

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071718\
 Data File : VN049841.D
 Acq On : 17 Jul 2018 11:55
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 7/18/2018 11:59:10 AM

Quant Time: Jul 17 12:24:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 17:24:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	631389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	917922	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	851127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	461688	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	437634	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
35) Dibromofluoromethane	7.59	113	383223	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
50) Toluene-d8	10.09	98	1430915	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
62) 4-Bromofluorobenzene	12.40	95	484902	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	286106	40.30	ug/l	97
3) Chloromethane	2.06	50	380477	41.04	ug/l	100
4) Vinyl Chloride	2.18	62	424221	43.51	ug/l	99
5) Bromomethane	2.55	94	250594	35.50	ug/l	99
6) Chloroethane	2.69	64	268828	44.65	ug/l	99
7) Trichlorofluoromethane	3.01	101	564875	44.60	ug/l	98
8) Diethyl Ether	3.41	74	206010	44.01	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	339779	43.36	ug/l	100
10) Methyl Iodide	3.95	142	495610	55.22	ug/l	98
11) Tert butyl alcohol	4.81	59	170891	192.56	ug/l	100
12) 1,1-Dichloroethene	3.73	96	316099	44.19	ug/l	98
13) Acrolein	3.61	56	143138	219.72	ug/l	99
14) Allyl chloride	4.32	41	514267	43.42	ug/l	99
15) Acrylonitrile	5.00	53	724893	217.94	ug/l	99
16) Acetone	3.82	43	543002	198.69	ug/l	99
17) Carbon Disulfide	4.05	76	935842	38.09	ug/l	99
18) Methyl Acetate	4.33	43	364946	36.83	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	962384	45.98	ug/l	99
20) Methylene Chloride	4.55	84	368514	42.08	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	344204	43.45	ug/l	99
22) Diisopropyl ether	5.96	45	1103746	48.48	ug/l	98
23) Vinyl Acetate	5.90	43	4119436	234.96	ug/l	99
24) 1,1-Dichloroethane	5.85	63	647440	45.56	ug/l	99
25) 2-Butanone	6.84	43	877247	210.62	ug/l	100
26) 2,2-Dichloropropane	6.83	77	497864	43.46	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	393188	45.86	ug/l	97
28) Bromochloromethane	7.20	49	322882	50.30	ug/l	97
29) Tetrahydrofuran	7.22	42	577346	214.35	ug/l	98
30) Chloroform	7.37	83	672011	45.93	ug/l	100
31) Cyclohexane	7.66	56	554375	39.35	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	579309	46.59	ug/l	100
36) 1,1-Dichloropropene	7.80	75	496841	46.84	ug/l	100
37) Ethyl Acetate	6.94	43	382693	45.66	ug/l	99
38) Carbon Tetrachloride	7.78	117	507854	46.56	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	529170	47.28	ug/l	99
40) Benzene	8.04	78	1507560	47.00	ug/l	99
41) Methacrylonitrile	7.18	41	206791	51.73	ug/l	99
42) 1,2-Dichloroethane	8.13	62	498366	47.21	ug/l	99
43) Isopropyl Acetate	8.17	43	648422	32.24	ug/l	96
44) Trichloroethene	8.84	130	390084	45.99	ug/l	99
45) 1,2-Dichloropropane	9.12	63	394595	47.67	ug/l	99
46) Dibromomethane	9.21	93	253197	46.07	ug/l	99
47) Bromodichloromethane	9.41	83	519903	47.55	ug/l	99
48) Methyl methacrylate	9.20	41	323528	45.43	ug/l	99
49) 1,4-Dioxane	9.20	88	98787	850.58	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1981397	230.59	ug/l	100
52) Toluene	10.16	92	948206	49.16	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	535084	47.33	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	597590	48.39	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	366231	47.05	ug/l	98
56) Ethyl methacrylate	10.43	69	498272	48.52	ug/l	98
57) 1,3-Dichloropropane	10.71	76	605459	47.50	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1210883	252.74	ug/l	100
59) 2-Hexanone	10.76	43	1384323	227.22	ug/l	99
60) Dibromochloromethane	10.90	129	413629	47.59	ug/l	99
61) 1,2-Dibromoethane	11.01	107	367939	47.45	ug/l	99
64) Tetrachloroethene	10.63	164	356557	45.40	ug/l	99
65) Chlorobenzene	11.44	112	1023008	46.47	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	388144	47.45	ug/l	99
67) Ethyl Benzene	11.51	91	1766762	49.05	ug/l	99
68) m/p-Xylenes	11.62	106	1359619	99.03	ug/l	98
69) o-Xylene	11.95	106	652000	49.95	ug/l	97
70) Styrene	11.97	104	1083032	50.69	ug/l	100
71) Bromoform	12.13	173	310671	47.76	ug/l #	99
73) Isopropylbenzene	12.25	105	1736794	47.30	ug/l	100
74) N-amyl acetate	12.07	43	577446	44.91	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	507579	42.56	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	412049m	41.36	ug/l	
77) Bromobenzene	12.53	156	453006	45.35	ug/l	97
78) n-propylbenzene	12.59	91	1992266	47.85	ug/l	100
79) 2-Chlorotoluene	12.68	91	1194188	46.25	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1407600	48.33	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	145708	46.15	ug/l	99
82) 4-Chlorotoluene	12.78	91	1198805	45.74	ug/l	100
83) tert-Butylbenzene	12.99	119	1223656	47.49	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1455799	49.06	ug/l	100
85) sec-Butylbenzene	13.17	105	1634927	47.76	ug/l	100
86) p-Isopropyltoluene	13.29	119	1421493	48.70	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	792615	44.72	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	775023	43.06	ug/l	99
89) n-Butylbenzene	13.62	91	1162615	47.26	ug/l	100
90) Hexachloroethane	13.88	117	274353	44.26	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	788468	45.11	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	83339	39.68	ug/l	98

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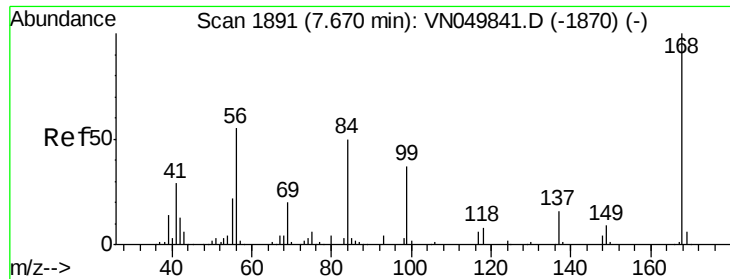
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	407226	45.87	ug/l	99
94) Hexachlorobutadiene	15.01	225	238693	43.82	ug/l	99
95) Naphthalene	15.14	128	999980	45.23	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	412280	44.13	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.00 min

Lab File: VN049841.D

Acq: 17 Jul 2018 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 631389

Ion Ratio Lower Upper

168 100

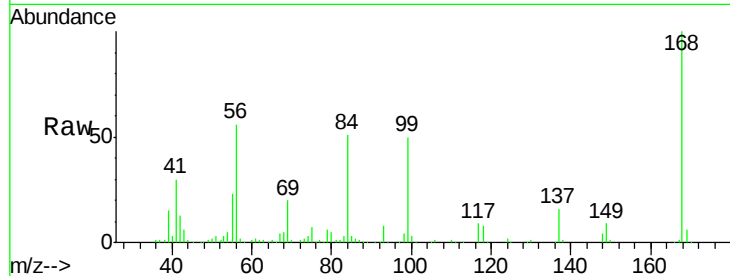
99 50.1 40.6 61.0

Manual Integrations

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7/18/2018 11:59:10 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

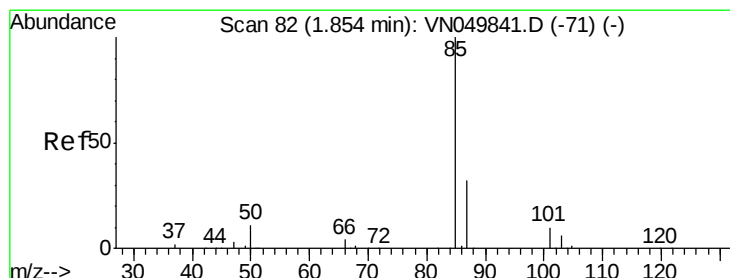
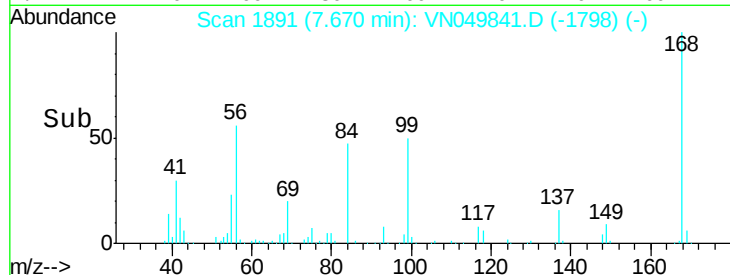
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50000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 40.30 ug/l

RT: 1.85 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN049841.D

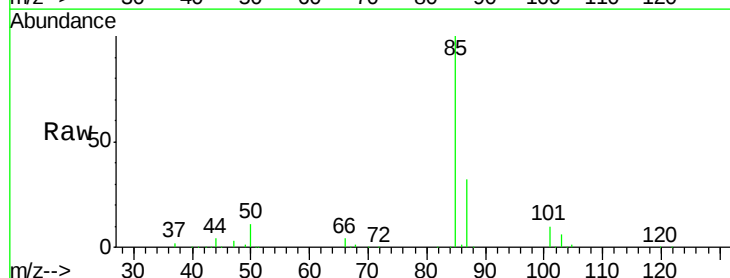
Acq: 17 Jul 2018 11:55

Tgt Ion: 85 Resp: 286106

Ion Ratio Lower Upper

85 100

87 32.3 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

200000

150000

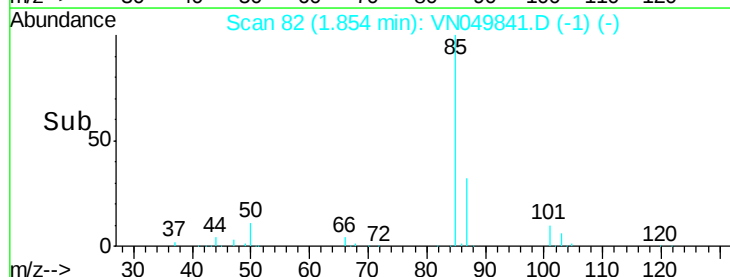
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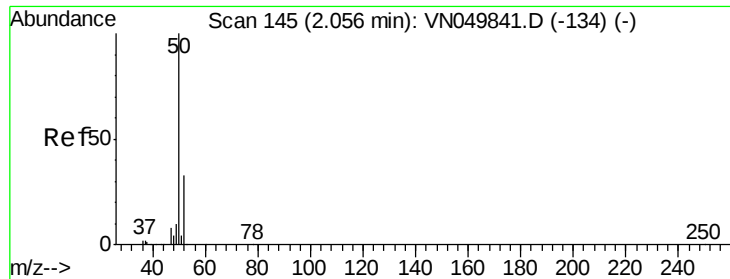
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 41.04 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049841.D

Acq: 17 Jul 2018 11:55

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 50 Resp: 380477

Ion Ratio Lower Upper

50 100

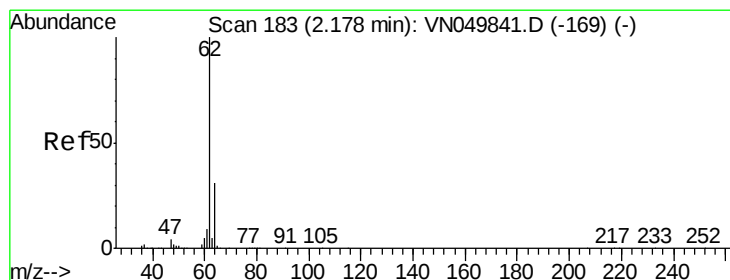
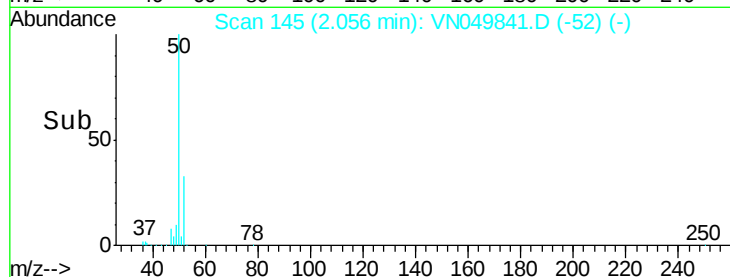
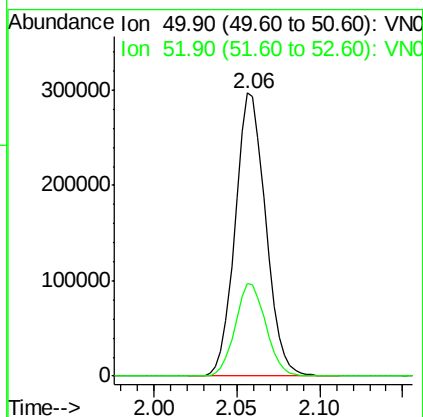
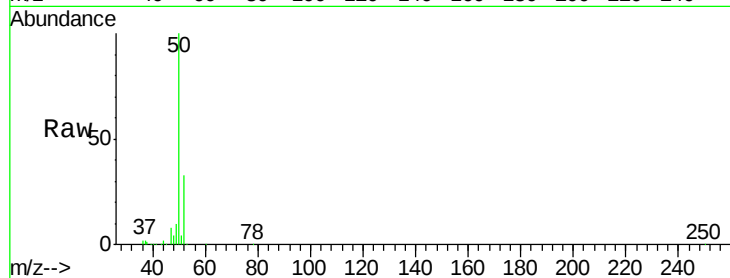
52 32.8 26.1 39.1

