

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\
 Data File : VN049956.D
 Acq On : 20 Jul 2018 12:15
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/23/2018 2:03:54 PM

Quant Time: Jul 20 23:56:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	606947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	865535	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	797068	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	441263	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	396421	47.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.04%	
35) Dibromofluoromethane	7.59	113	353912	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
50) Toluene-d8	10.09	98	1320645	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
62) 4-Bromofluorobenzene	12.40	95	460489	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	251114	45.20	ug/l	98
3) Chloromethane	2.06	50	326903	39.46	ug/l	100
4) Vinyl Chloride	2.18	62	357788	40.49	ug/l	99
5) Bromomethane	2.56	94	265131	53.81	ug/l	99
6) Chloroethane	2.70	64	232931	40.36	ug/l	99
7) Trichlorofluoromethane	3.01	101	509556	41.95	ug/l	97
8) Diethyl Ether	3.41	74	184154	43.45	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	324046	43.26	ug/l	99
10) Methyl Iodide	3.95	142	396970	39.51	ug/l	99
11) Tert butyl alcohol	4.80	59	119611	201.26	ug/l	99
12) 1,1-Dichloroethene	3.73	96	277328	42.15	ug/l	99
13) Acrolein	3.61	56	57368	149.80	ug/l	99
14) Allyl chloride	4.32	41	459912	44.34	ug/l	99
15) Acrylonitrile	4.99	53	573823	219.54	ug/l	98
16) Acetone	3.82	43	475264	220.05	ug/l	99
17) Carbon Disulfide	4.04	76	730851	37.12	ug/l	100
18) Methyl Acetate	4.33	43	315048	46.36	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	845418	46.69	ug/l	99
20) Methylene Chloride	4.55	84	339884	41.38	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	308292	44.12	ug/l	99
22) Diisopropyl ether	5.96	45	1030781	48.70	ug/l	97
23) Vinyl Acetate	5.90	43	3496474	235.42	ug/l	100
24) 1,1-Dichloroethane	5.85	63	600973	44.23	ug/l	100
25) 2-Butanone	6.84	43	697556	225.98	ug/l	98
26) 2,2-Dichloropropane	6.82	77	512383	48.46	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	353247	46.07	ug/l	99
28) Bromochloromethane	7.19	49	304426	49.60	ug/l	99
29) Tetrahydrofuran	7.21	42	438038	225.26	ug/l	99
30) Chloroform	7.37	83	628005	45.02	ug/l	99
31) Cyclohexane	7.65	56	485180	43.87	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	532944	44.20	ug/l	99
36) 1,1-Dichloropropene	7.79	75	454531	47.23	ug/l	99
37) Ethyl Acetate	6.93	43	298269	45.14	ug/l	99
38) Carbon Tetrachloride	7.77	117	472528	45.84	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	473684	47.65	ug/l	97
40) Benzene	8.04	78	1360623	46.39	ug/l	99
41) Methacrylonitrile	7.18	41	168936	50.99	ug/l	96
42) 1,2-Dichloroethane	8.13	62	448194	46.13	ug/l	100
43) Isopropyl Acetate	8.17	43	547556	47.43	ug/l	98
44) Trichloroethene	8.83	130	356488	46.35	ug/l	97
45) 1,2-Dichloropropane	9.12	63	370730	46.85	ug/l	99
46) Dibromomethane	9.21	93	219813	44.79	ug/l	100
47) Bromodichloromethane	9.40	83	485630	47.85	ug/l	99
48) Methyl methacrylate	9.20	41	271723	46.92	ug/l	99
49) 1,4-Dioxane	9.20	88	73268	891.80	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1542611	239.02	ug/l	100
52) Toluene	10.16	92	854564	48.84	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	490410	48.87	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	557071	50.23	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	325112	44.98	ug/l	99
56) Ethyl methacrylate	10.43	69	417763	43.34	ug/l	99
57) 1,3-Dichloropropane	10.71	76	543043	47.71	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	861301	191.13	ug/l	99
59) 2-Hexanone	10.75	43	1088855	251.18	ug/l	99
60) Dibromochloromethane	10.90	129	371938	46.92	ug/l	100
61) 1,2-Dibromoethane	11.01	107	316497	46.86	ug/l	99
64) Tetrachloroethene	10.63	164	339451	47.39	ug/l	99
65) Chlorobenzene	11.44	112	956486	47.76	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	367404	47.36	ug/l	99
67) Ethyl Benzene	11.51	91	1645362	50.65	ug/l	100
68) m/p-Xylenes	11.62	106	1269872	103.26	ug/l	100
69) o-Xylene	11.95	106	604325	51.16	ug/l	98
70) Styrene	11.97	104	1032076	53.94	ug/l	99
71) Bromoform	12.13	173	266621	48.05	ug/l #	98
73) Isopropylbenzene	12.25	105	1650854	49.25	ug/l	100
74) N-amyl acetate	12.07	43	474073	46.47	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	427912	42.61	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	361264m	43.64	ug/l	
77) Bromobenzene	12.53	156	425879	46.01	ug/l	98
78) n-propylbenzene	12.59	91	1930271	50.65	ug/l	99
79) 2-Chlorotoluene	12.68	91	1136719	48.58	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1379723	51.36	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	123292	46.57	ug/l	99
82) 4-Chlorotoluene	12.77	91	1173395	49.99	ug/l	100
83) tert-Butylbenzene	12.99	119	1178989	49.97	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1421967	52.25	ug/l	99
85) sec-Butylbenzene	13.17	105	1609659	51.63	ug/l	100
86) p-Isopropyltoluene	13.29	119	1408742	53.00	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	772874	47.92	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	759847	47.00	ug/l	99
89) n-Butylbenzene	13.62	91	1184551	53.98	ug/l	100
90) Hexachloroethane	13.88	117	264415	44.32	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	752566	47.46	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	65239	42.05	ug/l	98

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QLast Update : Thu Jul 19 01:58:39 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	399789	46.02	ug/l	99
94) Hexachlorobutadiene	15.01	225	245173	47.18	ug/l	99
95) Naphthalene	15.14	128	858503	41.88	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	398710	52.41	ug/l	100

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

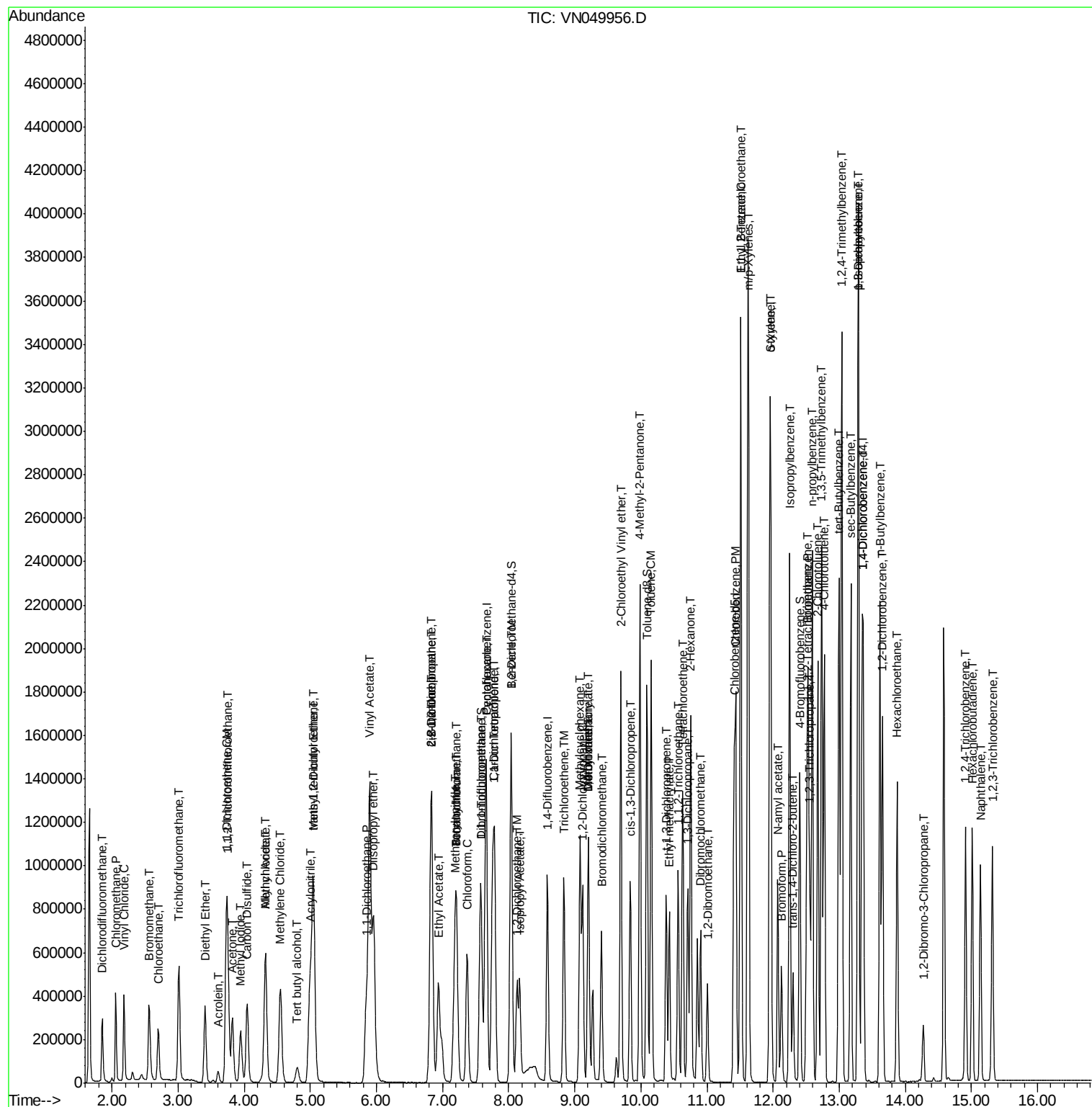
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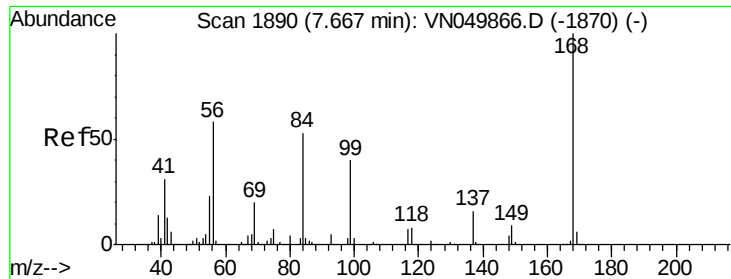
Instrument :
 MSVOA_N
 ClientSampleId :
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 606947

Ion Ratio Lower Upper

168 100

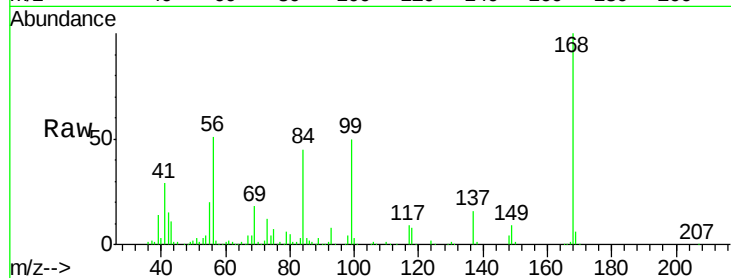
99 50.2 40.6 61.0

Manual Integrations

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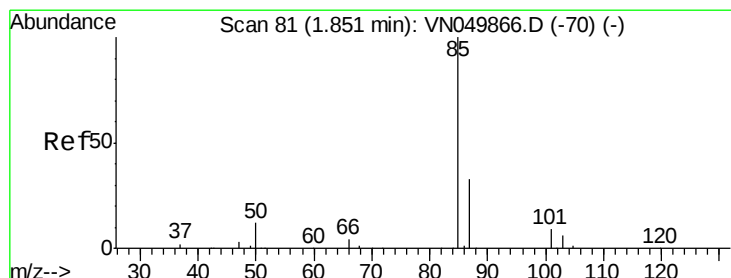
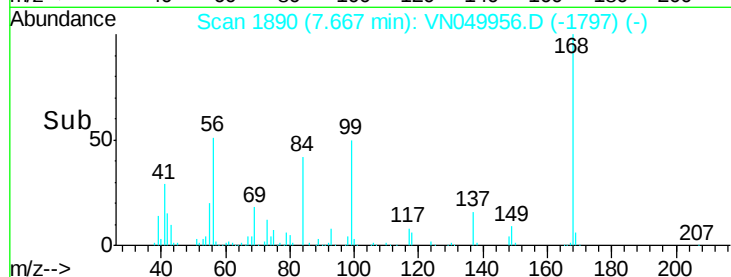
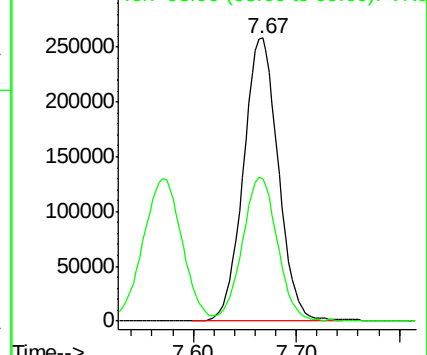
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 45.20 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049956.D

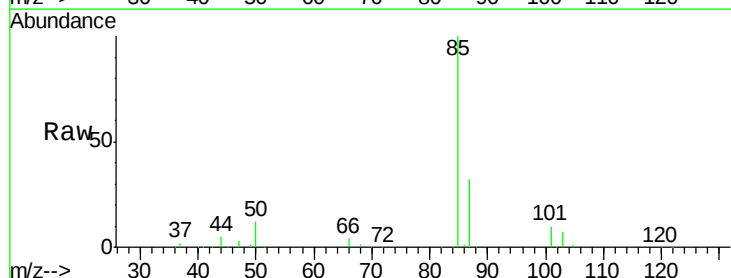
Acq: 20 Jul 2018 12:15

Tgt Ion: 85 Resp: 251114

Ion Ratio Lower Upper

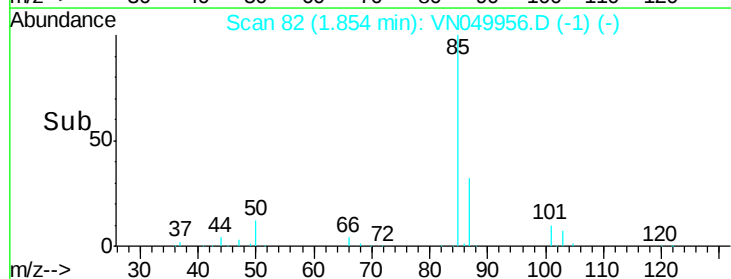
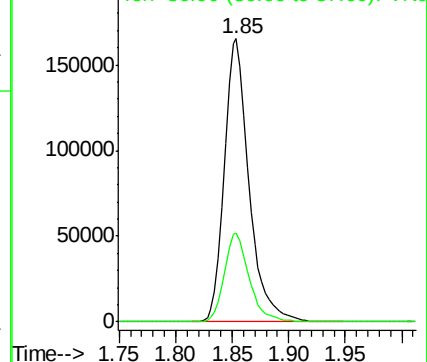
85 100

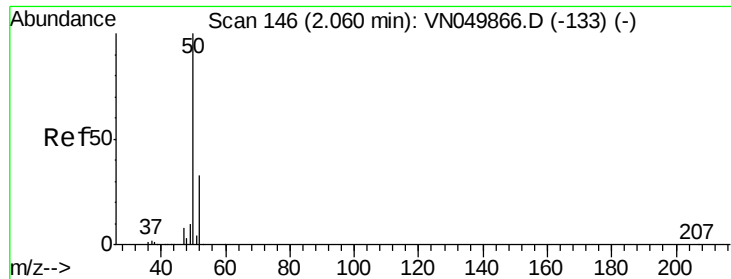
87 31.5 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 39.46 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 326903

Ion Ratio Lower Upper

50 100

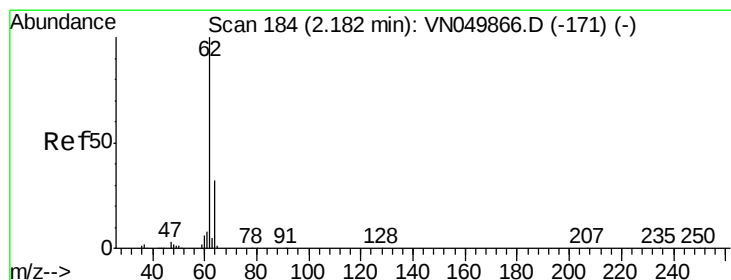
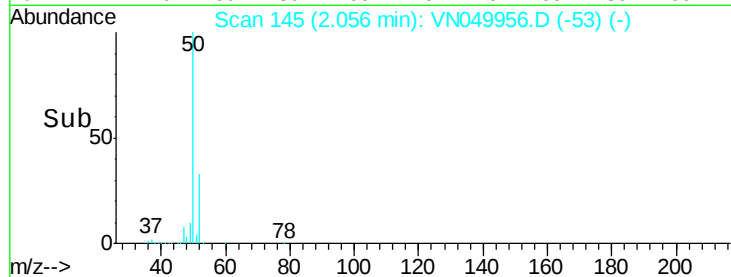
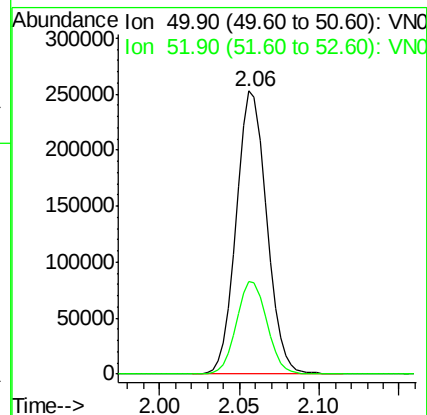
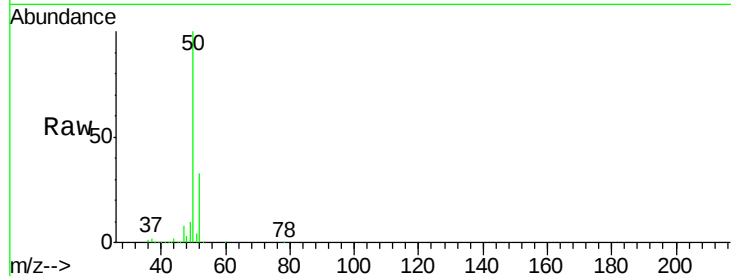
52 32.7 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 40.49 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN049956.D

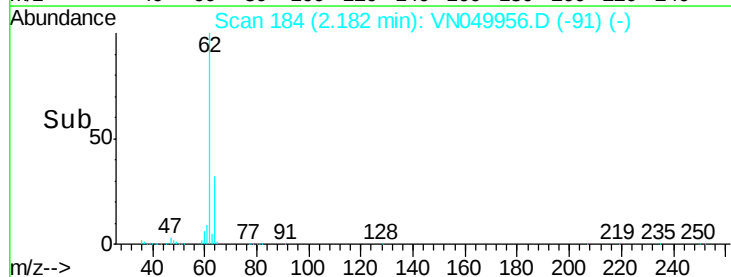
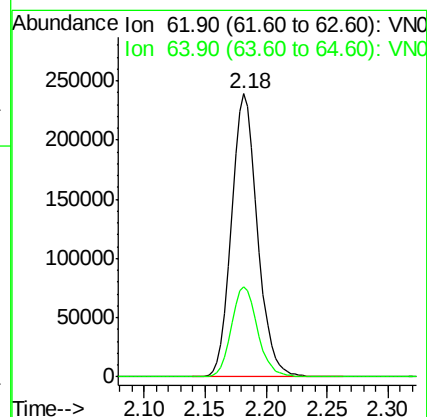
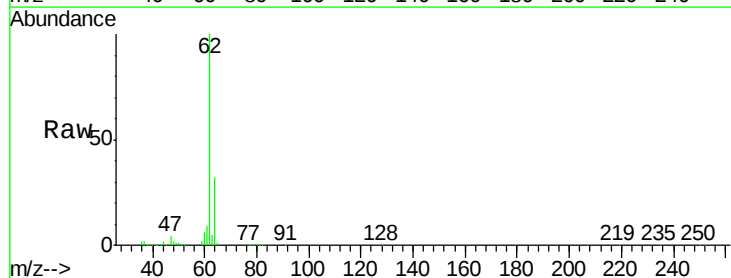
Acq: 20 Jul 2018 12:15

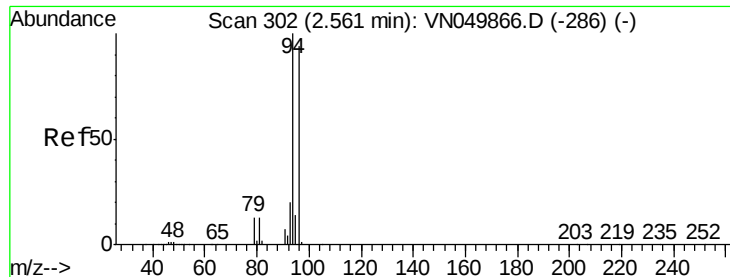
Tgt Ion: 62 Resp: 357788

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.0





#5

Bromomethane

Concen: 53.81 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 265131

Ion Ratio Lower Upper

94 100

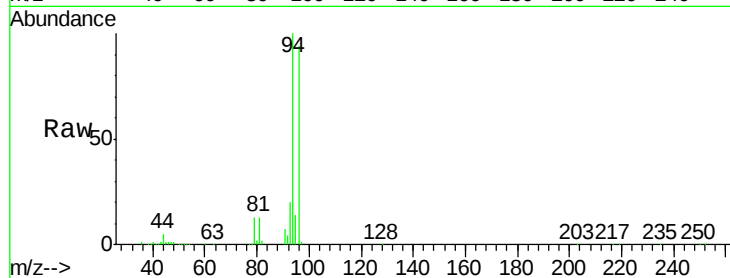
96 93.7 75.7 113.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN049956.D (-209) (-)

Ion 95.90 (95.60 to 96.60): VN049956.D (-209) (-)

2.56

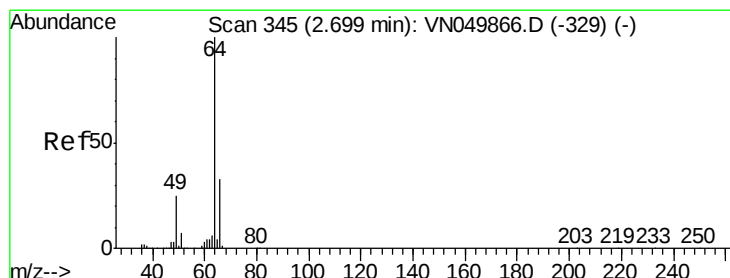
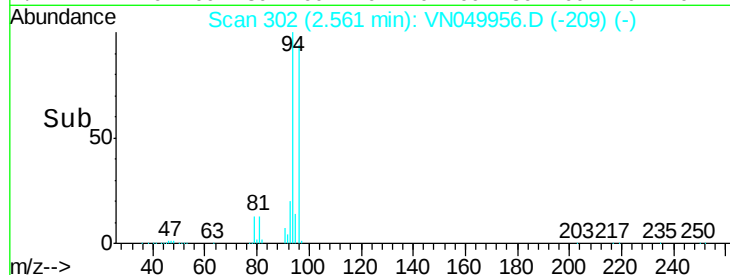
150000

100000

50000

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Time-->



#6

Chloroethane

Concen: 40.36 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN049956.D

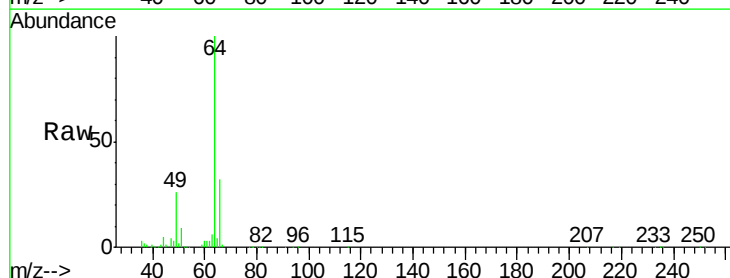
Acq: 20 Jul 2018 12:15

Tgt Ion: 64 Resp: 232931

Ion Ratio Lower Upper

64 100

66 32.3 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN049956.D (-252) (-)

Ion 65.90 (65.60 to 66.60): VN049956.D (-252) (-)

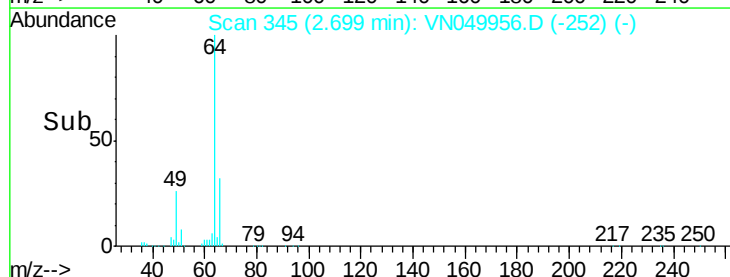
2.70

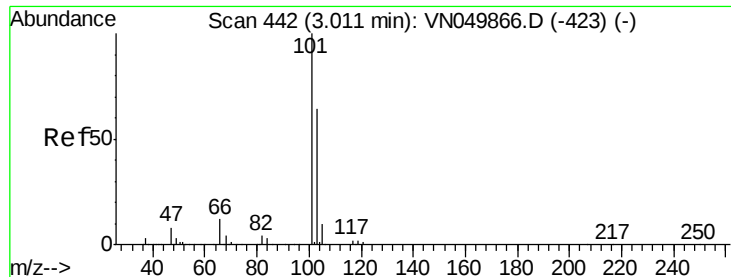
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50000

0

Time-->





#7

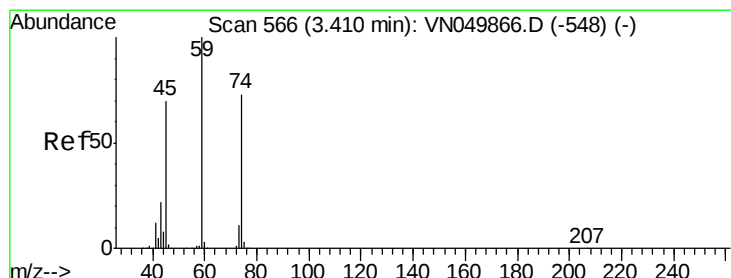
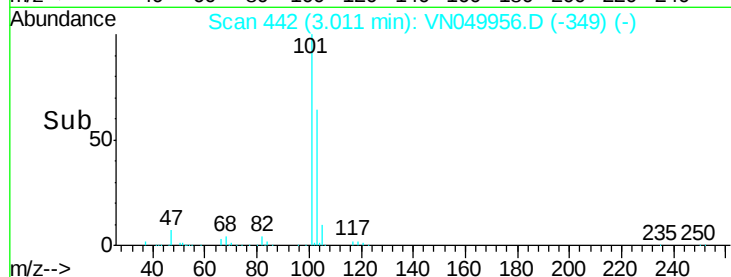
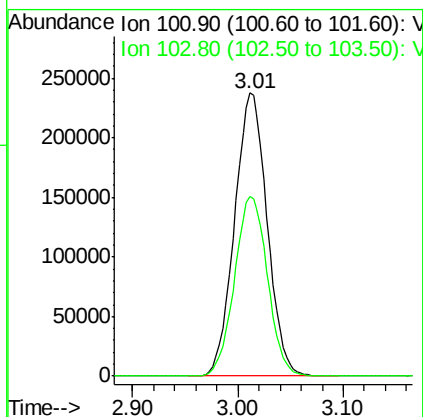
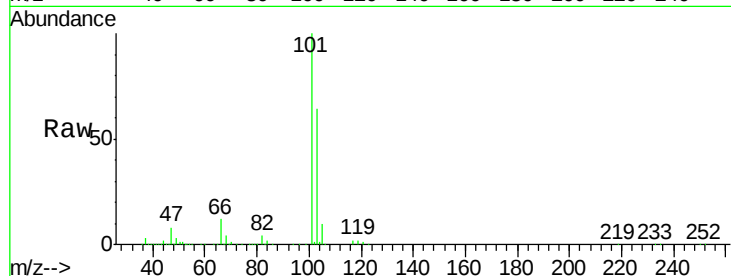
Trichlorofluoromethane
 Concen: 41.95 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.8	79.2

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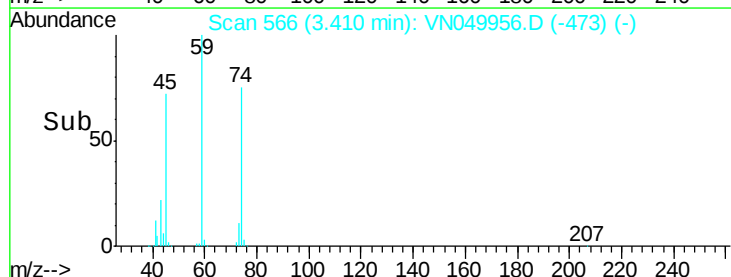
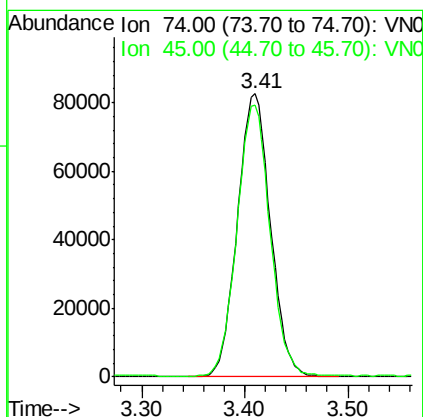
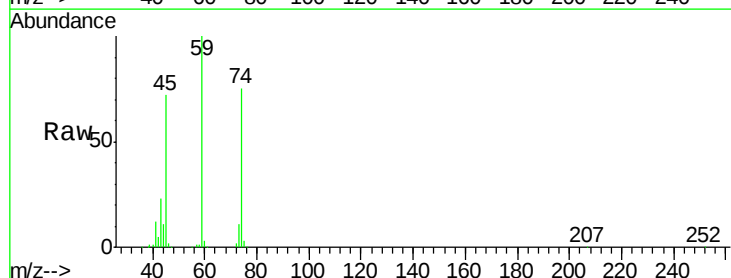
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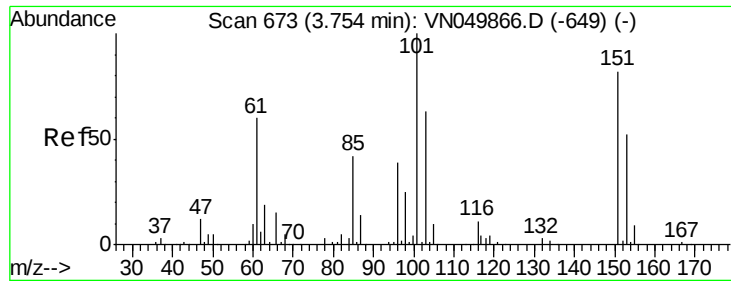


#8

Diethyl Ether
 Concen: 43.45 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.9	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.26 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_N

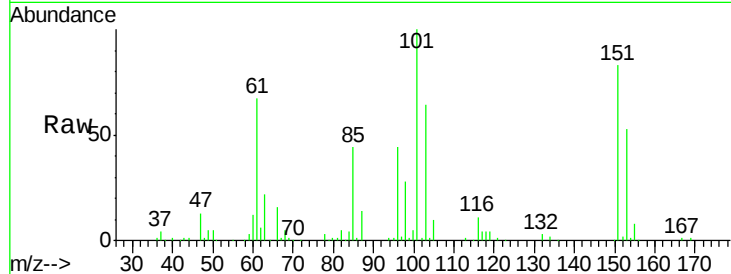
ClientSampleId :

VSTDCCC050

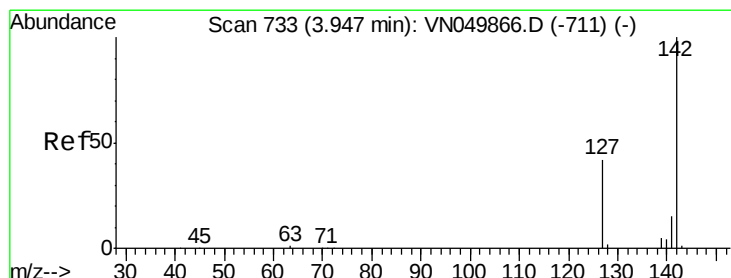
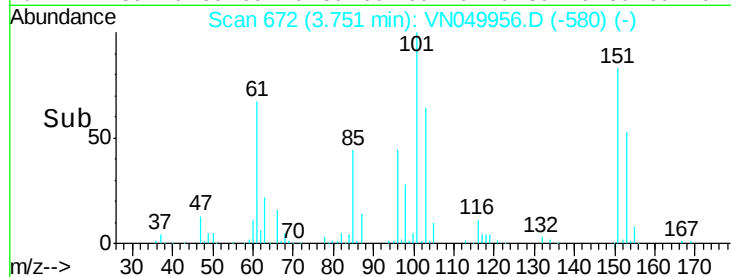
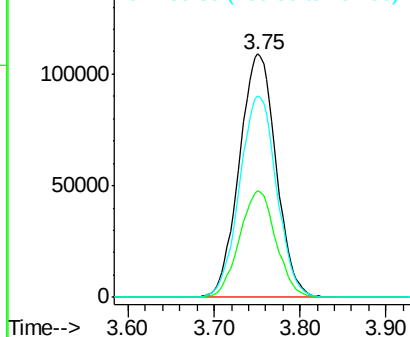
Tot Ion:	101	Resp:	324046
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.4	51.6
151	83.3	66.2	99.4

