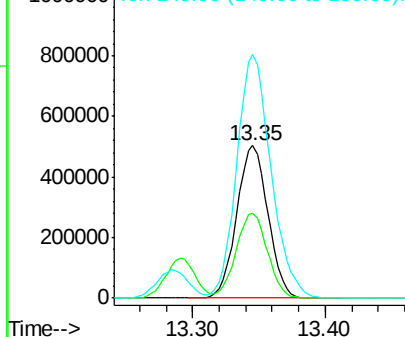
Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	28.1	84.2
150	175.1	0.0	347.6

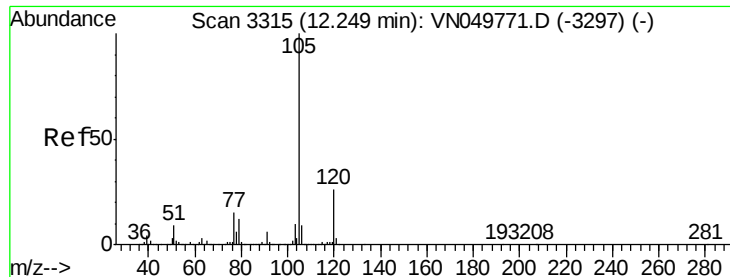
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.45 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3246184

Ion Ratio Lower Upper

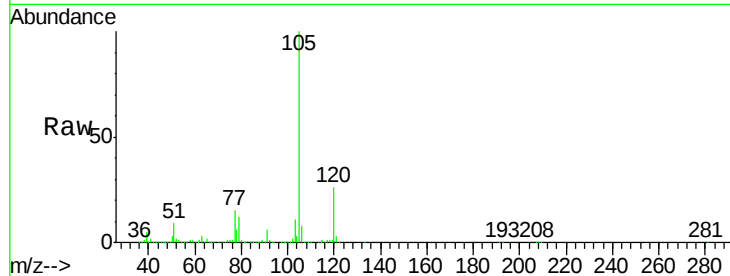
105 100

120 26.4 13.3 39.8

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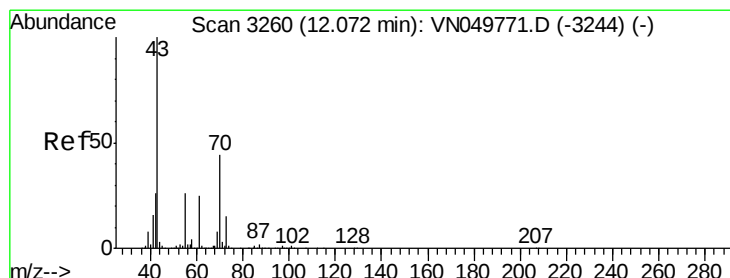
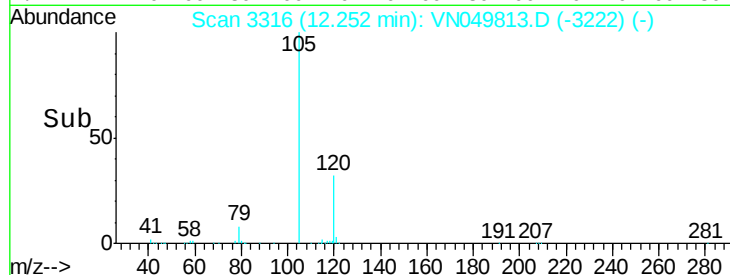
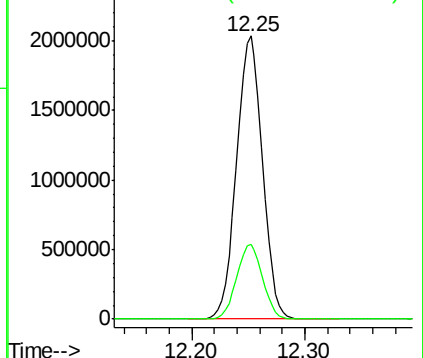
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.91 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Tgt Ion: 43 Resp: 888308

Ion Ratio Lower Upper

43 100

70 42.9 34.8 52.2

55 26.4 20.9 31.3

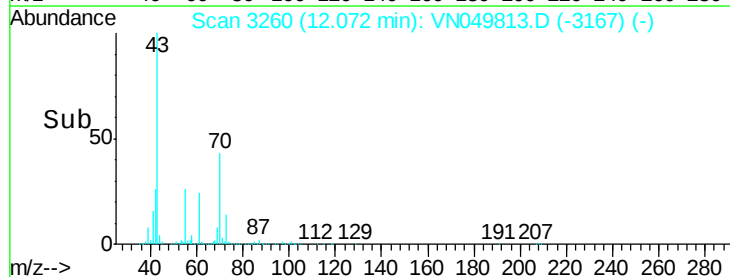
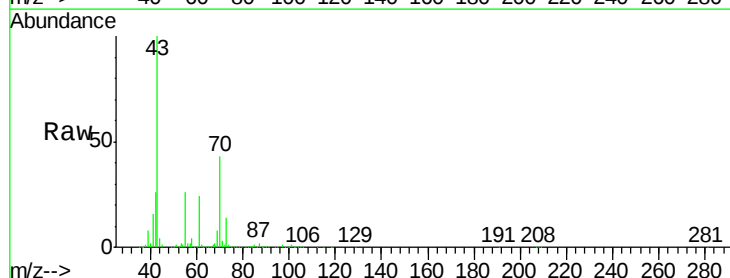
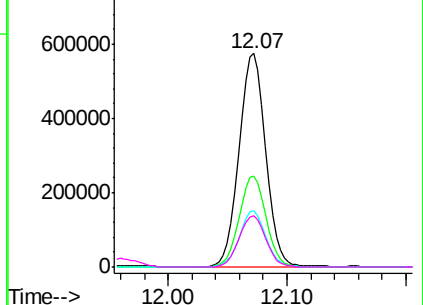
61 24.3 19.9 29.9

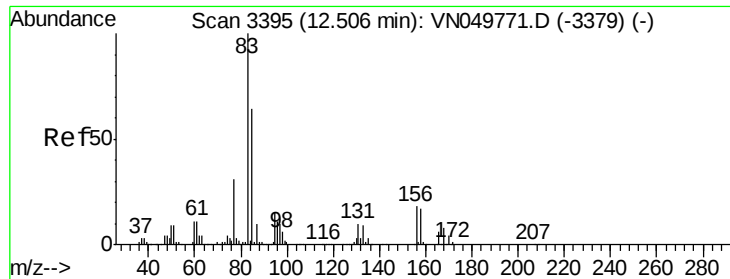
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.18 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 806039
Ion Ratio Lower Upper

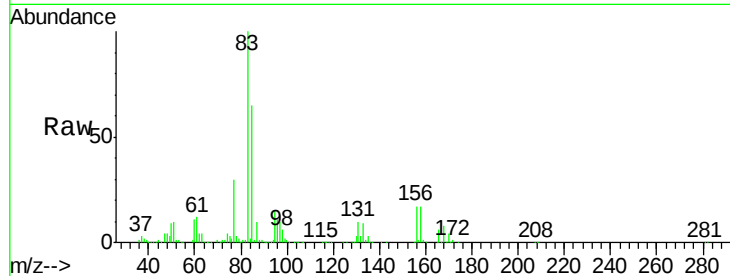
83 100

131 10.6 5.2 15.6

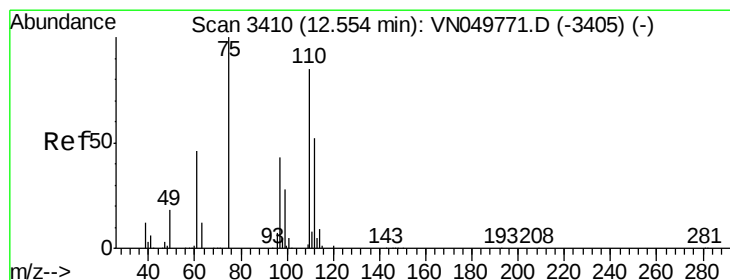
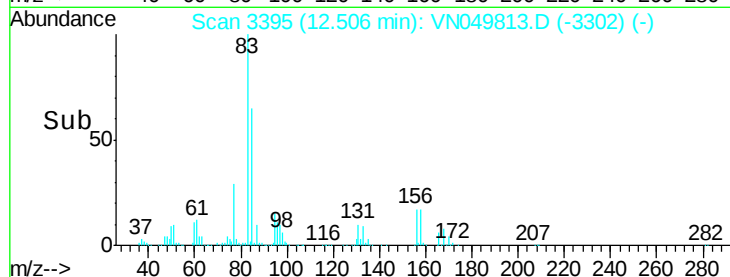
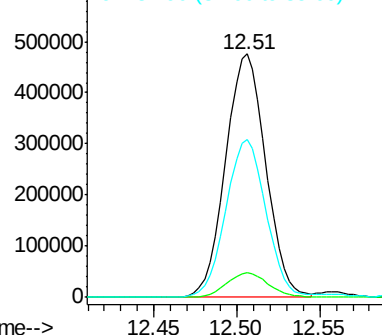
85 64.5 32.5 97.4