Manual Integrations

APPROVED

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#4

Vinyl Chloride

Concen: 43.51 ug/l

RT: 2.18 min Scan# 183

Delta R.T. -0.00 min

Lab File: VN049841.D

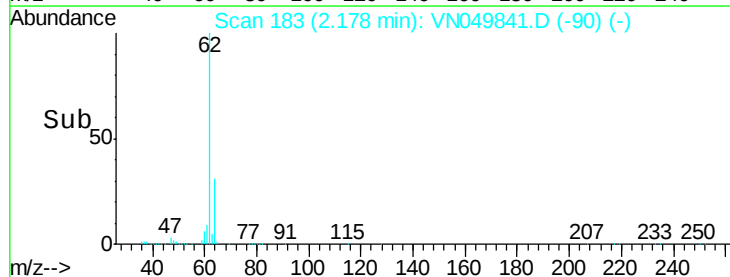
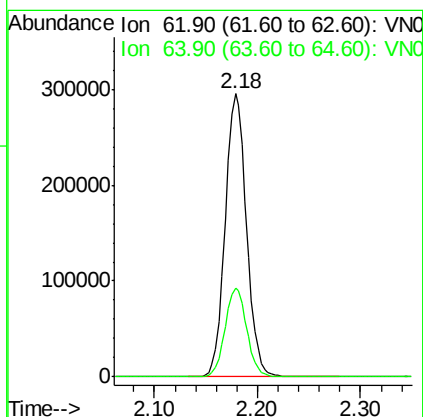
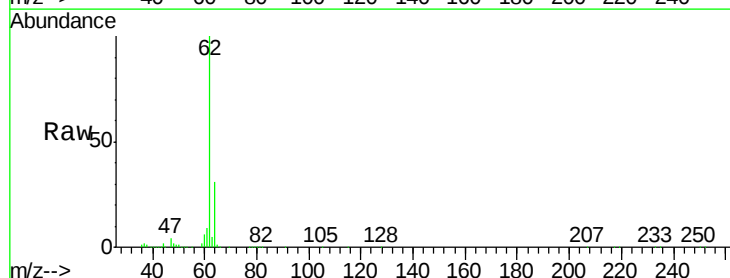
Acq: 17 Jul 2018 11:55

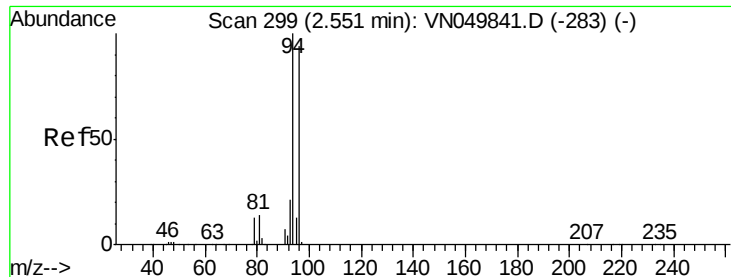
Tgt Ion: 62 Resp: 424221

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.0





#5

Bromomethane

Concen: 35.50 ug/l

RT: 2.55 min Scan# 299

Delta R.T. 0.01 min

Lab File: VN049841.D

Acq: 17 Jul 2018 11:55

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 94 Resp: 250594

Ion Ratio Lower Upper

94 100

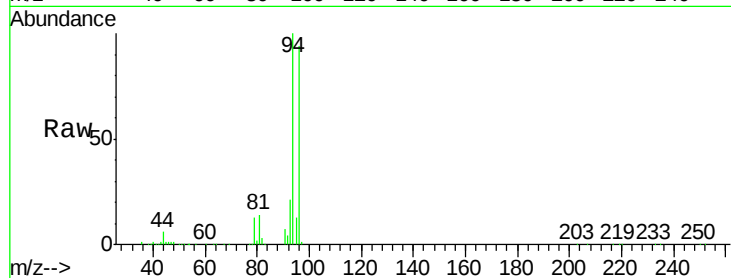
96 93.9 75.7 113.5

Manual Integrations

APPROVED

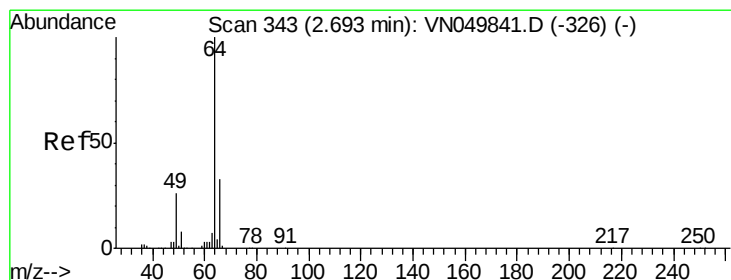
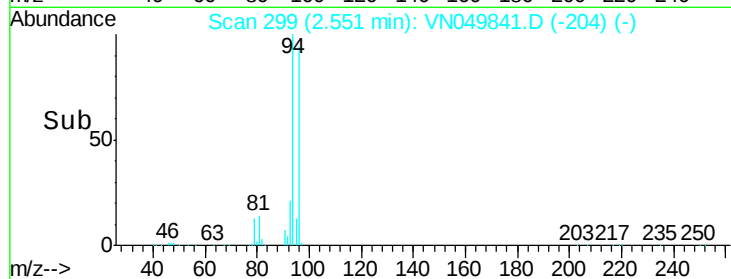
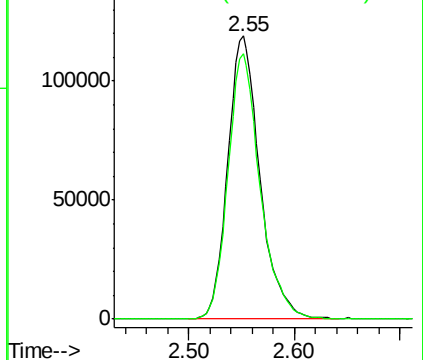
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 44.65 ug/l

RT: 2.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VN049841.D

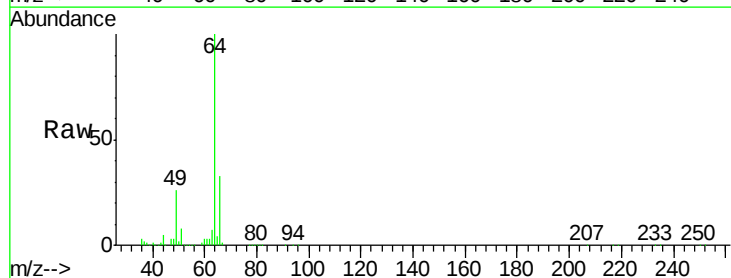
Acq: 17 Jul 2018 11:55

Tgt Ion: 64 Resp: 268828

Ion Ratio Lower Upper

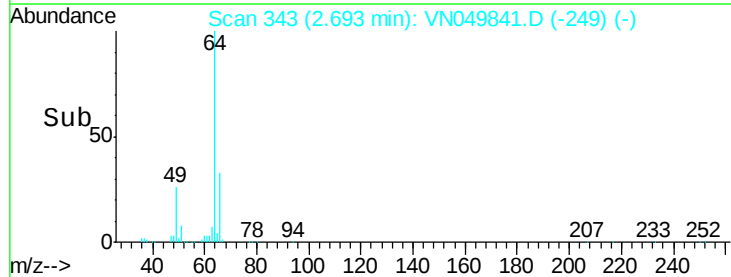
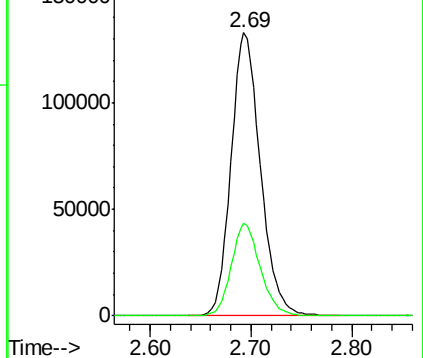
64 100

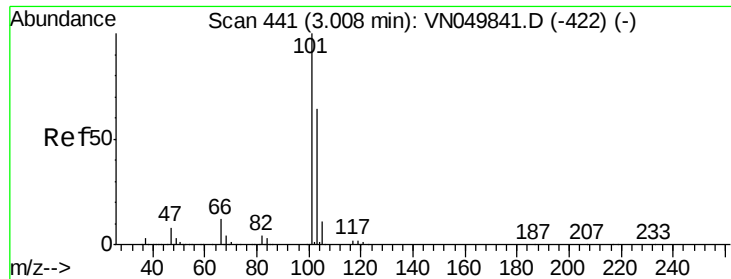
66 32.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

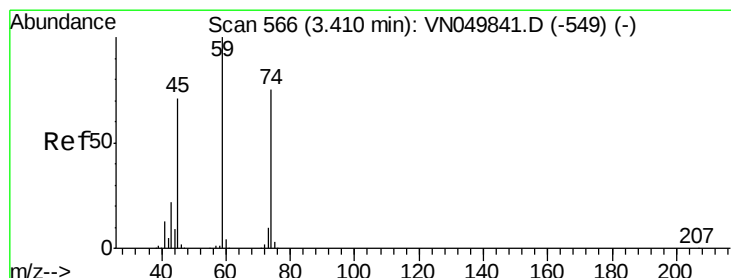
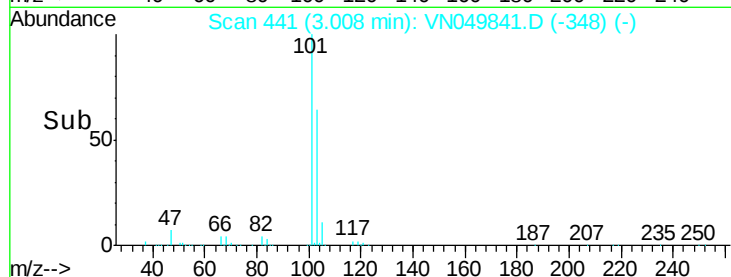
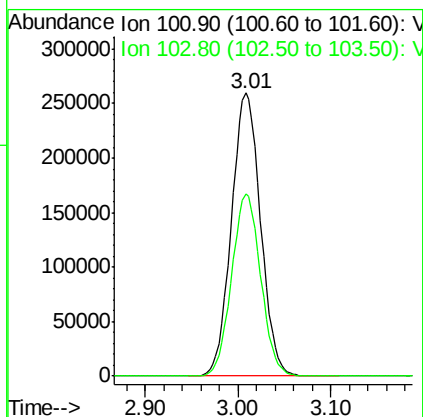
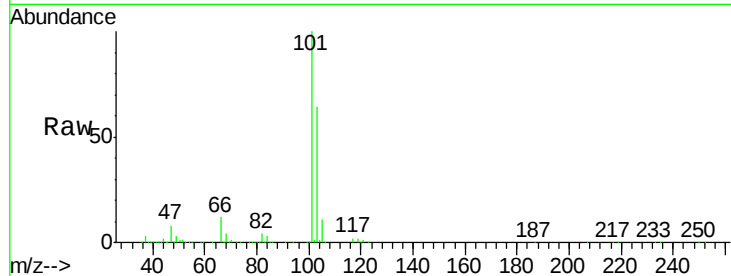
Trichlorofluoromethane
 Concen: 44.60 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VN049841.D
 Acq: 17 Jul 2018 11:55

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 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.8	79.2

Manual Integrations
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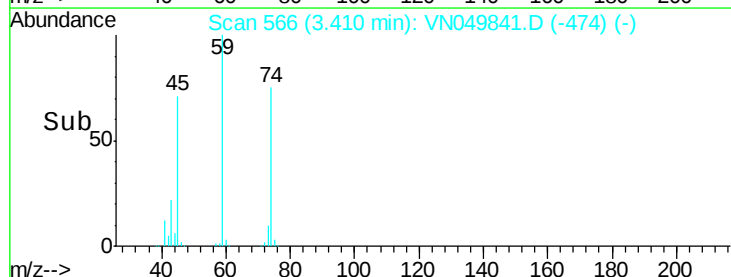
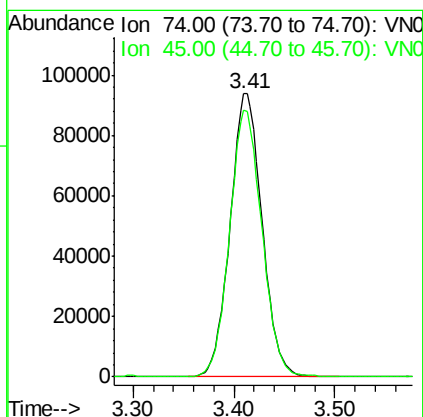
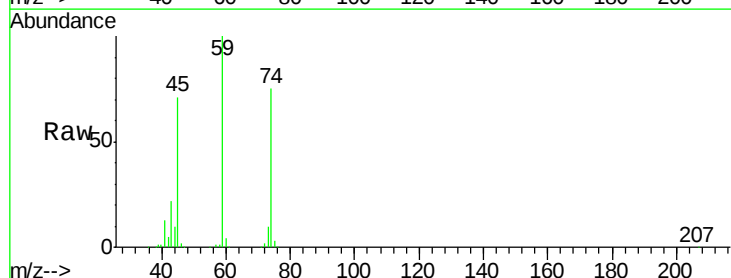
MMDadoda
 7/18/2018 11:59:10 AM