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 39.51 ug/l

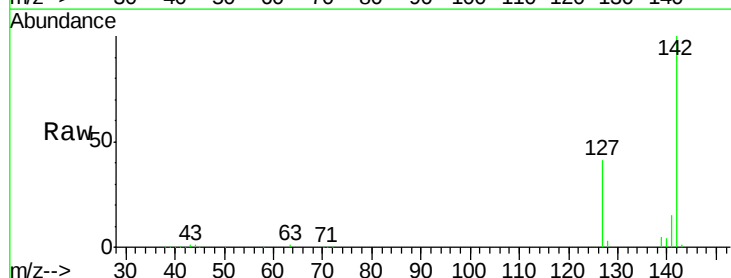
RT: 3.95 min Scan# 733

Delta R.T. 0.00 min

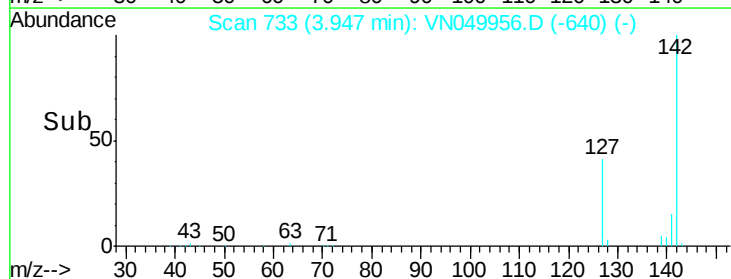
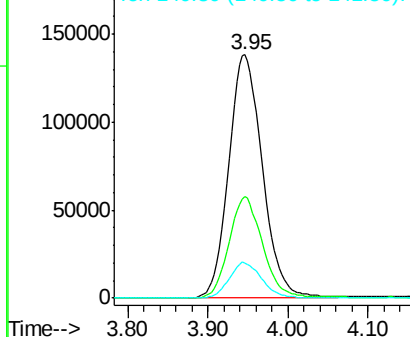
Lab File: VN049956.D

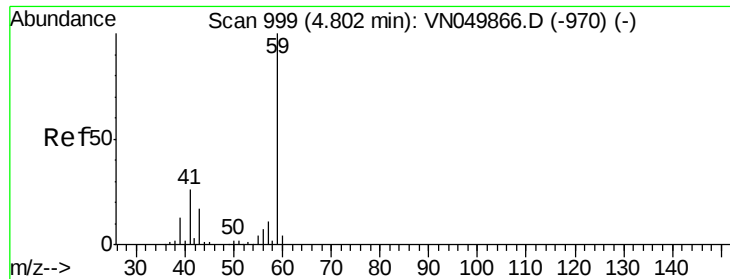
Acq: 20 Jul 2018 12:15

Tgt Ion:	142	Resp:	396970
Ion Ratio	Lower	Upper	
142	100		
127	41.2	32.5	48.7
141	14.1	11.1	16.7



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





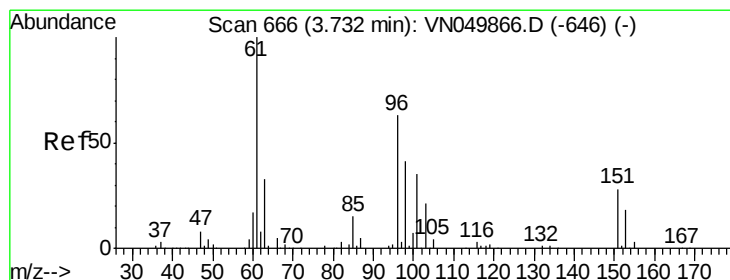
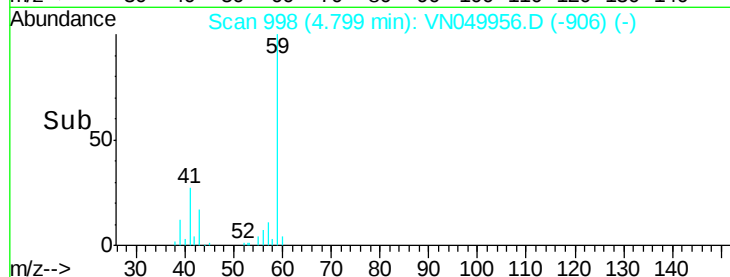
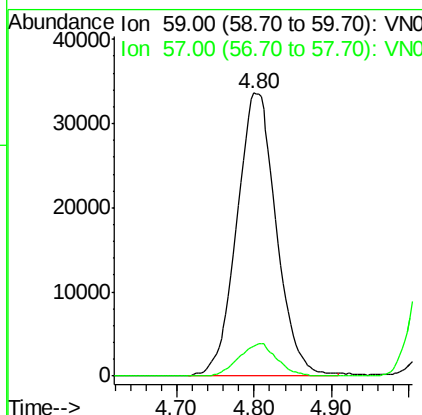
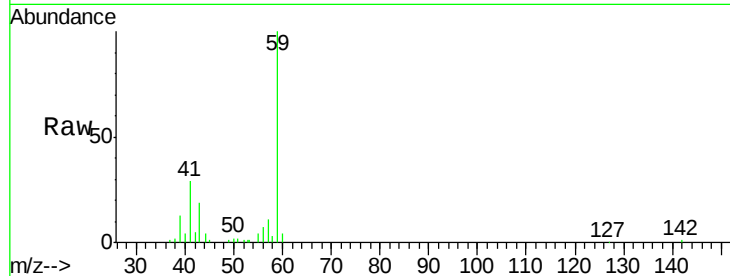
#11
Tert butyl alcohol
Concen: 201.26 ug/l
RT: 4.80 min Scan# 998
Delta R.T. -0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.5	12.7

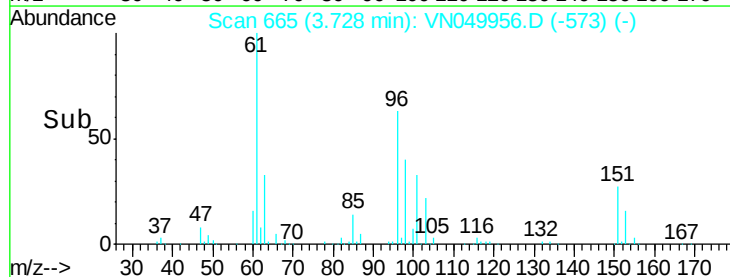
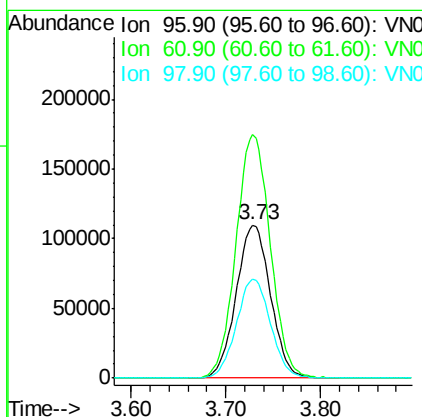
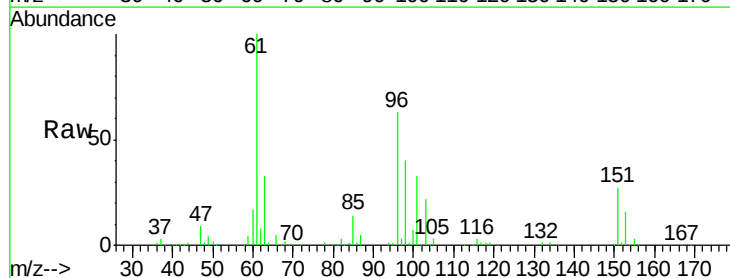
Manual Integrations
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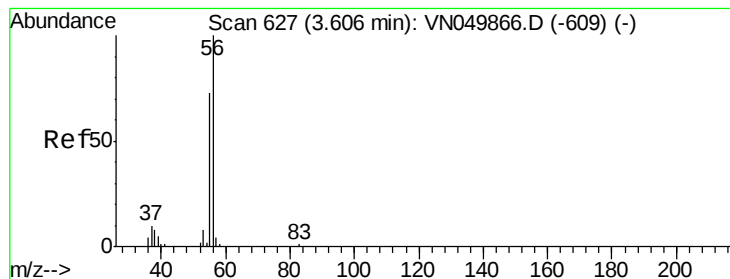
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#12
1,1-Dichloroethene
Concen: 42.15 ug/l
RT: 3.73 min Scan# 665
Delta R.T. -0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.9	126.5	189.7
98	64.2	51.0	76.6





#13

Acrolein

Concen: 149.80 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 57368

Ion Ratio Lower Upper

56 100

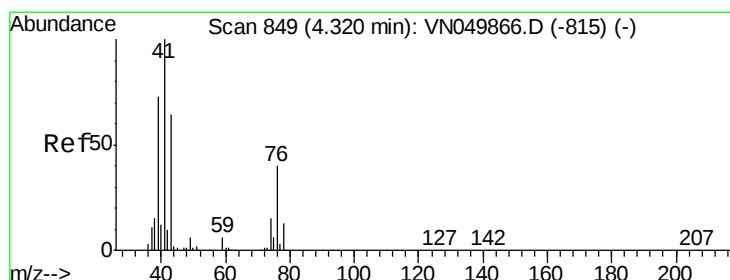
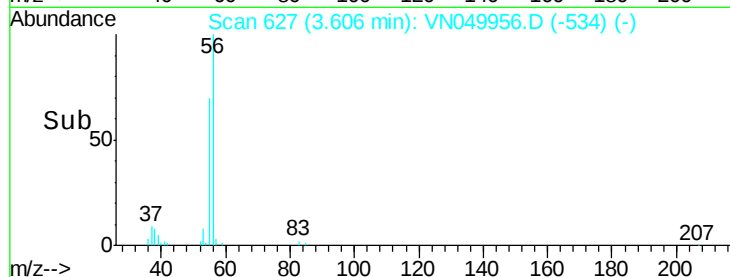
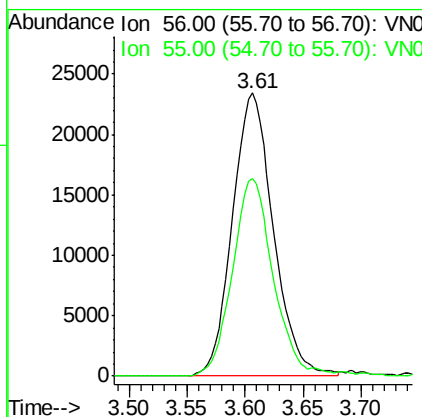
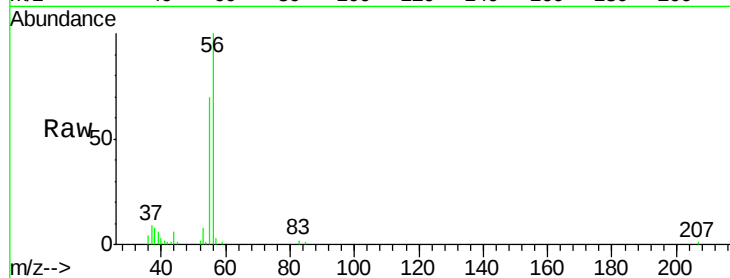
55 69.3 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 44.34 ug/l

RT: 4.32 min Scan# 849

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

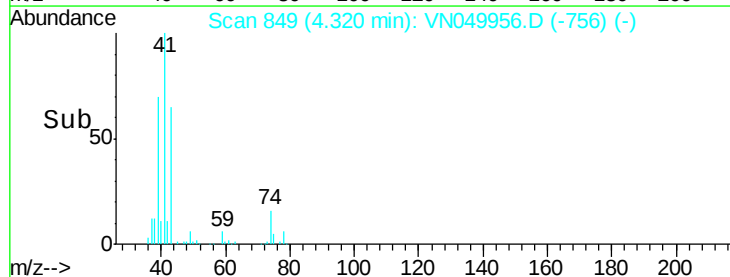
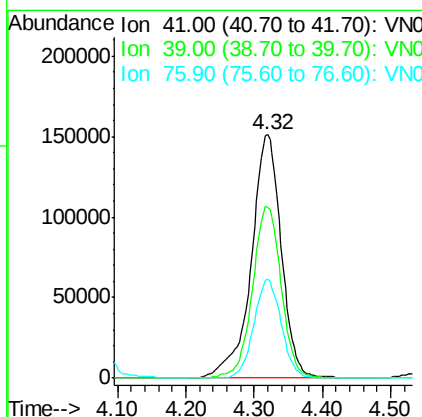
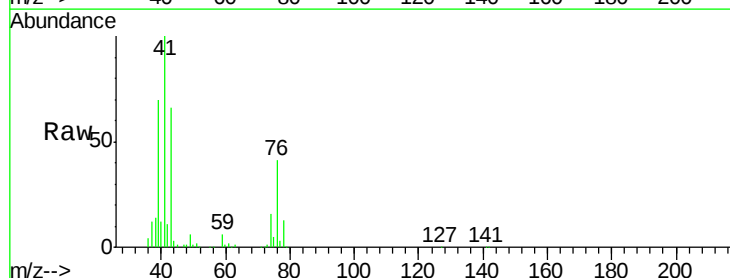
Tgt Ion: 41 Resp: 459912

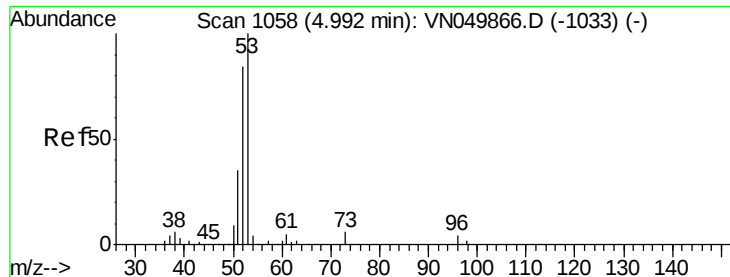
Ion Ratio Lower Upper

41 100

39 67.7 53.2 79.8

76 36.8 29.0 43.6





#15

Acrylonitrile

Concen: 219.54 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_N

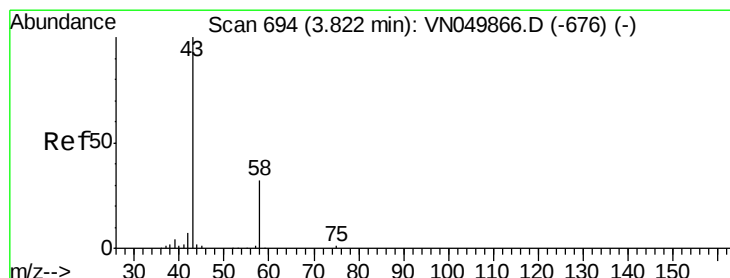
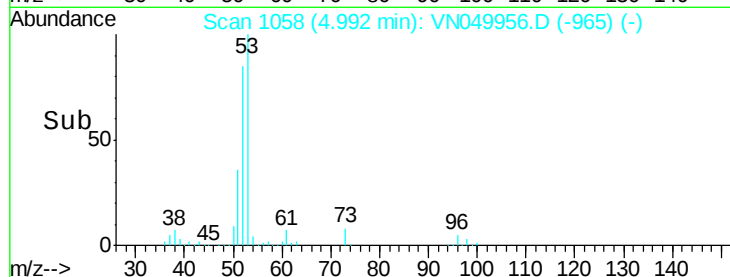
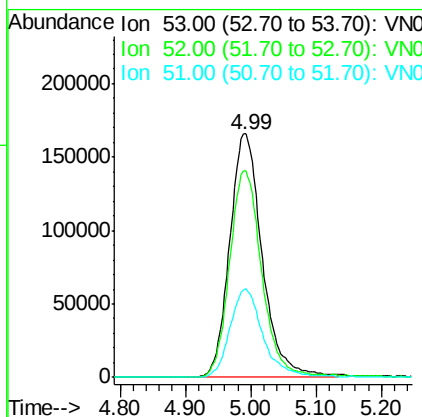
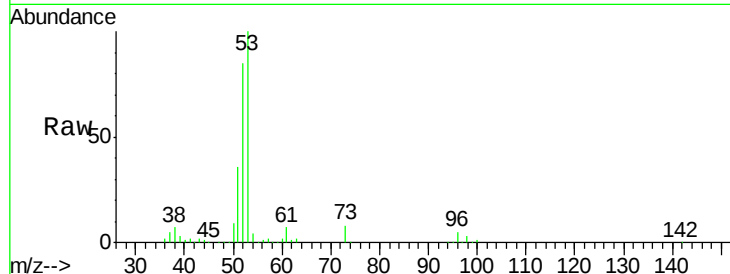
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	573823
Ion	Ratio	Lower	Upper
53	100		
52	83.3	64.8	97.2
51	36.6	28.9	43.3

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#16

Acetone

Concen: 220.05 ug/l

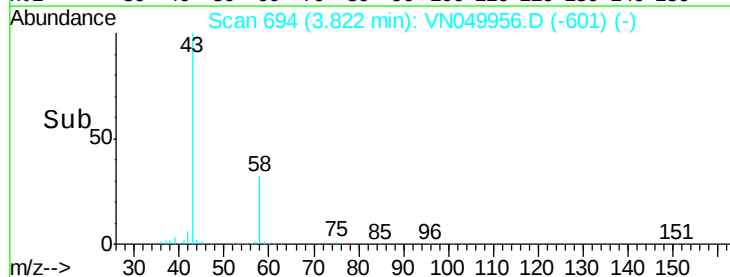
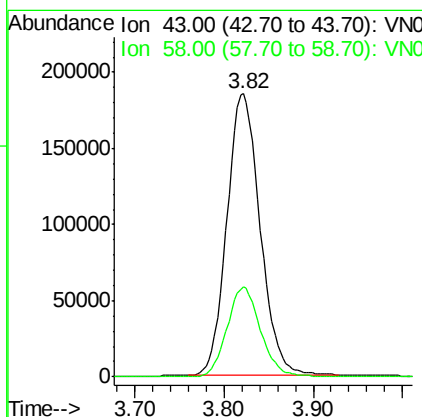
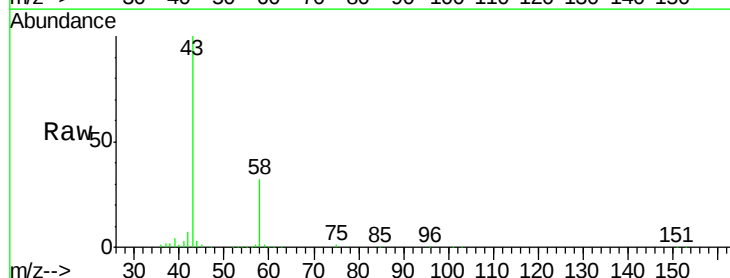
RT: 3.82 min Scan# 694

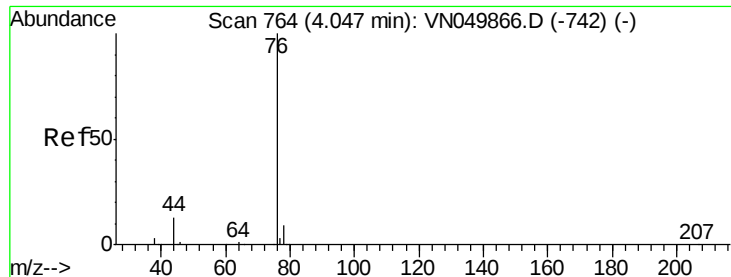
Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Tgt Ion:	43	Resp:	475264
Ion	Ratio	Lower	Upper
43	100		
58	31.7	25.9	38.9





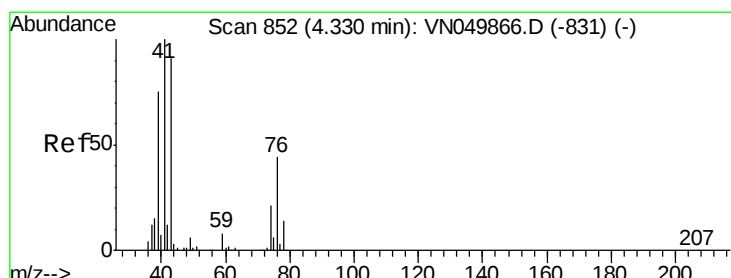
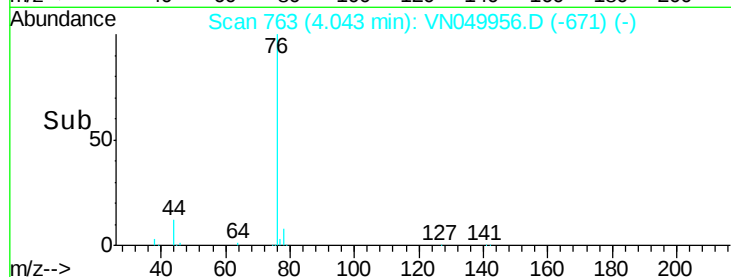
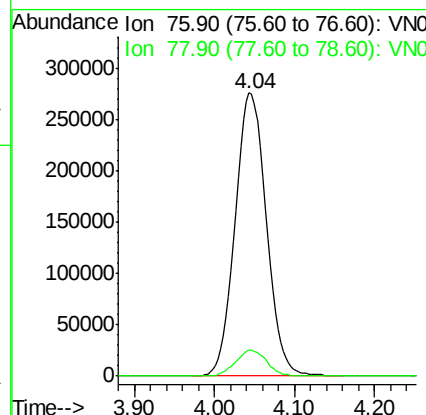
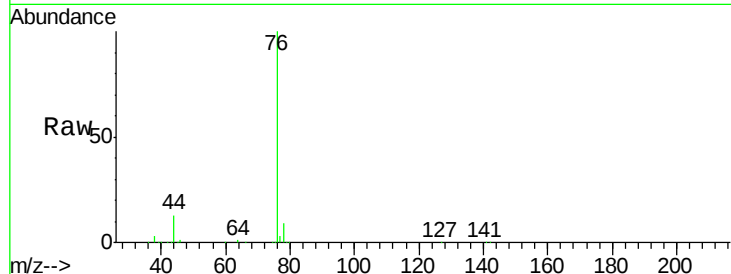
#17
Carbon Disulfide
Concen: 37.12 ug/l
RT: 4.04 min Scan# 763
Delta R.T. -0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

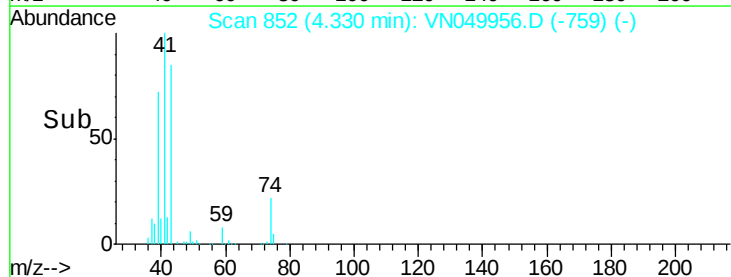
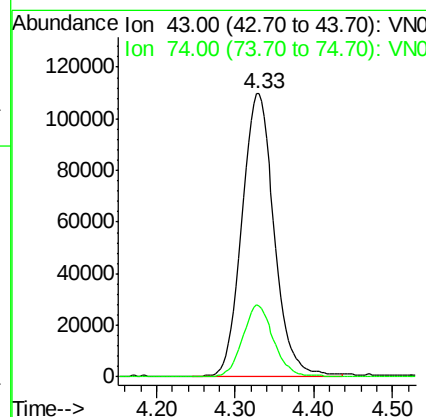
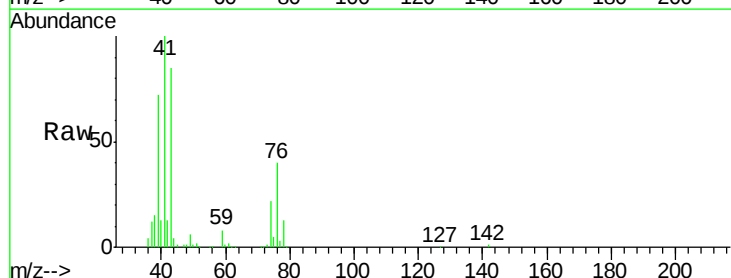
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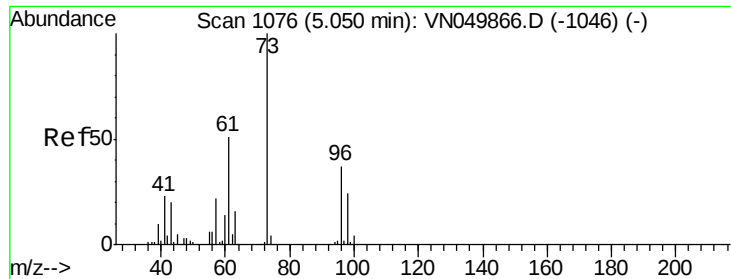
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#18
Methyl Acetate
Concen: 46.36 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.8	29.8





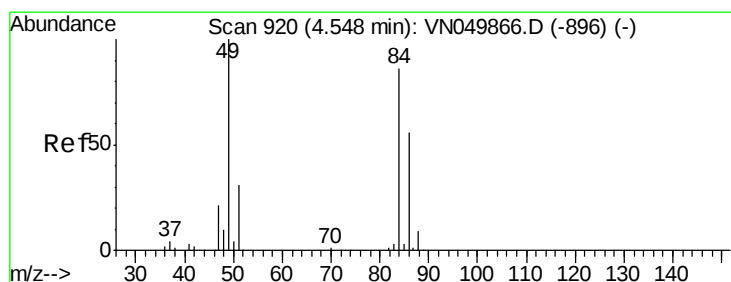
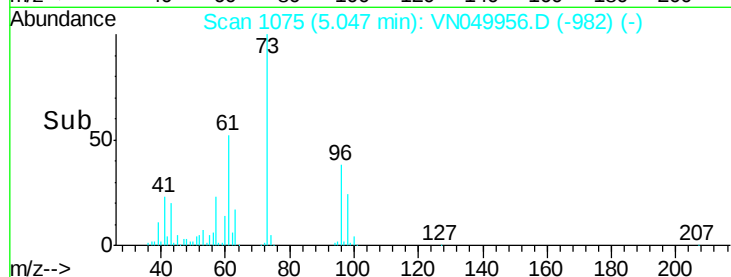
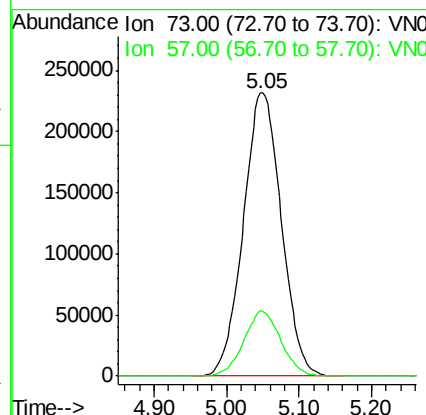
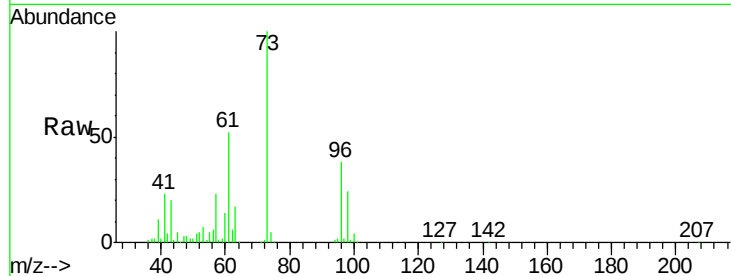
#19
Methvl tert-butvl Ether
Concen: 46.69 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 845418
Ion Ratio Lower Upper
73 100
57 23.3 18.1 27.1

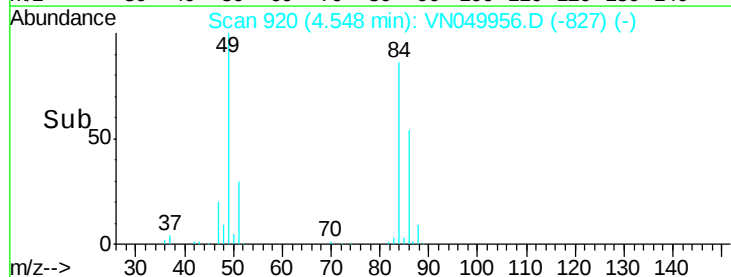
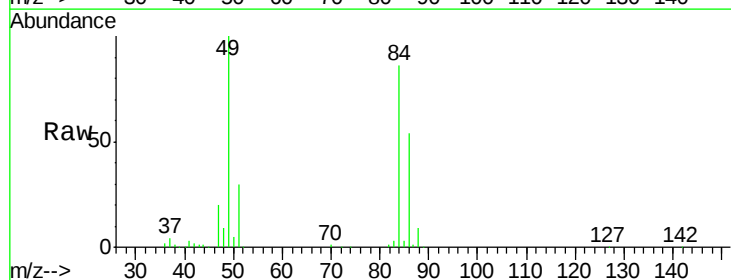
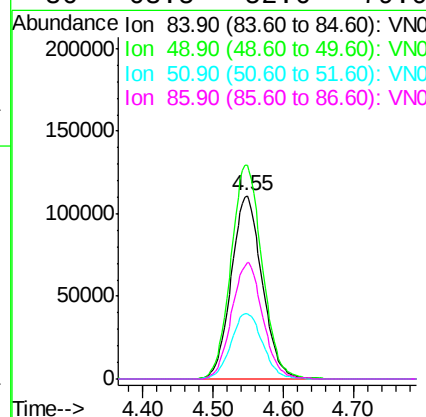
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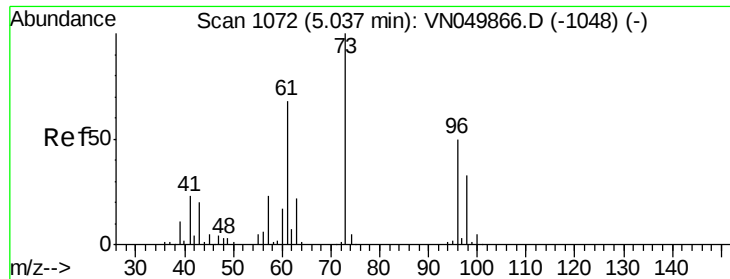
MMDadoda
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#20
Methylene Chloride
Concen: 41.38 ug/l
RT: 4.55 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Tgt Ion: 84 Resp: 339884
Ion Ratio Lower Upper
84 100
49 116.4 95.4 143.2
51 35.5 28.4 42.6
86 63.5 52.6 79.0





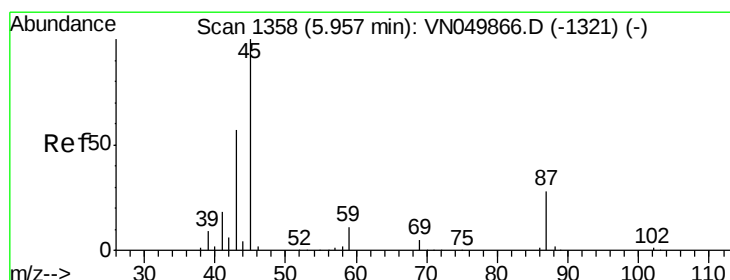
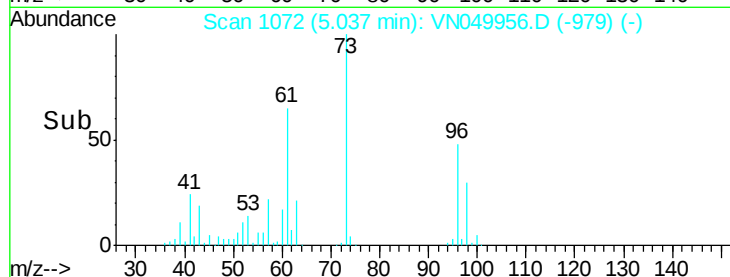
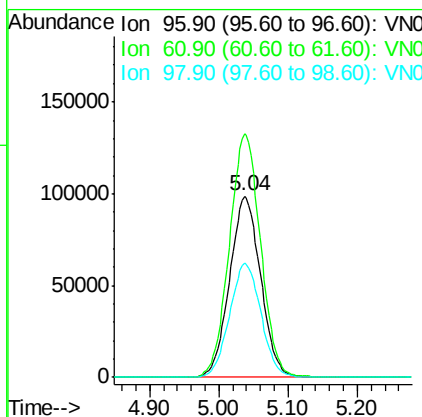
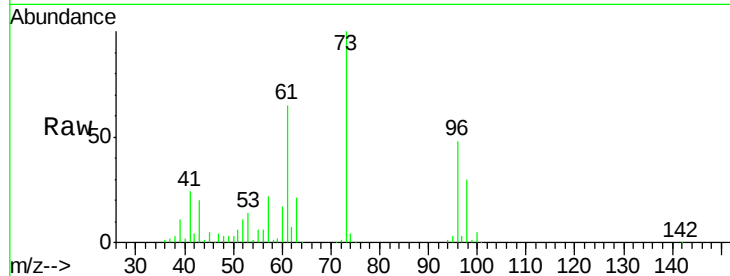
#21
trans-1,2-Dichloroethene
Concen: 44.12 ug/l
RT: 5.04 min Scan# 1072
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.6	109.0	163.6
98	63.1	51.1	76.7