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Abundance Ion 82.90 (82.60 to 83.60): VN049813.D (-3302) (-)
Ion 130.80 (130.50 to 131.50): VN049813.D (-3302) (-)
Ion 84.90 (84.60 to 85.60): VN049813.D (-3302) (-)



#76

1,2,3-Trichloropropane

Concen: 45.57 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

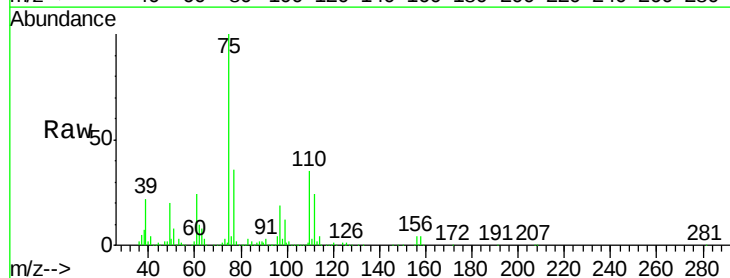
Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

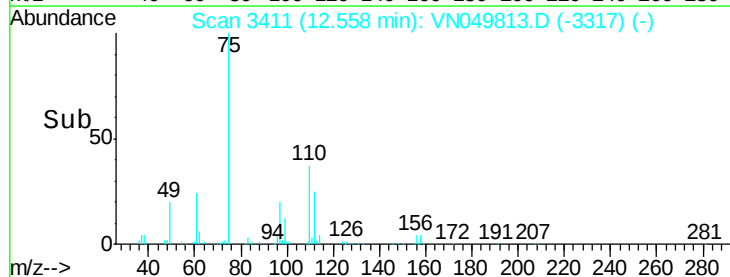
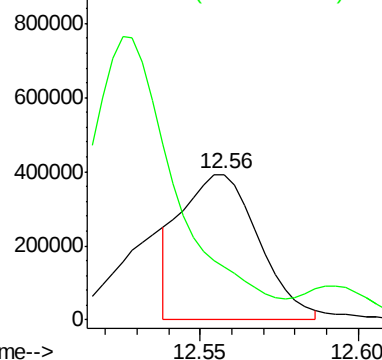
Tgt Ion: 75 Resp: 666319
Ion Ratio Lower Upper

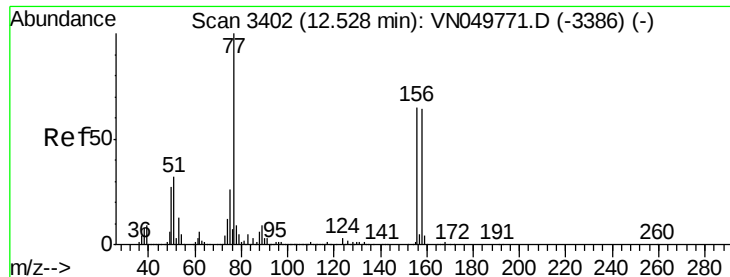
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049813.D (-3317) (-)
Ion 77.00 (76.70 to 77.70): VN049813.D (-3317) (-)





#77

Bromobenzene

Concen: 46.27 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 839788

Ion Ratio Lower Upper

156 100

77 178.9 90.2 270.6

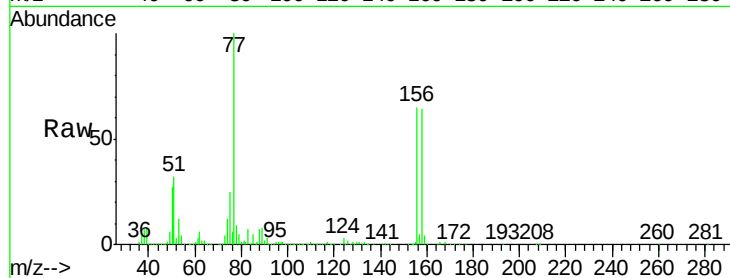
158 98.0 49.1 147.3

Manual Integrations

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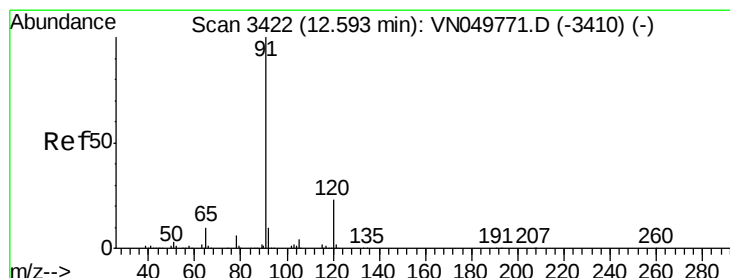
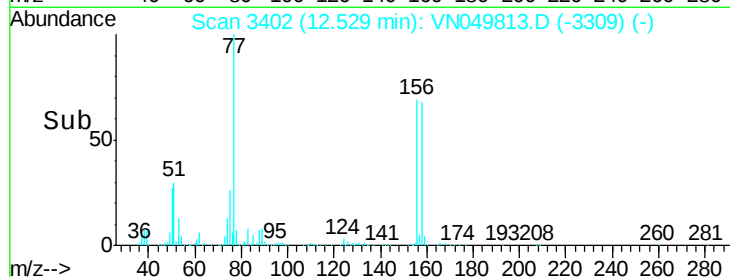
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

12.53

Time-->



#78

n-propylbenzene

Concen: 48.63 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049813.D

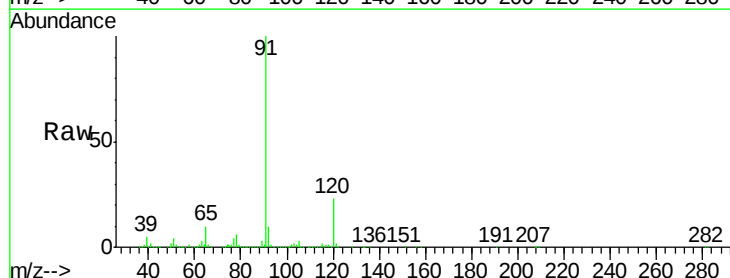
Acq: 13 Jul 2018 22:38

Tgt Ion: 91 Resp: 3750847

Ion Ratio Lower Upper

91 100

120 23.1 11.5 34.4

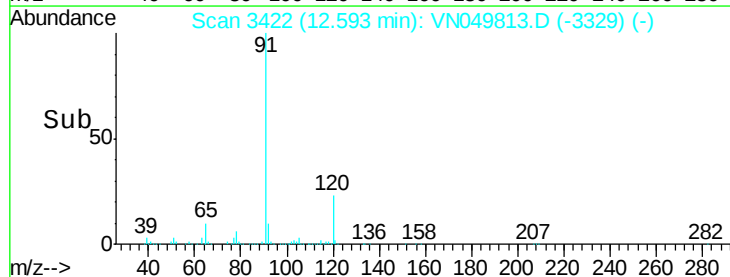


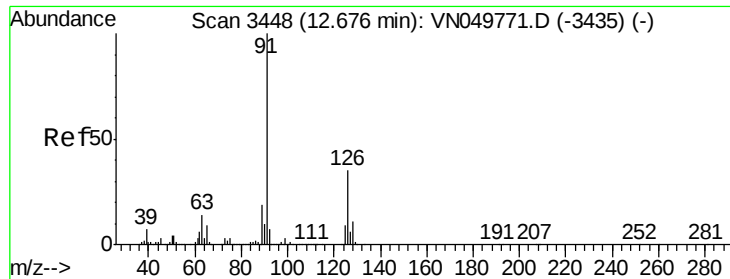
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