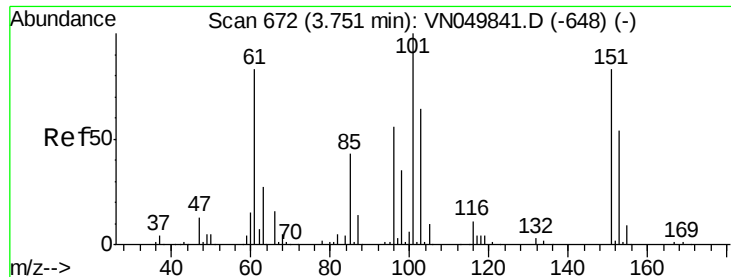


#8

Diethyl Ether
 Concen: 44.01 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN049841.D
 Acq: 17 Jul 2018 11:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.0	48.4	145.2





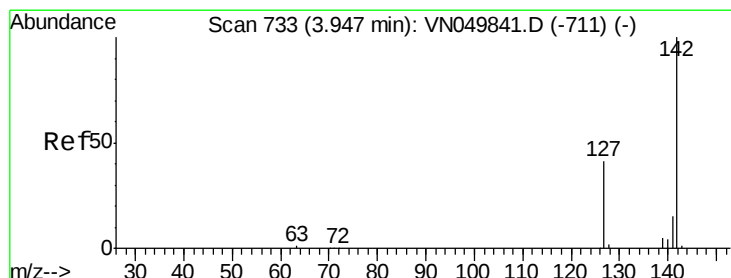
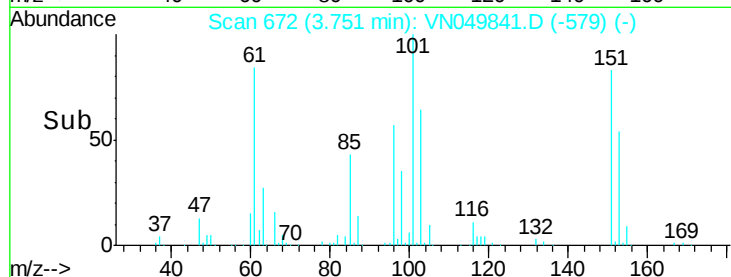
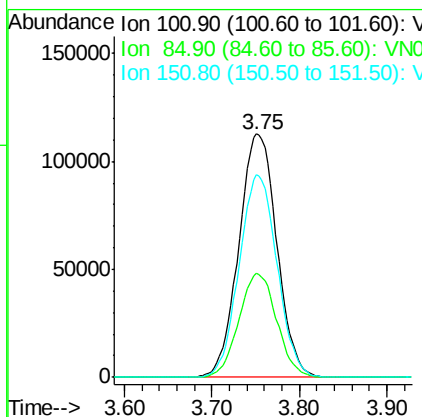
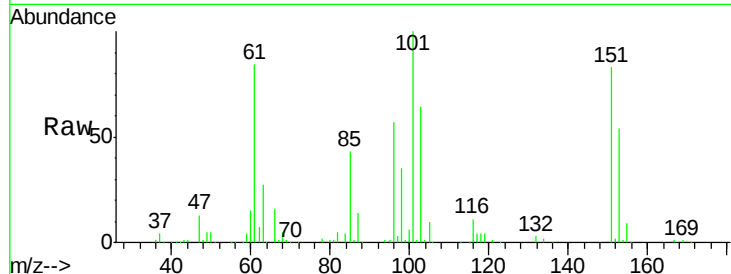
#9
1,1,2-Trichlorotrifluoroethane
Concen: 43.36 ug/l
RT: 3.75 min Scan# 672
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.5	34.4	51.6
151	83.1	66.2	99.4

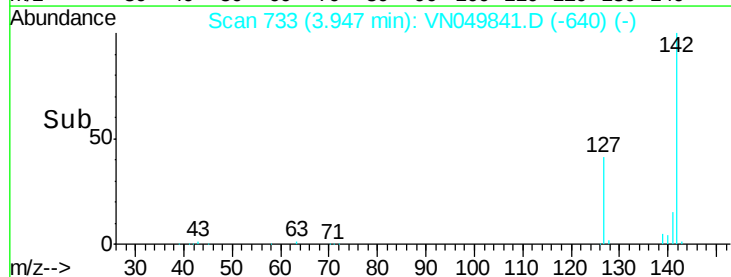
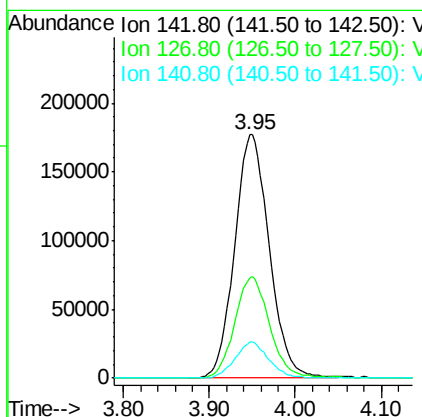
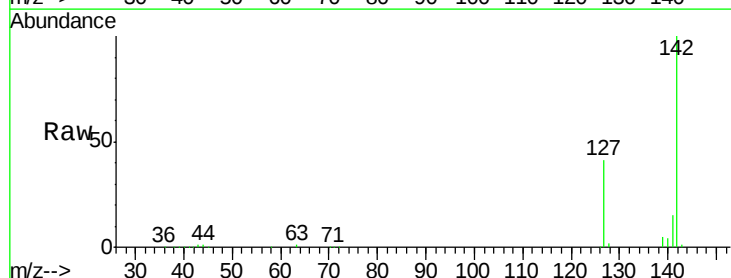
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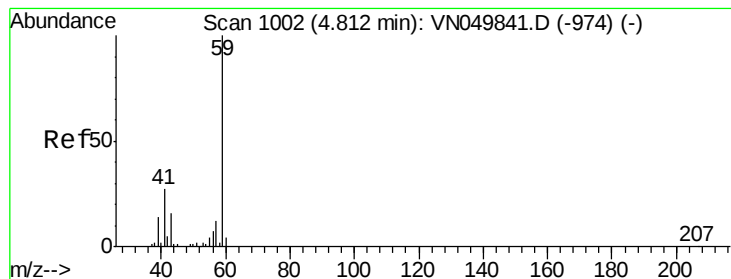
MMDadoda
7/18/2018 11:59:10 AM



#10
Methyl Iodide
Concen: 55.22 ug/l
RT: 3.95 min Scan# 733
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.8	32.5	48.7
141	14.5	11.1	16.7





#11

Tert butyl alcohol

Concen: 192.56 ug/l

RT: 4.81 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN049841.D

Acq: 17 Jul 2018 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 59 Resp: 170891

Ion Ratio Lower Upper

59 100

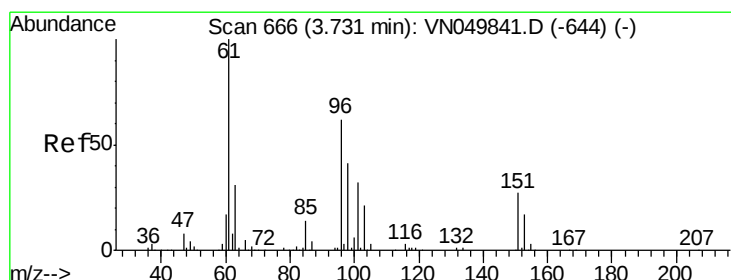
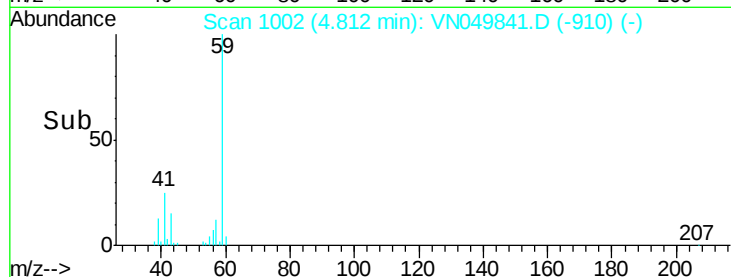
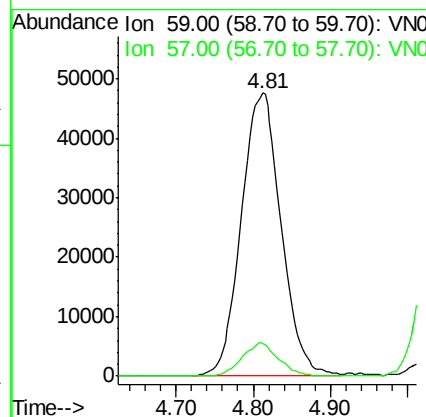
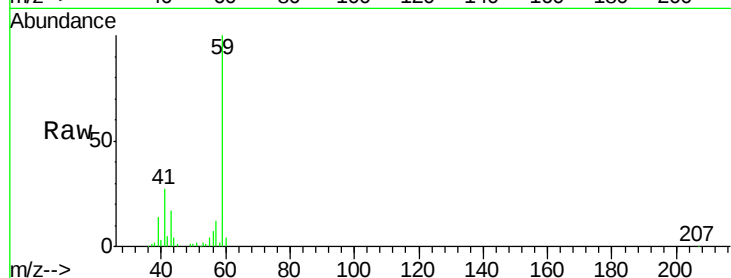
57 10.6 8.5 12.7

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7/18/2018 11:59:10 AM



#12

1,1-Dichloroethene

Concen: 44.19 ug/l

RT: 3.73 min Scan# 666

Delta R.T. 0.00 min

Lab File: VN049841.D

Acq: 17 Jul 2018 11:55

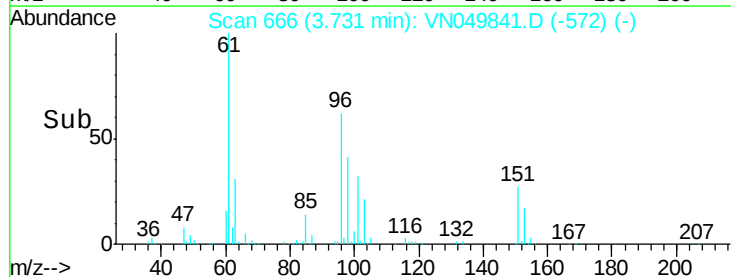
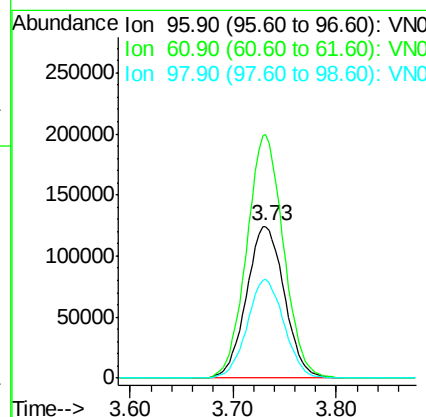
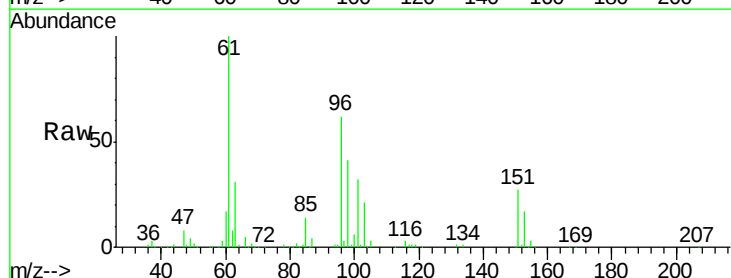
Tgt Ion: 96 Resp: 316099

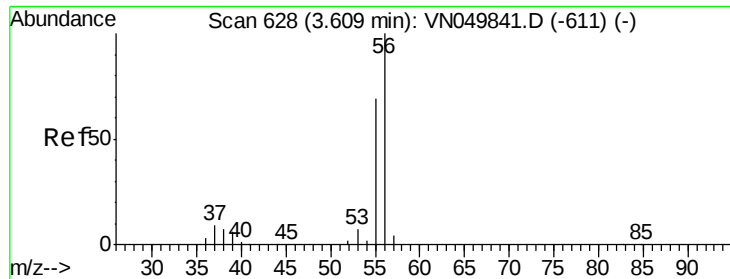
Ion Ratio Lower Upper

96 100

61 160.3 126.5 189.7

98 64.9 51.0 76.6





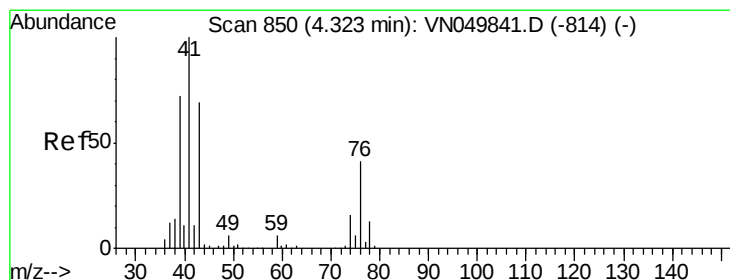
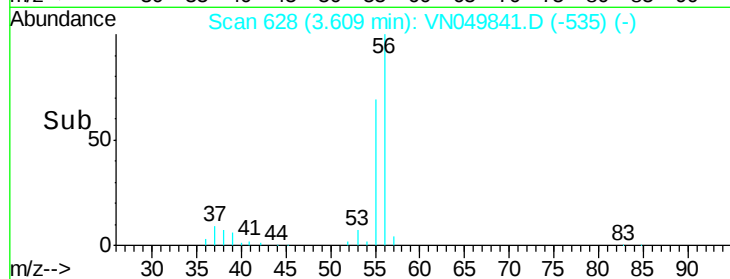
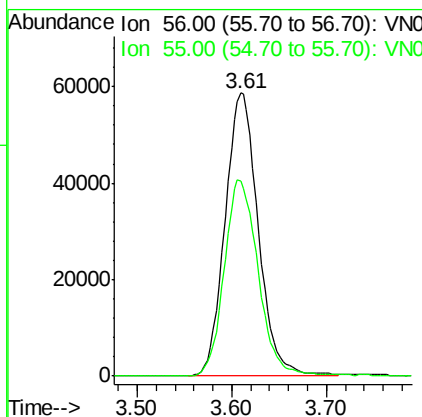
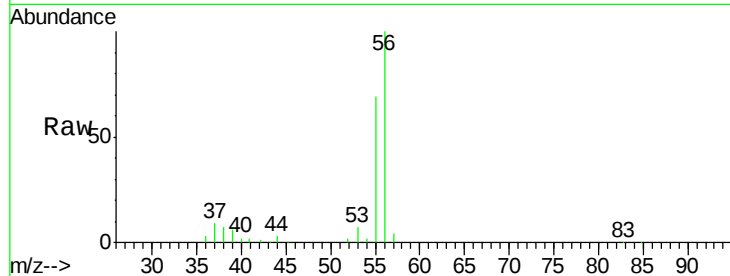
#13
Acrolein
Concen: 219.72 ug/l
RT: 3.61 min Scan# 628
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	70.8	55.8	83.8	