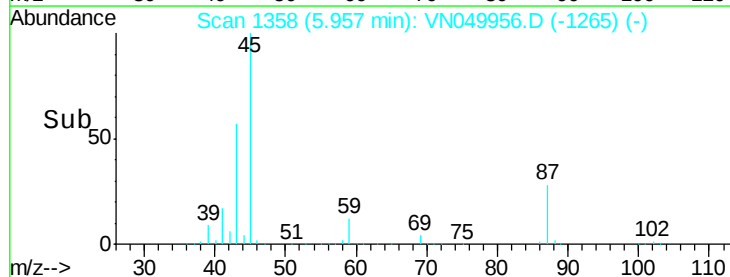
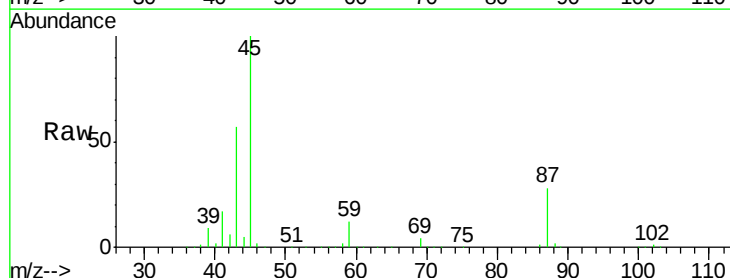
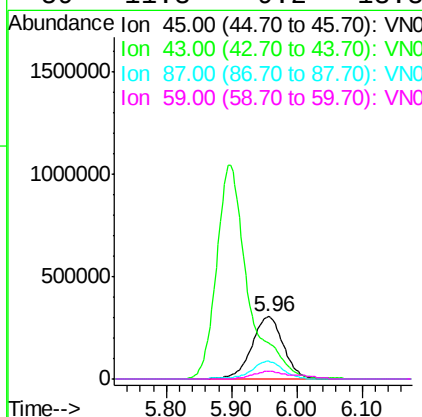
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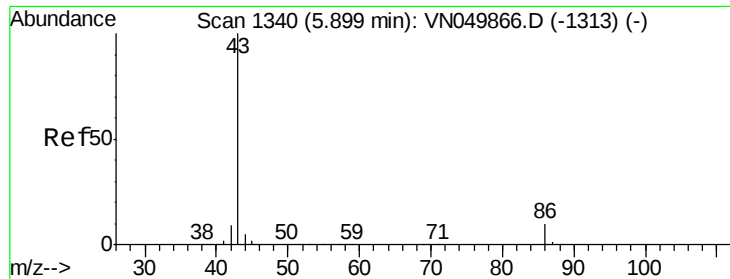
MMDadoda
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#22
Diisopropyl ether
Concen: 48.70 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.3	48.1	72.1
87	27.7	22.6	34.0
59	11.3	9.2	13.8





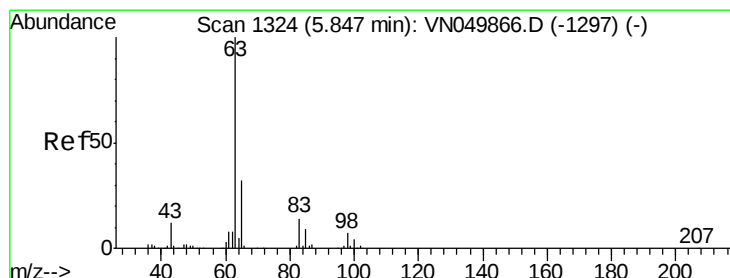
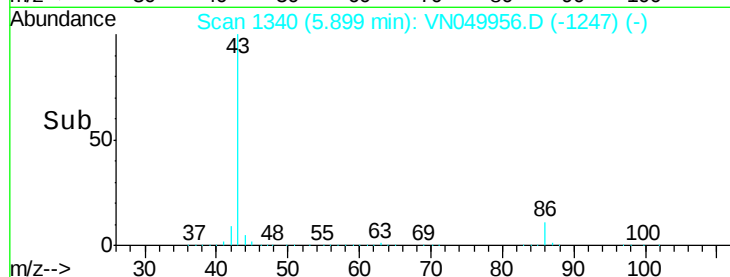
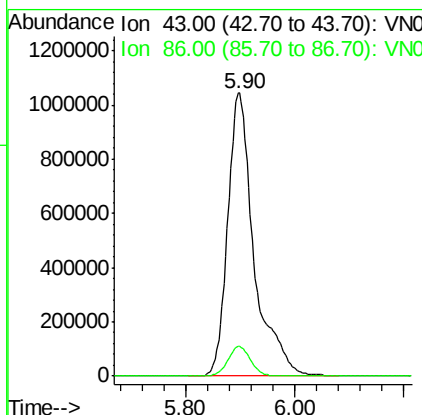
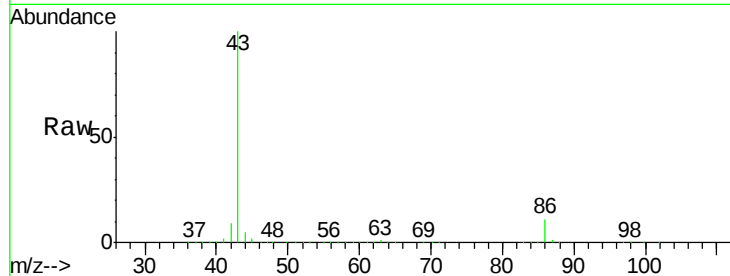
#23
 Vinyl Acetate
 Concen: 235.42 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 3496474
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.4 12.6

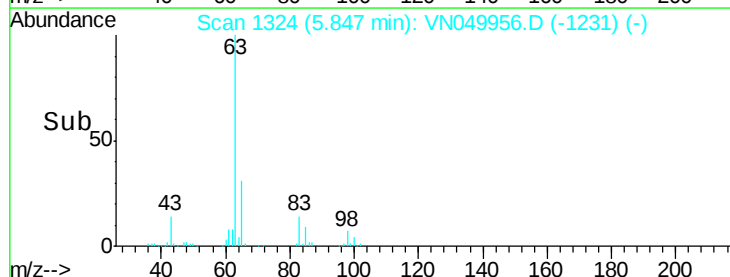
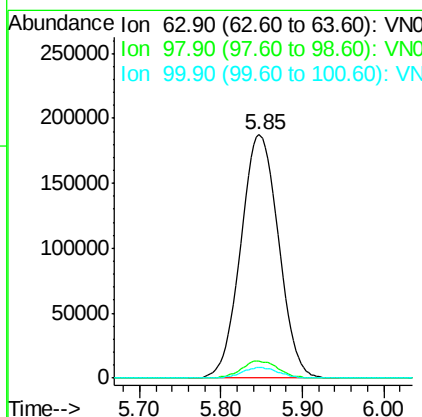
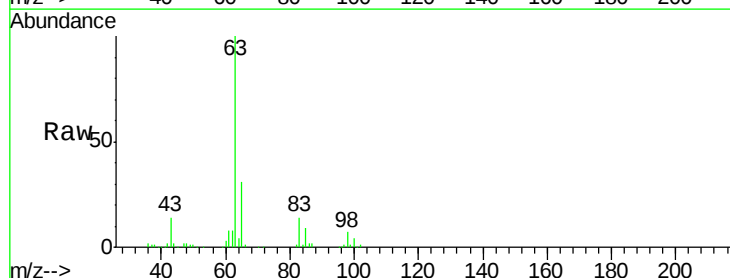
Manual Integrations
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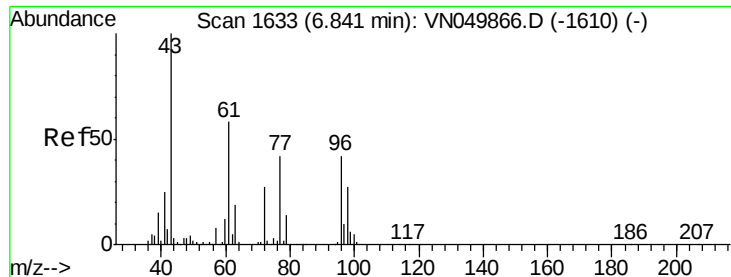
MMDadoda
 7/23/2018 2:03:54 PM



#24
 1,1-Dichloroethane
 Concen: 44.23 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Tgt Ion: 63 Resp: 600973
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.4 10.2
 100 4.2 2.2 6.6





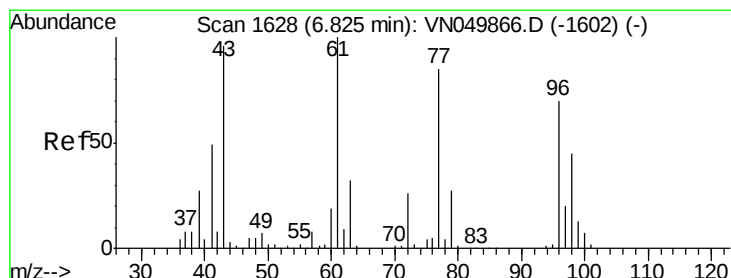
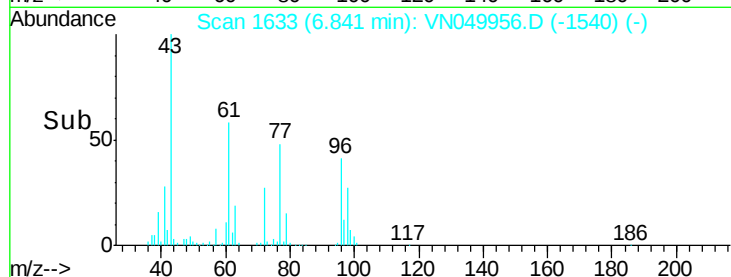
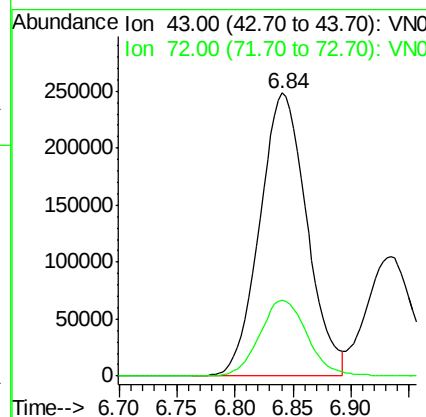
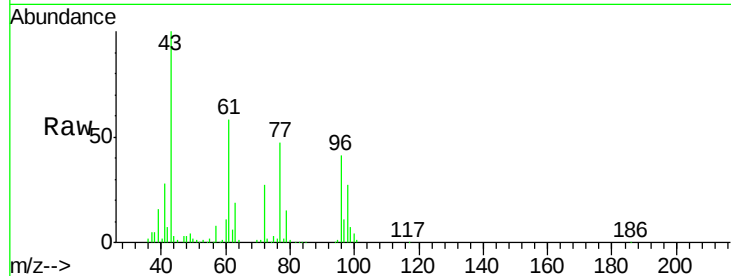
#25
2-Butanone
Concen: 225.98 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 697556
Ion Ratio Lower Upper
43 100
72 26.7 22.1 33.1

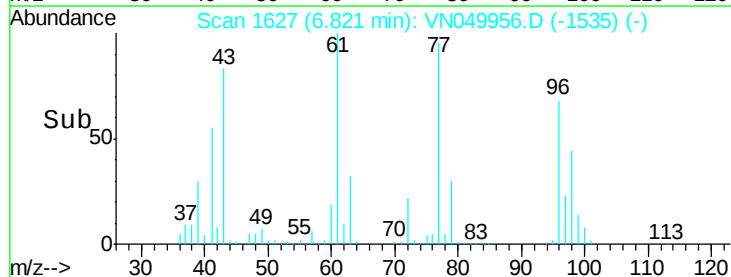
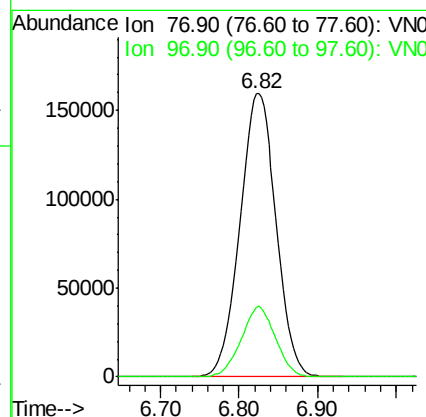
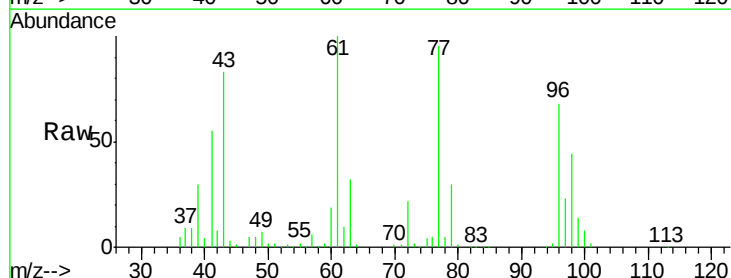
Manual Integrations
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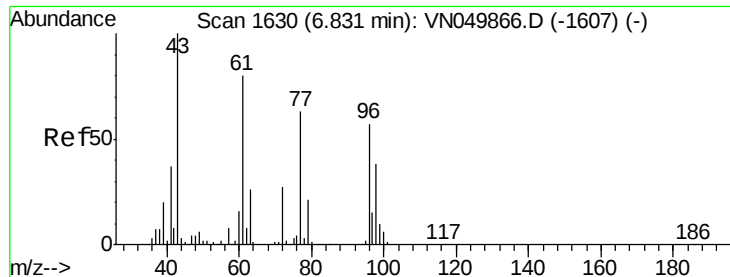
MMDadoda
7/23/2018 2:03:54 PM



#26
2,2-Dichloropropane
Concen: 48.46 ug/l
RT: 6.82 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Tgt Ion: 77 Resp: 512383
Ion Ratio Lower Upper
77 100
97 23.8 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 46.07 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_N

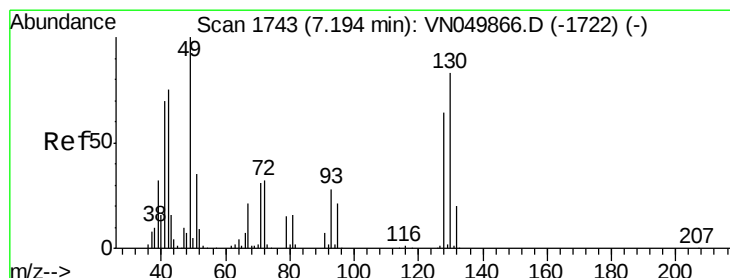
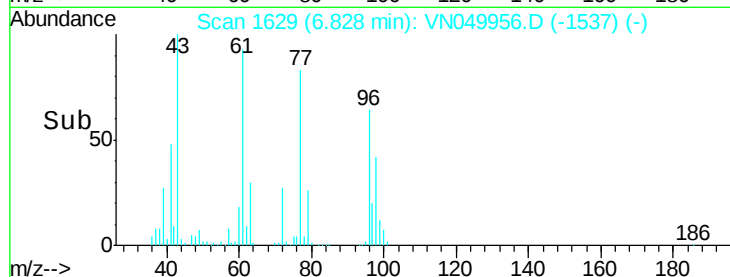
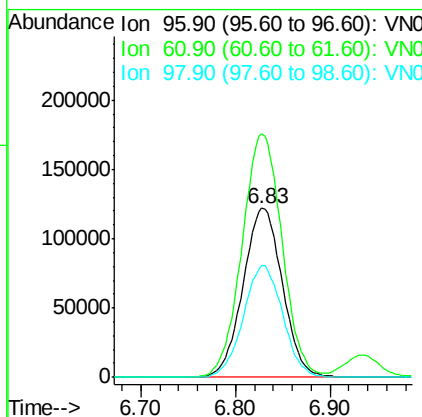
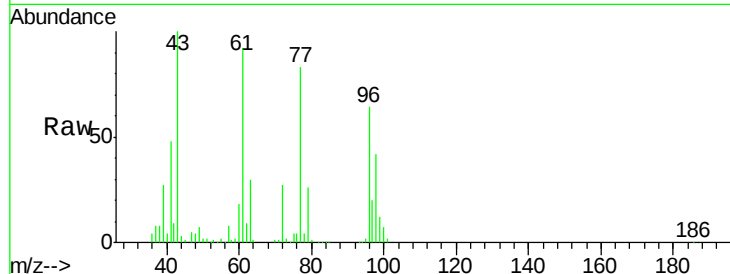
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	353247
Ion	Ratio	Lower	Upper
96	100		
61	146.4	0.0	289.0
98	65.8	0.0	130.2

Manual Integrations
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#28

Bromochloromethane

Concen: 49.60 ug/l

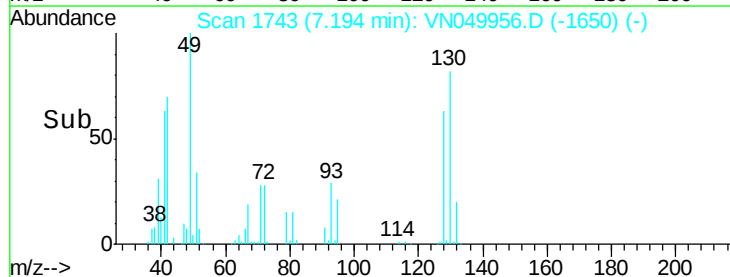
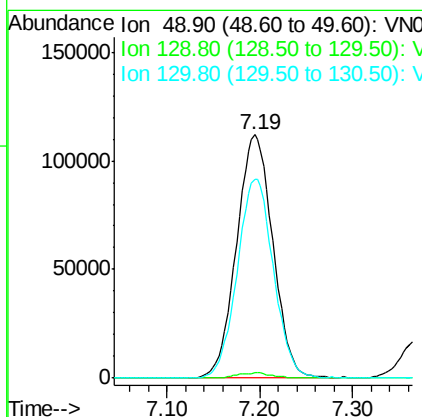
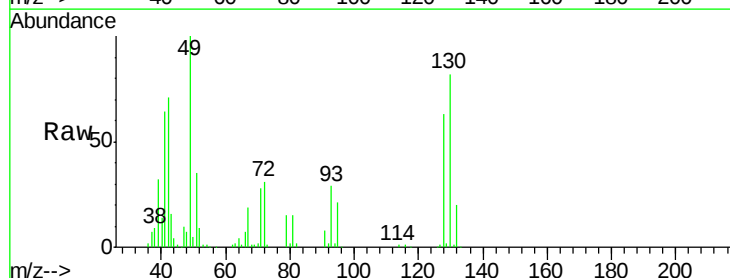
RT: 7.19 min Scan# 1743

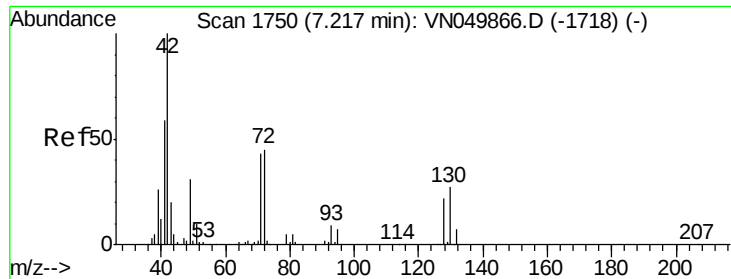
Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Tgt Ion:	49	Resp:	304426
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	81.4	65.5	98.3





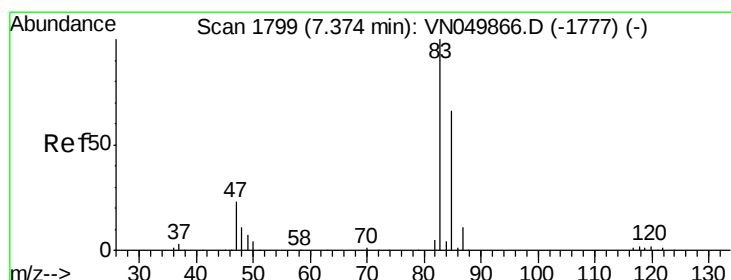
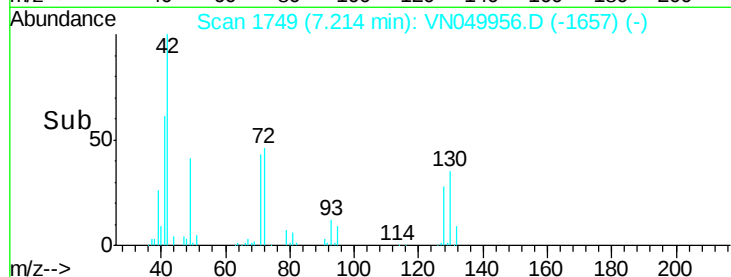
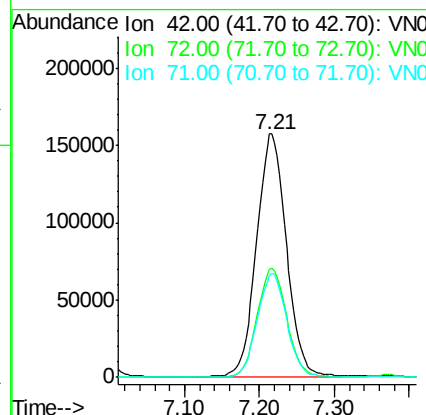
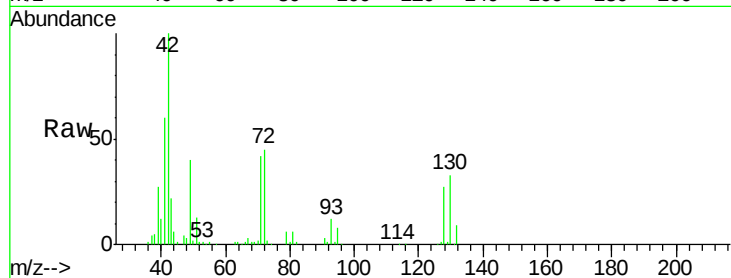
#29
Tetrahydrofuran
Concen: 225.26 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	35.6	53.4
71	42.0	34.0	51.0

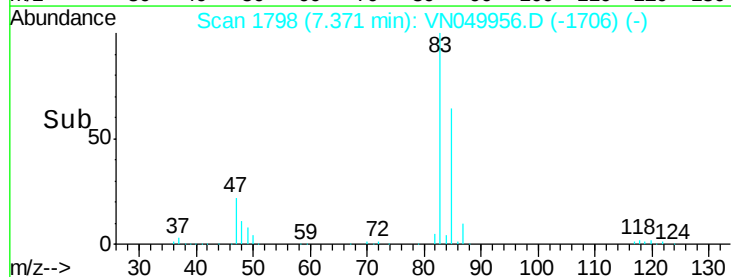
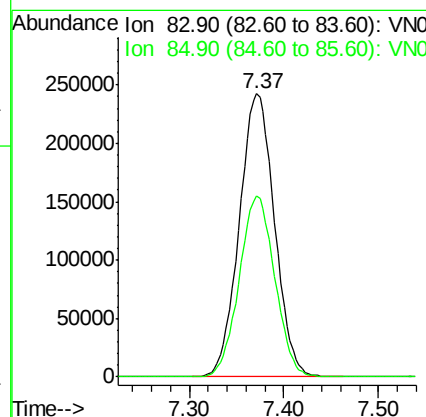
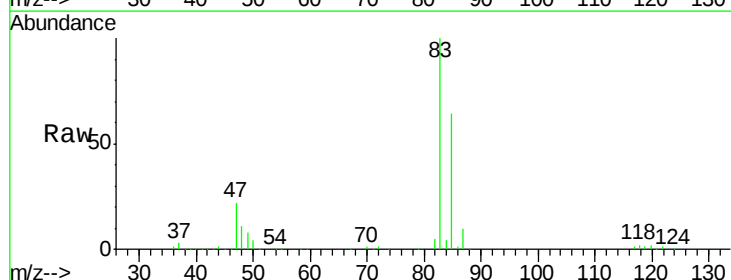
Manual Integrations
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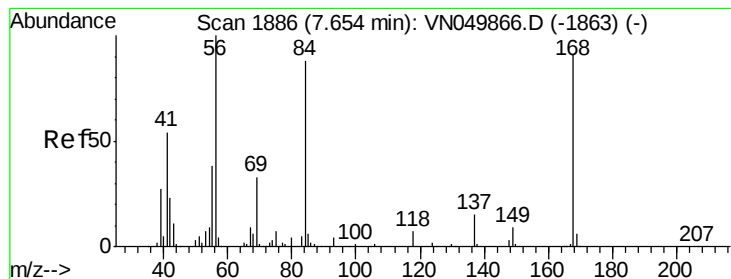
MMDadoda
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#30
Chloroform
Concen: 45.02 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.4	77.2





#31

Cyclohexane

Concen: 43.87 ug/l

RT: 7.65 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_N

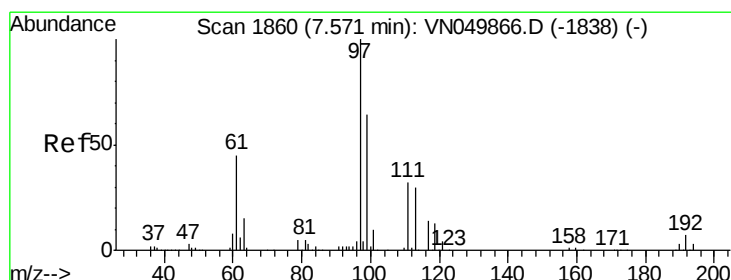
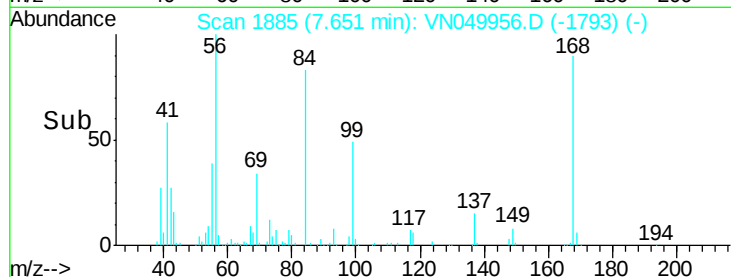
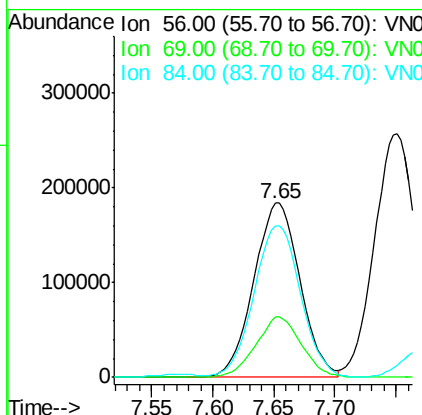
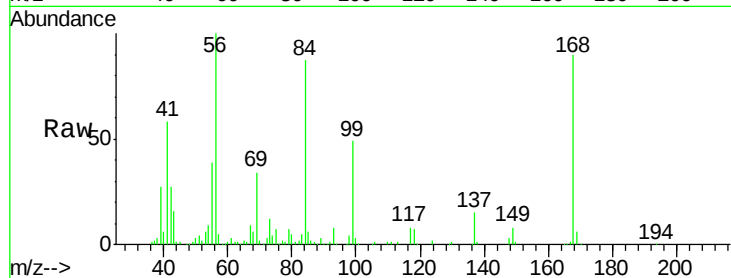
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	485180
Ion Ratio	Lower	Upper	
56	100		
69	34.4	26.6	40.0
84	85.3	69.0	103.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 44.20 ug/l

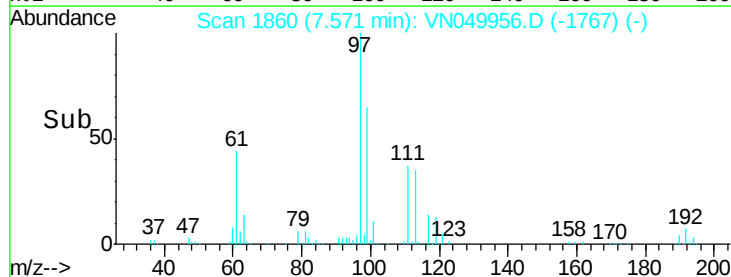
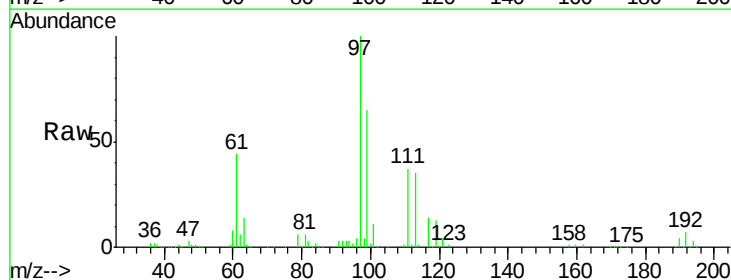
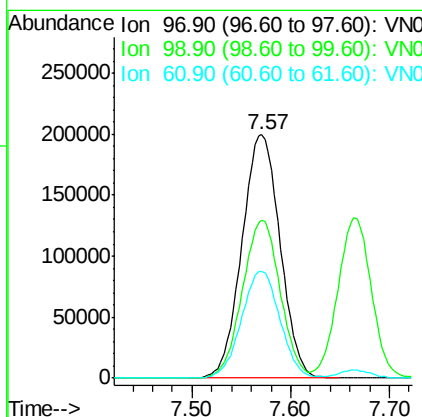
RT: 7.57 min Scan# 1860

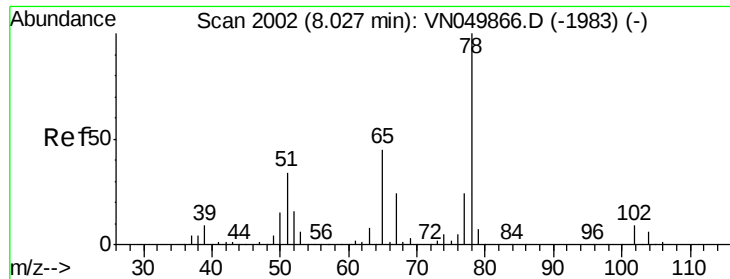
Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Tgt Ion:	97	Resp:	532944
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.0	76.4
61	44.3	35.5	53.3





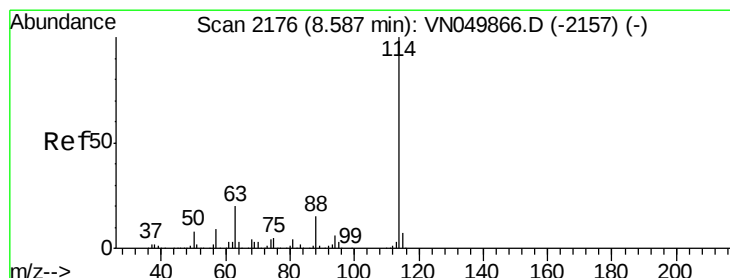
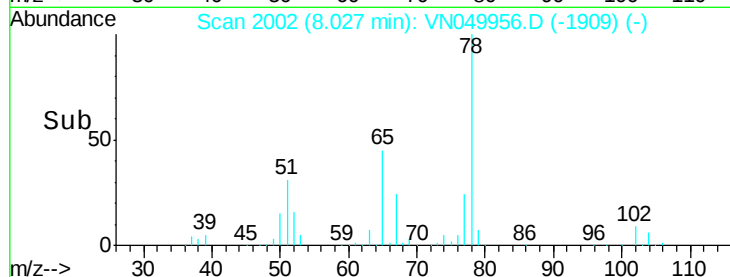
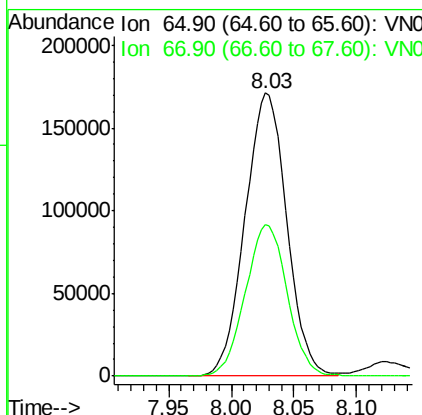
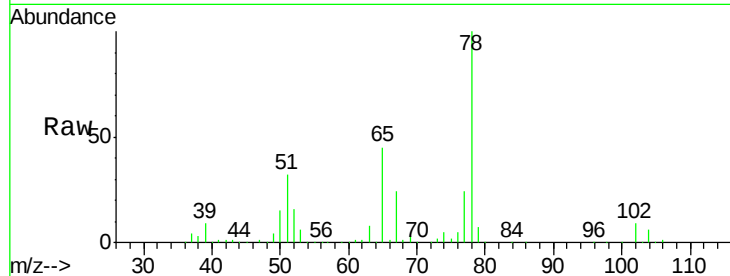
#33
 1,2-Dichloroethane-d4
 Concen: 47.52 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	396421		
67	53.8	0.0	107.2	