12.59

Time-->





#79

2-Chlorotoluene

Concen: 47.34 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2234814

Ion Ratio Lower Upper

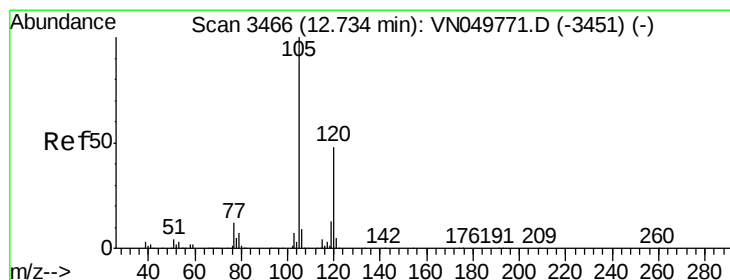
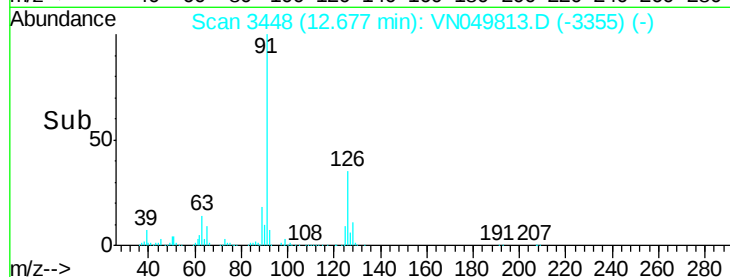
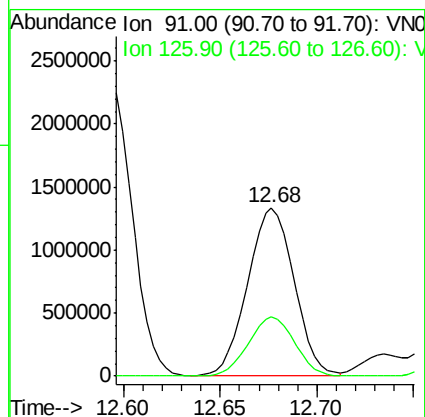
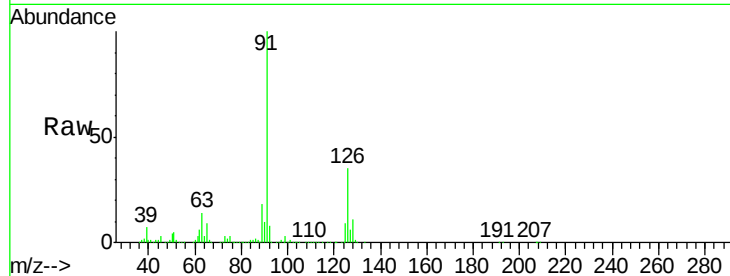
91 100

126 35.1 17.5 52.5

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 49.16 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049813.D

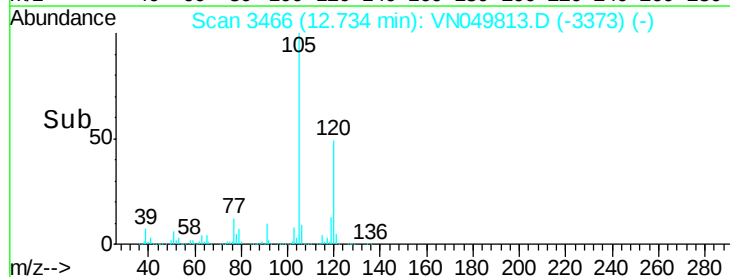
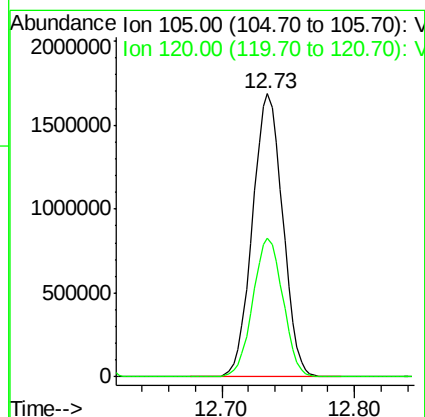
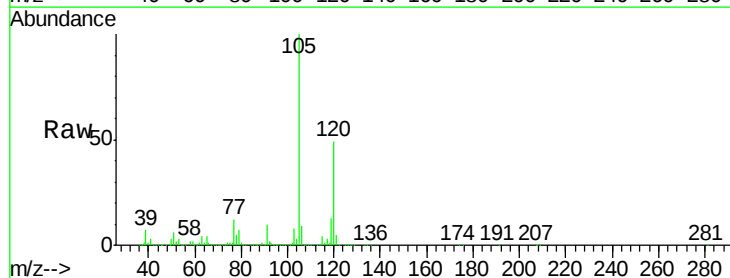
Acq: 13 Jul 2018 22:38

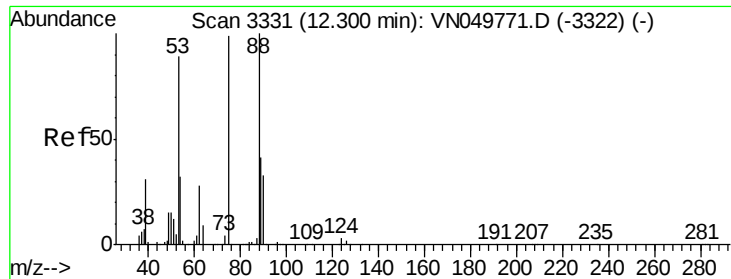
Tgt Ion: 105 Resp: 2672393

Ion Ratio Lower Upper

105 100

120 48.8 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 46.36 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

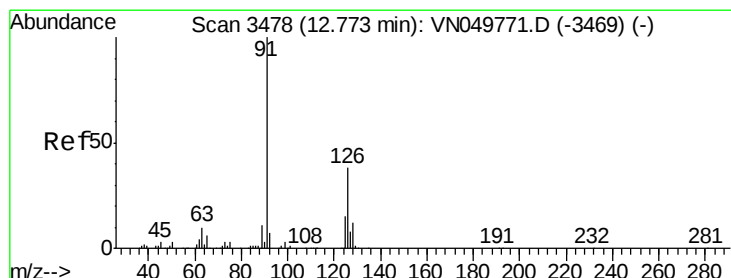
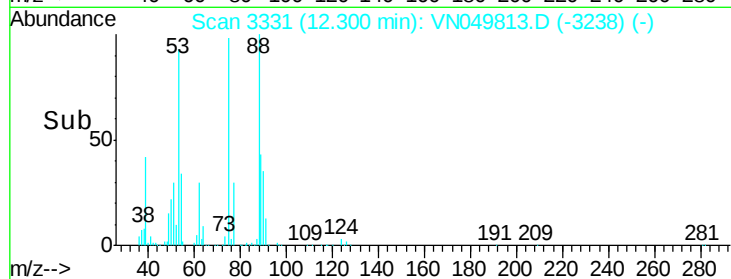
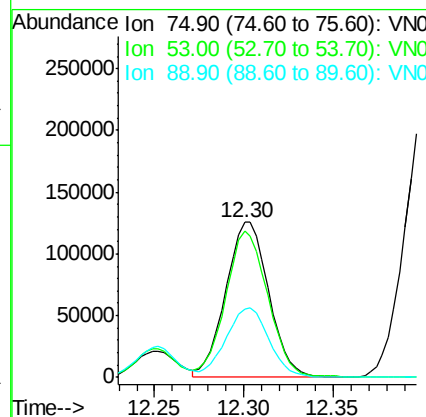
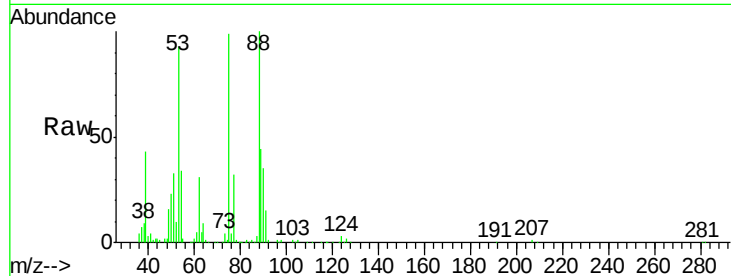
ClientSampled :