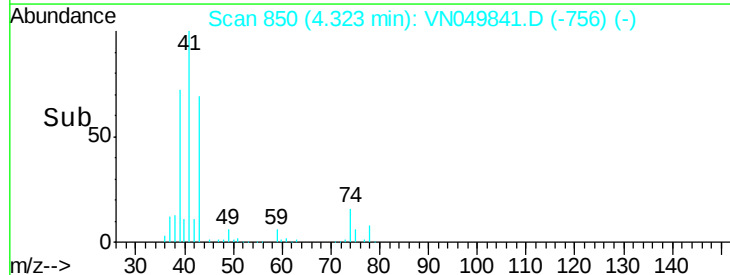
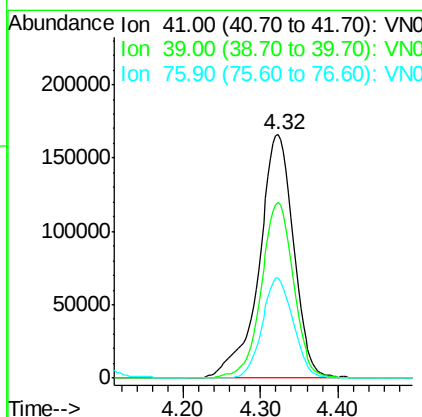
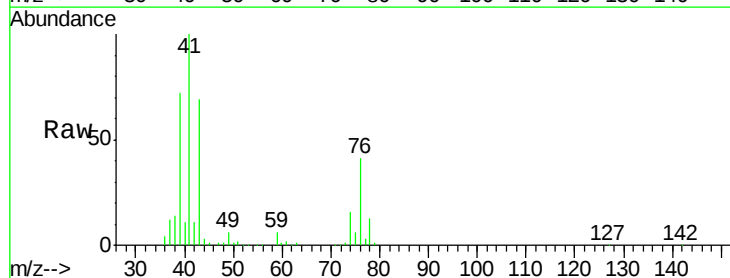
Manual Integrations
APPROVED

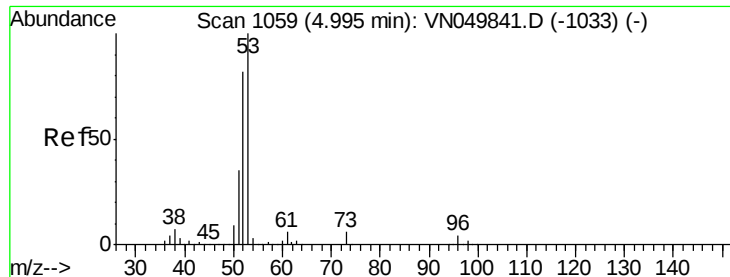
MMDadoda
7/18/2018 11:59:10 AM



#14
Allyl chloride
Concen: 43.42 ug/l
RT: 4.32 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	67.3	53.2	79.8	
76	36.6	29.0	43.6	





#15

Acrylonitrile

Concen: 217.94 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. -0.00 min

Lab File: VN049841.D

Acq: 17 Jul 2018 11:55

Instrument :

MSVOA_N

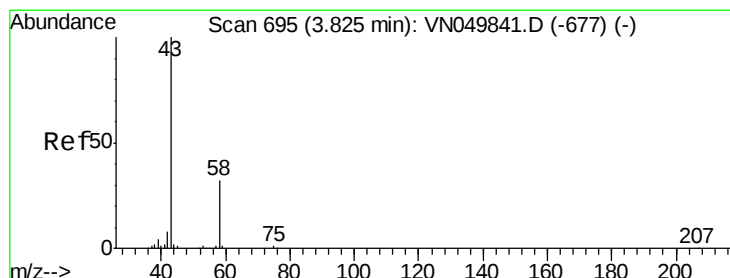
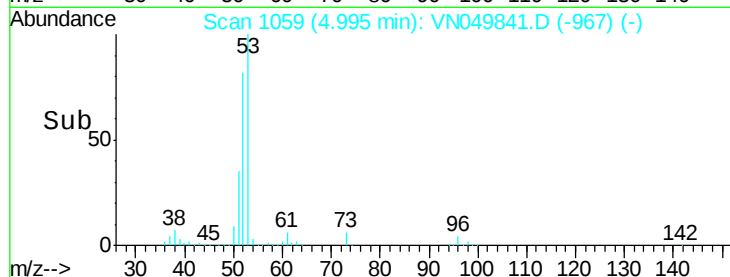
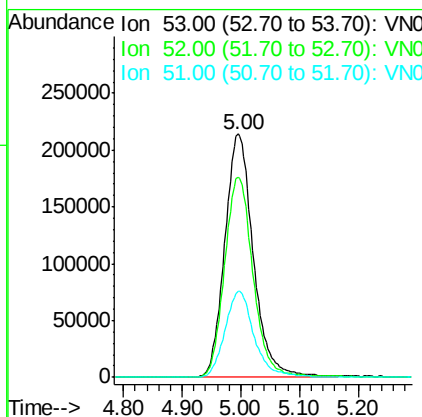
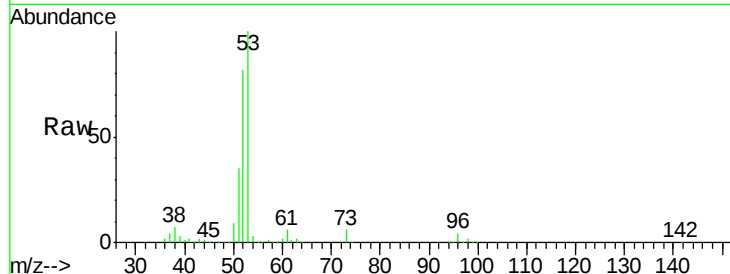
ClientSampled :

VSTDICCC050

Tot Ion:	53	Resp:	724893
Ion	Ratio	Lower	Upper
53	100		
52	82.1	64.8	97.2
51	35.9	28.9	43.3

Manual Integrations
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MMDadoda
7/18/2018 11:59:10 AM



#16

Acetone

Concen: 198.69 ug/l

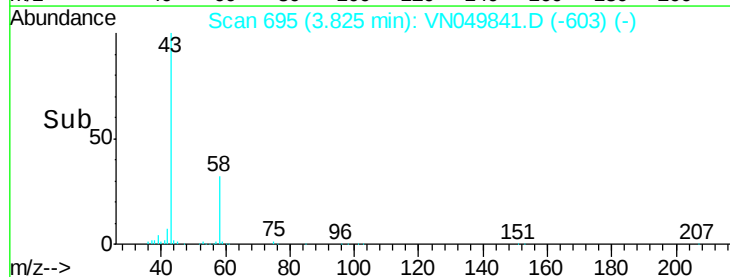
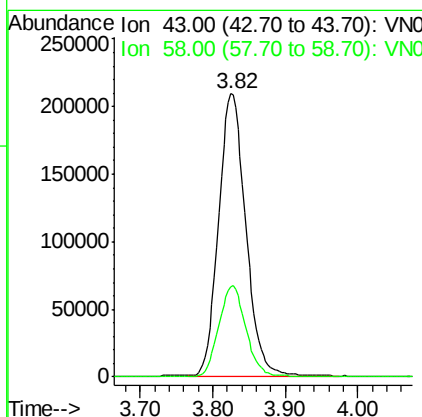
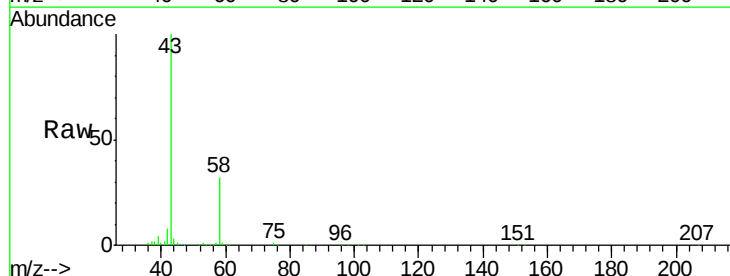
RT: 3.82 min Scan# 695

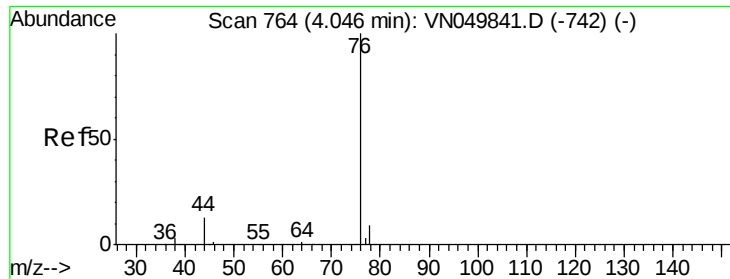
Delta R.T. -0.00 min

Lab File: VN049841.D

Acq: 17 Jul 2018 11:55

Tgt Ion:	43	Resp:	543002
Ion	Ratio	Lower	Upper
43	100		
58	31.7	25.9	38.9





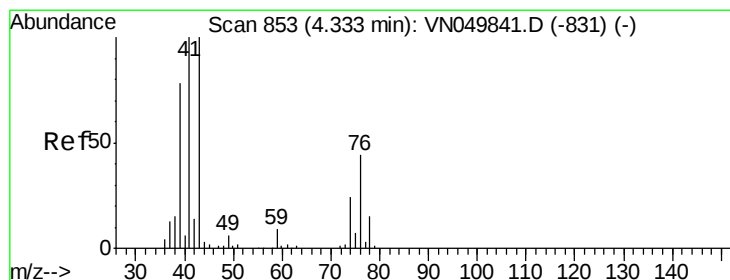
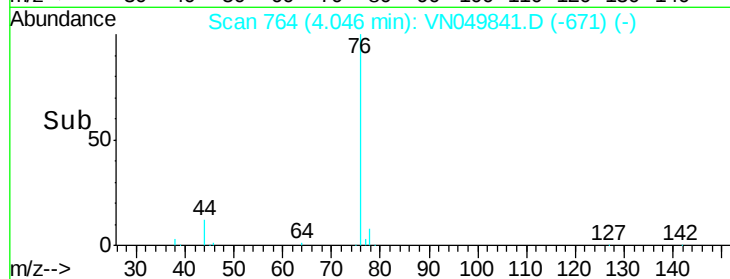
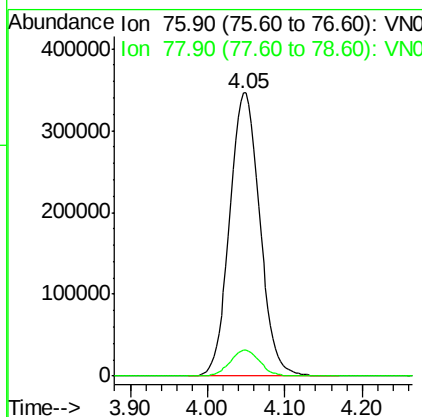
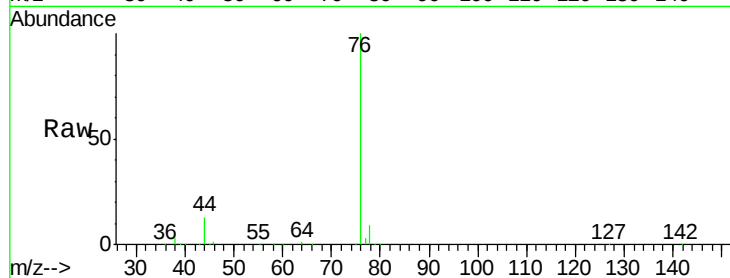
#17
Carbon Disulfide
Concen: 38.09 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