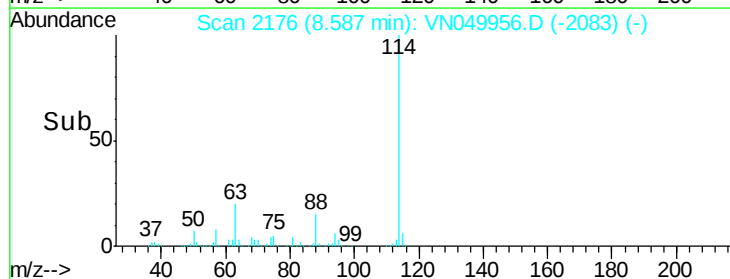
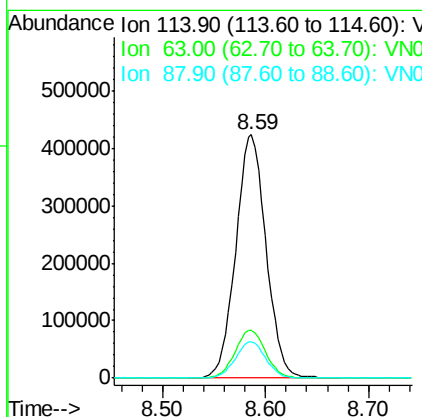
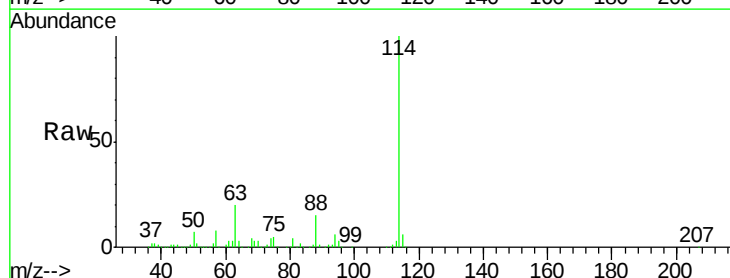
Manual Integrations
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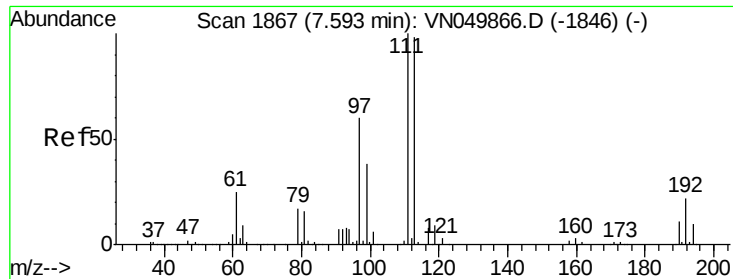
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	865535		
63	19.6	0.0	39.8	
88	15.2	0.0	30.6	





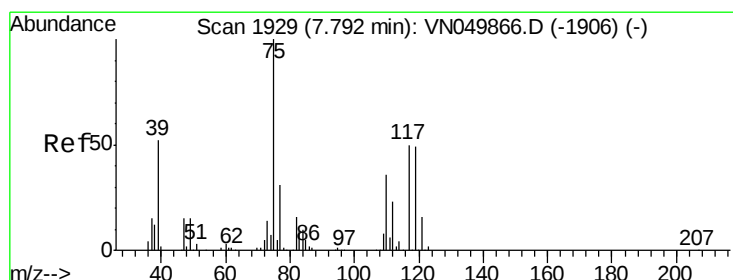
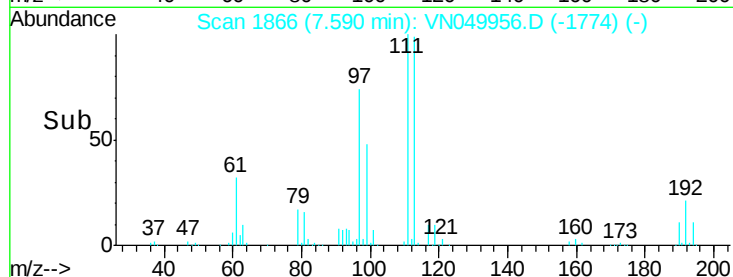
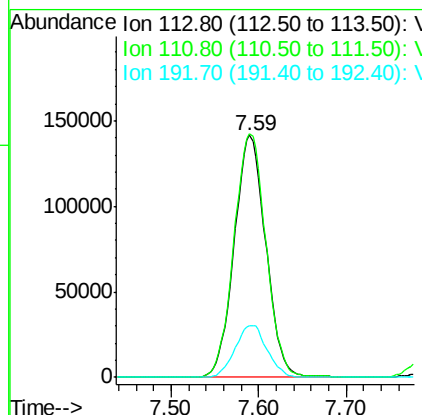
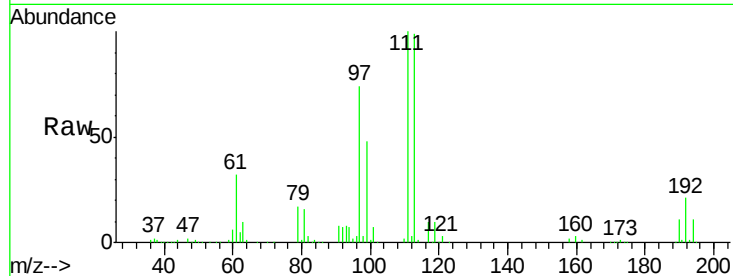
#35
 Dibromofluoromethane
 Concen: 48.71 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	353912		
111	101.7	81.8	122.8	
192	21.7	17.8	26.6	

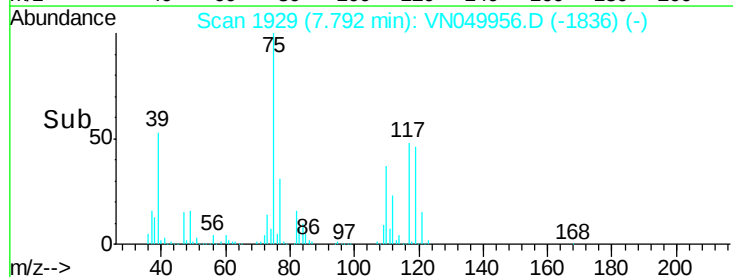
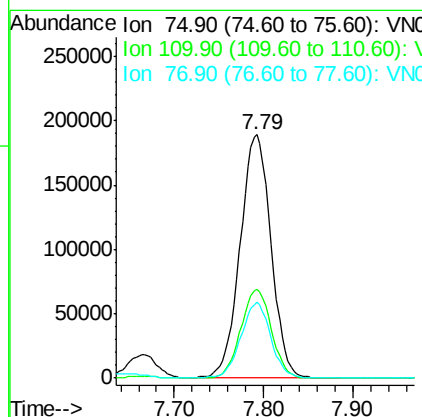
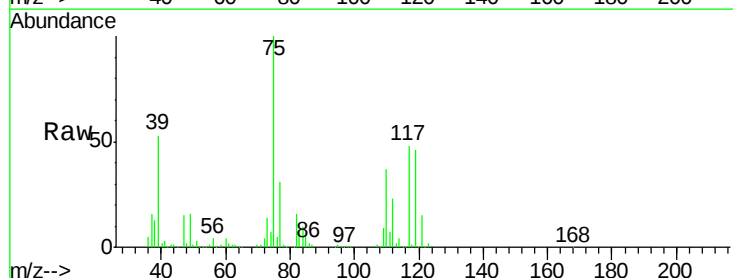
Manual Integrations
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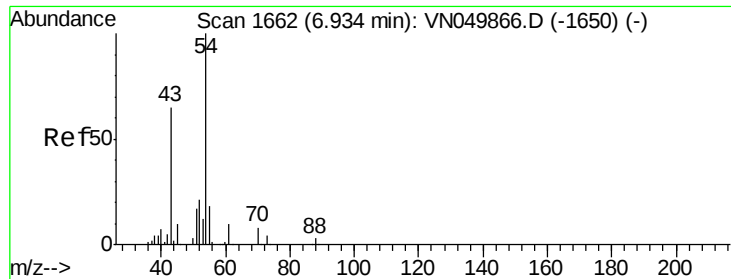
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#36
 1,1-Dichloropropene
 Concen: 47.23 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	454531		
110	36.2	18.1	54.4	
77	30.3	24.9	37.3	





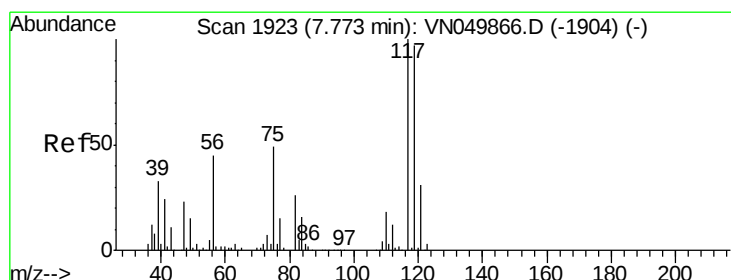
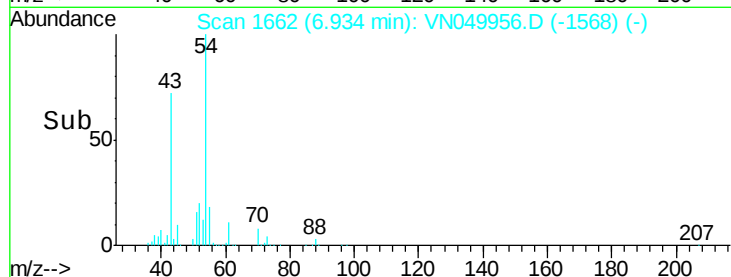
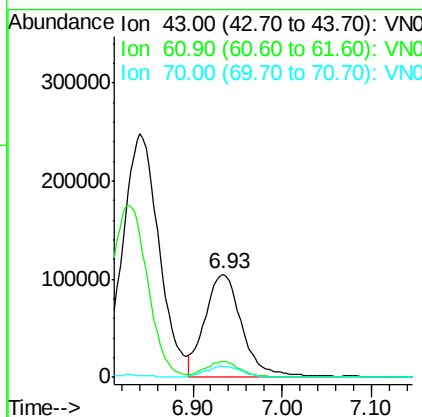
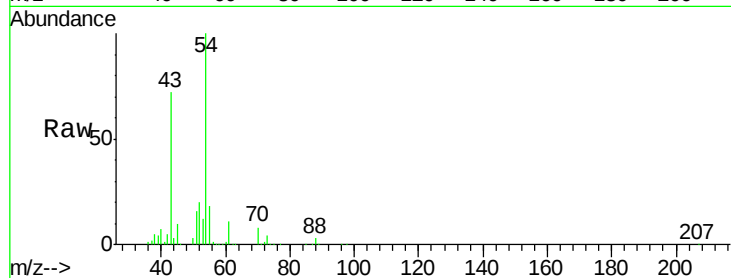
#37
Ethyl Acetate
Concen: 45.14 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.7	17.5
70	10.4	8.4	12.6

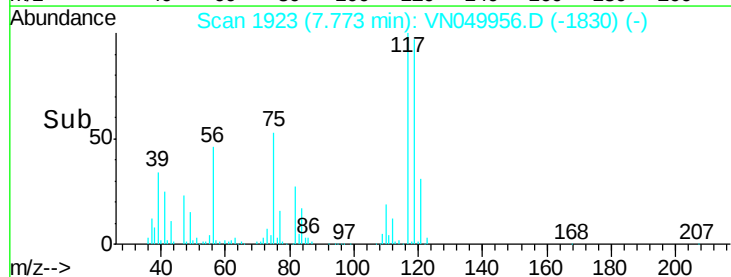
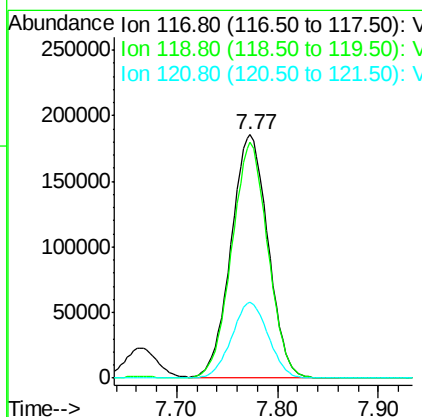
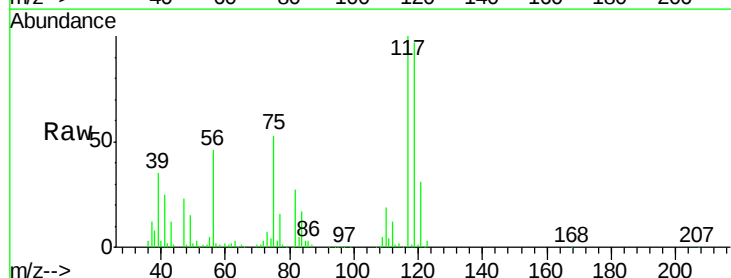
Manual Integrations
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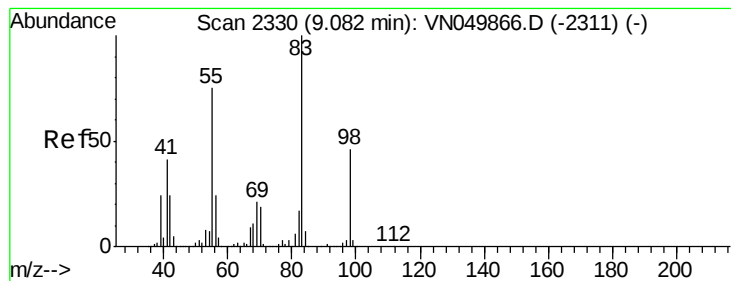
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#38
Carbon Tetrachloride
Concen: 45.84 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.2	115.8
121	31.0	25.0	37.6





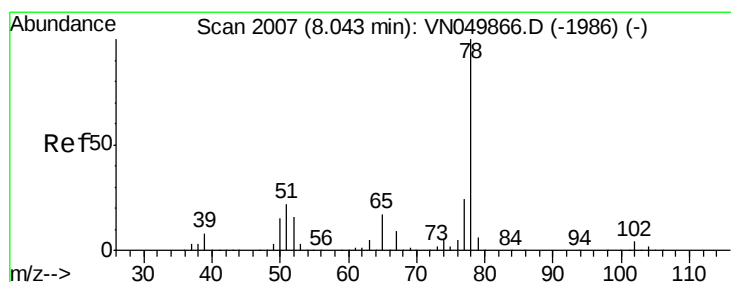
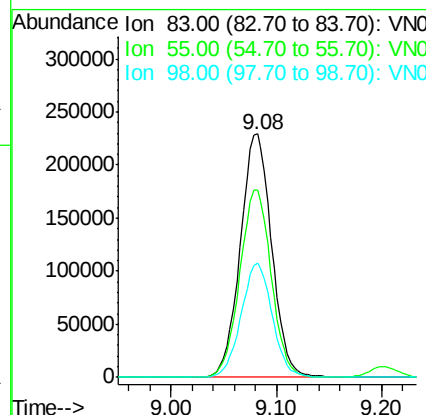
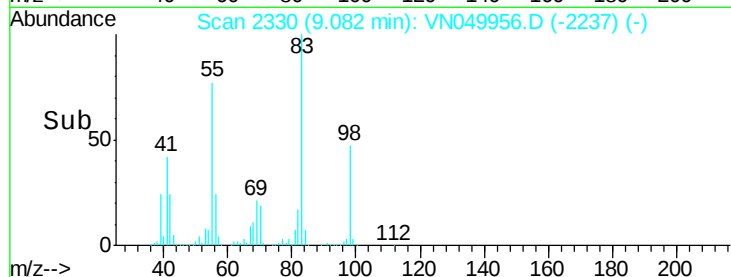
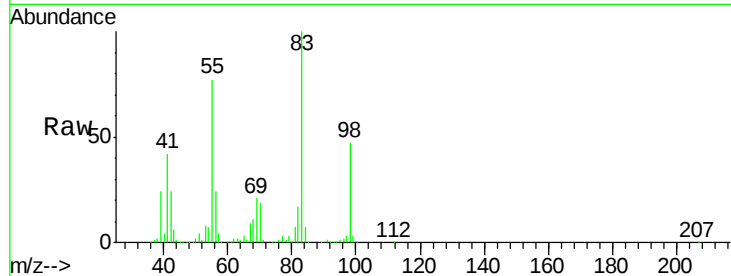
#39
Methvlcvclohexane
Concen: 47.65 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.0	59.7	89.5
98	46.9	36.5	54.7

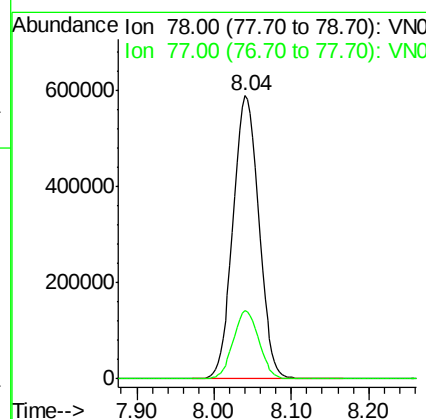
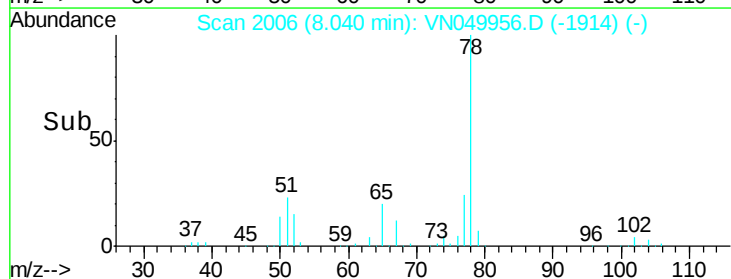
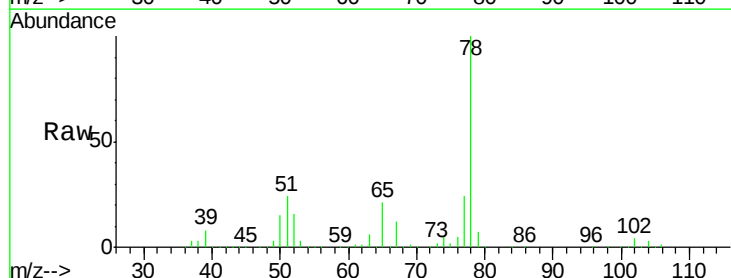
Manual Integrations
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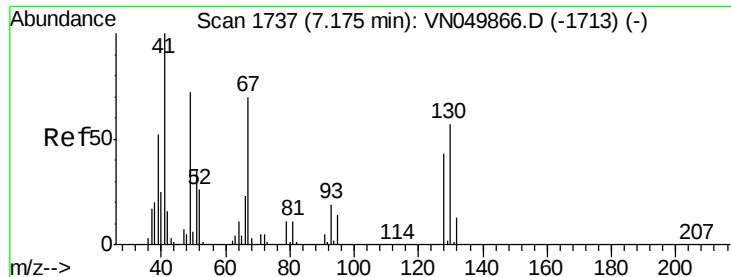
MMDadoda
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#40
Benzene
Concen: 46.39 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.4





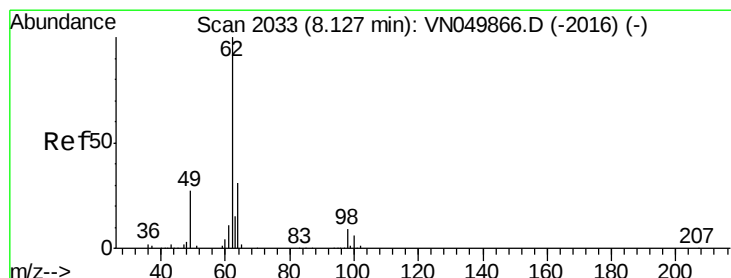
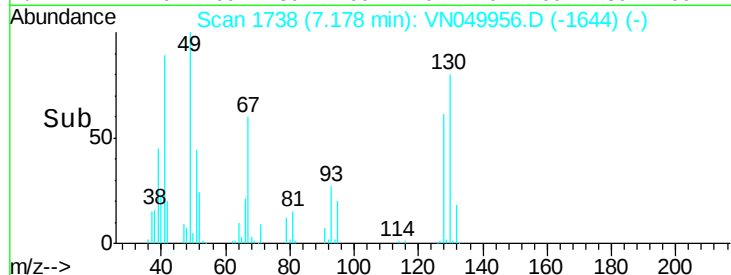
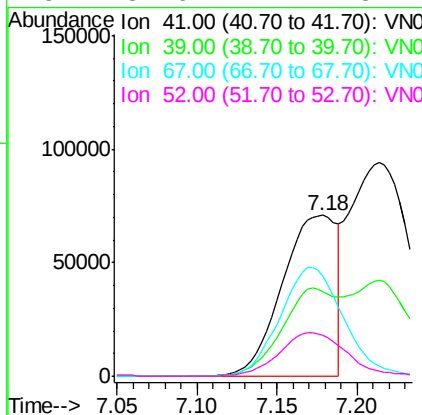
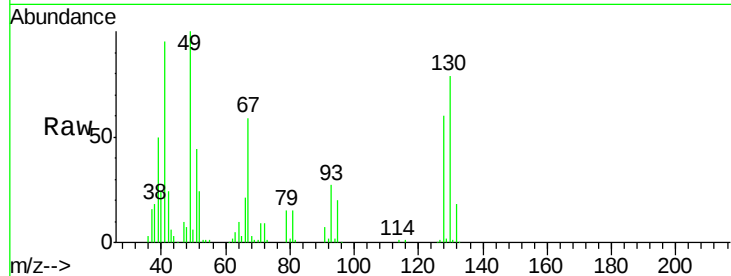
#41
Methacrylonitrile
Concen: 50.99 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		168936		
39	53.1	45.4	68.2		
67	78.6	65.4	98.0		
52	32.6	24.7	37.1		

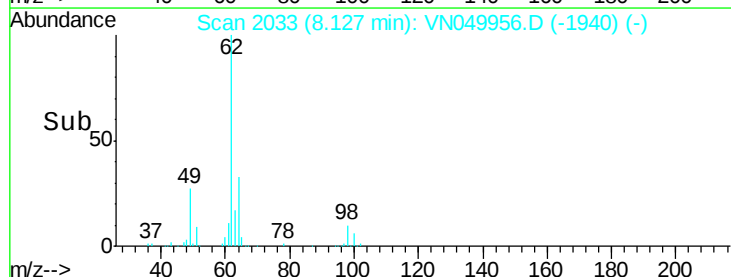
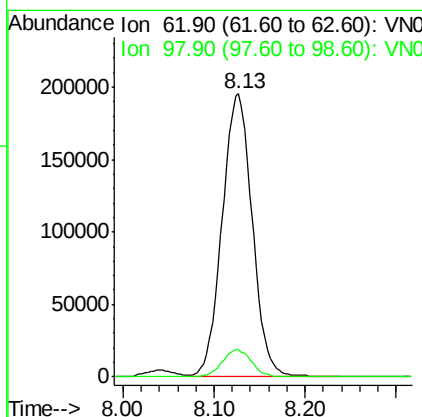
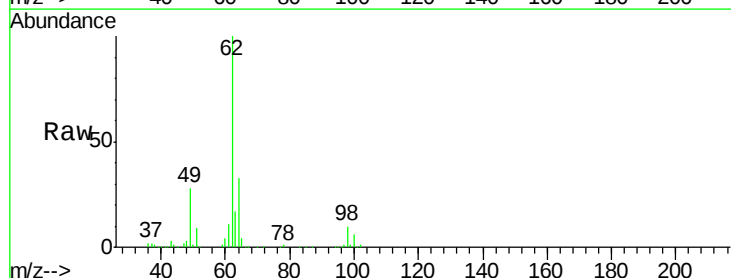
Manual Integrations
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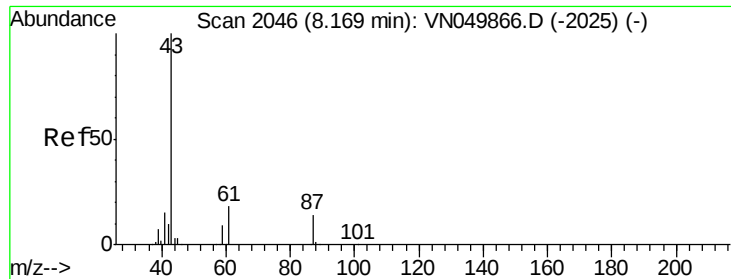
MMDadoda
7/23/2018 2:03:54 PM



#42
1,2-Dichloroethane
Concen: 46.13 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		448194		
98	9.5	0.0	19.0		





#43

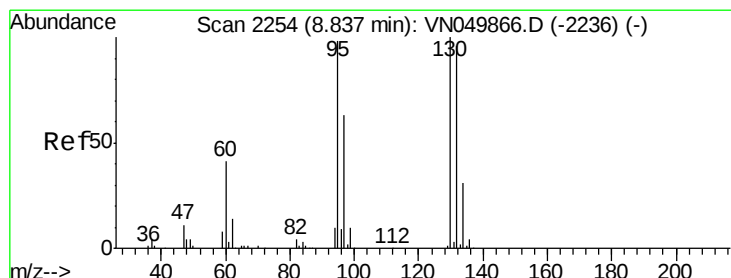
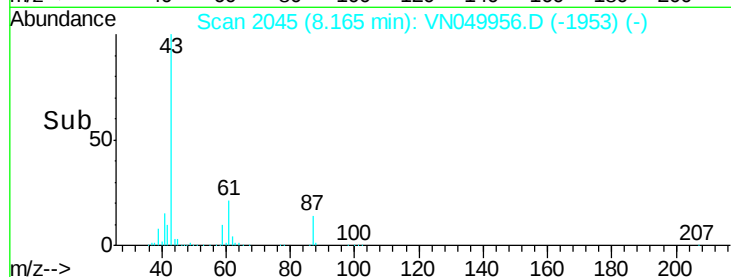
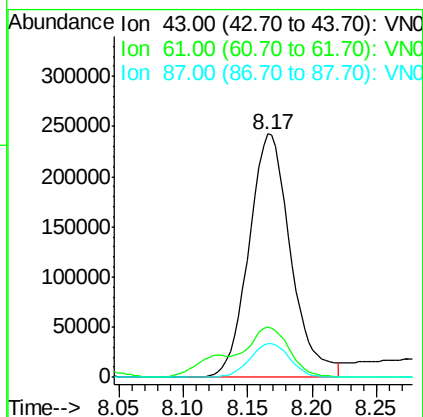
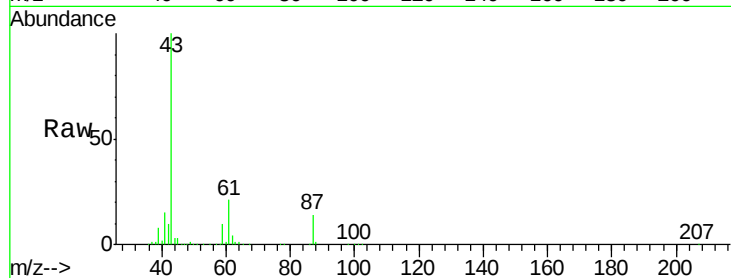
Isopropyl Acetate
 Concen: 47.43 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. -0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.1	14.9	22.3
87	13.4	10.0	15.0

Manual Integrations
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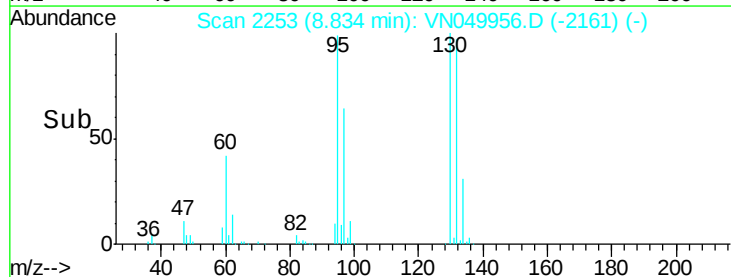
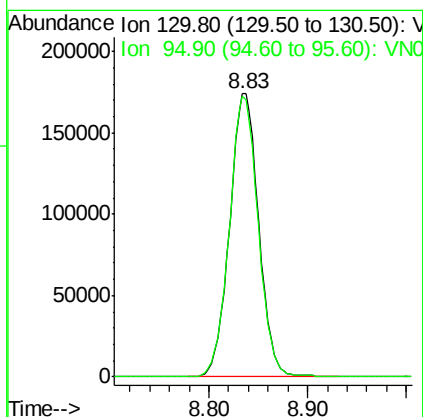
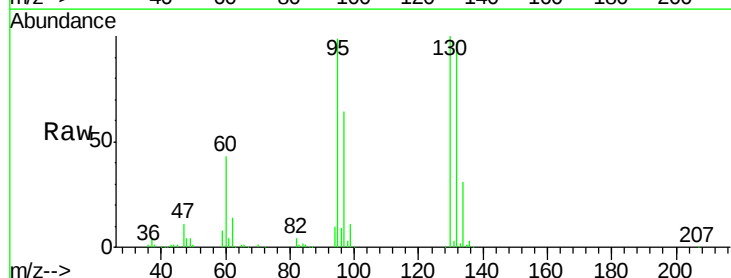
MMDadoda
 7/23/2018 2:03:54 PM

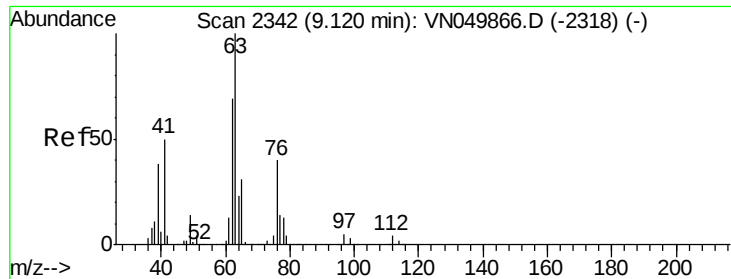


#44

Trichloroethene
 Concen: 46.35 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	192.8





#45

1,2-Dichloropropane

Concen: 46.85 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 370730

Ion Ratio Lower Upper

63 100

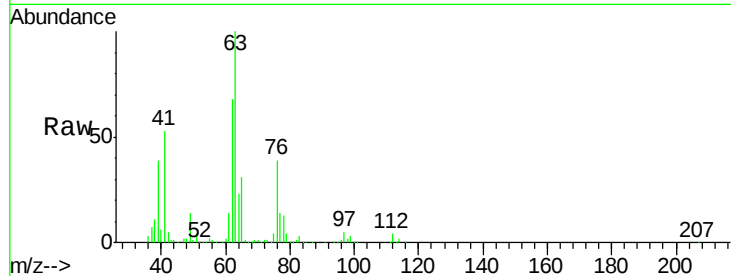
65 30.6 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

7/23/2018 2:03:54 PM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

200000

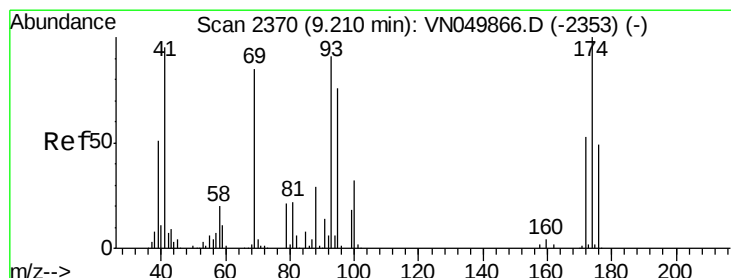
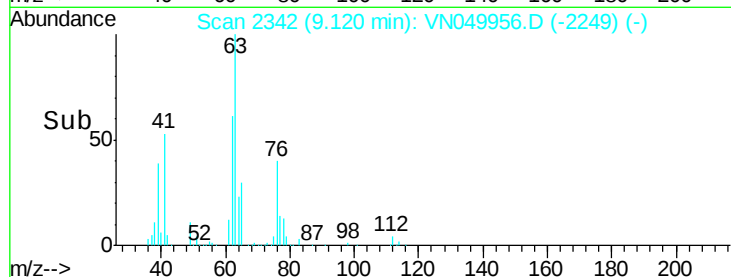
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 44.79 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

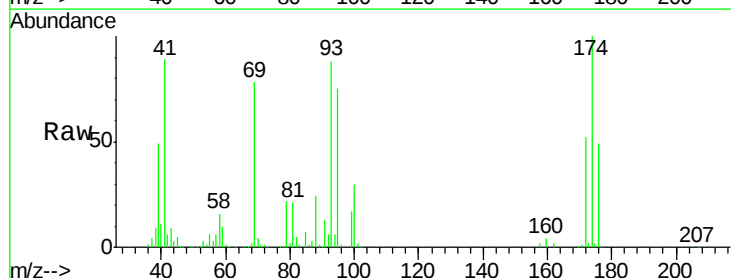
Tgt Ion: 93 Resp: 219813

Ion Ratio Lower Upper

93 100

95 84.8 67.9 101.9

174 112.4 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

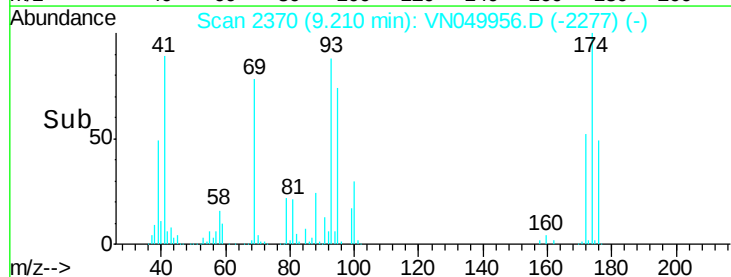
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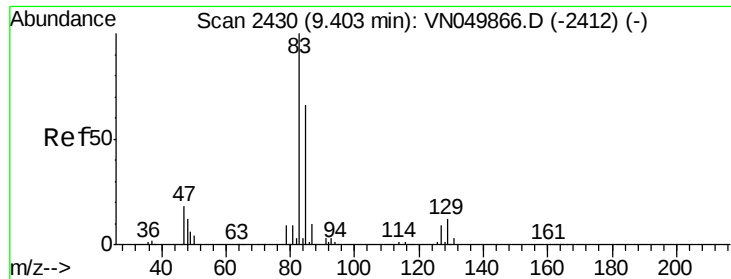
100000