VSTDCCC050

Tot Ion:	75	Resp:	209920
Ion	Ratio	Lower	Upper
75	100		
53	92.6	73.9	110.9
89	45.0	35.9	53.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.90 ug/l

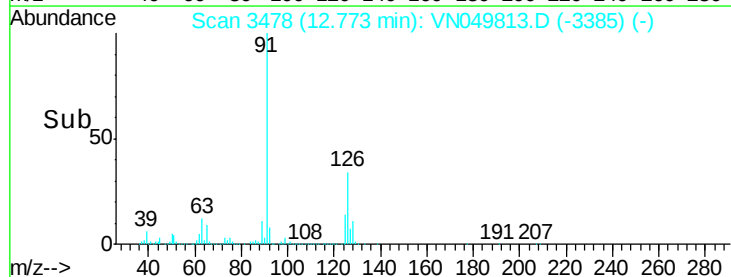
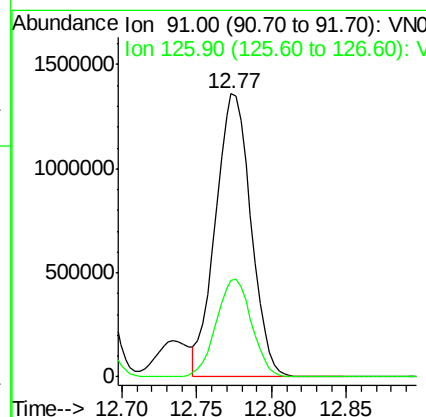
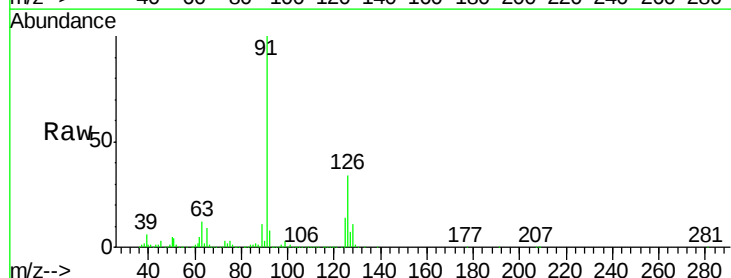
RT: 12.77 min Scan# 3478

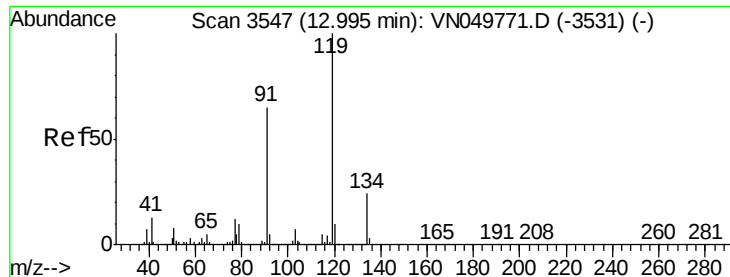
Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Tgt Ion:	91	Resp:	2242460
Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.2	51.6





#83

tert-Butylbenzene

Concen: 47.66 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 2318338

Ion Ratio Lower Upper

119 100

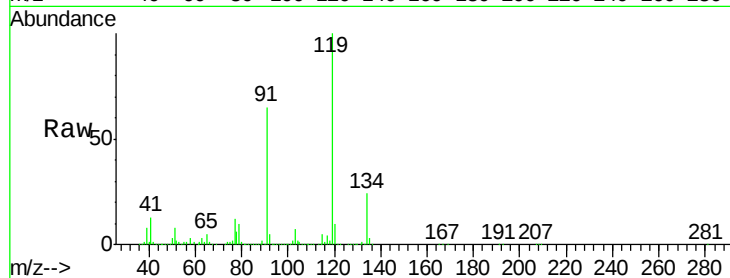
91 63.6 32.0 96.2

134 26.6 12.8 38.4

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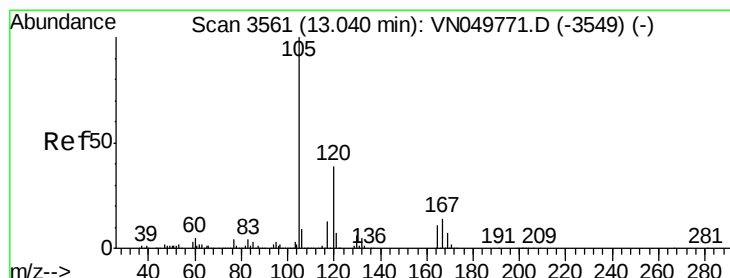
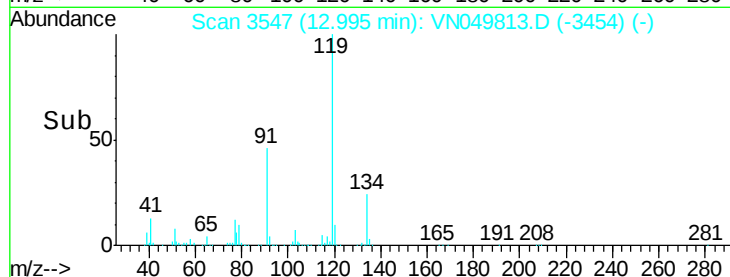
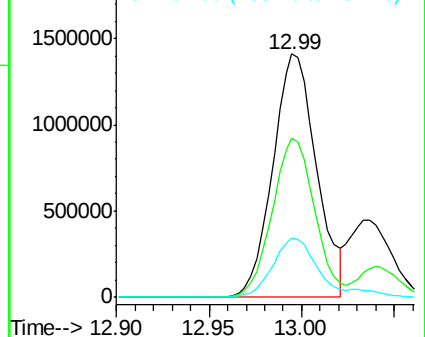
7/16/2018 11:02:50 AM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.34 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

Lab File: VN049813.D

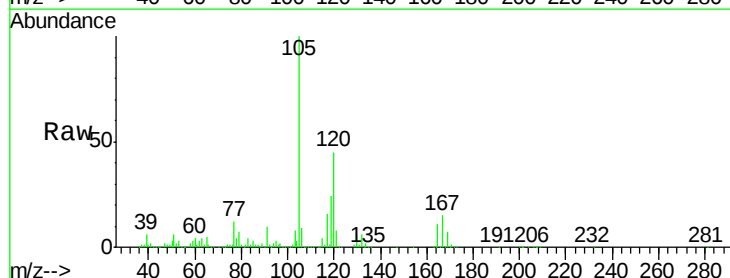
Acq: 13 Jul 2018 22:38

Tgt Ion:105 Resp: 2744594

Ion Ratio Lower Upper

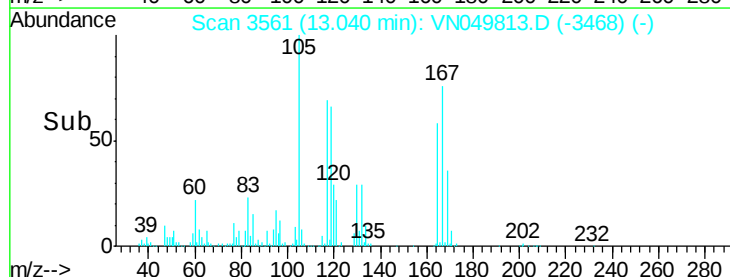
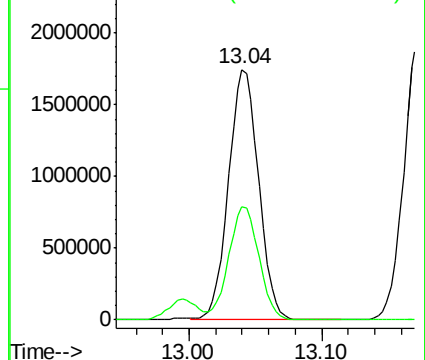
105 100