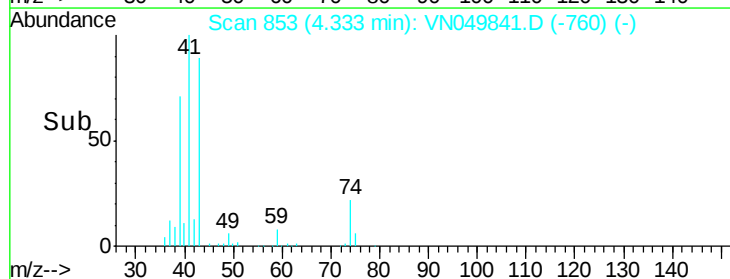
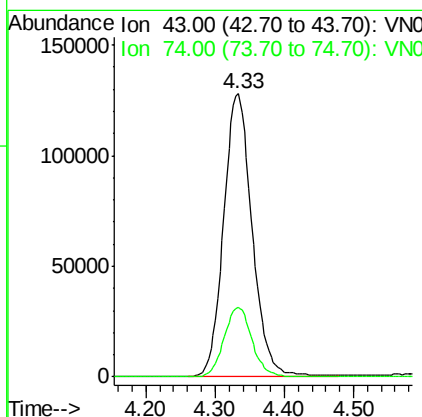
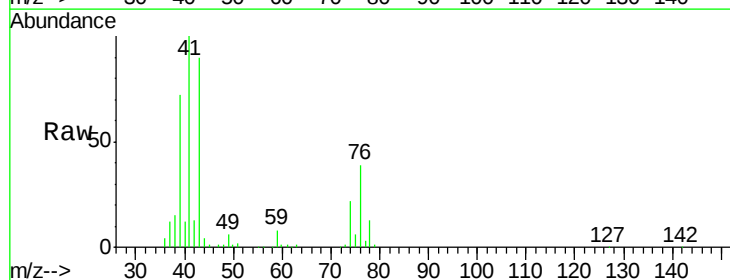
Manual Integrations
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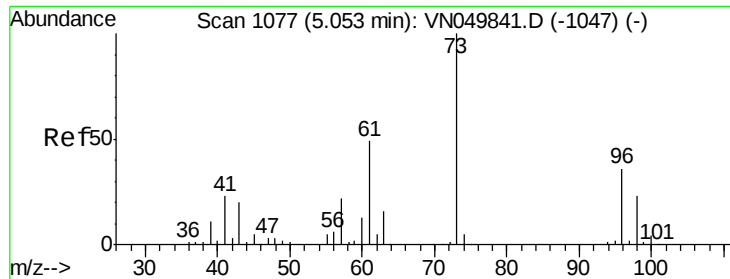
MMDadoda
7/18/2018 11:59:10 AM



#18
Methyl Acetate
Concen: 36.83 ug/l
RT: 4.33 min Scan# 853
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.8	29.8





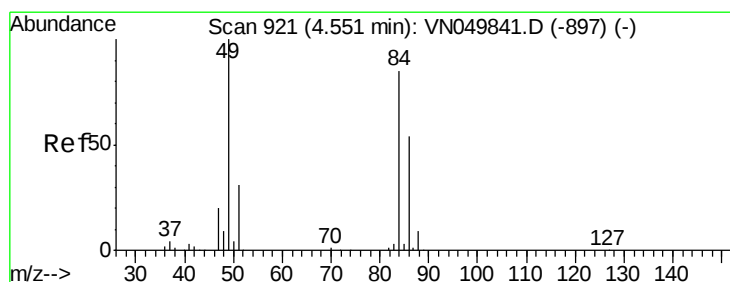
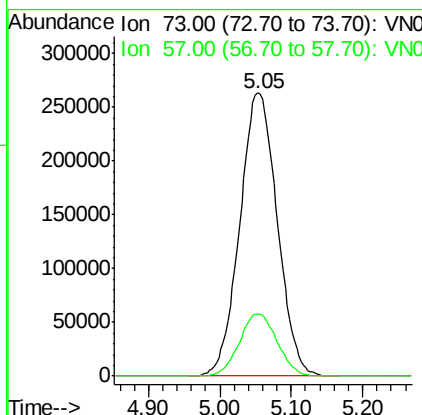
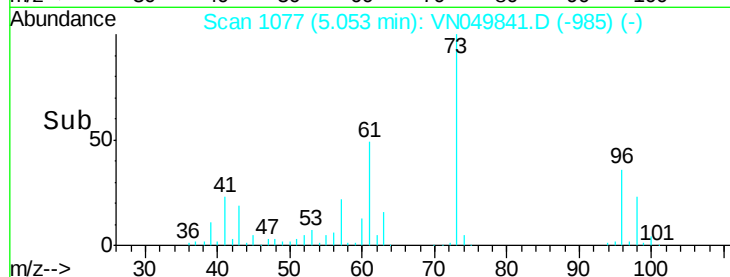
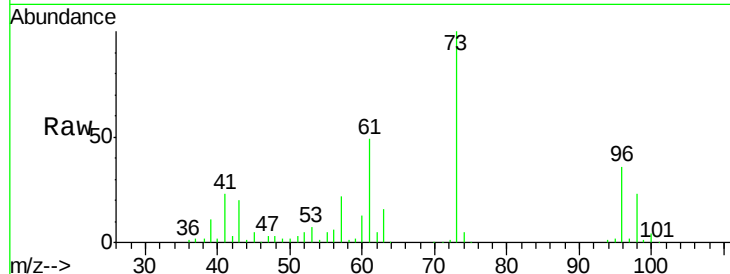
#19
Methvl tert-butvl Ether
Concen: 45.98 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 962384
Ion Ratio Lower Upper
73 100
57 21.9 18.1 27.1

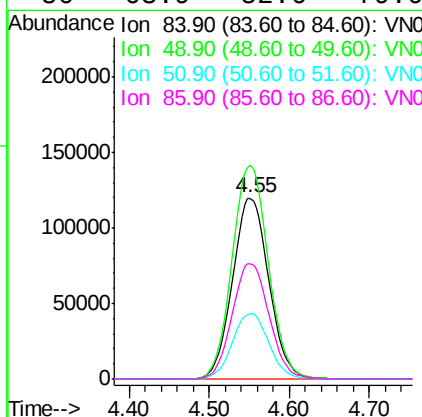
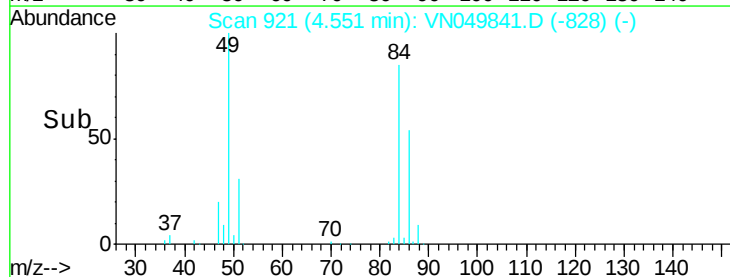
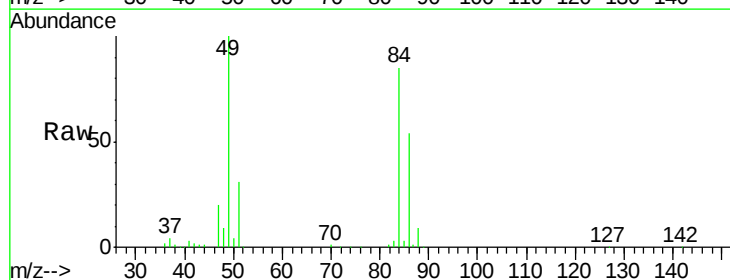
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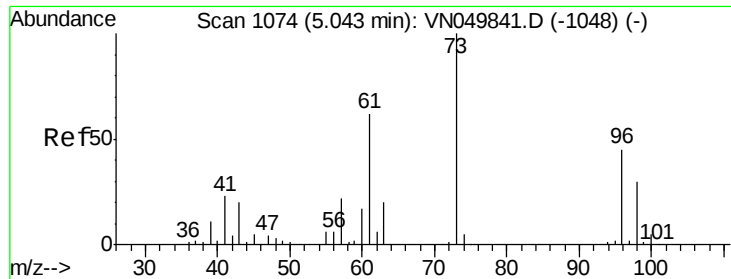
MMDadoda
7/18/2018 11:59:10 AM



#20
Methylene Chloride
Concen: 42.08 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Tgt Ion: 84 Resp: 368514
Ion Ratio Lower Upper
84 100
49 118.2 95.4 143.2
51 36.1 28.4 42.6
86 63.9 52.6 79.0





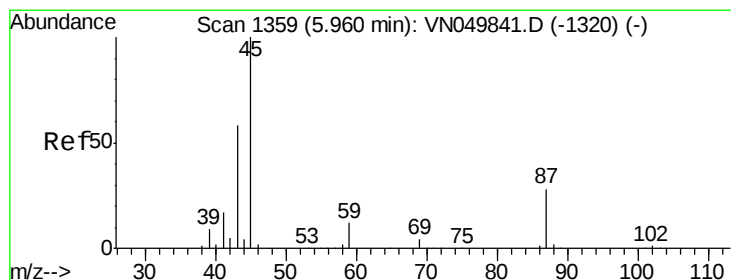
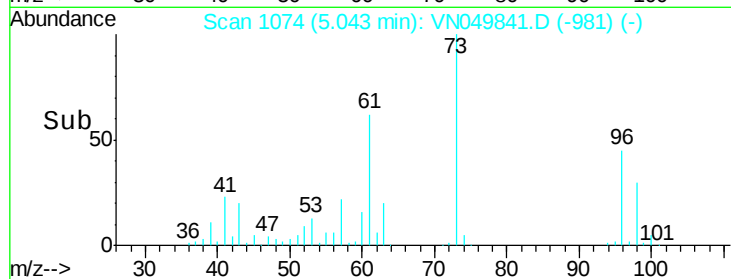
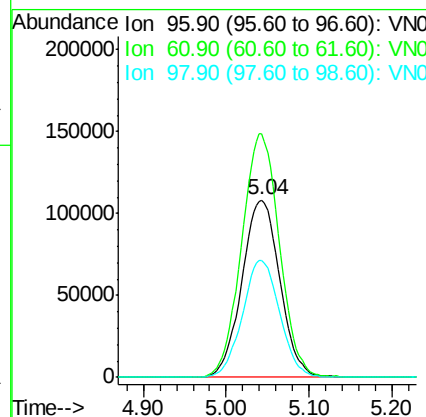
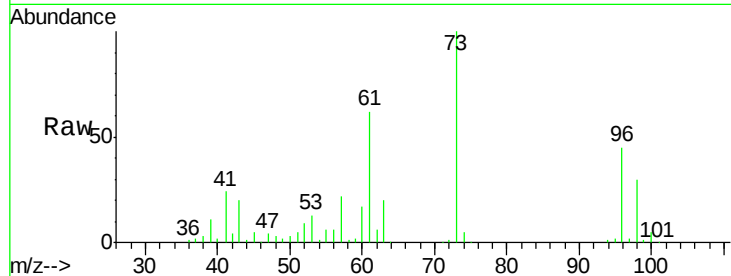
#21
trans-1,2-Dichloroethene
Concen: 43.45 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.2	109.0	163.6
98	65.7	51.1	76.7

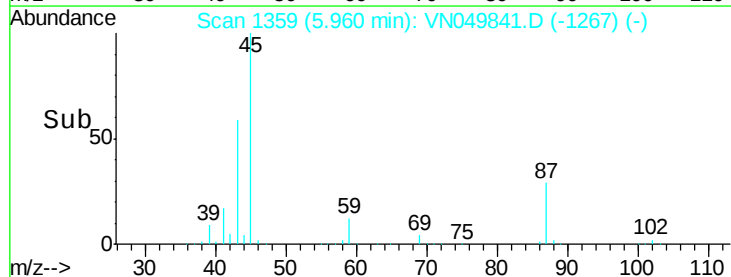
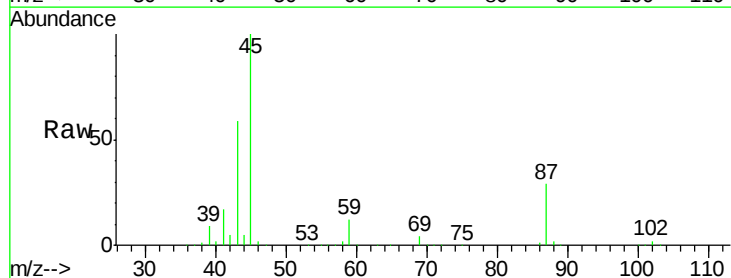
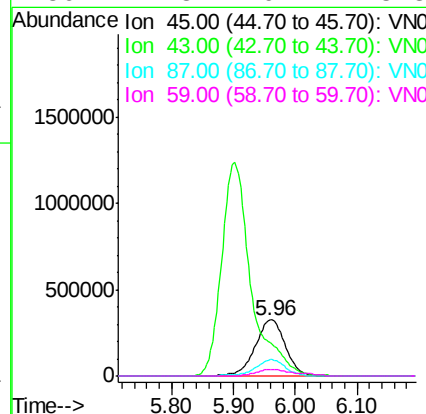
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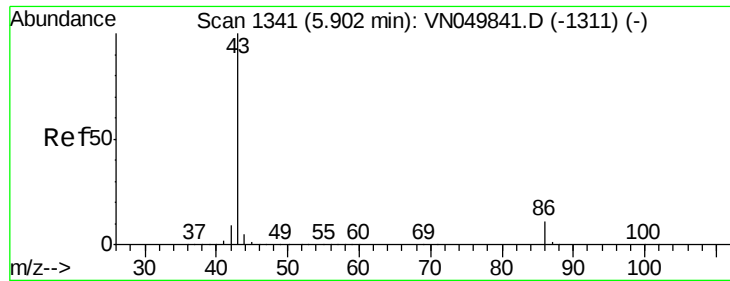
MMDadoda
7/18/2018 11:59:10 AM



#22
Diisopropyl ether
Concen: 48.48 ug/l
RT: 5.96 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.4	48.1	72.1
87	28.5	22.6	34.0
59	11.8	9.2	13.8