50000

0

Time-->





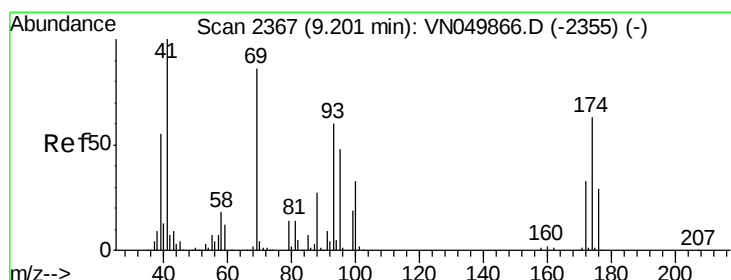
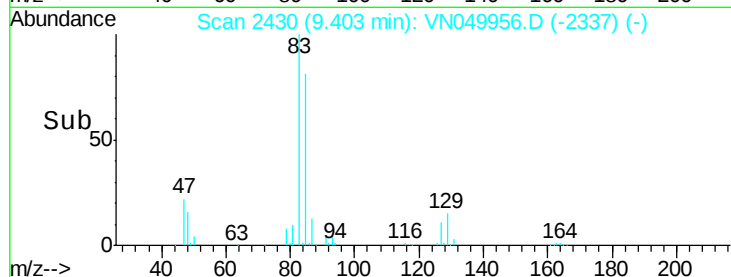
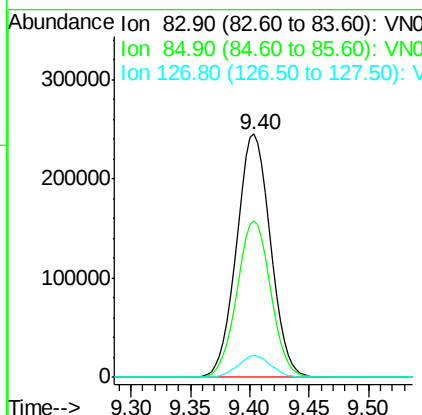
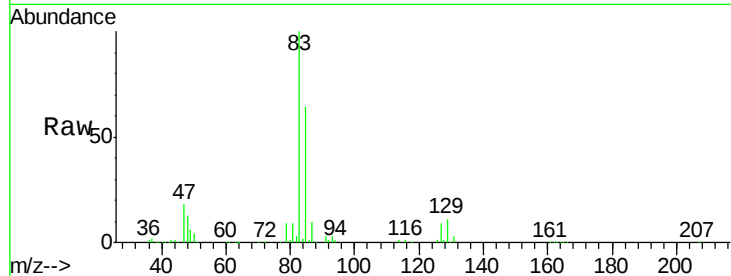
#47
Bromodichloromethane
Concen: 47.85 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	485630		
85	64.3	50.5	75.7	
127	9.0	6.8	10.2	

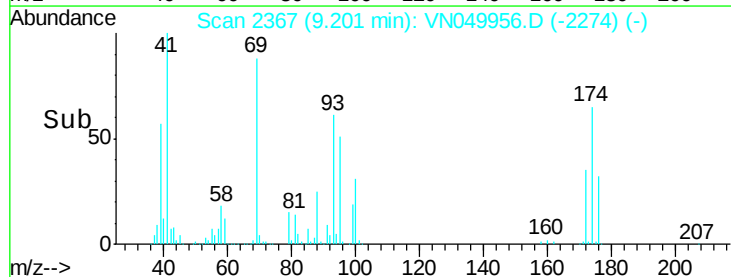
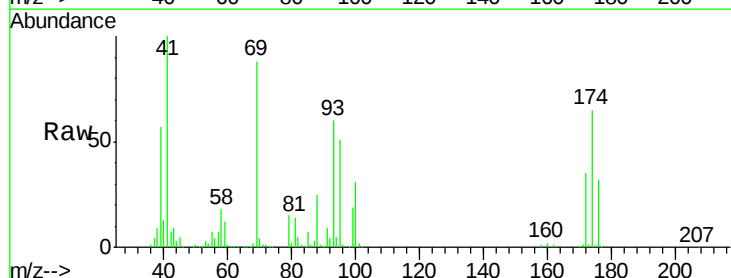
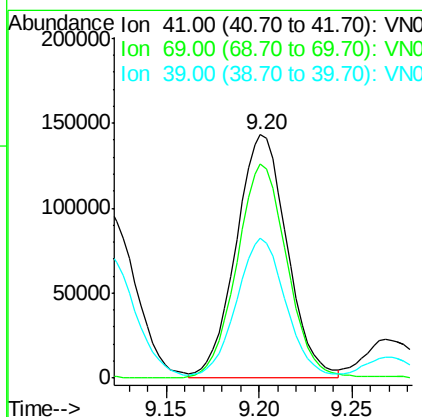
Manual Integrations
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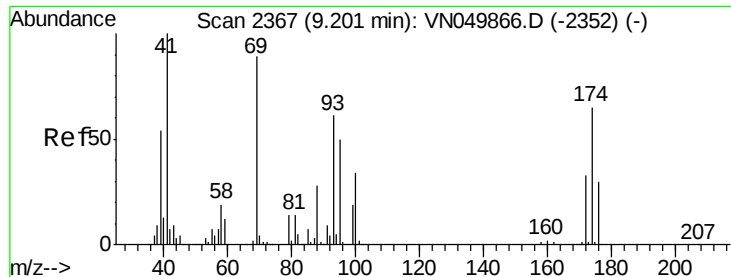
MMDadoda
7/23/2018 2:03:54 PM



#48
Methyl methacrylate
Concen: 46.92 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	271723		
69	87.8	71.5	107.3	
39	56.1	44.7	67.1	





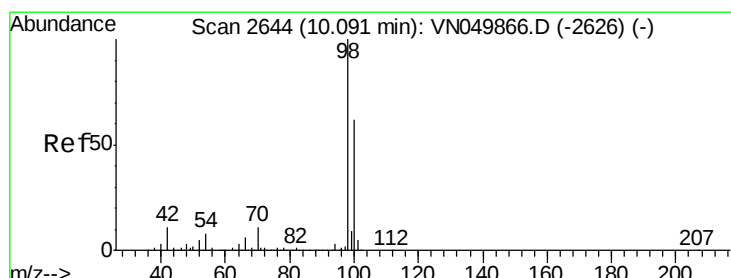
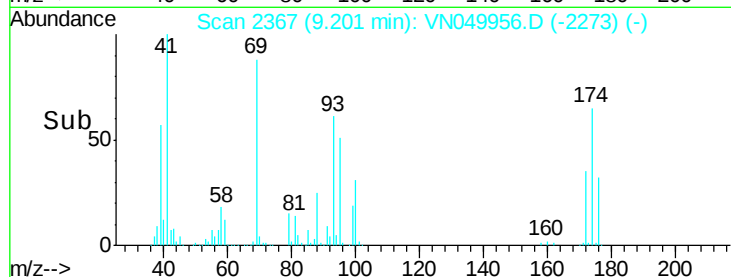
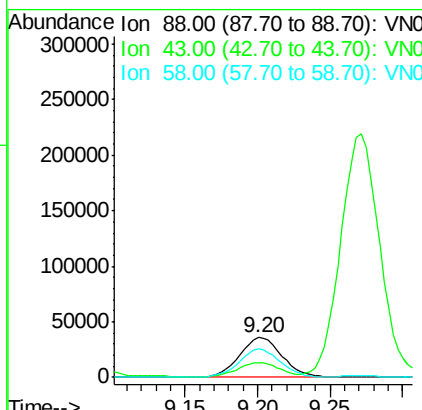
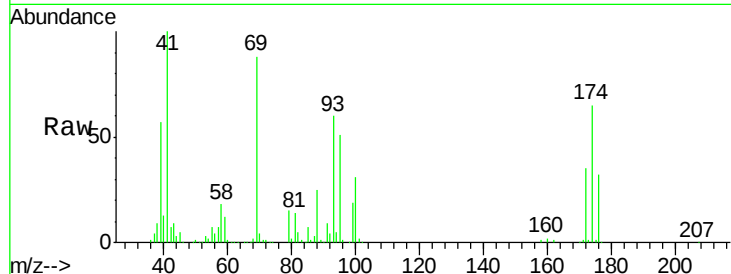
#49
1,4-Dioxane
Concen: 891.80 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.8	25.1	37.7
58	70.2	52.5	78.7

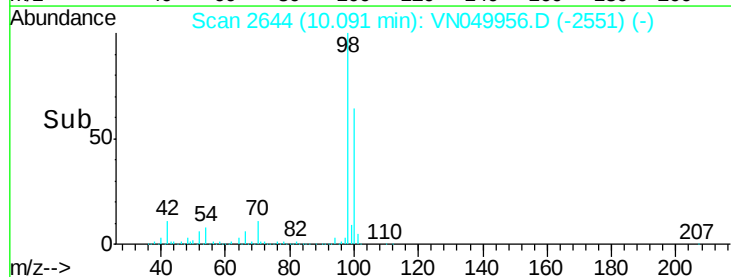
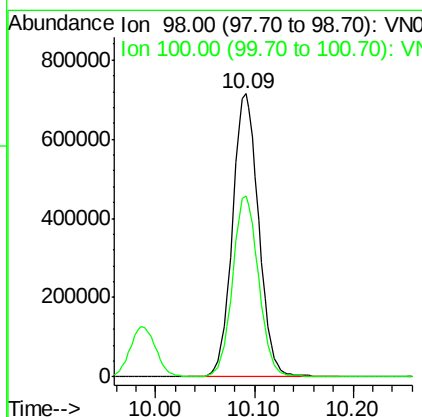
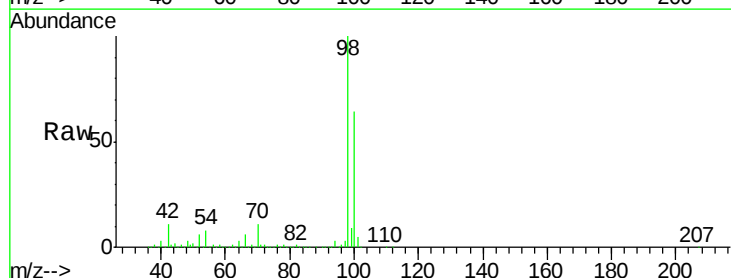
Manual Integrations
APPROVED

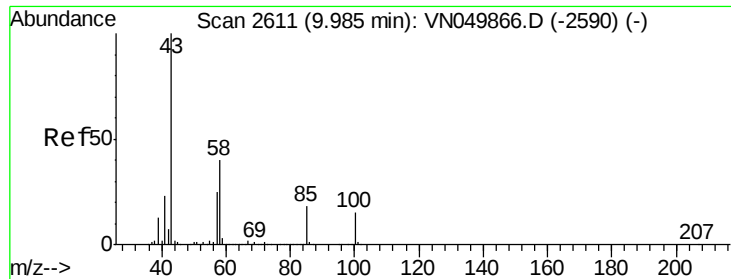
MMDadoda
7/23/2018 2:03:54 PM



#50
Toluene-d8
Concen: 49.88 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.7	77.5





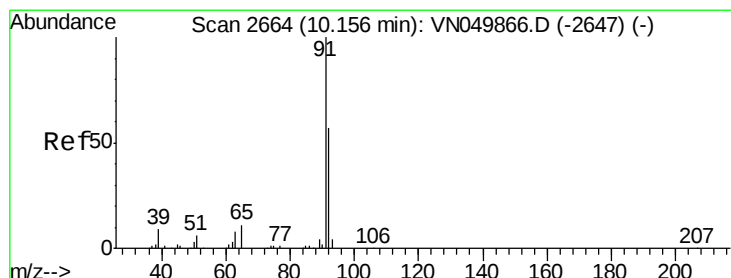
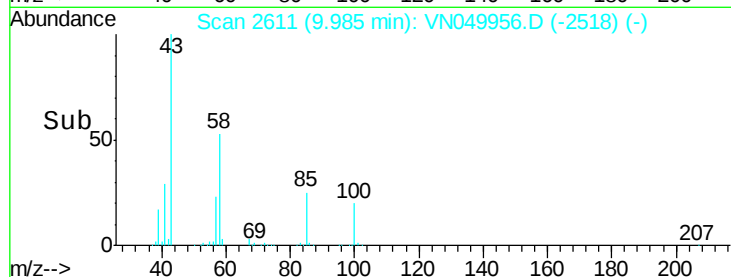
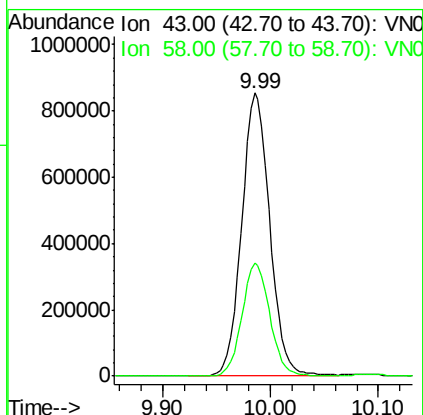
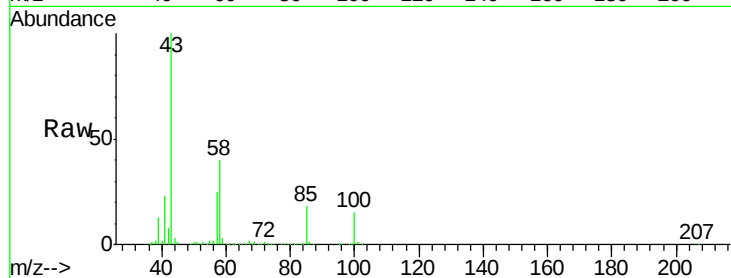
#51
4-Methyl-2-Pentanone
Concen: 239.02 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1542611
Ion Ratio Lower Upper
43 100
58 39.6 31.8 47.8

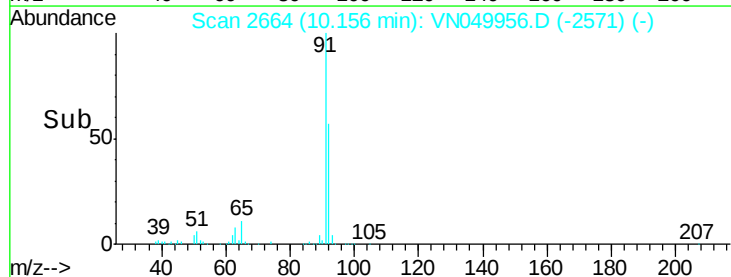
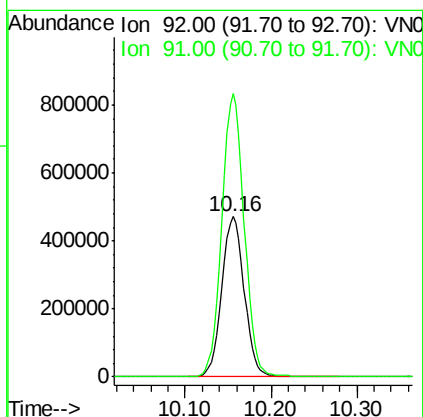
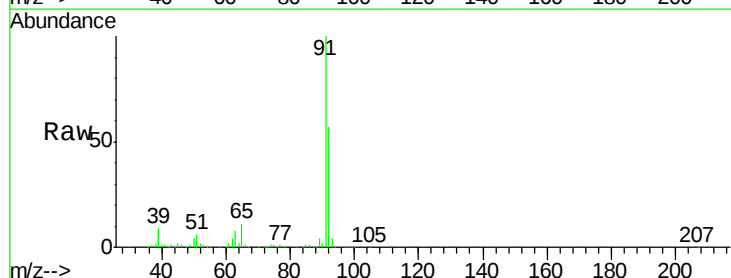
Manual Integrations
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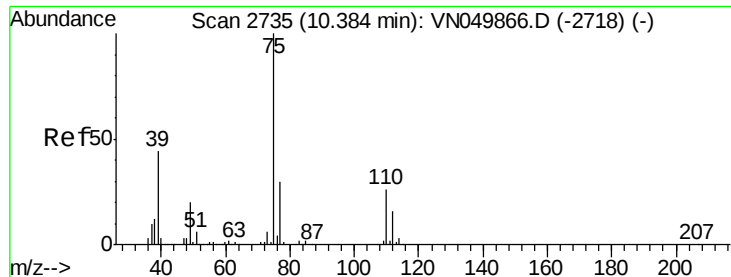
MMDadoda
7/23/2018 2:03:54 PM



#52
Toluene
Concen: 48.84 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Tgt Ion: 92 Resp: 854564
Ion Ratio Lower Upper
92 100
91 176.3 140.1 210.1





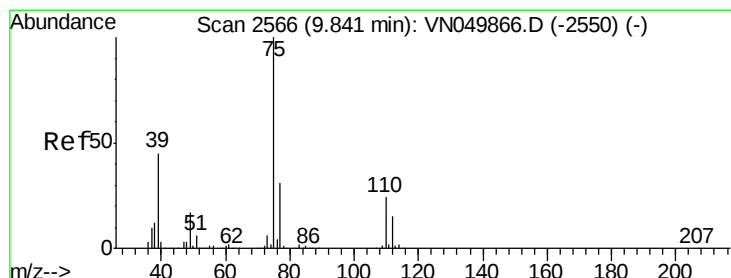
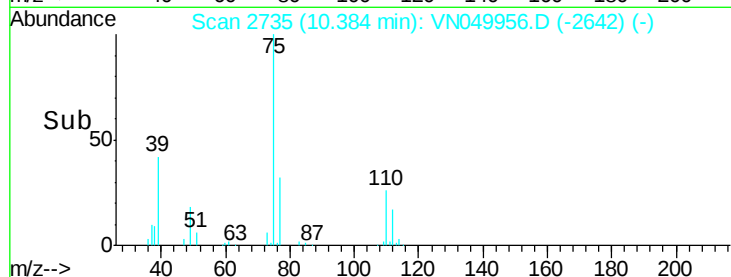
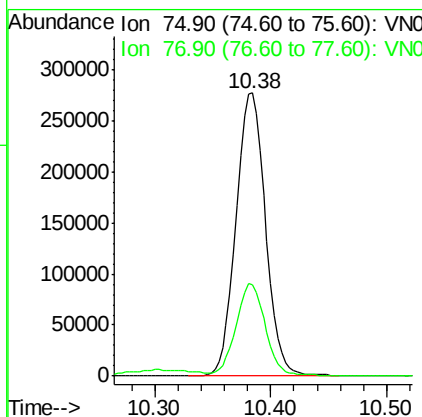
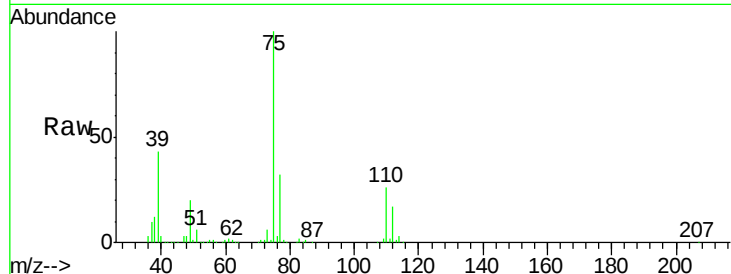
#53
t-1,3-Dichloropropene
Concen: 48.87 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 490410
Ion Ratio Lower Upper
75 100
77 32.0 25.2 37.8

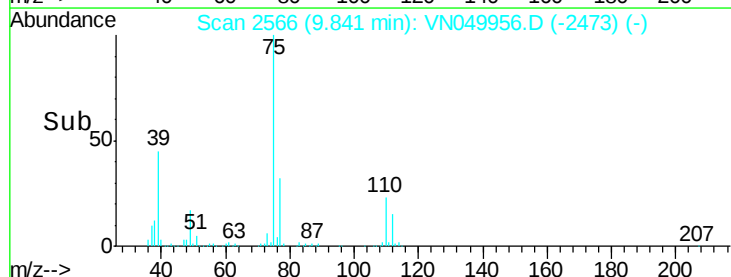
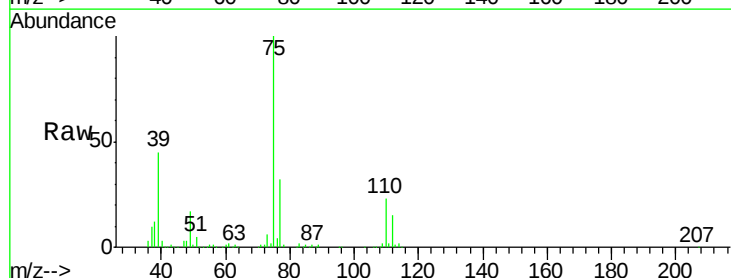
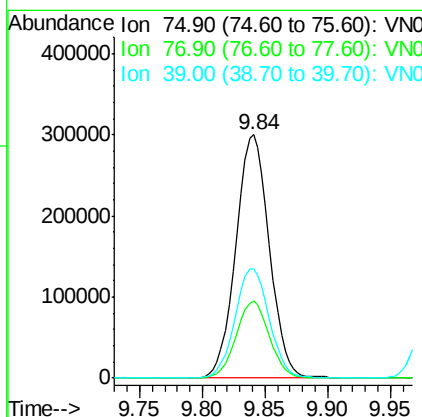
Manual Integrations
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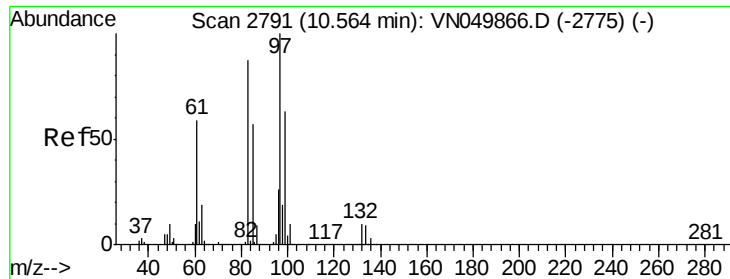
MMDadoda
7/23/2018 2:03:54 PM



#54
cis-1,3-Dichloropropene
Concen: 50.23 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Tgt Ion: 75 Resp: 557071
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9
39 44.8 35.5 53.3





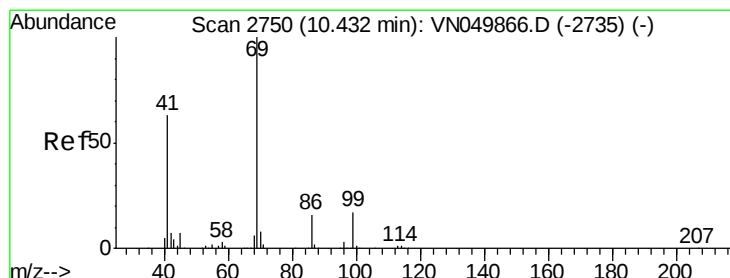
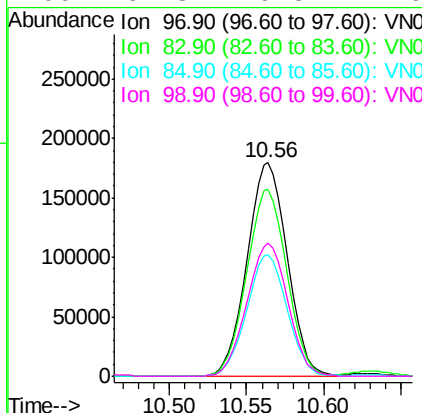
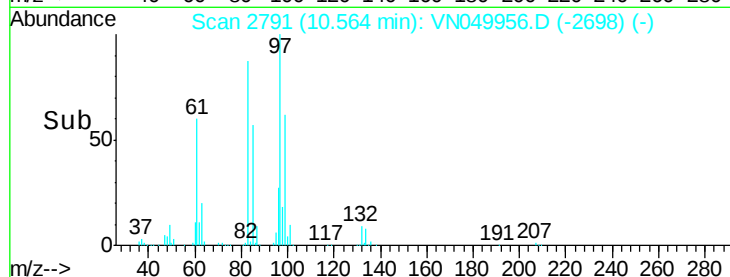
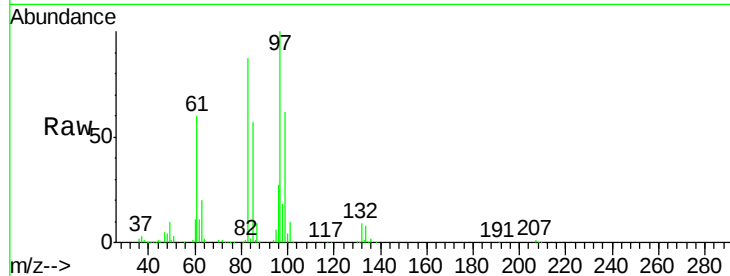
#55
 1,1,2-Trichloroethane
 Concen: 44.98 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		325112		
83	87.4	69.0	103.6		
85	57.1	44.9	67.3		
99	62.3	49.8	74.6		

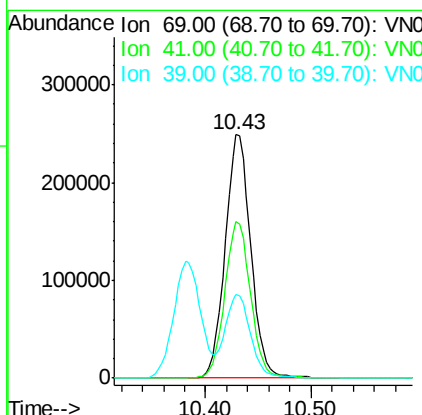
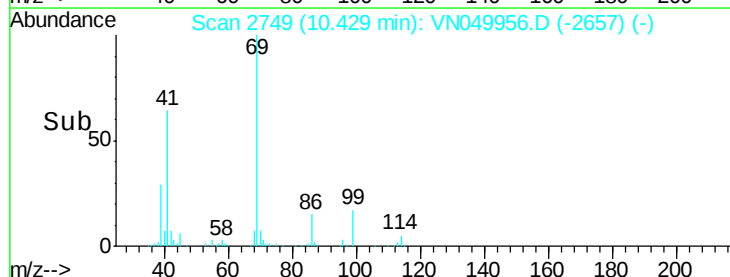
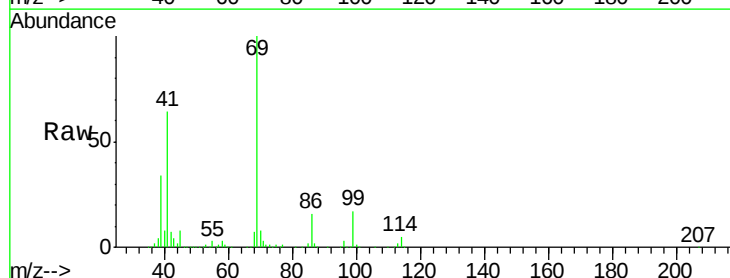
Manual Integrations
 APPROVED

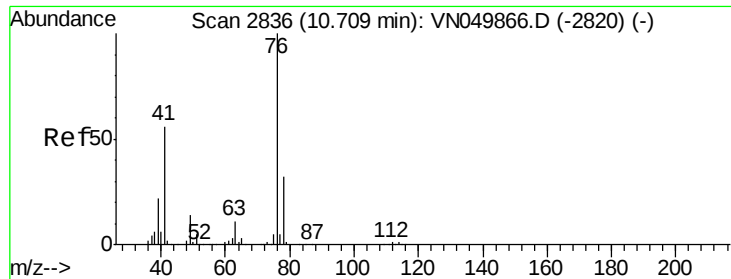
MMDadoda
 7/23/2018 2:03:54 PM



#56
 Ethyl methacrylate
 Concen: 43.34 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		417763		
41	63.6	51.6	77.4		
39	33.3	25.8	38.8		





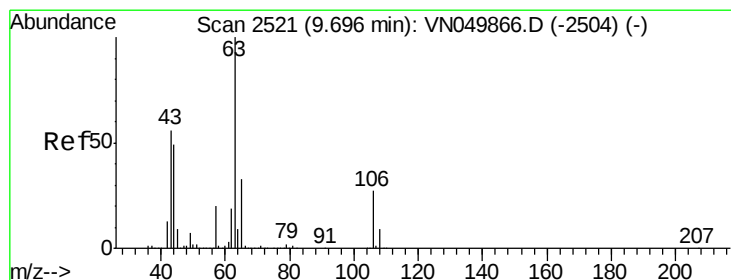
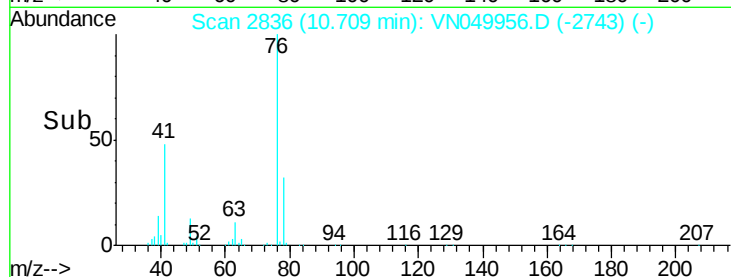
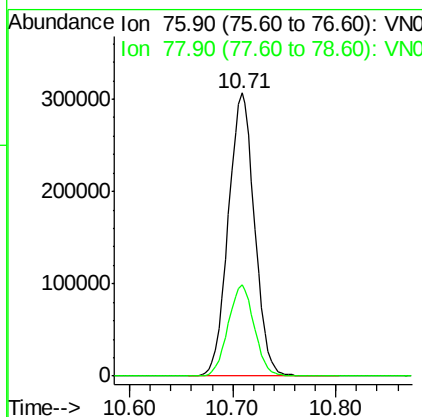
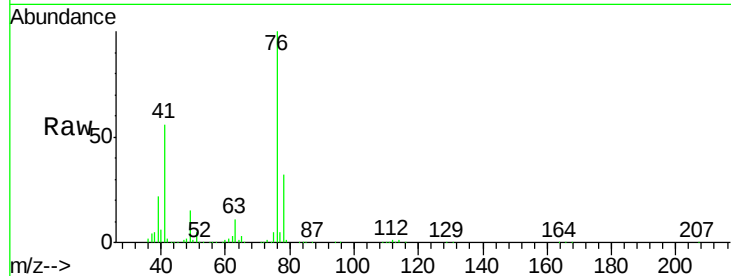
#57
 1,3-Dichloropropane
 Concen: 47.71 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 543043
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.8

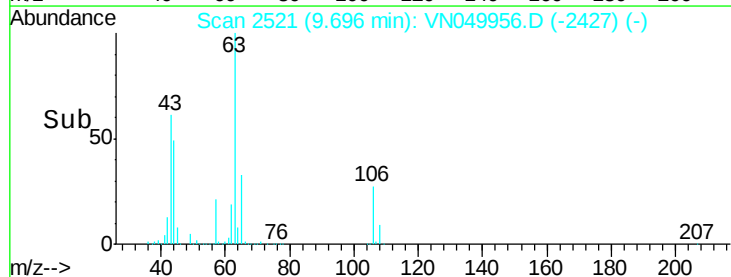
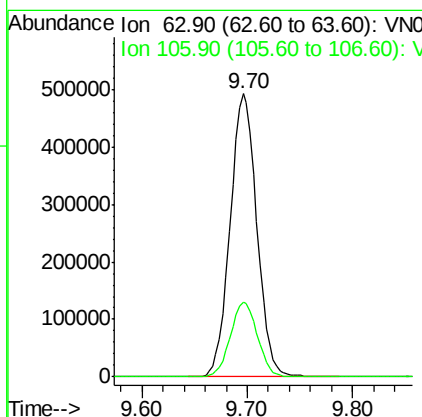
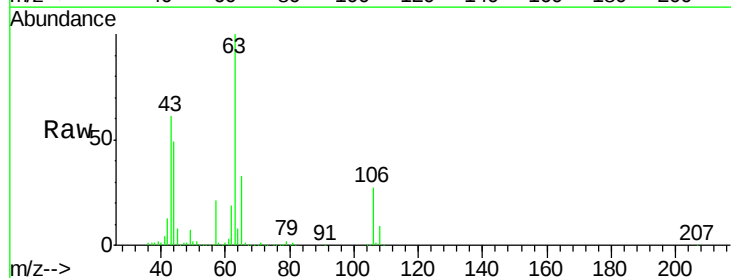
Manual Integrations
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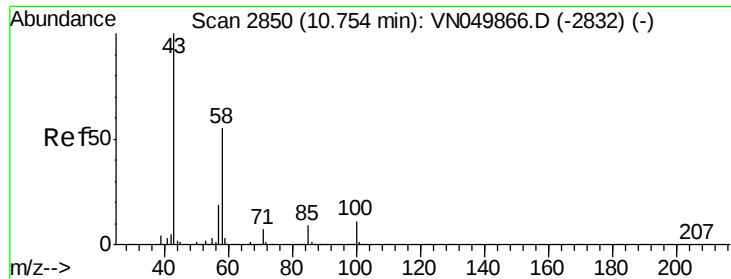
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 191.13 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Tgt Ion: 63 Resp: 861301
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.8 32.8