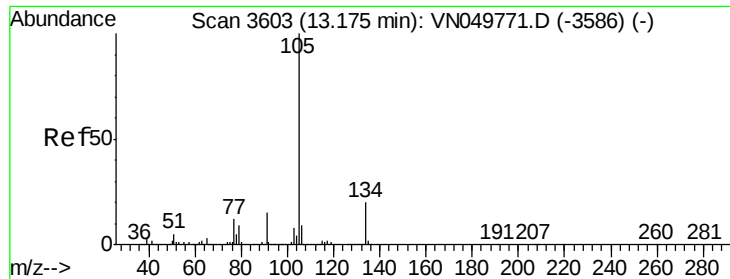
120 45.2 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





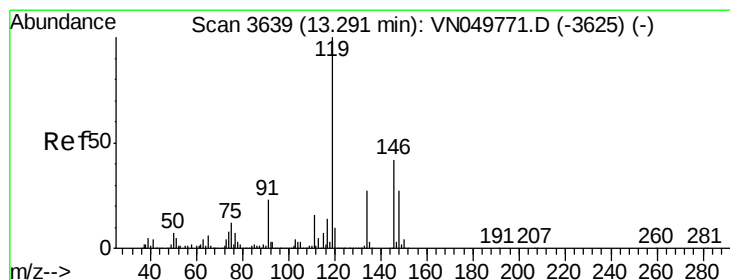
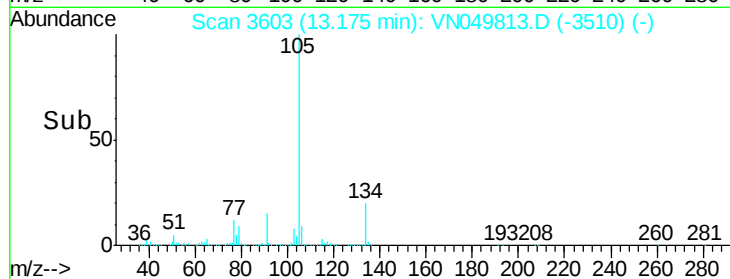
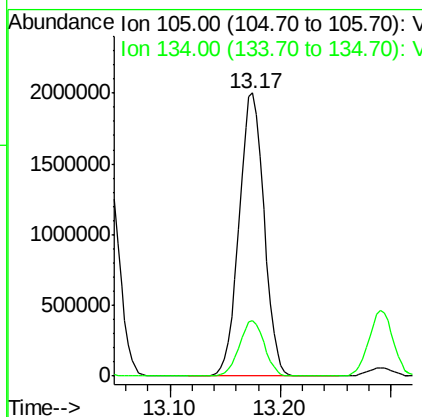
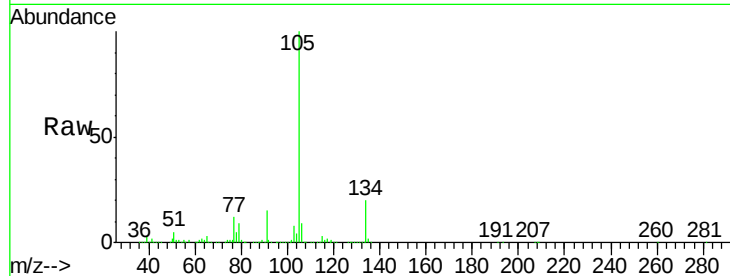
#85
 sec-Butylbenzene
 Concen: 49.12 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN049813.D
 Acq: 13 Jul 2018 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 3131656
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.1 30.1

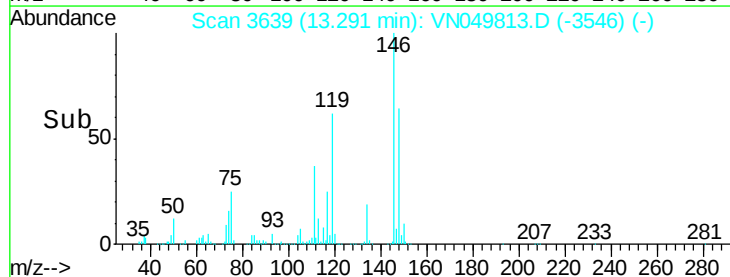
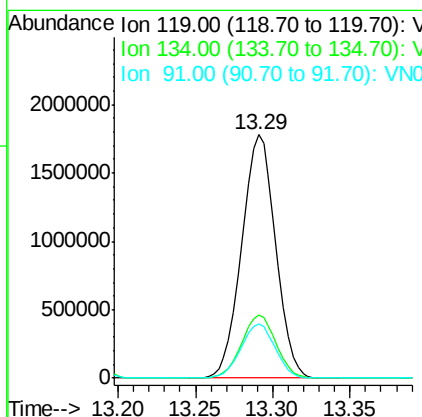
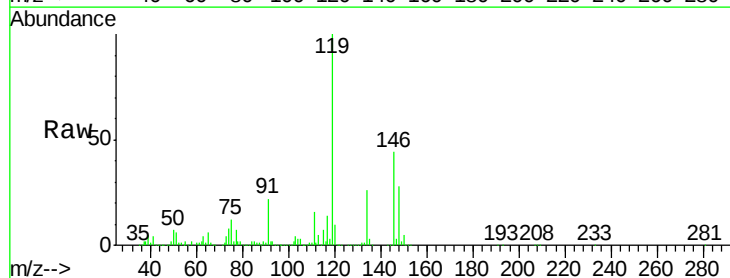
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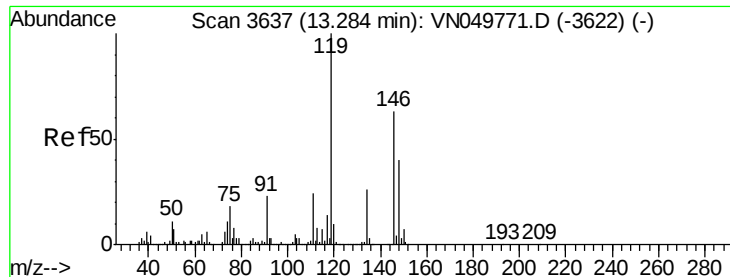
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#86
 p-Isopropyltoluene
 Concen: 50.20 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN049813.D
 Acq: 13 Jul 2018 22:38

Tgt Ion:119 Resp: 2708146
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.3 39.9
 91 22.5 11.4 34.1





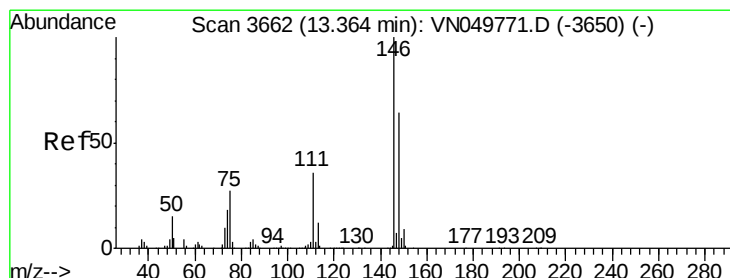
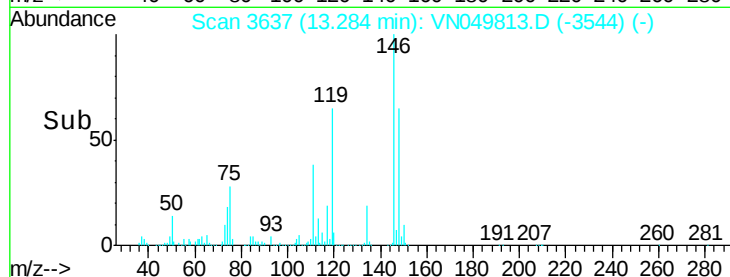
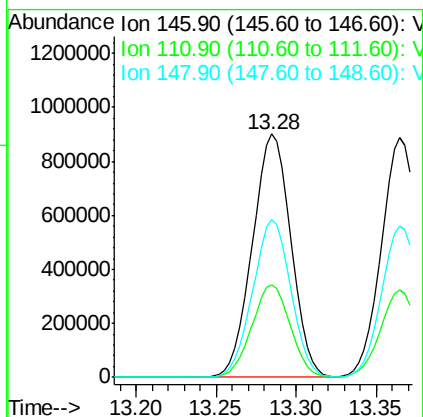
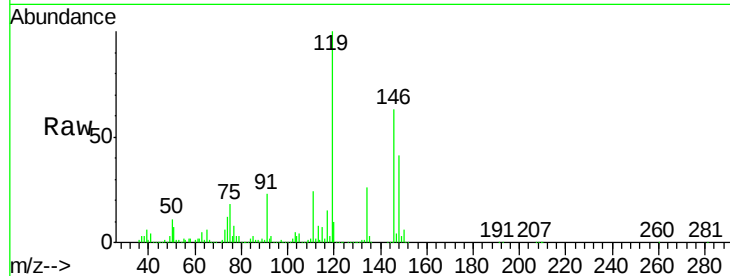
#87
 1,3-Dichlorobenzene
 Concen: 47.45 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049813.D
 Acq: 13 Jul 2018 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.0	57.0
148	64.1	32.5	97.5