#23

Vinyl Acetate

Concen: 234.96 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VN049841.D

Acq: 17 Jul 2018 11:55

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 4119436

Ion Ratio Lower Upper

43 100

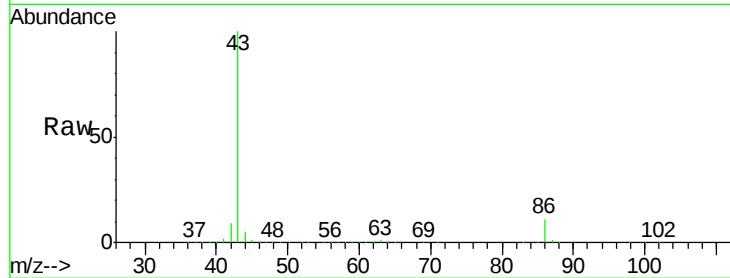
86 10.8 8.4 12.6

Manual Integrations

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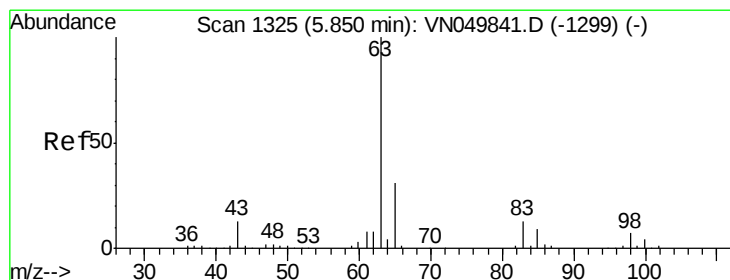
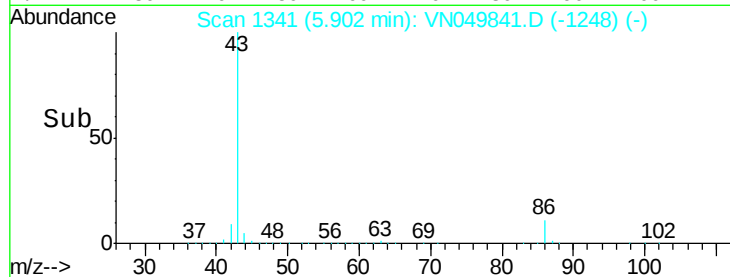
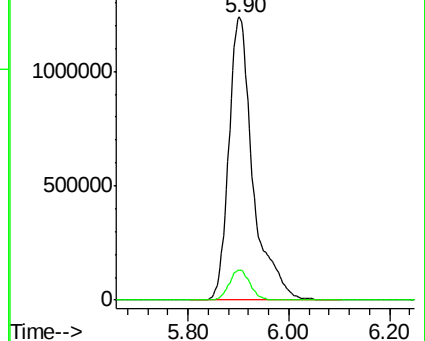
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 45.56 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN049841.D

Acq: 17 Jul 2018 11:55

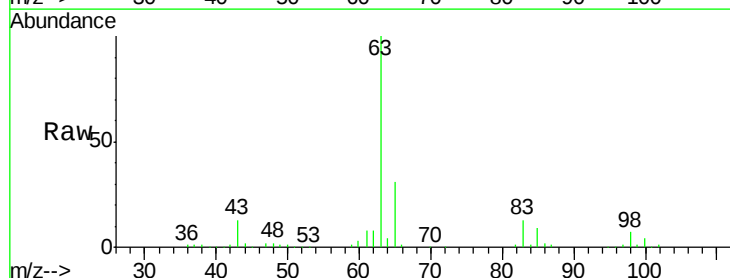
Tgt Ion: 63 Resp: 647440

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

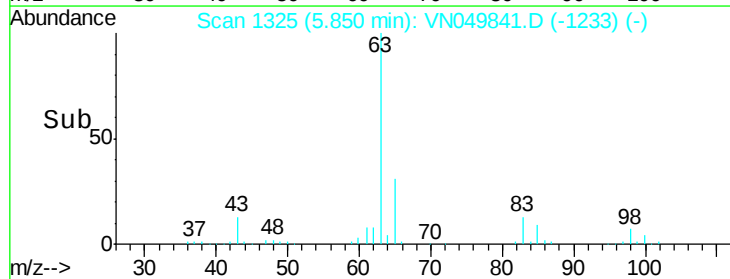
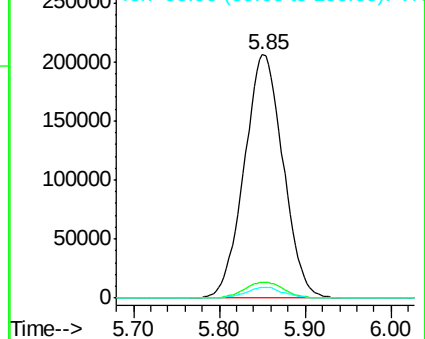
100 4.3 2.2 6.6

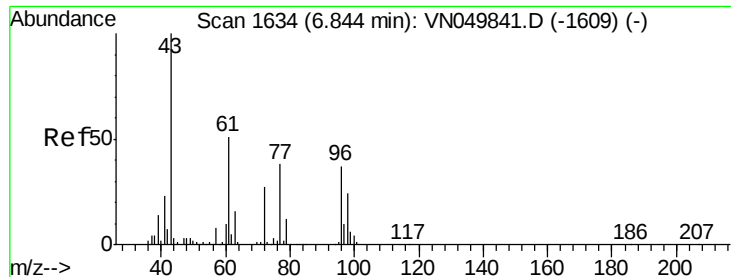


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 210.62 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VN049841.D

Acq: 17 Jul 2018 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 877247

Ion Ratio Lower Upper

43 100

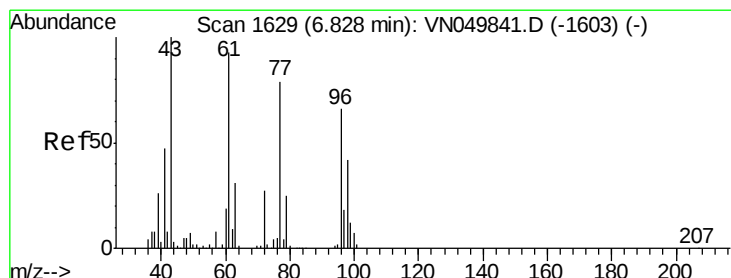
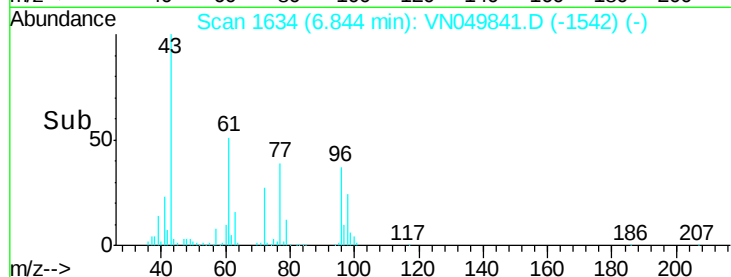
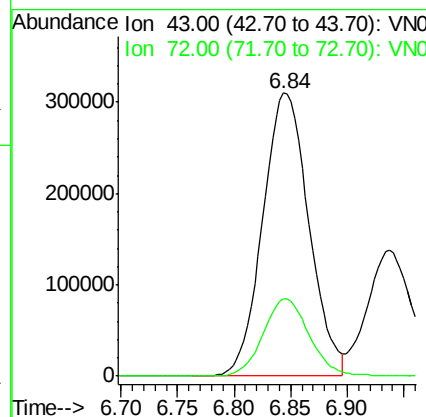
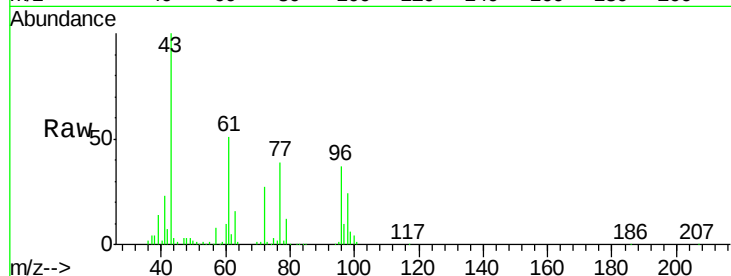
72 27.3 22.1 33.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 43.46 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN049841.D

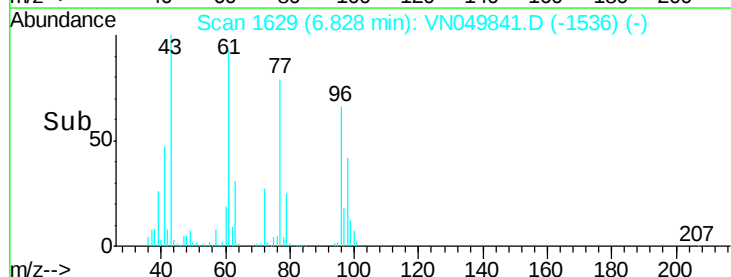
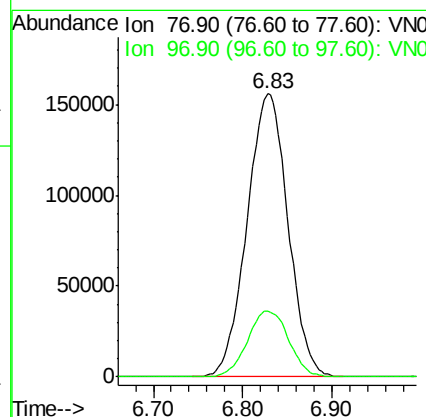
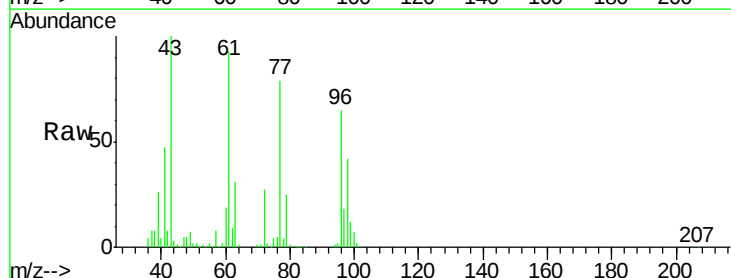
Acq: 17 Jul 2018 11:55

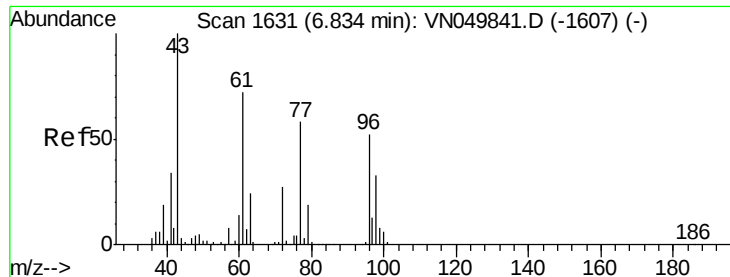
Tgt Ion: 77 Resp: 497864

Ion Ratio Lower Upper

77 100

97 23.6 11.9 35.5





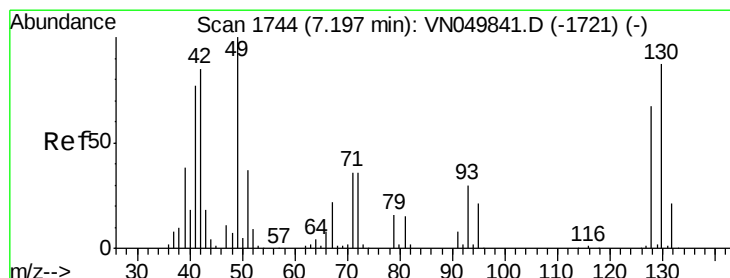
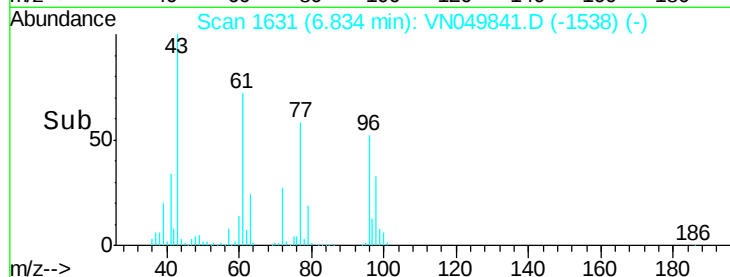
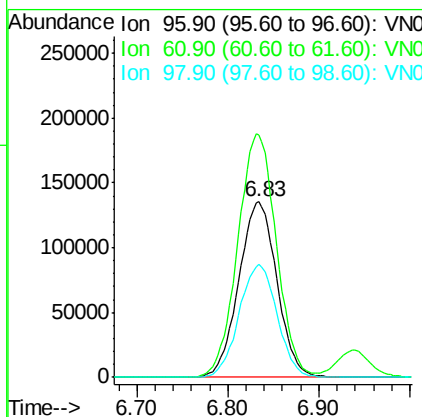
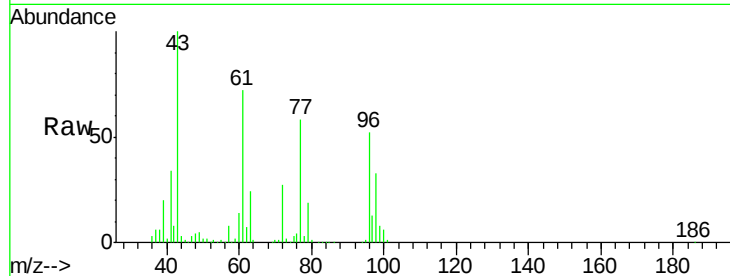
#27
 cis-1,2-Dichloroethene
 Concen: 45.86 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: VN049841.D
 Acq: 17 Jul 2018 11:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	140.2	0.0	289.0	
98	64.3	0.0	130.2	