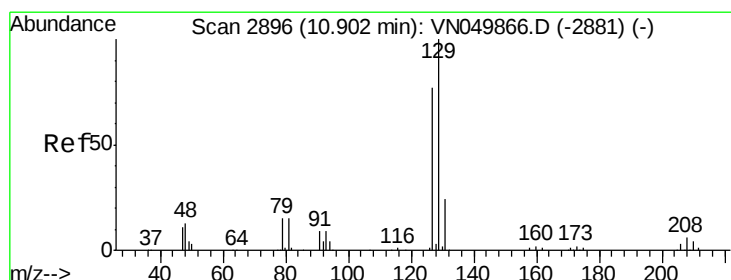
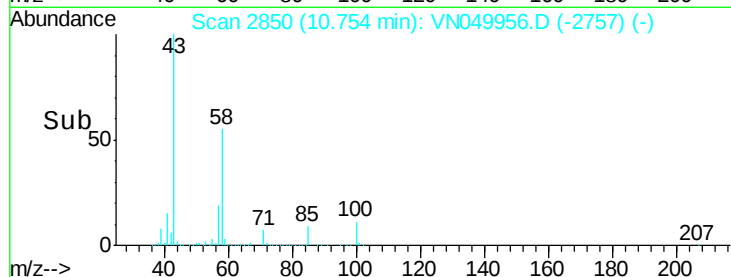
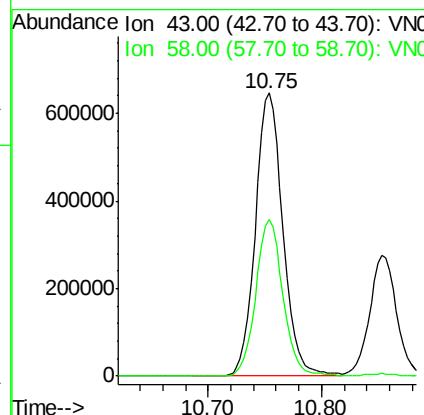
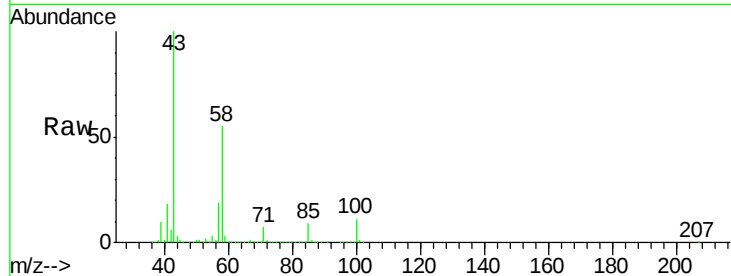
#59
2-Hexanone
Concen: 251.18 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1088855
Ion Ratio Lower Upper
43 100
58 54.8 27.8 83.4

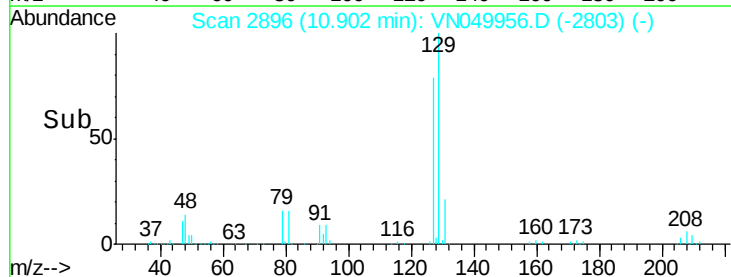
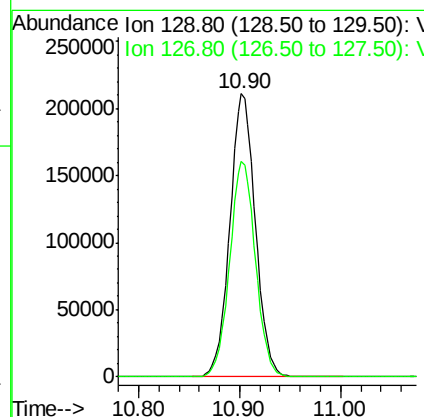
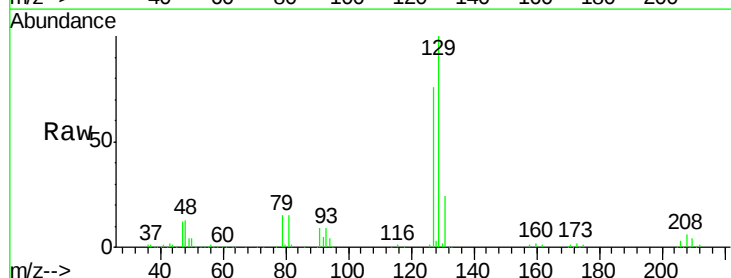
Manual Integrations
APPROVED

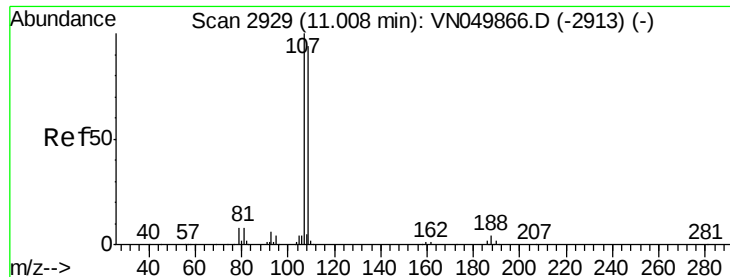
MMDadoda
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#60
Dibromochloromethane
Concen: 46.92 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Tgt Ion: 129 Resp: 371938
Ion Ratio Lower Upper
129 100
127 76.9 38.3 114.9





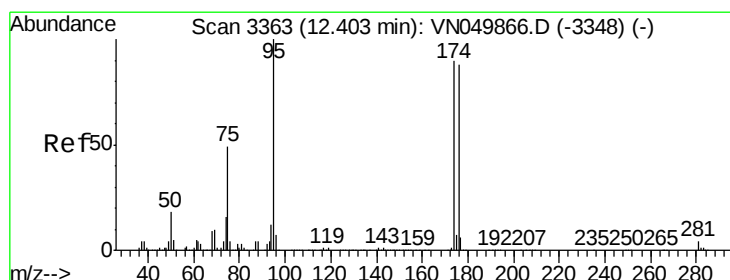
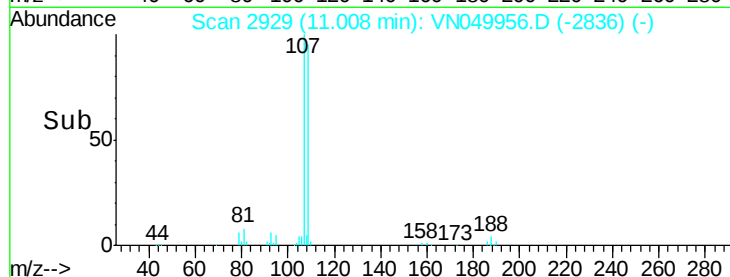
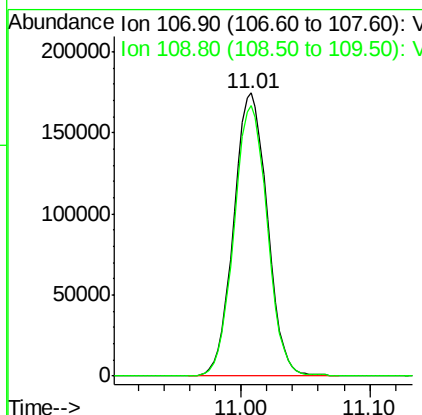
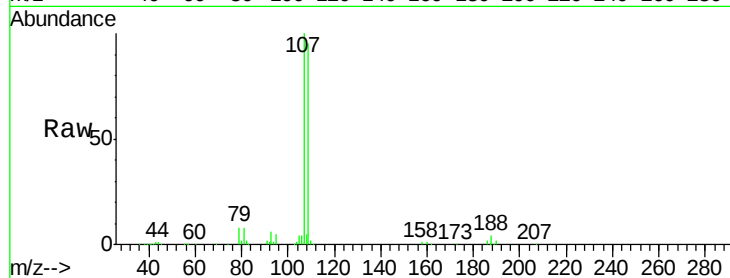
#61
 1,2-Dibromoethane
 Concen: 46.86 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.0	112.6

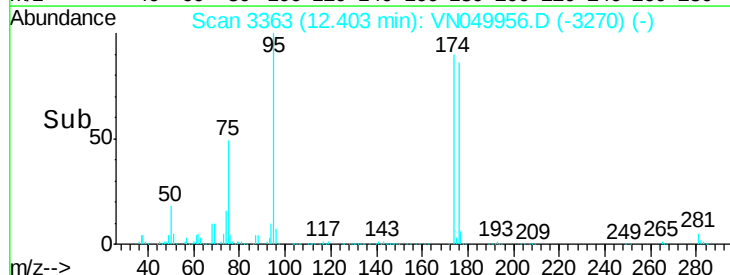
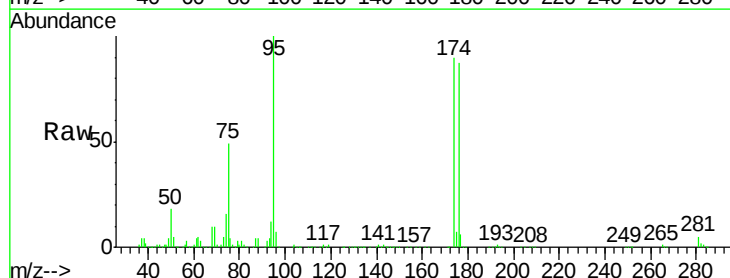
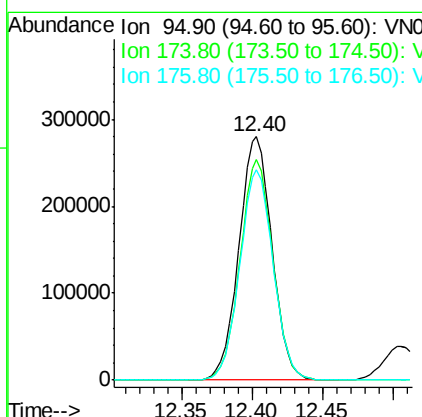
Manual Integrations
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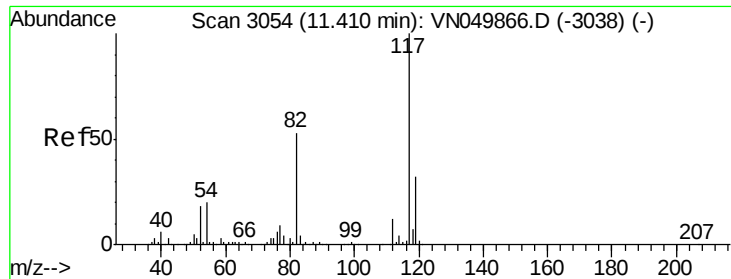
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 50.50 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.1	0.0	179.6
176	86.9	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: VN049956.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_N

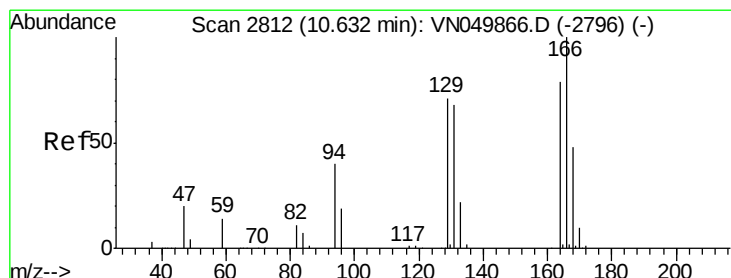
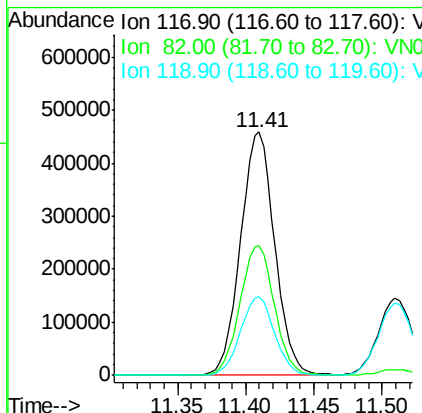
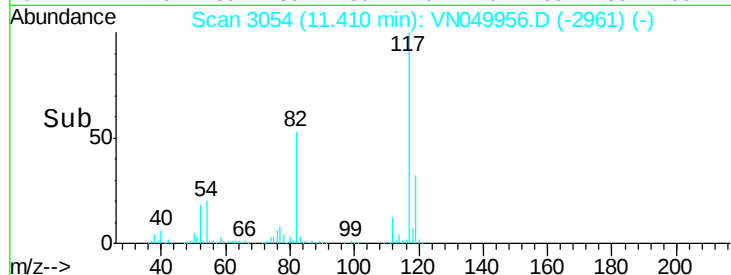
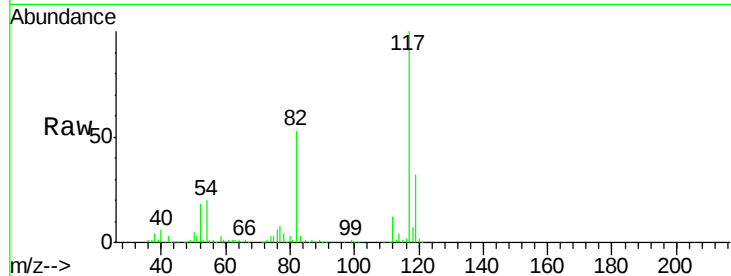
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	41.9	62.9
119	32.1	25.4	38.2

Manual Integrations
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#64

Tetrachloroethene

Concen: 47.39 ug/l

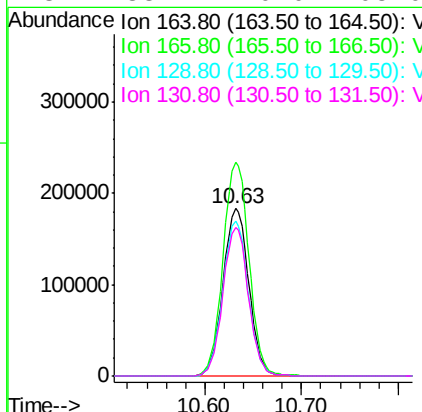
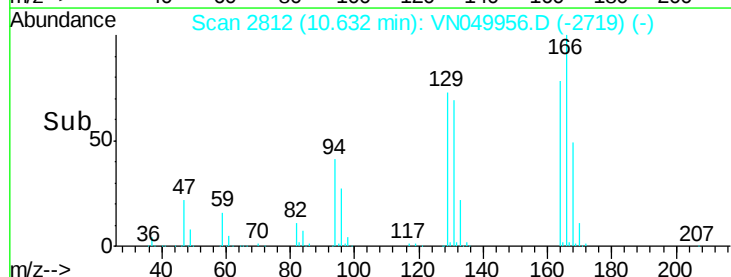
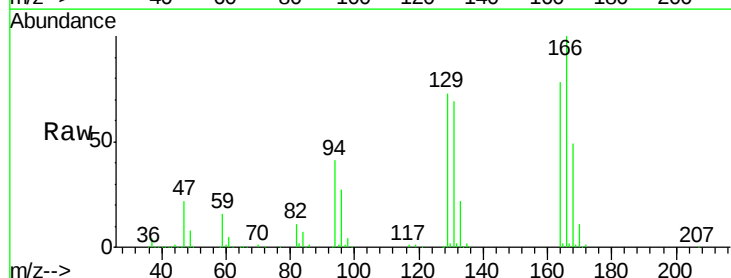
RT: 10.63 min Scan# 2812

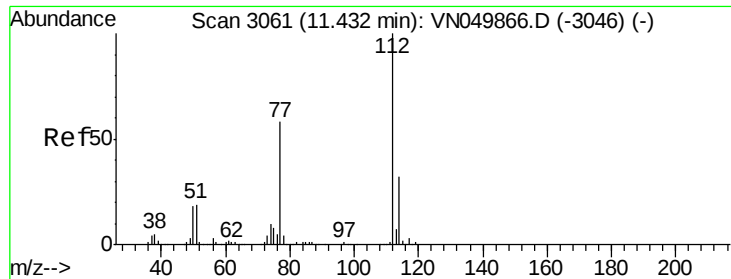
Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	101.8	152.6
129	93.0	72.8	109.2
131	88.7	70.0	105.0





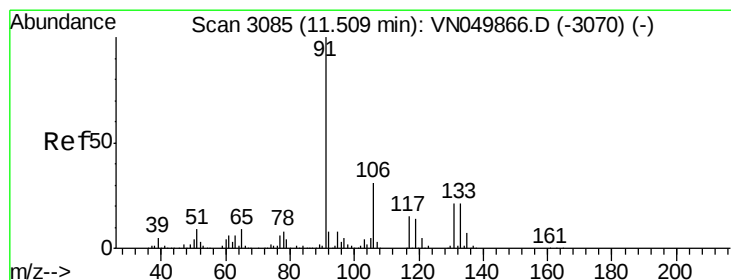
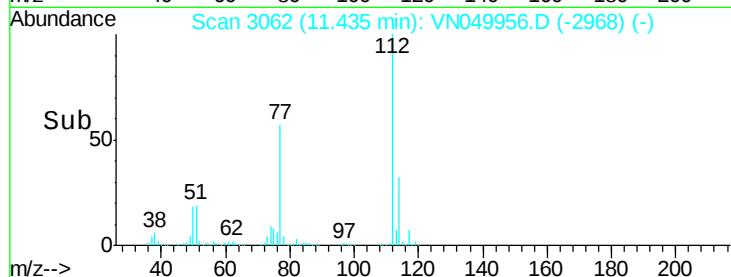
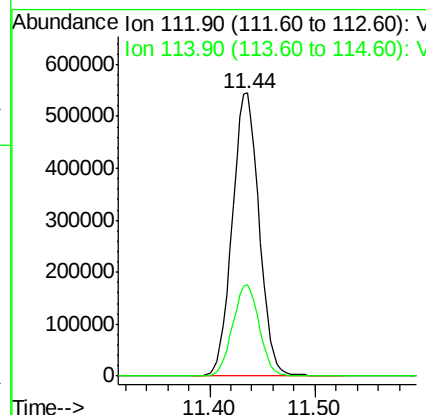
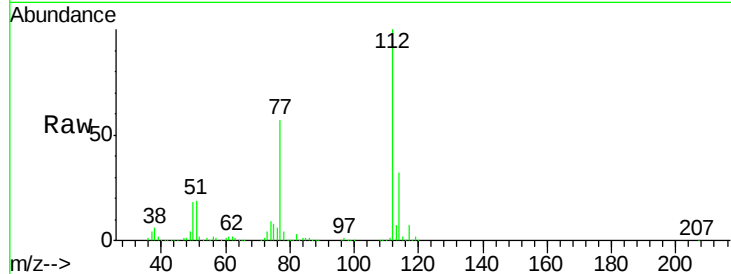
#65
Chlorobenzene
Concen: 47.76 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.4	38.0

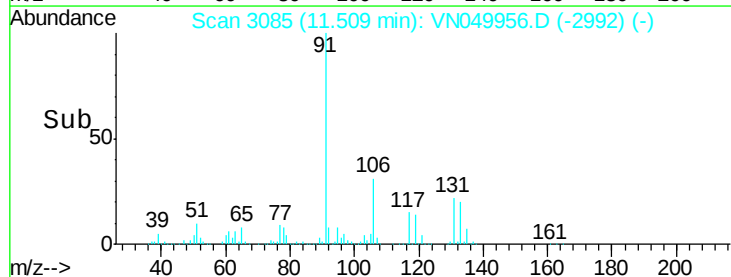
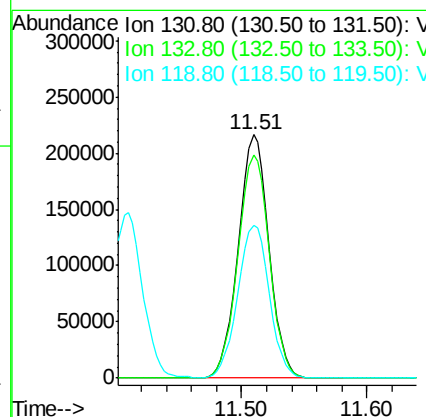
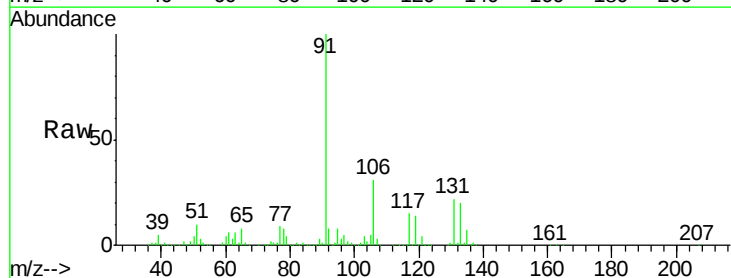
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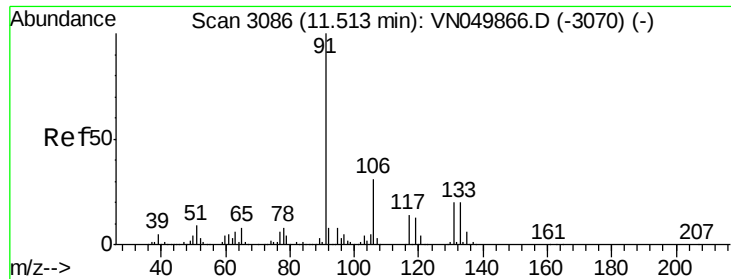
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.36 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.3	47.5	142.6
119	65.2	33.1	99.3





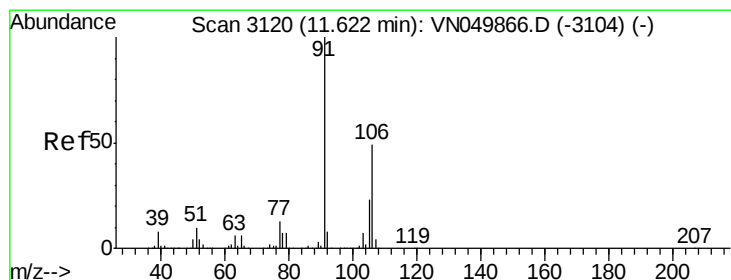
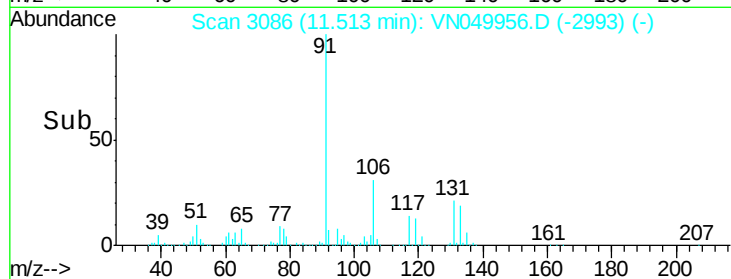
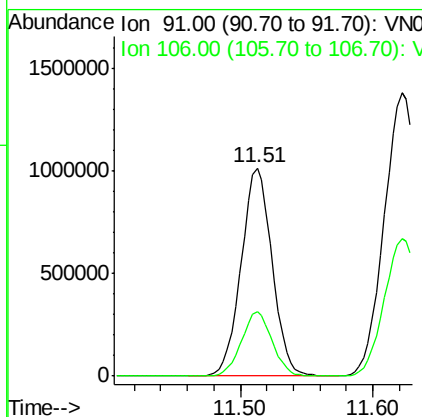
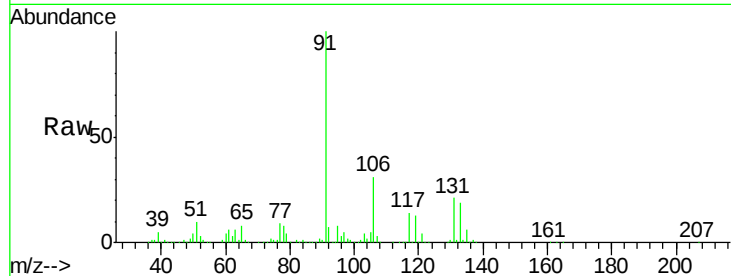
#67
Ethyl Benzene
Concen: 50.65 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1645362
Ion Ratio Lower Upper
91 100
106 31.0 24.8 37.2

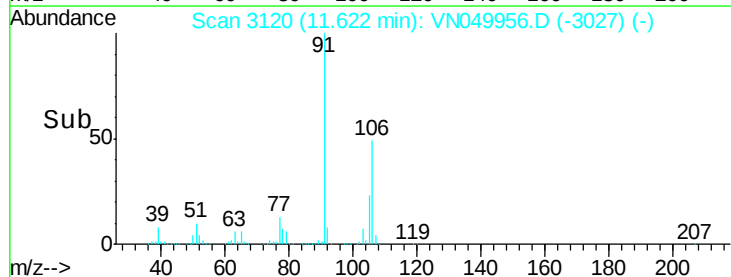
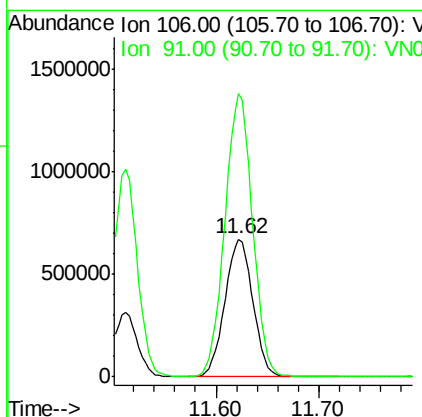
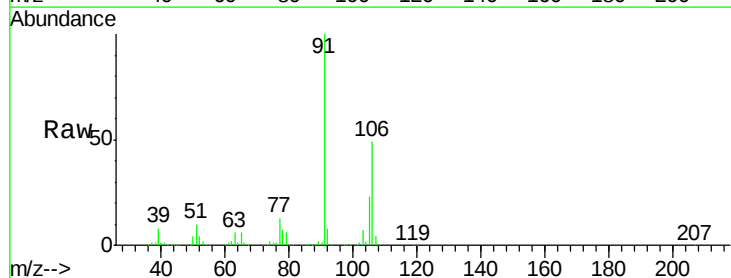
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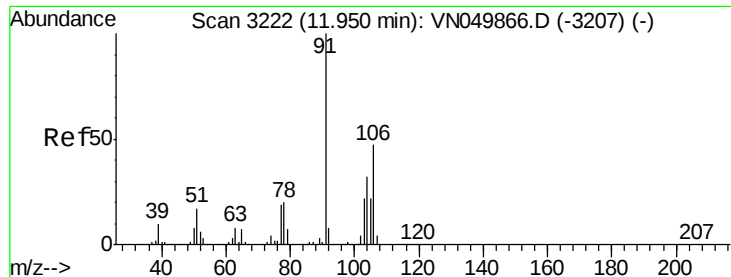
MMDadoda
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#68
m/p-Xylenes
Concen: 103.26 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Tgt Ion: 106 Resp: 1269872
Ion Ratio Lower Upper
106 100
91 203.9 163.4 245.2





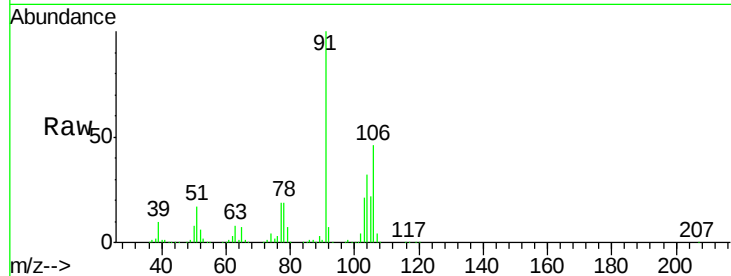
#69
o-Xylene
Concen: 51.16 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

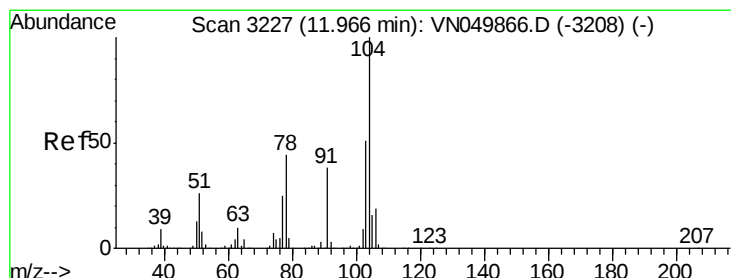
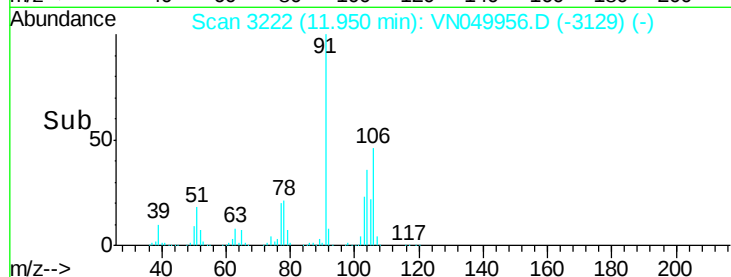
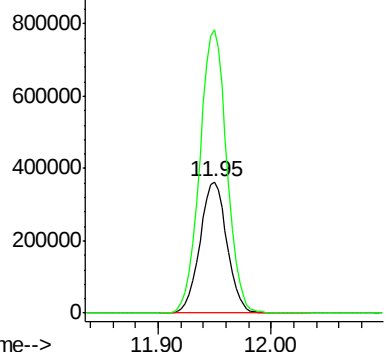
Tot Ion:106 Resp: 604325
Ion Ratio Lower Upper
106 100
91 214.9 108.7 326.1

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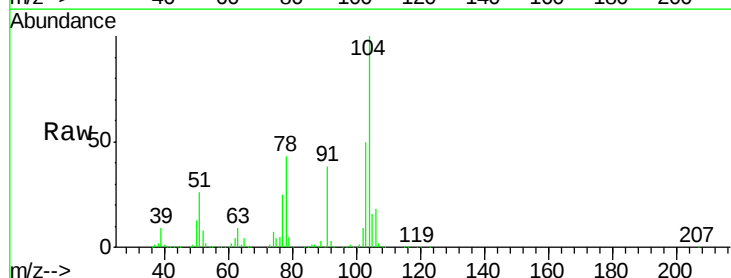


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

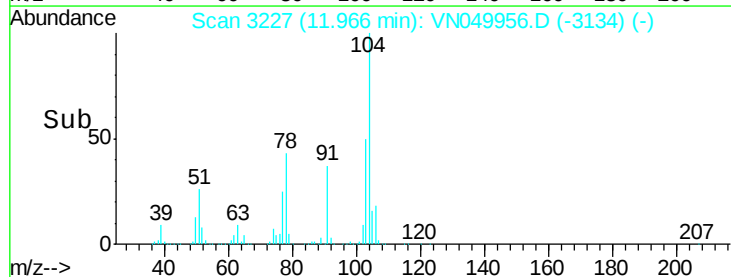
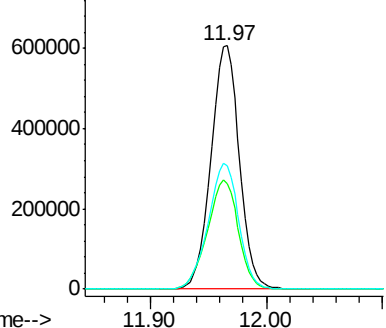


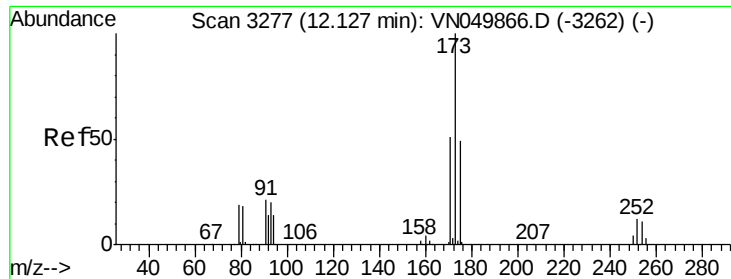
#70
Styrene
Concen: 53.94 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Tgt Ion:104 Resp: 1032076
Ion Ratio Lower Upper
104 100
78 48.6 39.2 58.8
103 55.5 44.6 67.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V