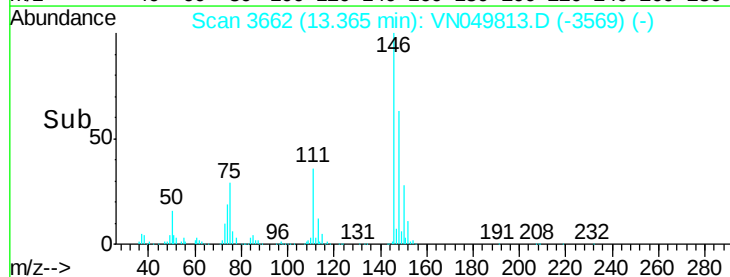
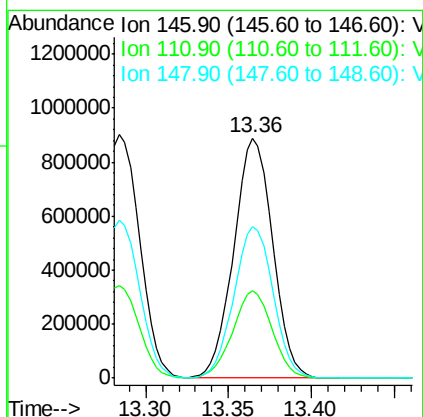
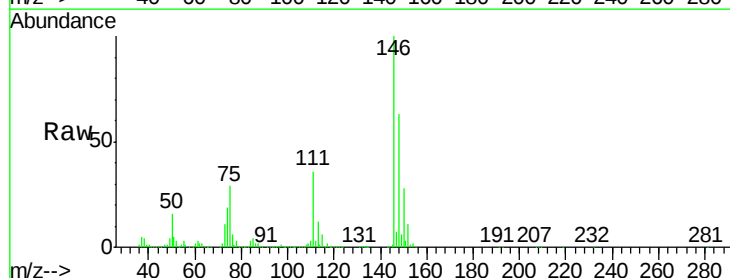
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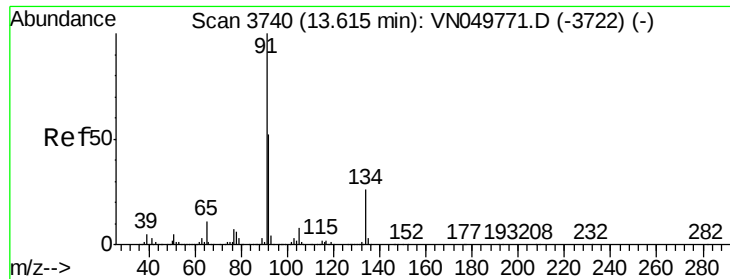
MMDadoda
 7/16/2018 11:02:50 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.43 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN049813.D
 Acq: 13 Jul 2018 22:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.9	56.5
148	63.8	32.1	96.3





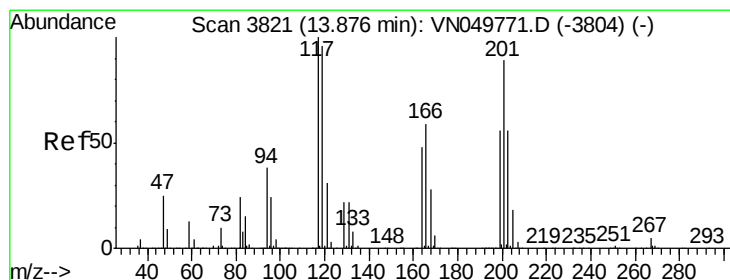
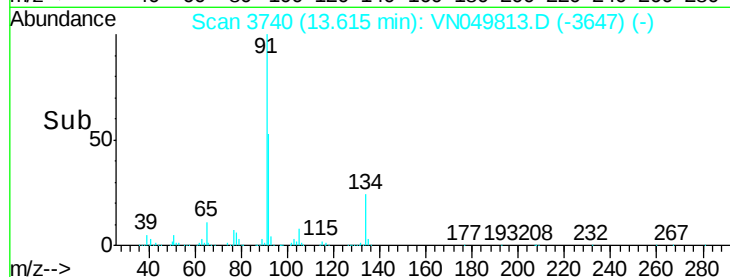
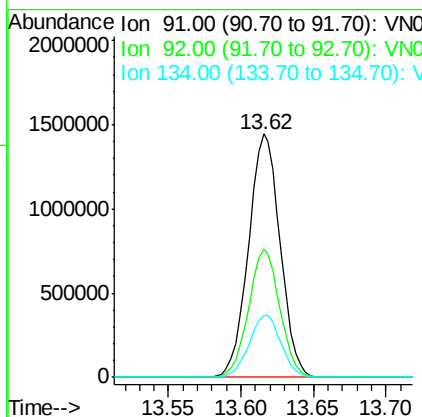
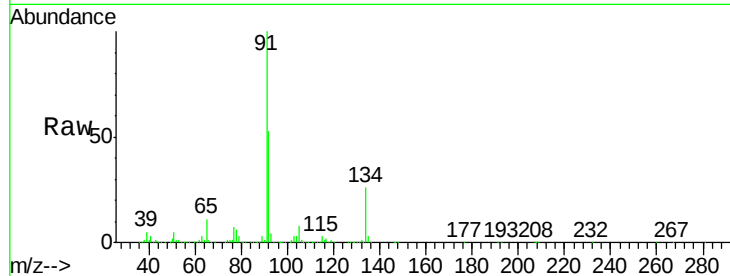
#89
n-Butylbenzene
Concen: 49.16 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.8	77.3
134	25.8	13.0	38.9