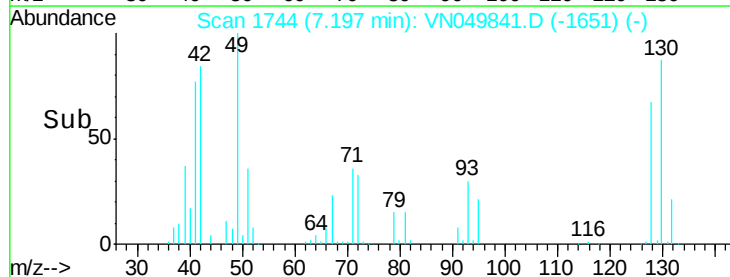
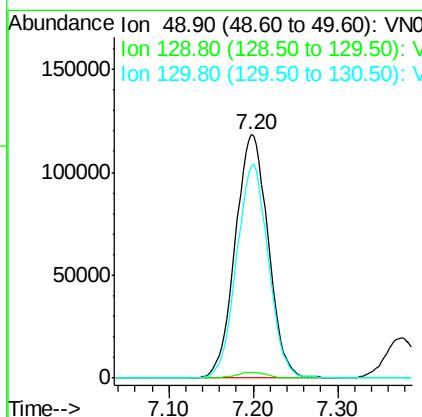
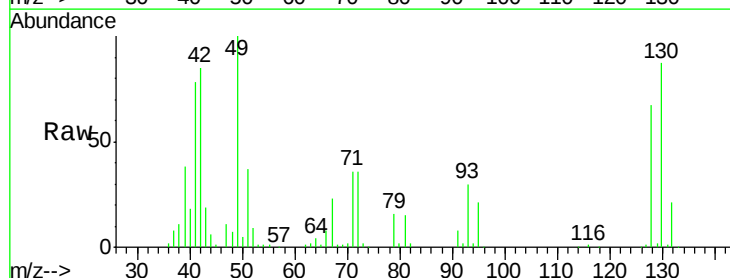
Manual Integrations
 APPROVED

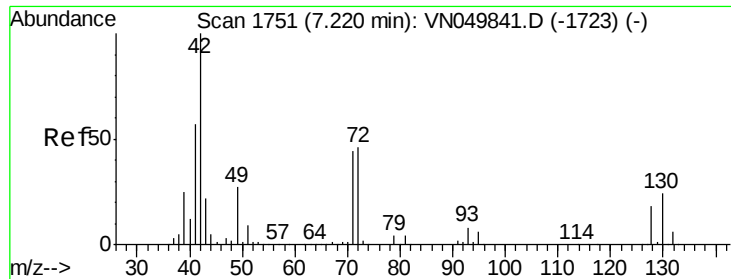
MMDadoda
 7/18/2018 11:59:10 AM



#28
 Bromochloromethane
 Concen: 50.30 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. -0.00 min
 Lab File: VN049841.D
 Acq: 17 Jul 2018 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.1	0.0	4.2	
130	84.5	65.5	98.3	





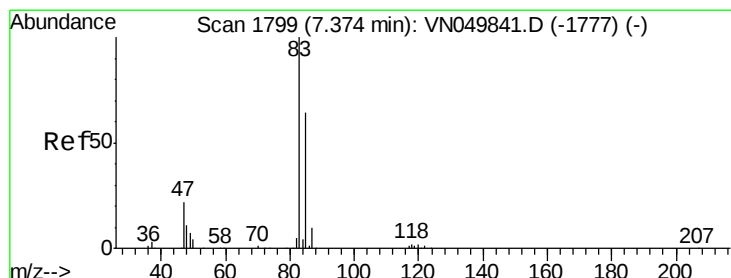
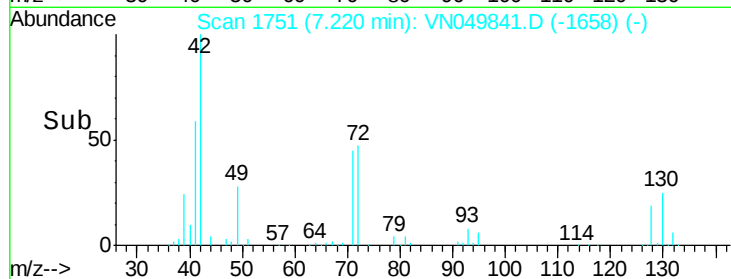
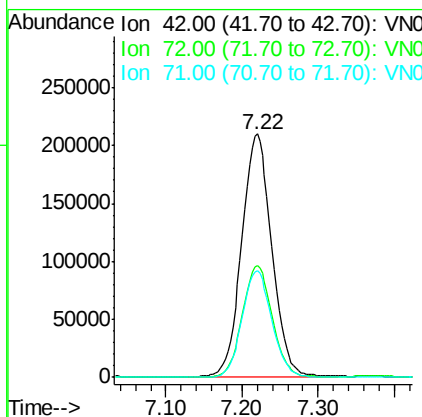
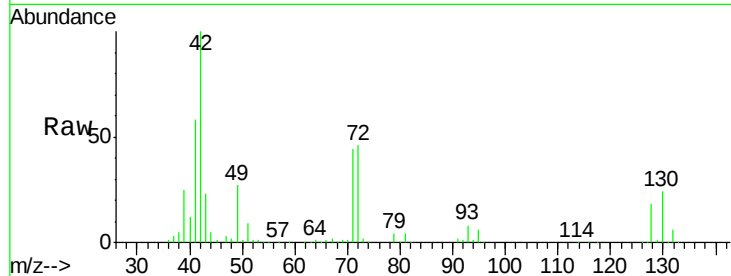
#29
Tetrahydrofuran
Concen: 214.35 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	35.6	53.4
71	43.4	34.0	51.0

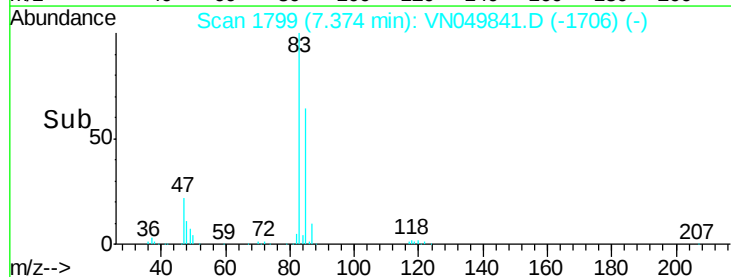
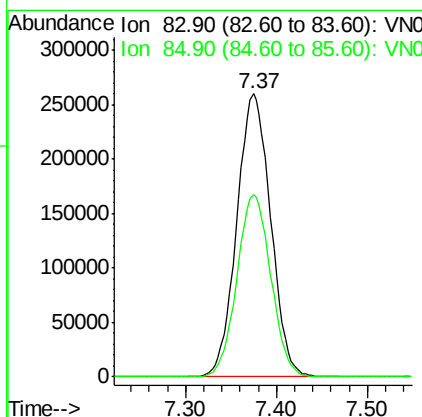
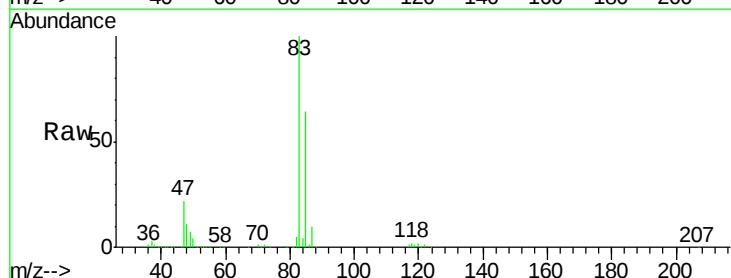
Manual Integrations
APPROVED

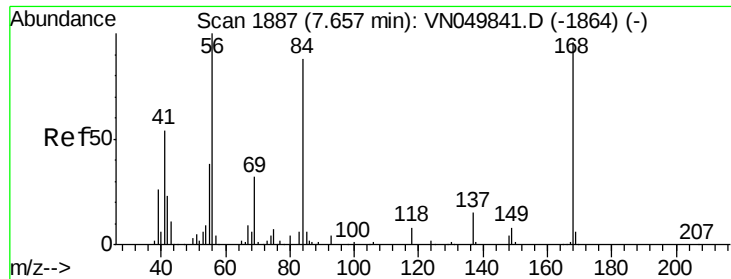
MMDadoda
7/18/2018 11:59:10 AM



#30
Chloroform
Concen: 45.93 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.4	77.2





#31

Cyclohexane

Concen: 39.35 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. -0.00 min

Lab File: VN049841.D

Acq: 17 Jul 2018 11:55

Instrument :

MSVOA_N

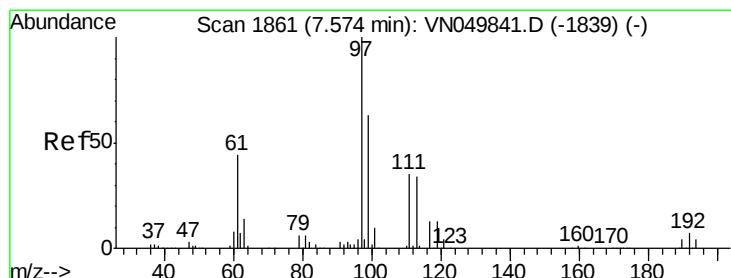
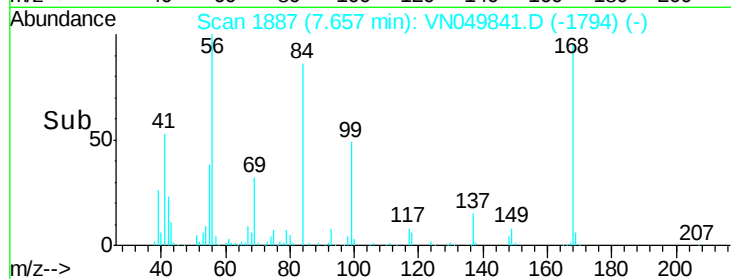
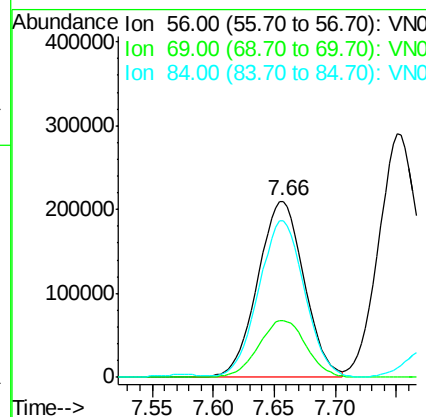
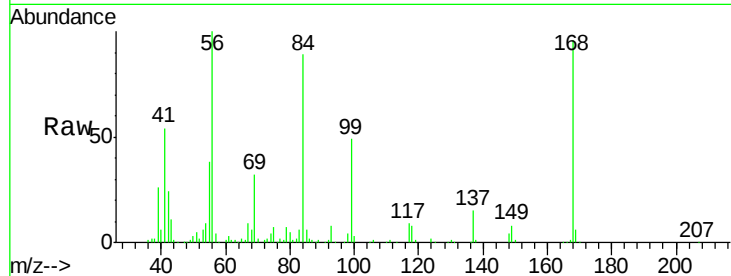
ClientSampled :

VSTDICCC050

Tot Ion:	56	Resp:	554375
Ion Ratio	Lower	Upper	
56	100		
69	32.3	26.6	40.0
84	87.5	69.0	103.6

Manual Integrations
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MMDadoda
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#32

1,1,1-Trichloroethane

Concen: 46.59 ug/l

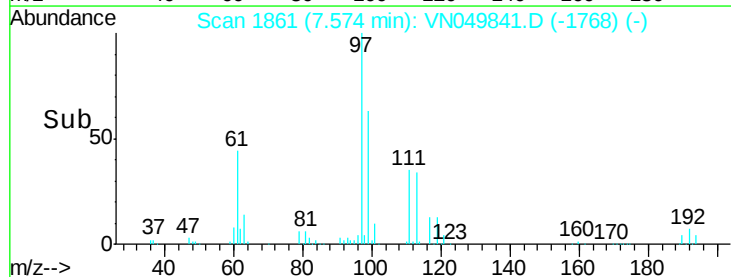
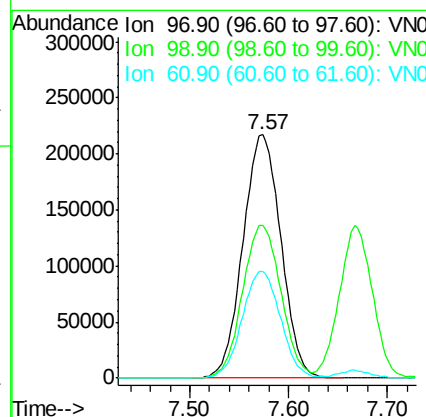
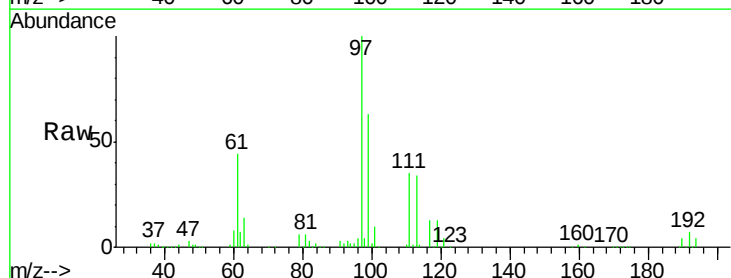
RT: 7.57 min Scan# 1861