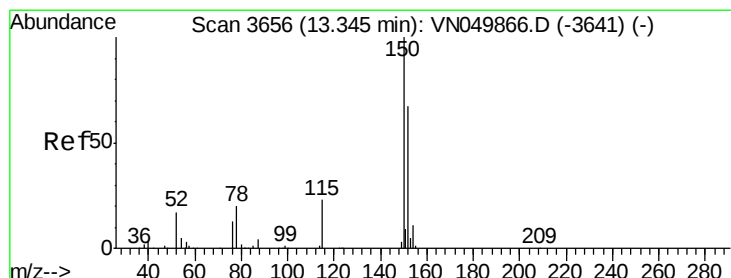
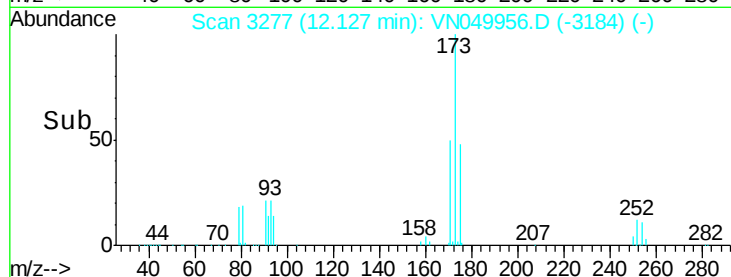
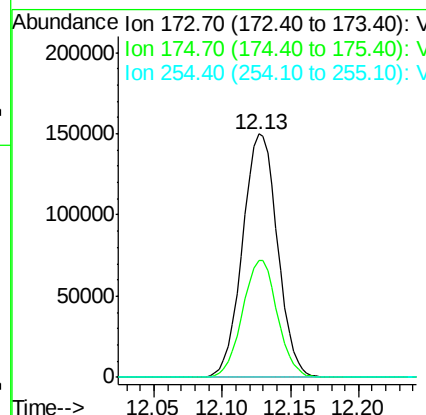
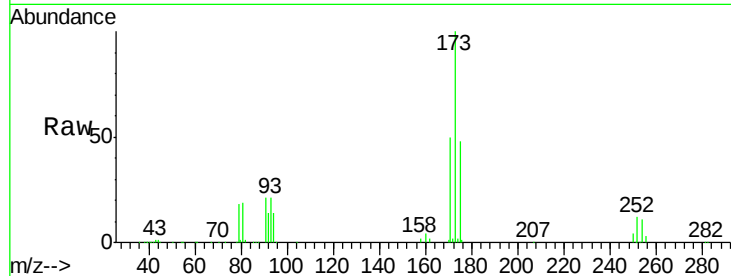
#71
Bromoform
Concen: 48.05 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.6	73.8
254	0.1	0.2	0.2#

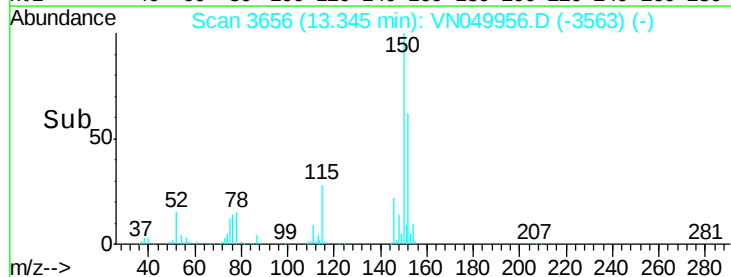
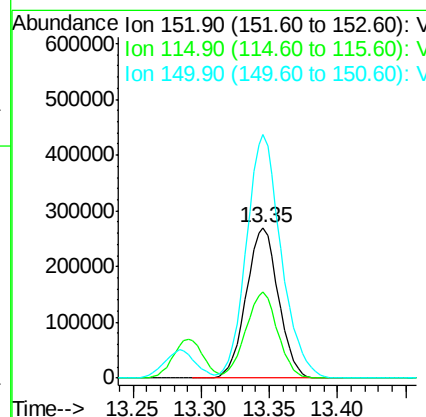
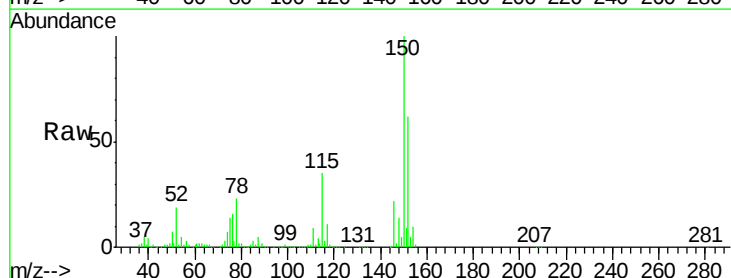
Manual Integrations
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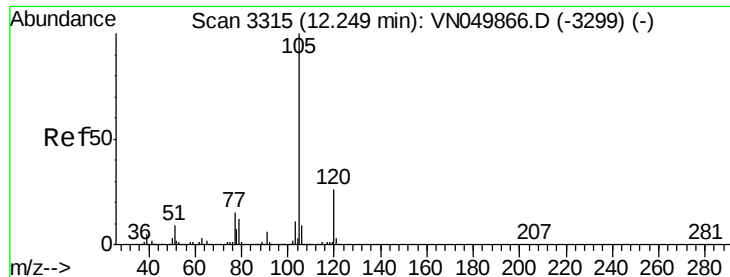
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.1	84.2
150	174.5	0.0	347.6





#73

Isopropylbenzene

Concen: 49.25 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1650854

Ion Ratio Lower Upper

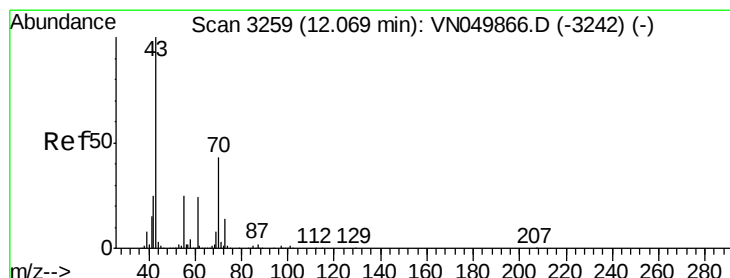
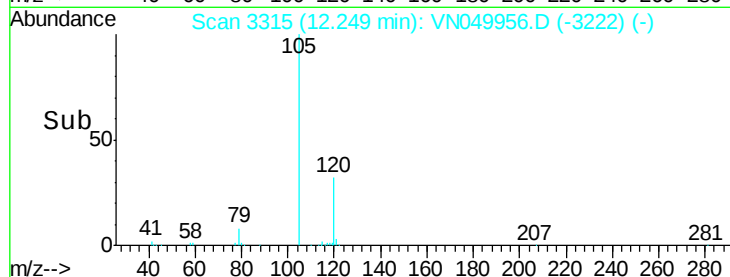
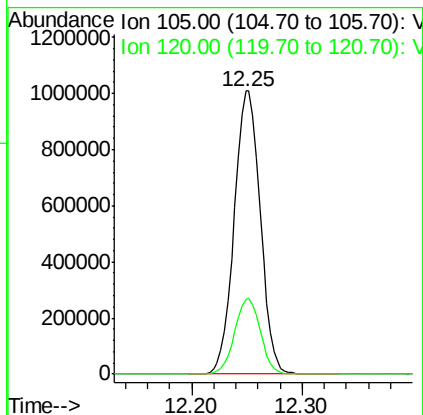
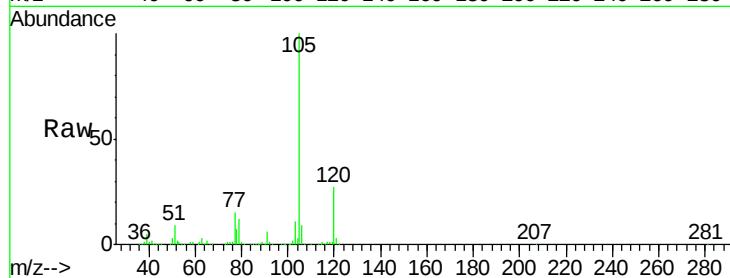
105 100

120 26.5 13.3 39.8

Manual Integrations
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#74

N-ethyl acetate

Concen: 46.47 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Tgt Ion: 43 Resp: 474073

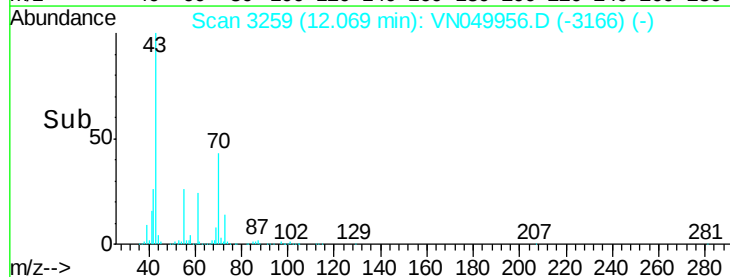
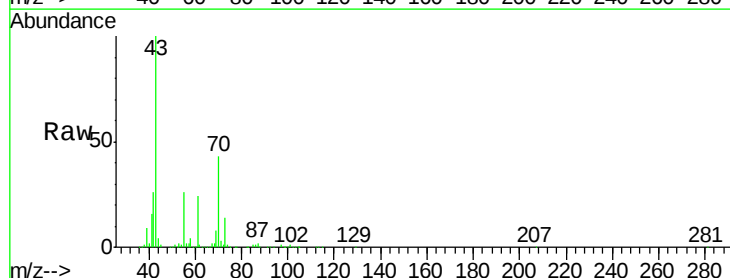
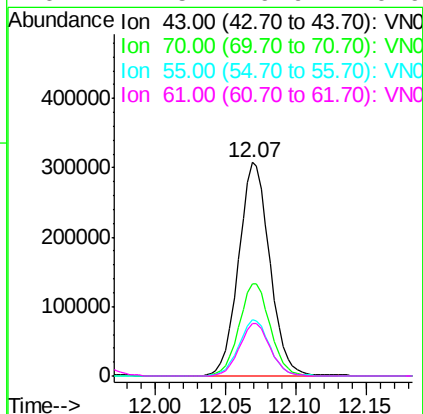
Ion Ratio Lower Upper

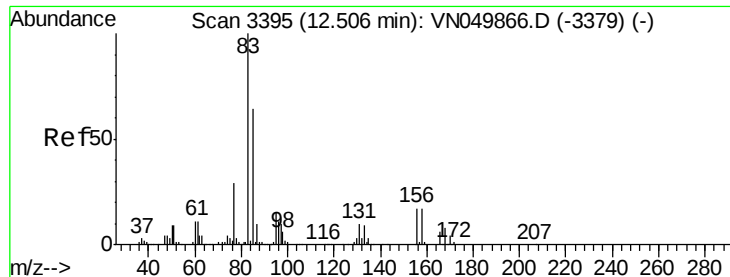
43 100

70 43.5 34.8 52.2

55 26.5 20.9 31.3

61 24.5 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 42.61 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 427912

Ion Ratio Lower Upper

83 100

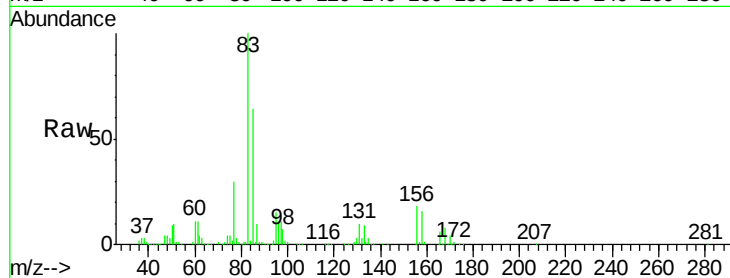
131 10.1 5.2 15.6

85 64.3 32.5 97.4

Manual Integrations
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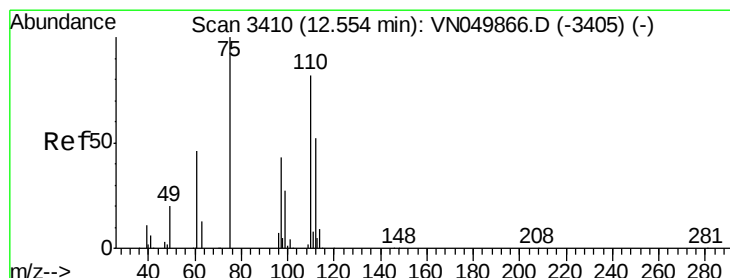
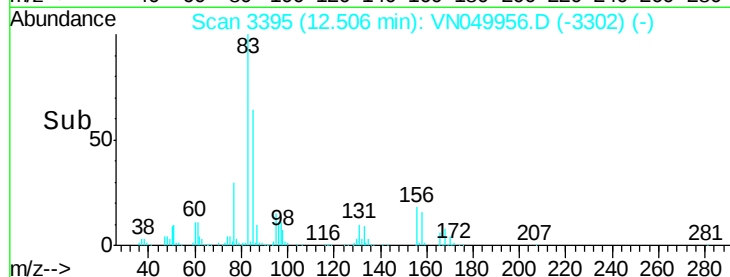
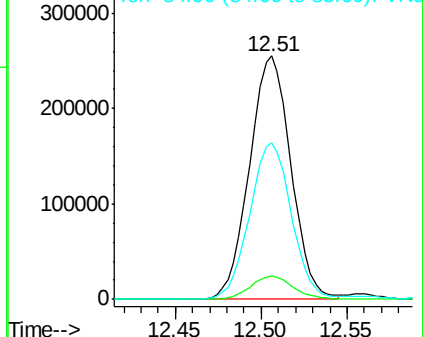
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Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 43.64 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN049956.D

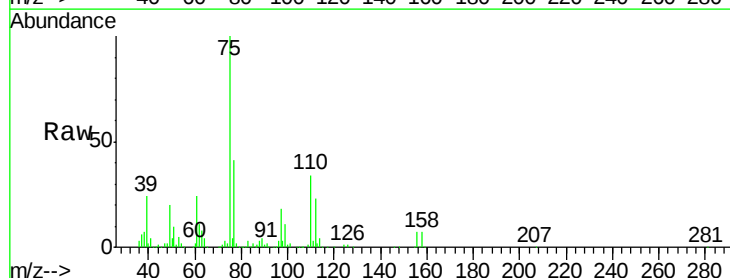
Acq: 20 Jul 2018 12:15

Tgt Ion: 75 Resp: 361264

Ion Ratio Lower Upper

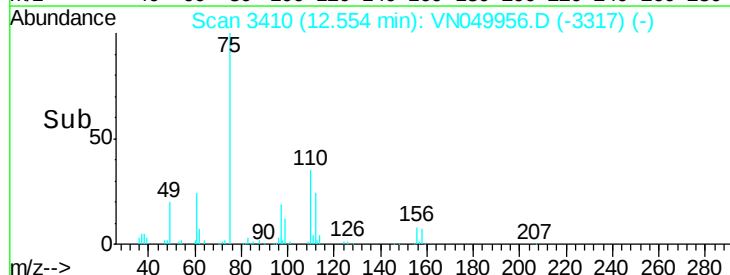
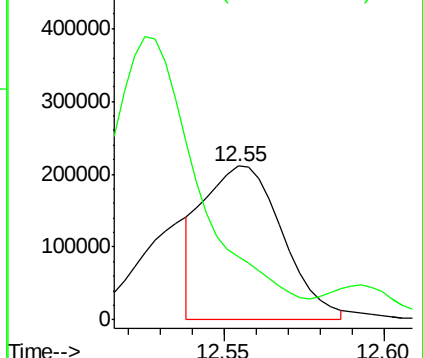
75 100

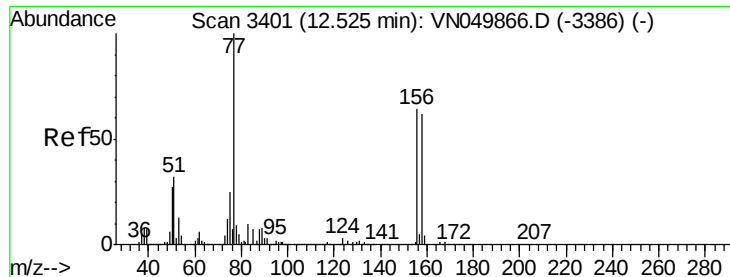
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 46.01 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 425879

Ion Ratio Lower Upper

156 100

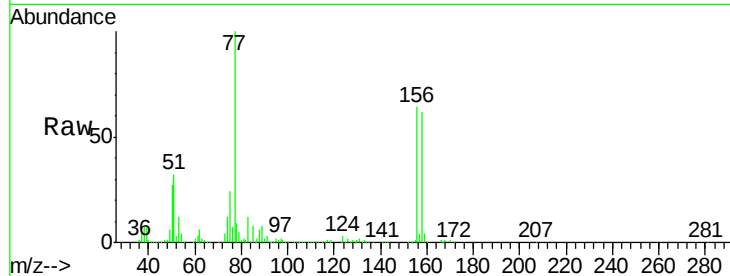
77 183.7 90.2 270.6

158 97.2 49.1 147.3

Manual Integrations
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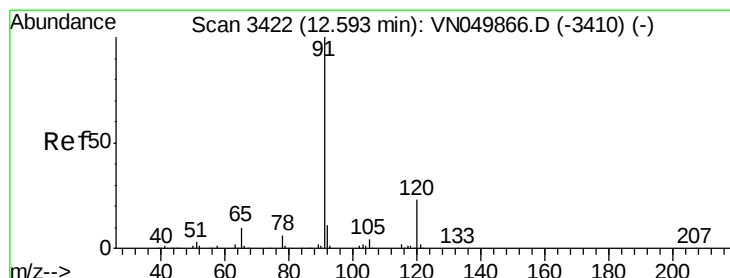
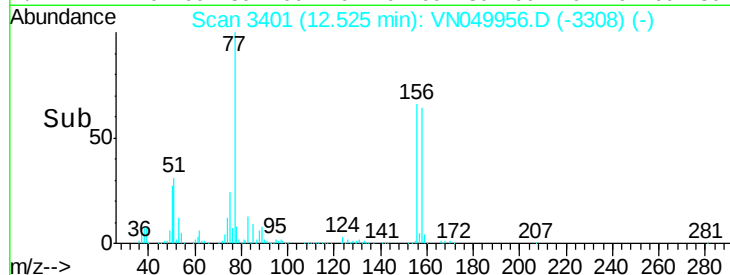
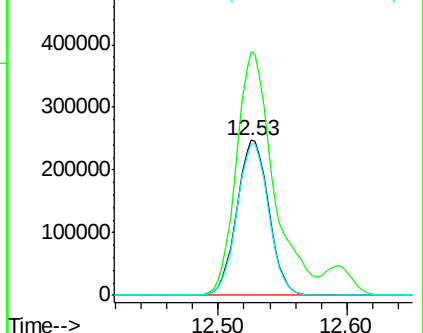
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.65 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049956.D

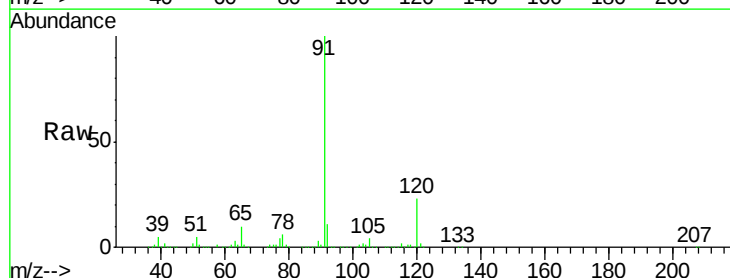
Acq: 20 Jul 2018 12:15

Tgt Ion: 91 Resp: 1930271

Ion Ratio Lower Upper

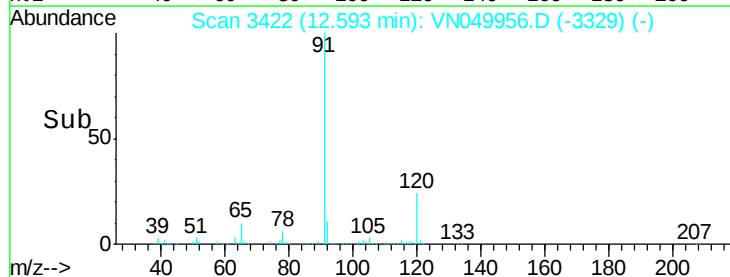
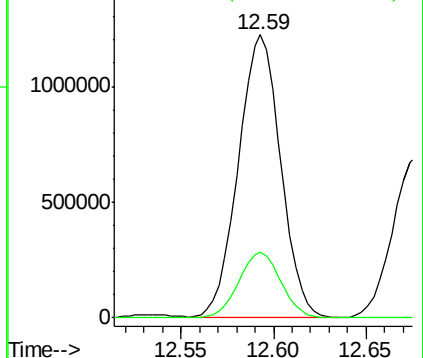
91 100

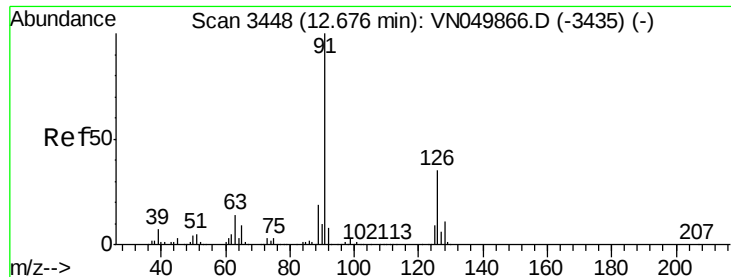
120 23.4 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.58 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1136719

Ion Ratio Lower Upper

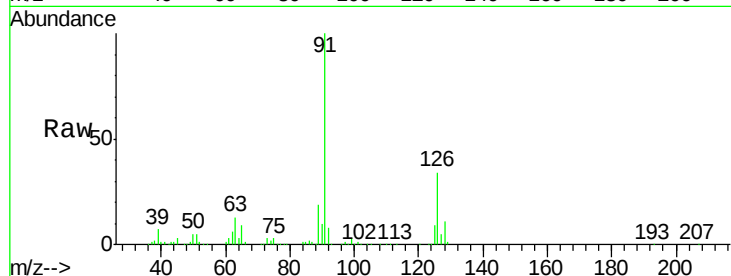
91 100

126 34.7 17.5 52.5

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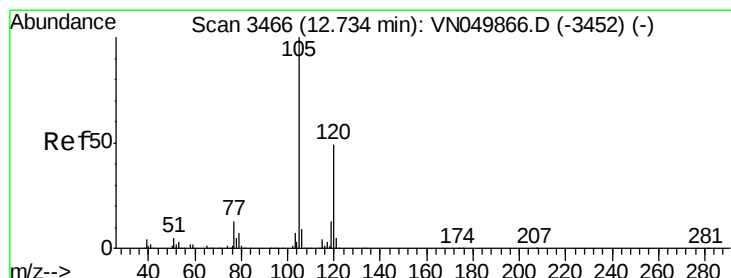
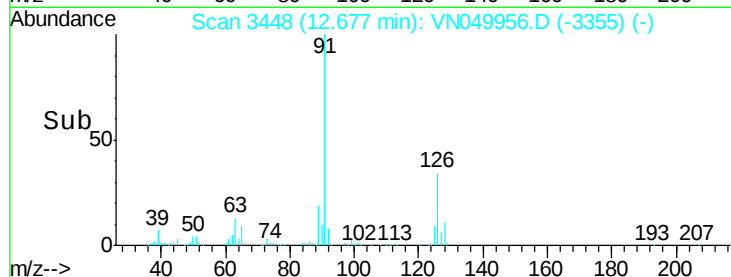
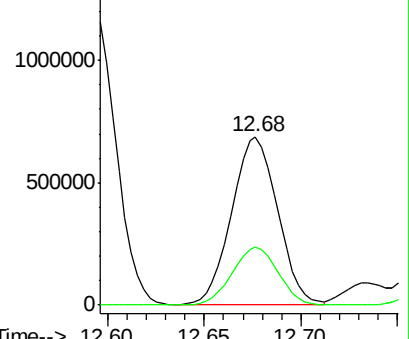
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Abundance Ion 91.00 (90.70 to 91.70): VN049866.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN049866.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.36 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049956.D

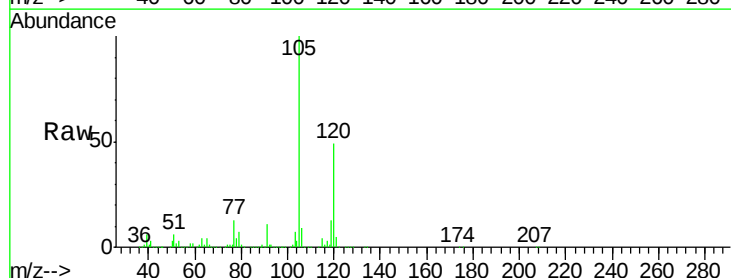
Acq: 20 Jul 2018 12:15

Tgt Ion: 105 Resp: 1379723

Ion Ratio Lower Upper

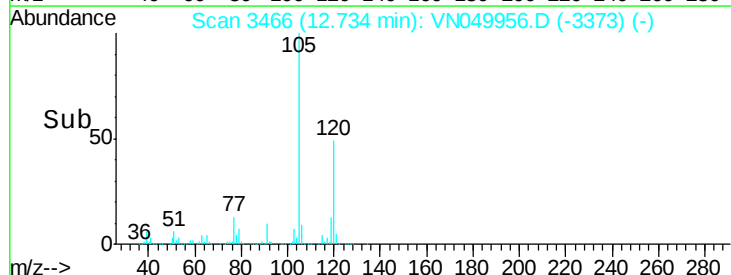
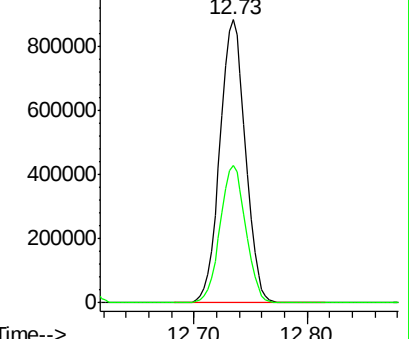
105 100

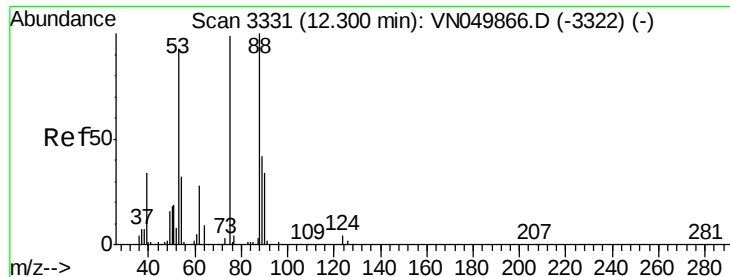
120 49.0 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049866.D (-3452) (-)

Ion 120.00 (119.70 to 120.70): VN049866.D (-3452) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 46.57 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_N

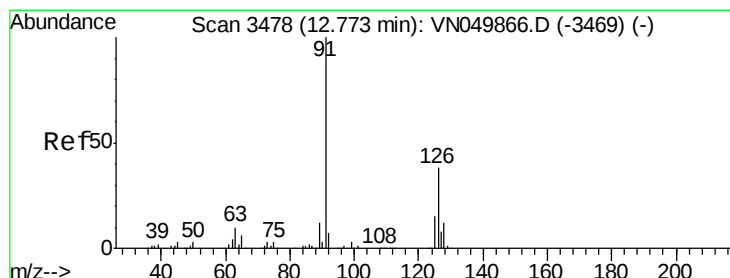
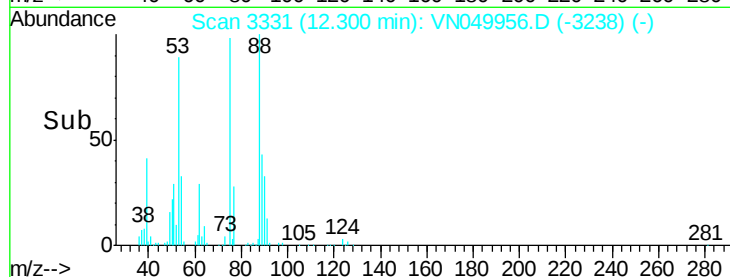
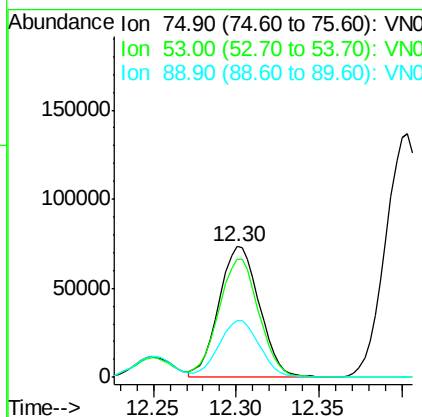
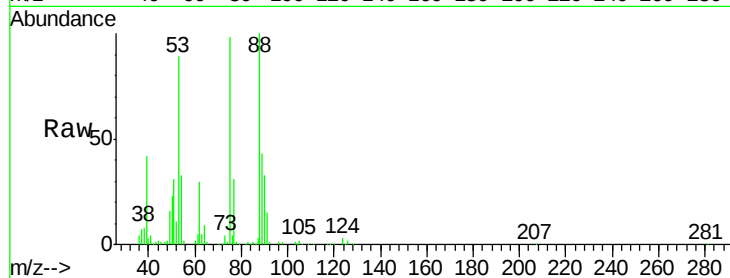
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	123292
Ion	Ratio	Lower	Upper
75	100		
53	91.3	73.9	110.9
89	44.6	35.9	53.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.99 ug/l

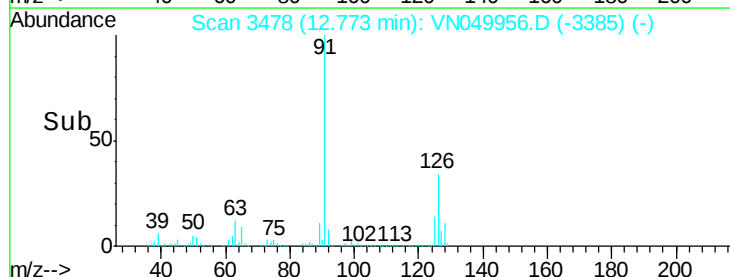
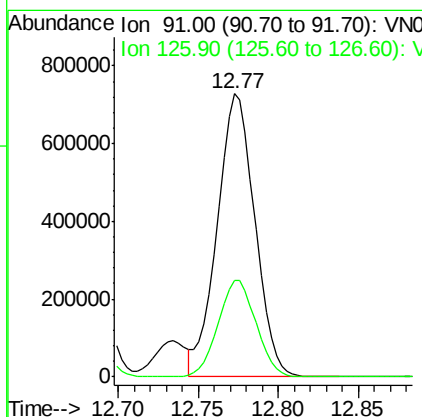
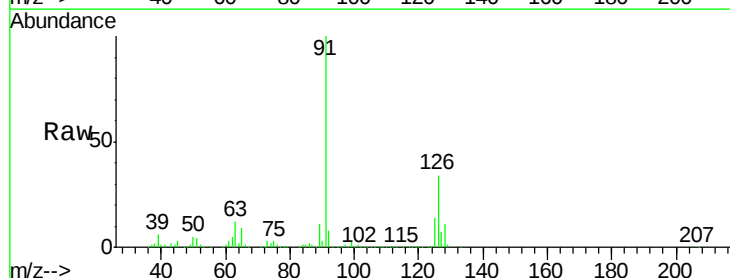
RT: 12.77 min Scan# 3478

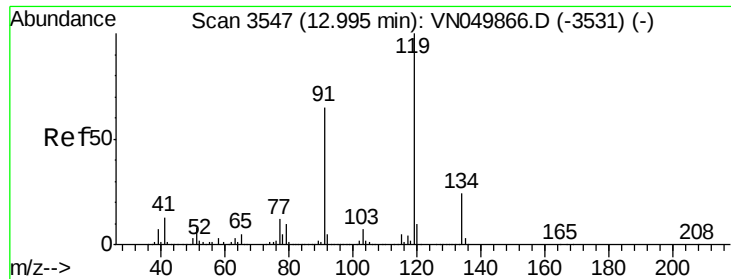
Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Tgt Ion:	91	Resp:	1173395
Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.2	51.6





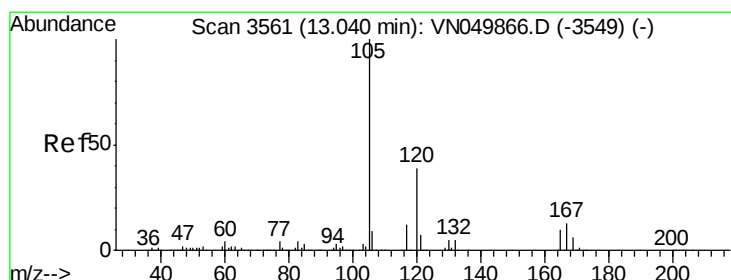
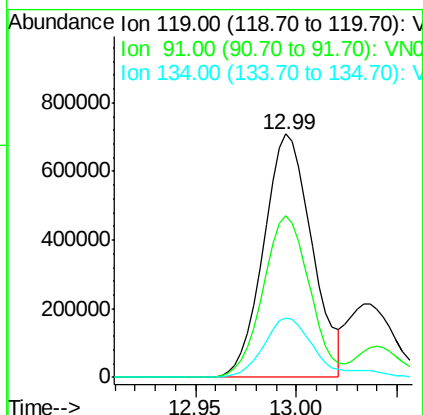
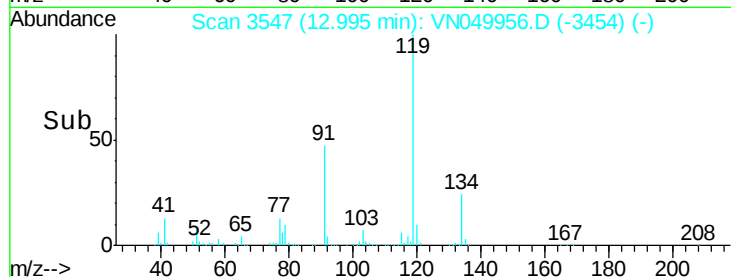
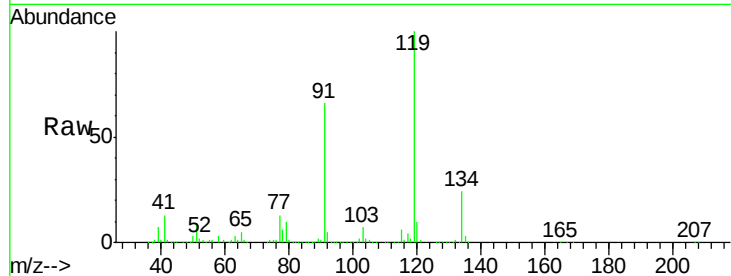
#83
 tert-Butylbenzene
 Concen: 49.97 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1178989
 Ion Ratio Lower Upper
 119 100
 91 64.4 32.0 96.2
 134 26.5 12.8 38.4