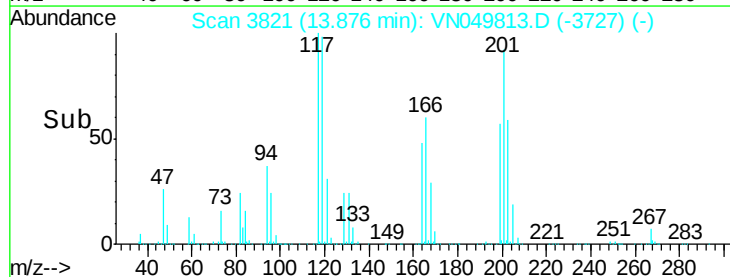
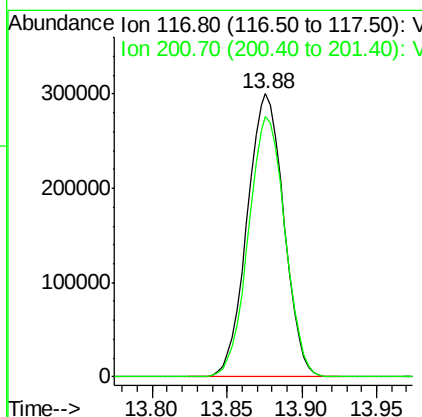
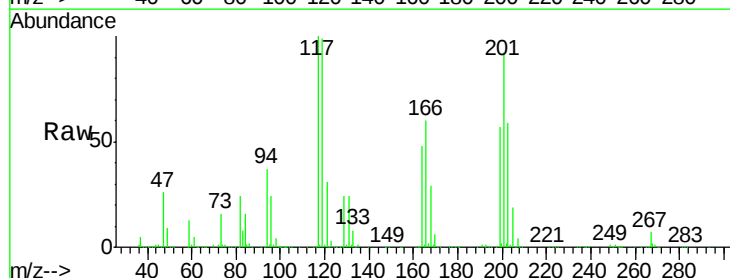
Manual Integrations
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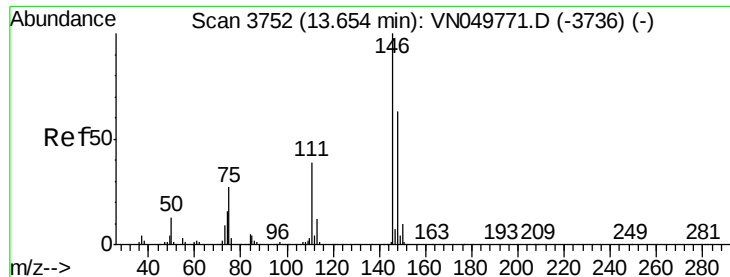
MMDadoda
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#90
Hexachloroethane
Concen: 48.92 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049813.D
Acq: 13 Jul 2018 22:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.9	45.3	135.8





#91

1,2-Dichlorobenzene

Concen: 48.19 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1479920

Ion Ratio Lower Upper

146 100

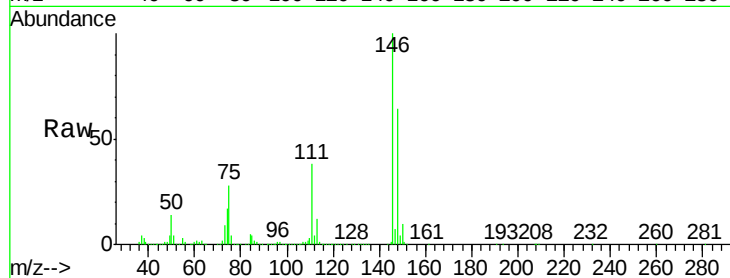
111 38.3 19.7 59.1

148 64.5 32.0 96.2

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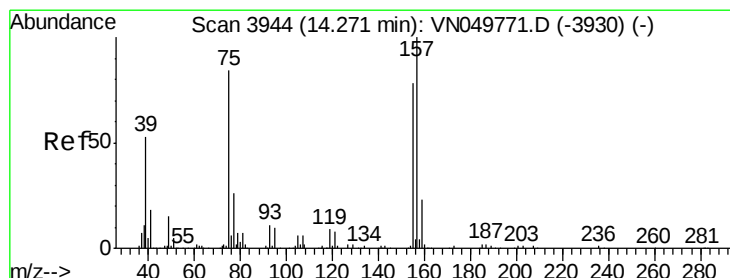
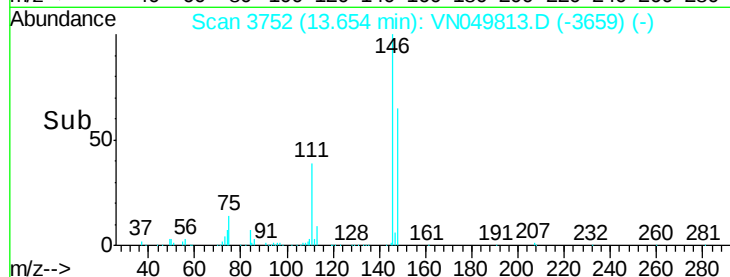
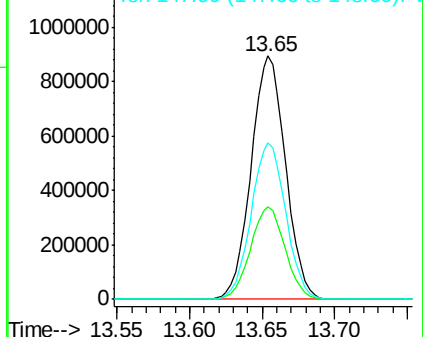
7/16/2018 11:02:50 AM



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.13 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

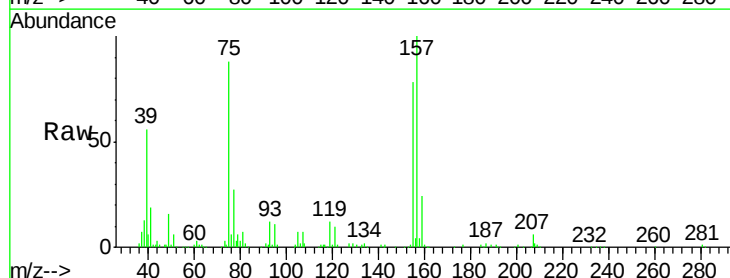
Tgt Ion: 75 Resp: 121199

Ion Ratio Lower Upper

75 100

155 88.4 45.7 137.1

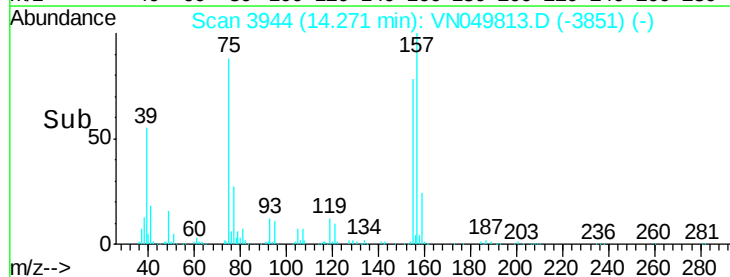
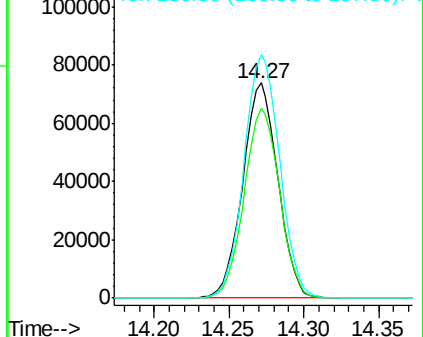
157 114.9 56.9 170.7

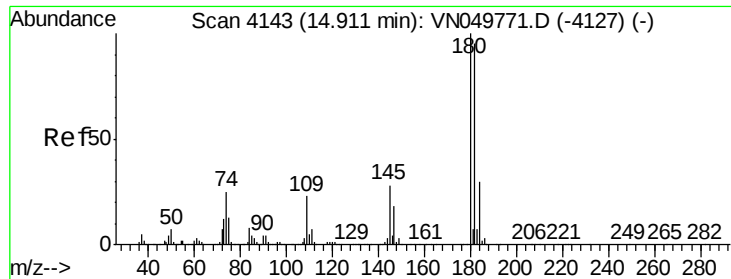


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





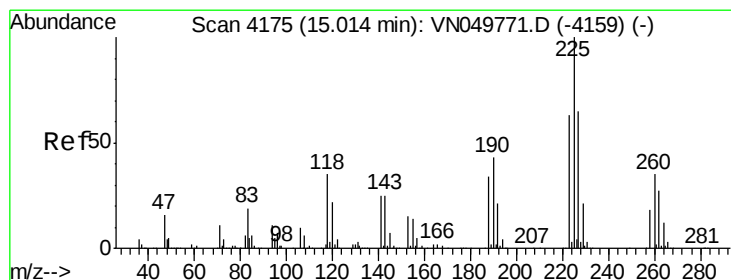
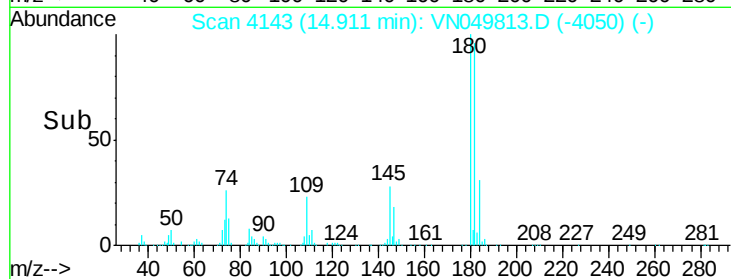
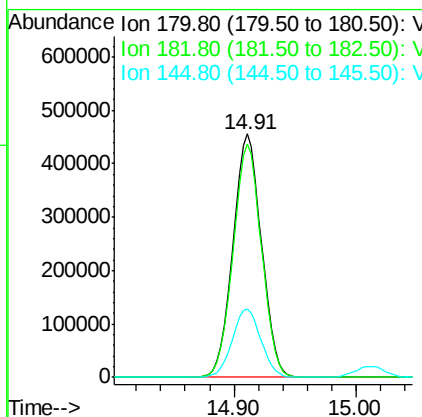
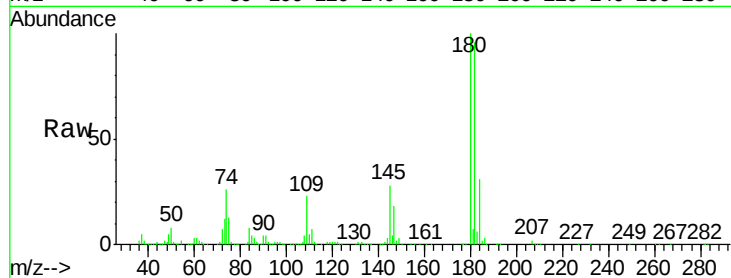
#93
 1,2,4-Trichlorobenzene
 Concen: 43.99 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049813.D
 Acq: 13 Jul 2018 22:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	735911		
182	95.4	47.3	141.9	
145	28.4	14.4	43.0	

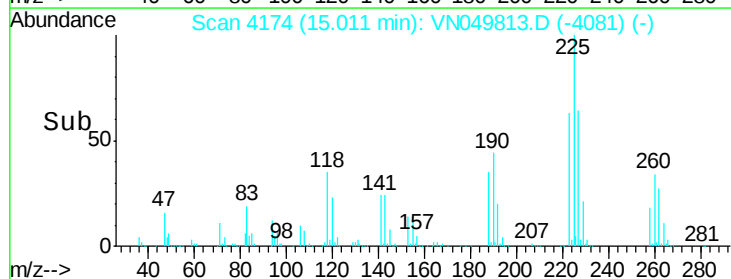
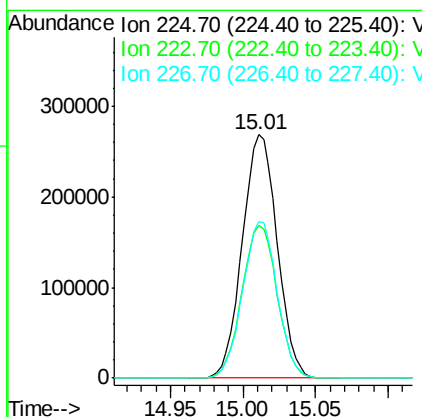
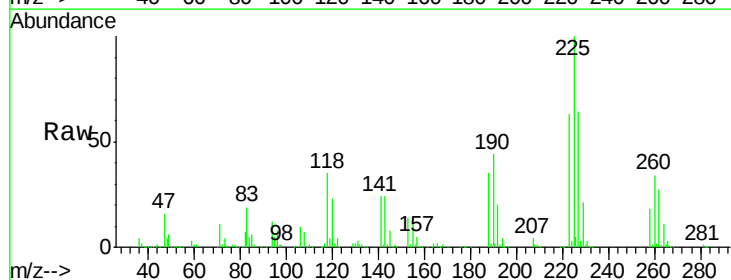
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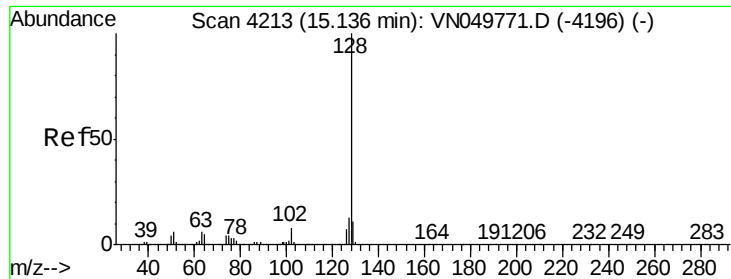
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 7/16/2018 11:02:50 AM



#94
 Hexachlorobutadiene
 Concen: 47.96 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049813.D
 Acq: 13 Jul 2018 22:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	451197		
223	63.1	30.9	92.7	
227	63.5	31.8	95.4	





#95

Naphthalene

Concen: 42.45 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1521081

Ion Ratio Lower Upper

128 100

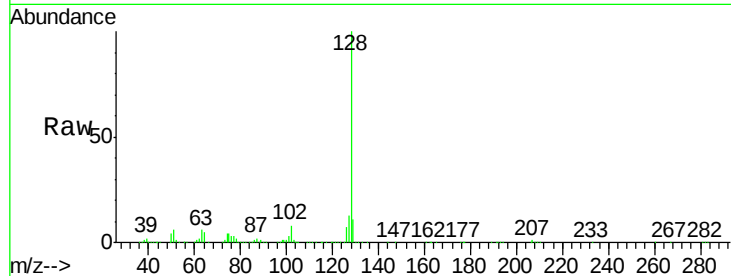
127 13.2 10.4 15.6

129 10.9 8.6 13.0

Manual Integrations
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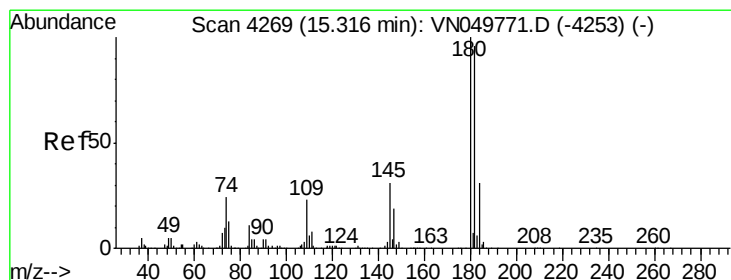
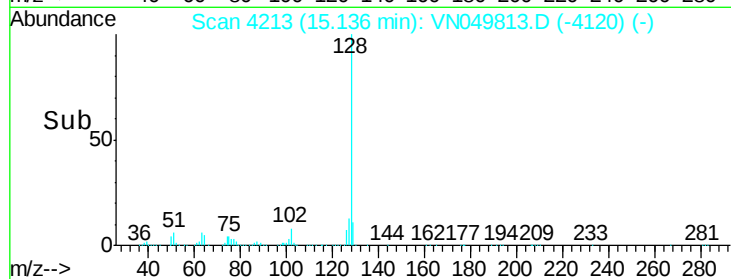
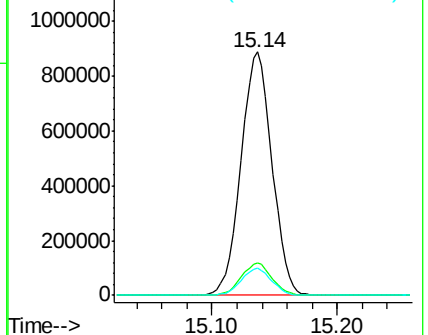
7/16/2018 11:02:50 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.69 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN049813.D

Acq: 13 Jul 2018 22:38

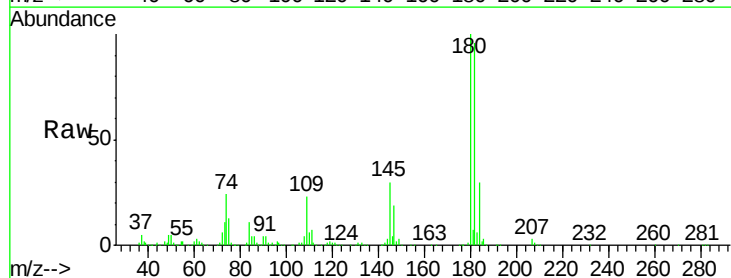
Tgt Ion:180 Resp: 739941

Ion Ratio Lower Upper

180 100

182 95.7 47.4 142.2

145 30.1 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