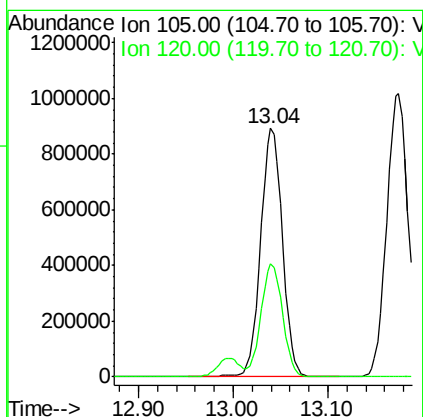
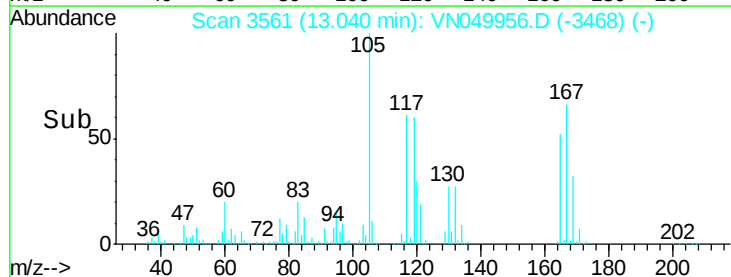
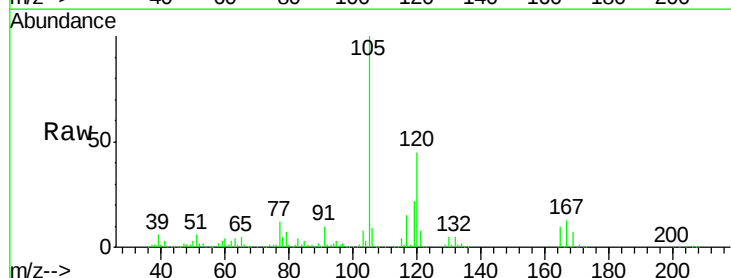
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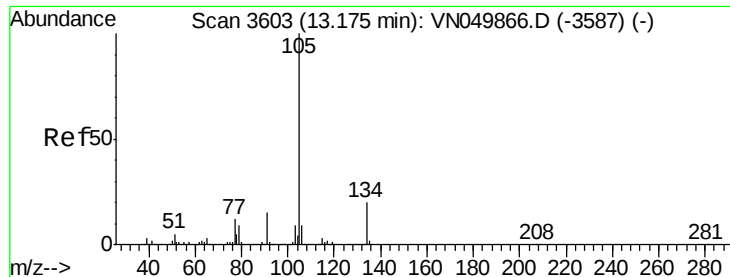
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.25 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Tgt Ion:105 Resp: 1421967
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.7 68.1





#85

sec-Butylbenzene

Concen: 51.63 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1609659

Ion Ratio Lower Upper

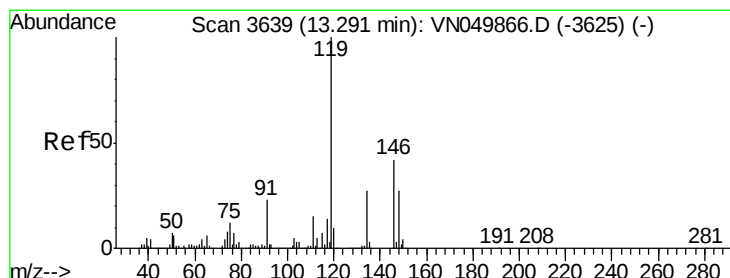
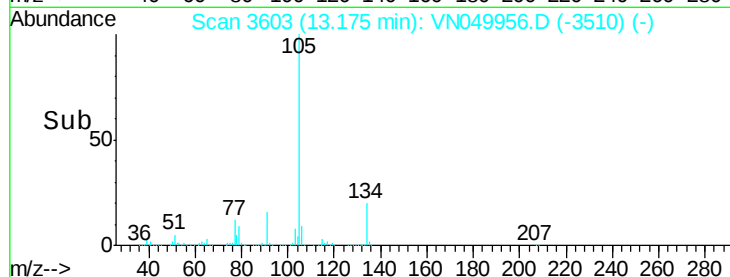
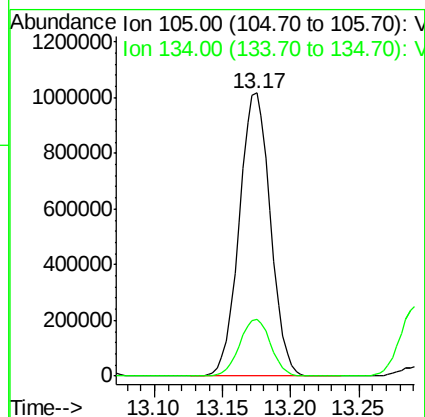
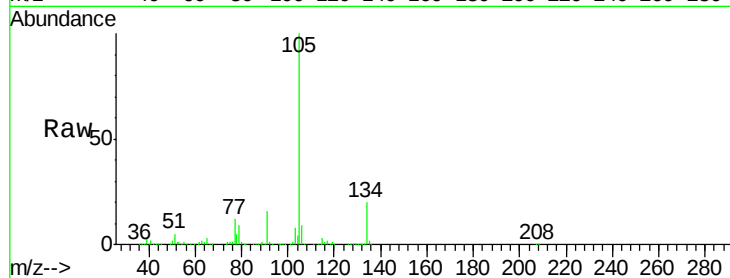
105 100

134 20.2 10.1 30.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 53.00 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049956.D

Acq: 20 Jul 2018 12:15

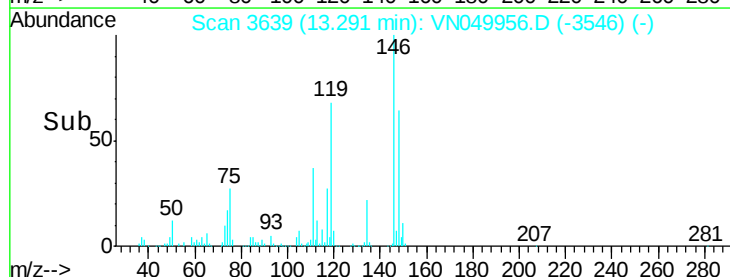
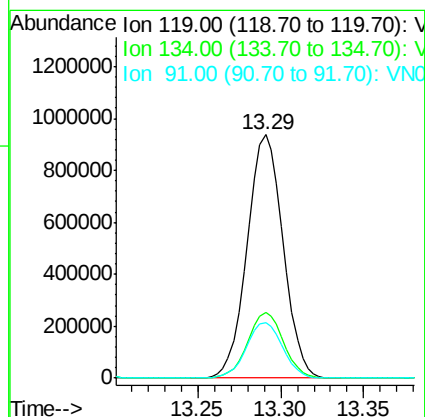
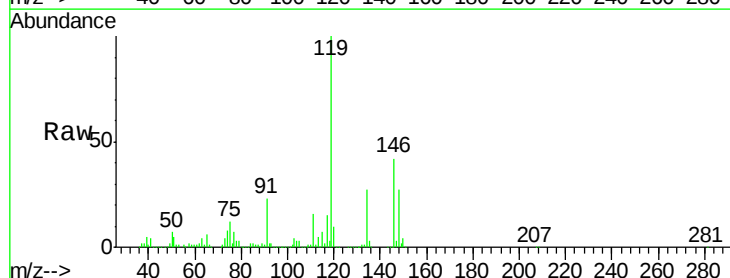
Tgt Ion:119 Resp: 1408742

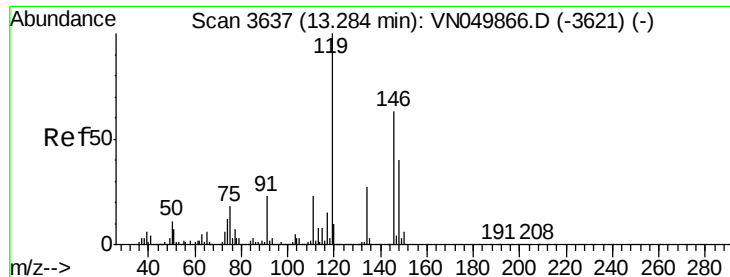
Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.9

91 23.1 11.4 34.1





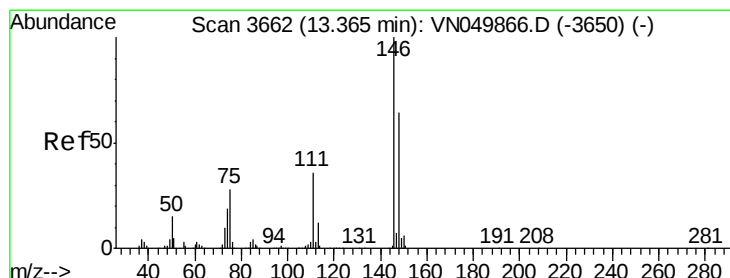
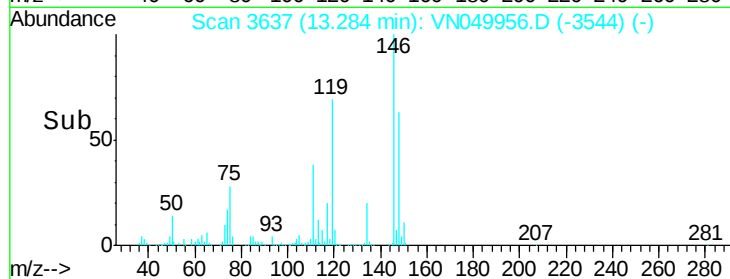
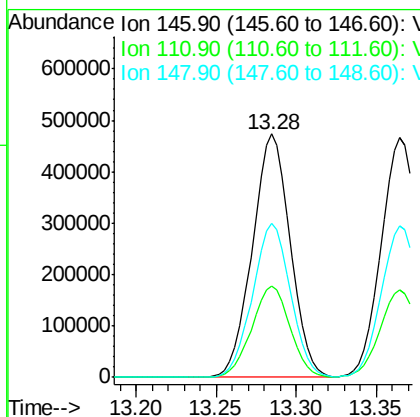
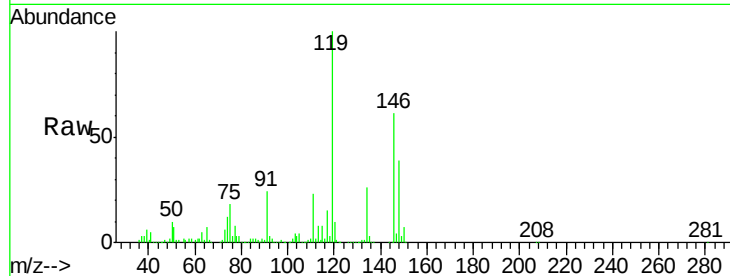
#87
 1,3-Dichlorobenzene
 Concen: 47.92 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.0	57.0
148	63.4	32.5	97.5

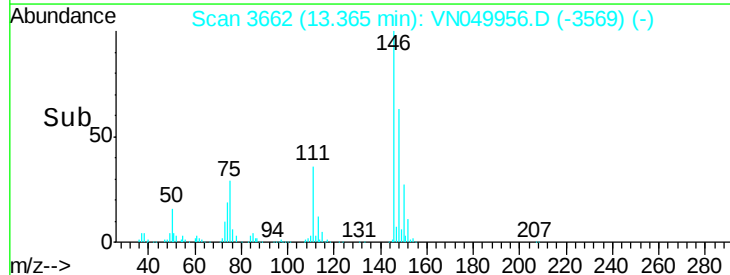
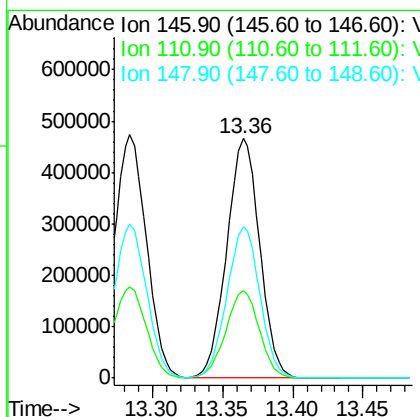
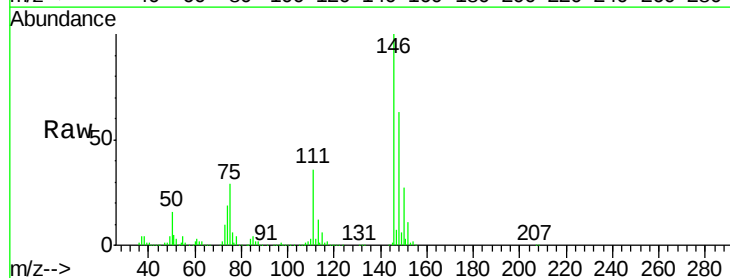
Manual Integrations
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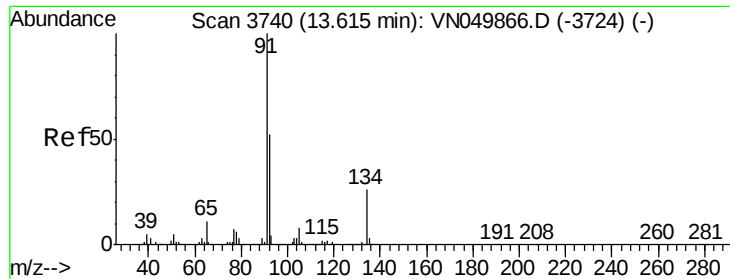
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#88
 1,4-Dichlorobenzene
 Concen: 47.00 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.9	56.5
148	63.6	32.1	96.3





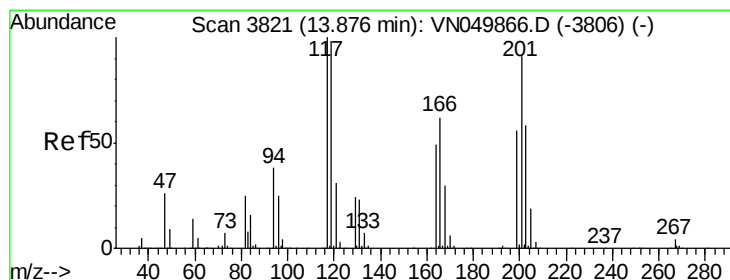
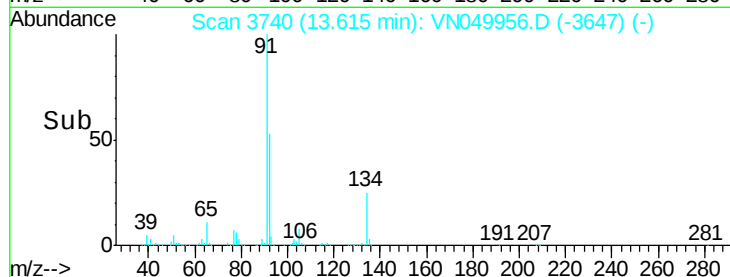
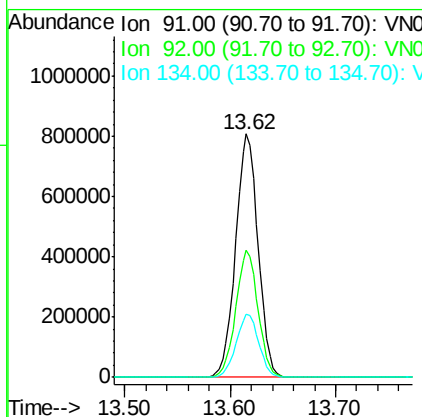
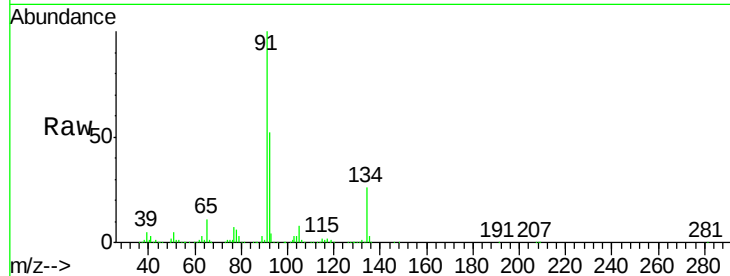
#89
n-Butylbenzene
Concen: 53.98 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.8	77.3
134	26.1	13.0	38.9

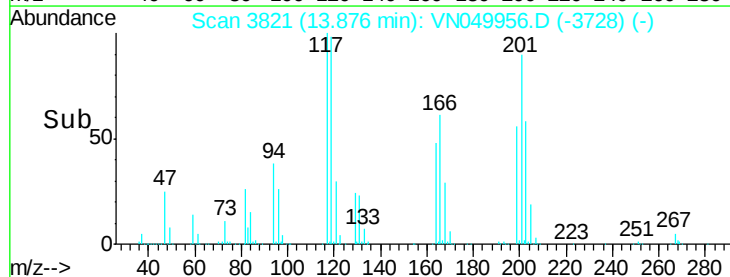
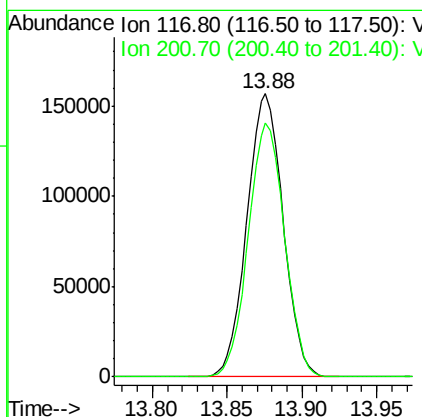
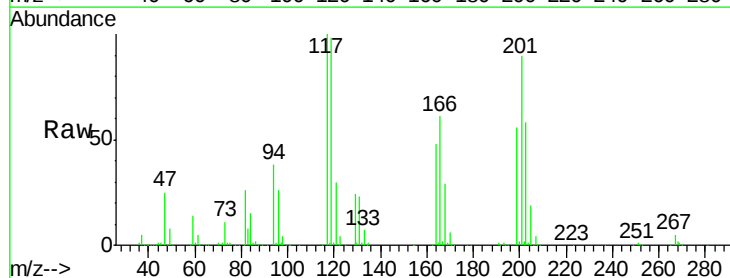
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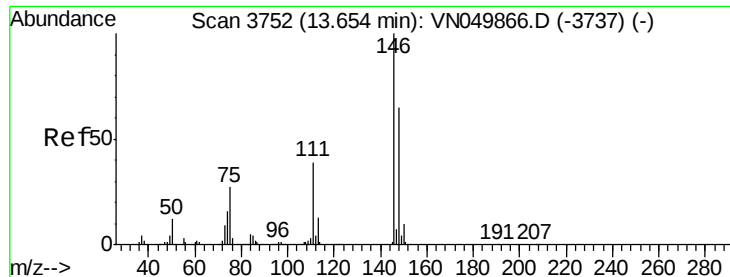
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#90
Hexachloroethane
Concen: 44.32 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.8	45.3	135.8





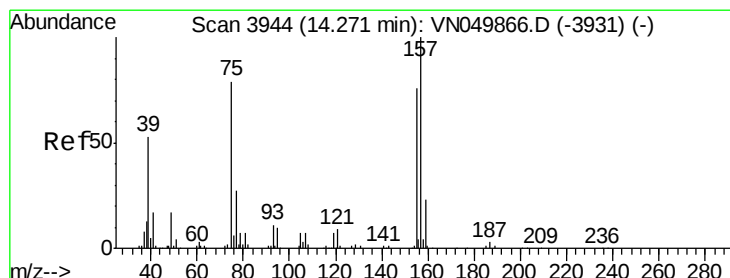
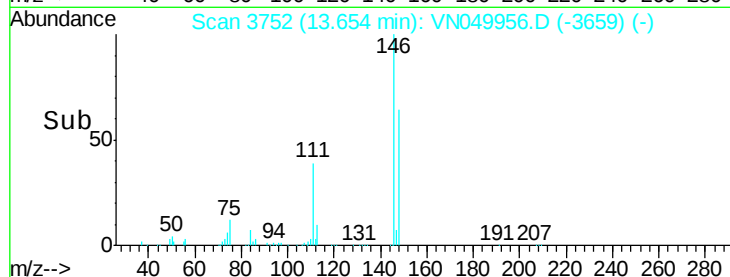
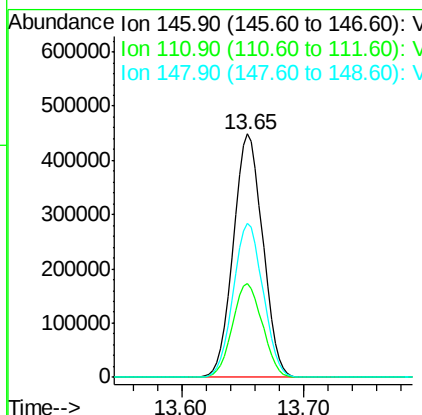
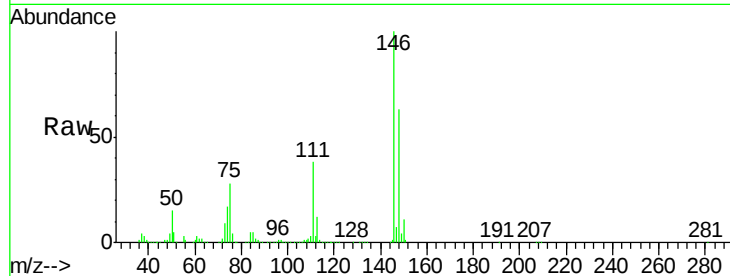
#91
 1,2-Dichlorobenzene
 Concen: 47.46 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.7	59.1
148	64.1	32.0	96.2

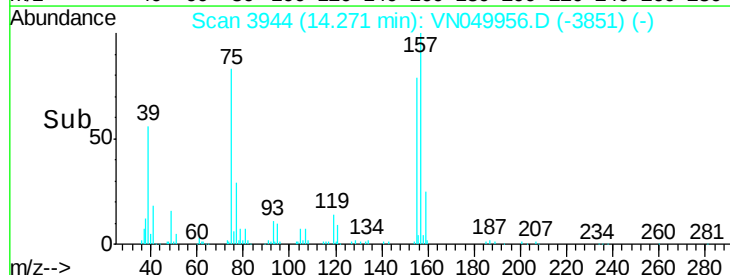
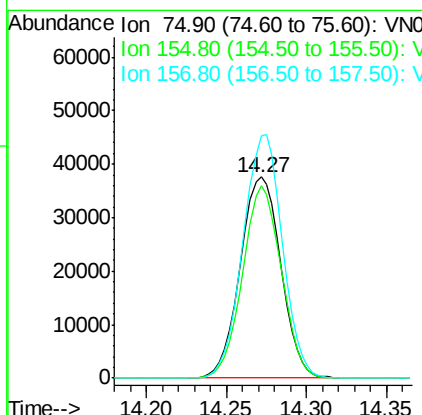
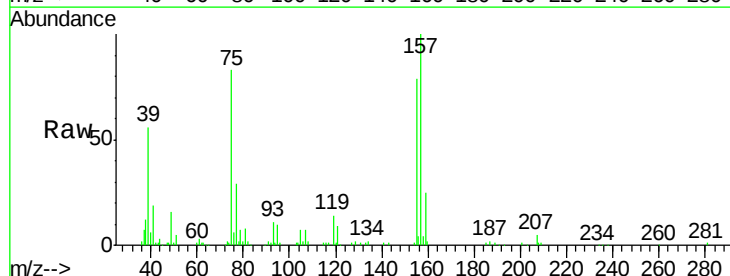
Manual Integrations
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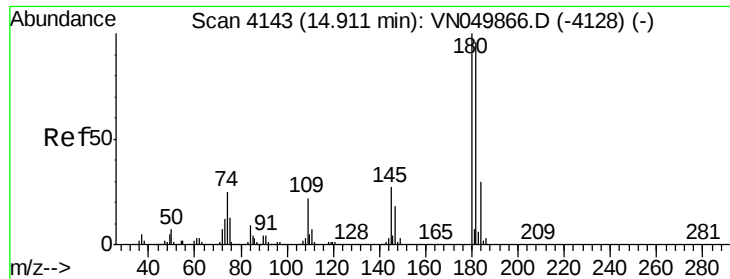
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.05 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.7	45.7	137.1
157	117.3	56.9	170.7





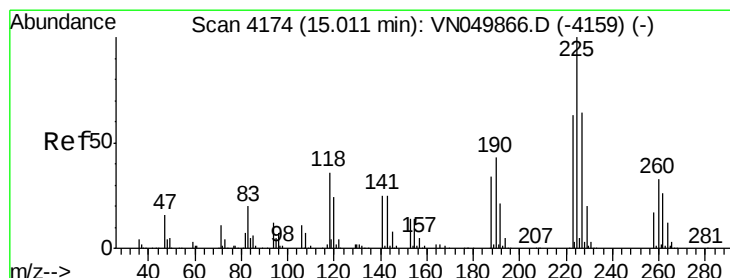
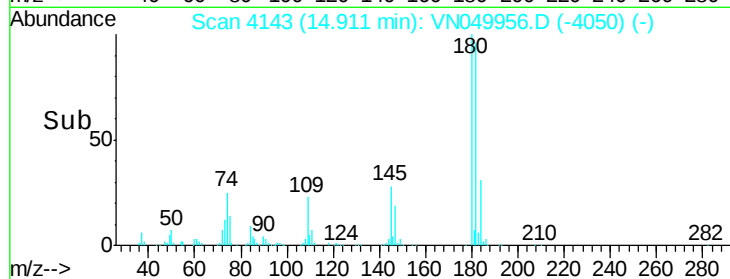
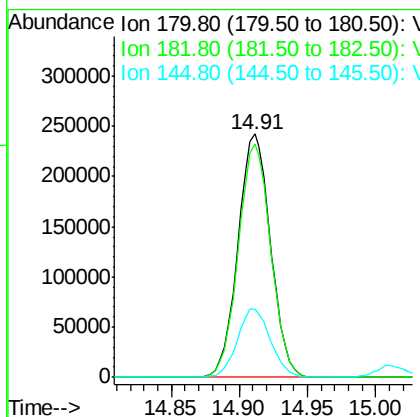
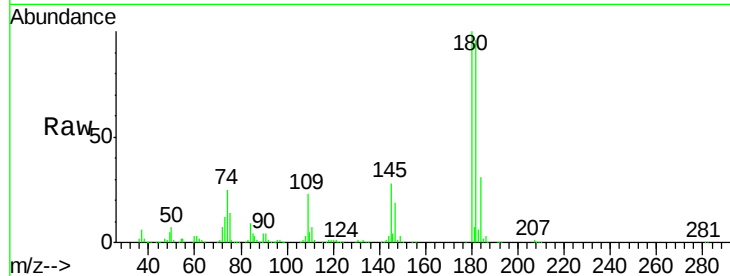
#93
 1,2,4-Trichlorobenzene
 Concen: 46.02 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	399789		
182	96.0	47.3	141.9	
145	28.6	14.4	43.0	

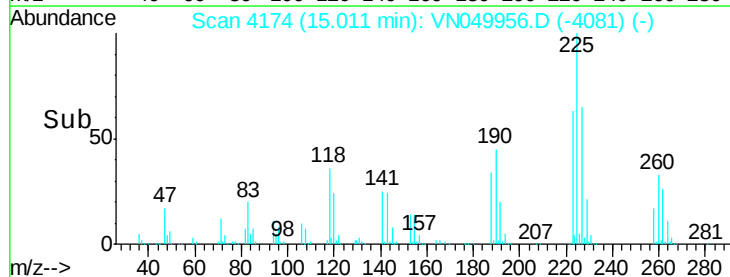
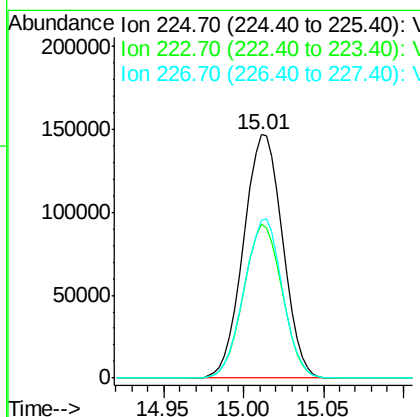
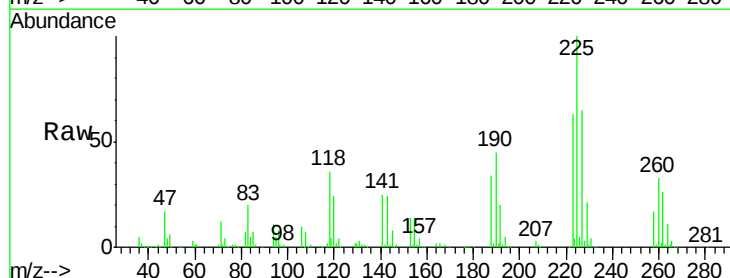
Manual Integrations
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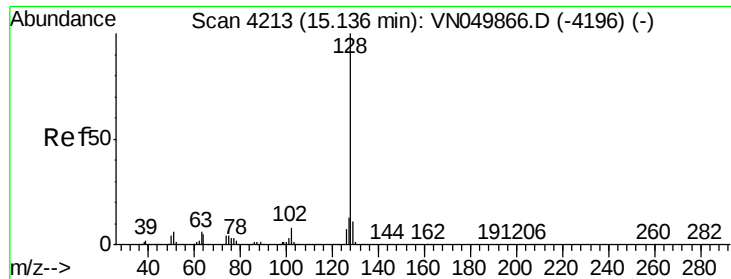
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#94
 Hexachlorobutadiene
 Concen: 47.18 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN049956.D
 Acq: 20 Jul 2018 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	245173		
223	62.1	30.9	92.7	
227	64.1	31.8	95.4	





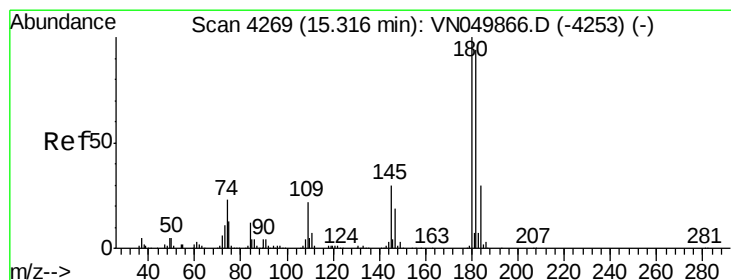
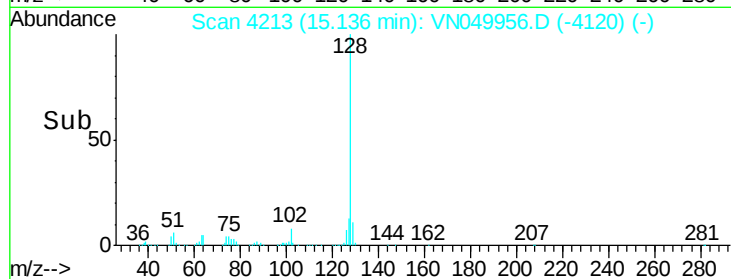
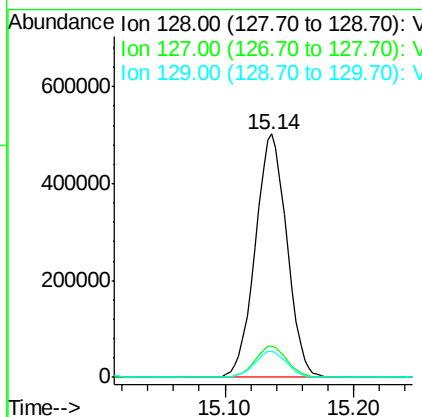
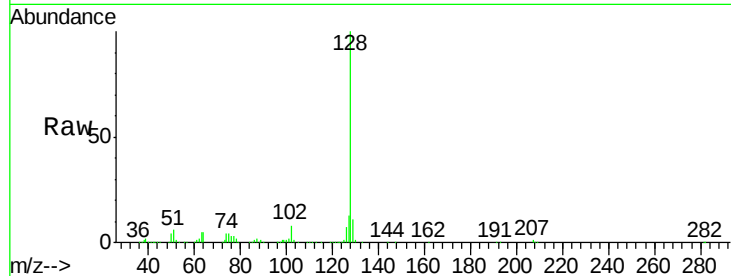
#95
Naphthalene
Concen: 41.88 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 52.41 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN049956.D
Acq: 20 Jul 2018 12:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.4	142.2
145	29.8	15.2	45.6