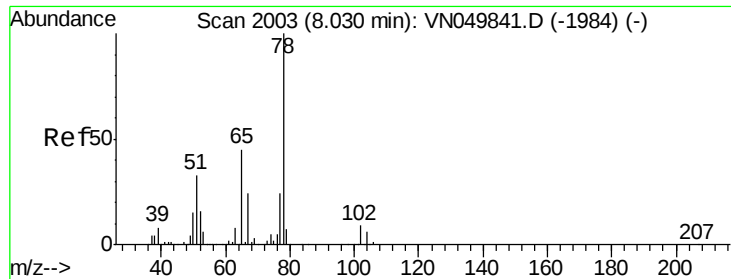
Delta R.T. -0.00 min

Lab File: VN049841.D

Acq: 17 Jul 2018 11:55

Tgt Ion:	97	Resp:	579309
Ion Ratio	Lower	Upper	
97	100		
99	63.7	51.0	76.4
61	44.2	35.5	53.3





#33

1,2-Dichloroethane-d4

Concen: 49.01 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN049841.D

Acq: 17 Jul 2018 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 65 Resp: 437634

Ion Ratio Lower Upper

65 100

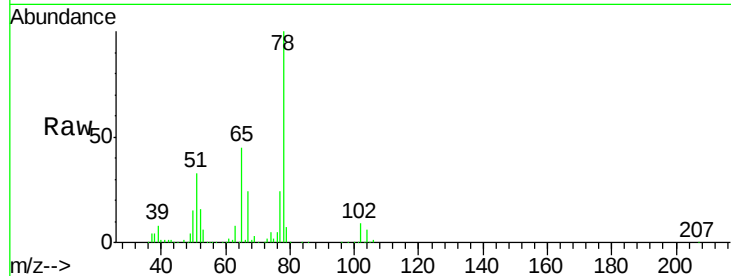
67 53.8 0.0 107.2

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN049841.D (-1984) (-)

Ion 66.90 (66.60 to 67.60): VN049841.D (-1984) (-)

8.03

200000

150000

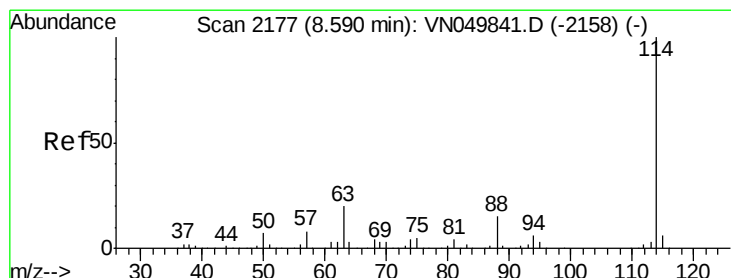
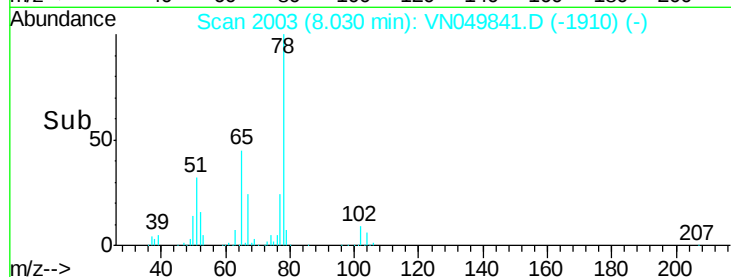
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. -0.00 min

Lab File: VN049841.D

Acq: 17 Jul 2018 11:55

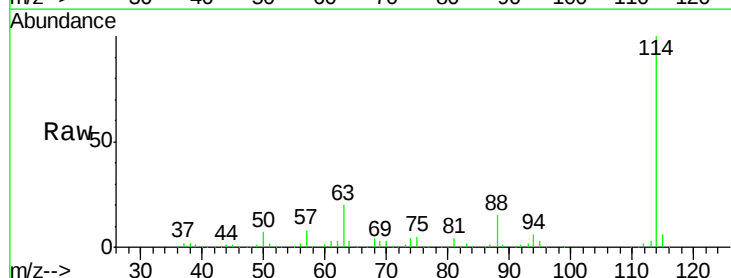
Tgt Ion: 114 Resp: 917922

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.8

88 15.2 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): VN049841.D (-2158) (-)

Ion 63.00 (62.70 to 63.70): VN049841.D (-2158) (-)

Ion 87.90 (87.60 to 88.60): VN049841.D (-2158) (-)

8.59

600000

500000

400000

300000

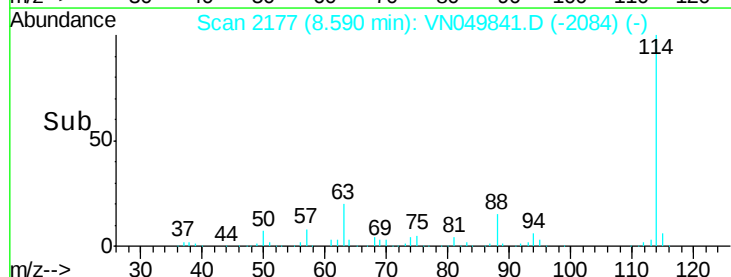
200000

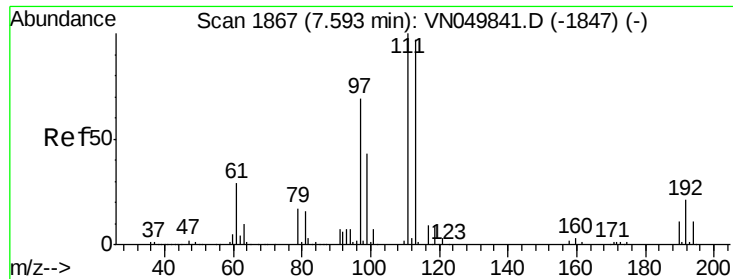
100000

0

8.50 8.60 8.70 8.80

Time-->





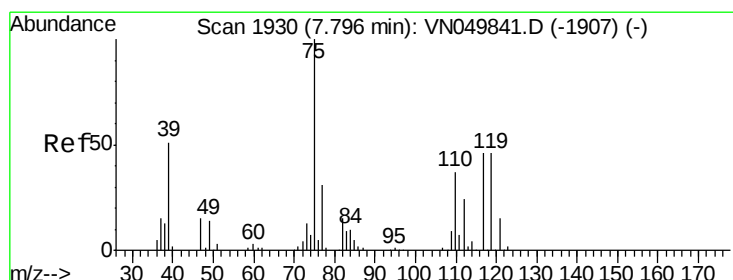
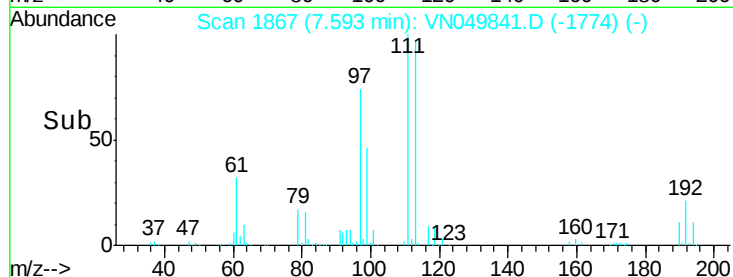
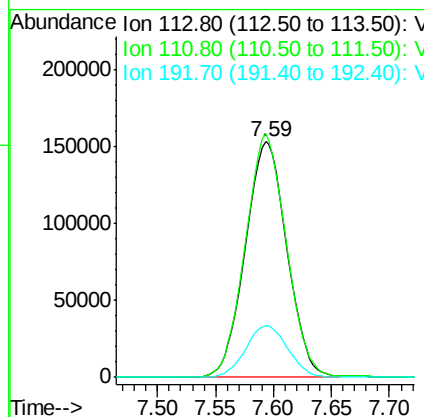
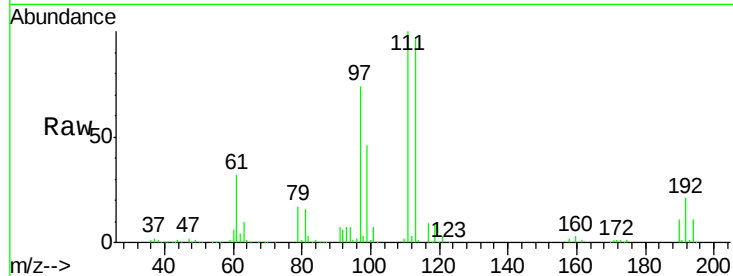
#35
Dibromofluoromethane
Concen: 50.14 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	383223		
111	101.9	81.8	122.8	
192	22.1	17.8	26.6	

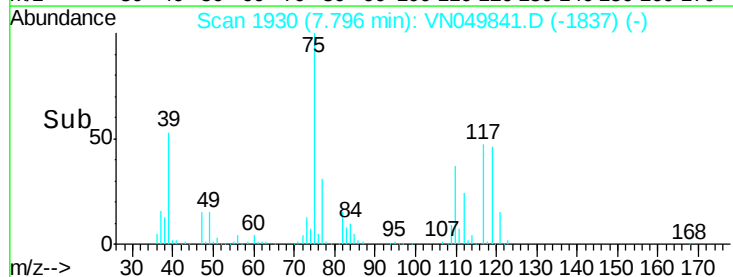
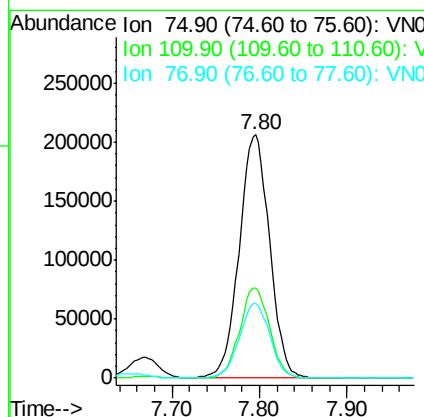
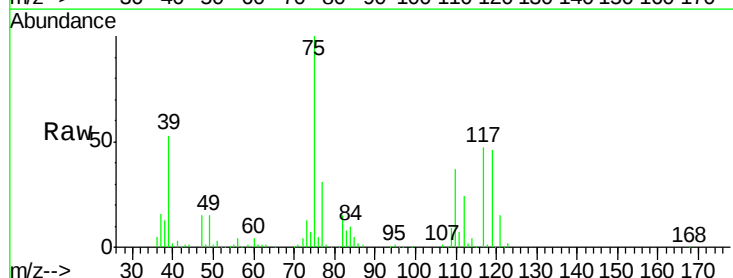
Manual Integrations
APPROVED

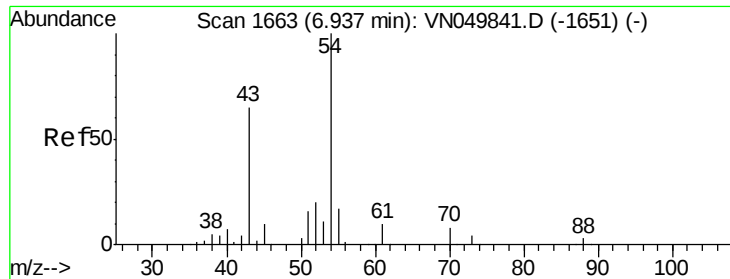
MMDadoda
7/18/2018 11:59:10 AM



#36
1,1-Dichloropropene
Concen: 46.84 ug/l
RT: 7.80 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	496841		
110	36.4	18.1	54.4	
77	31.0	24.9	37.3	





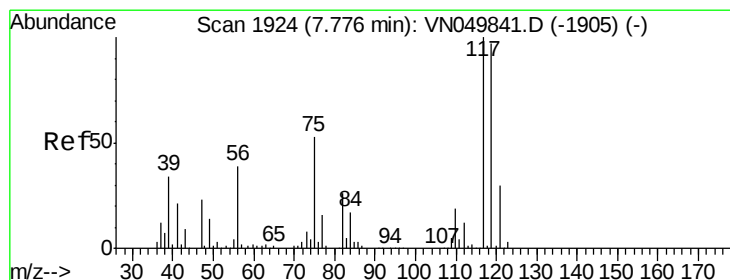
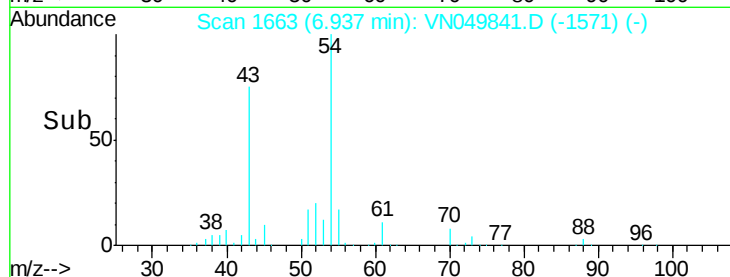
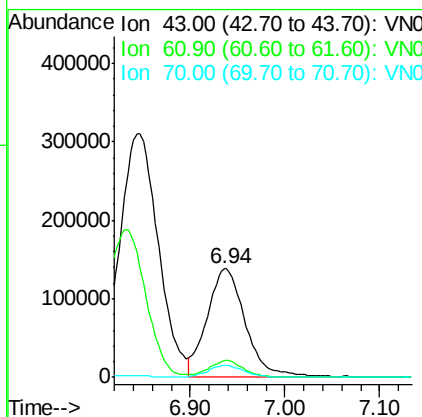
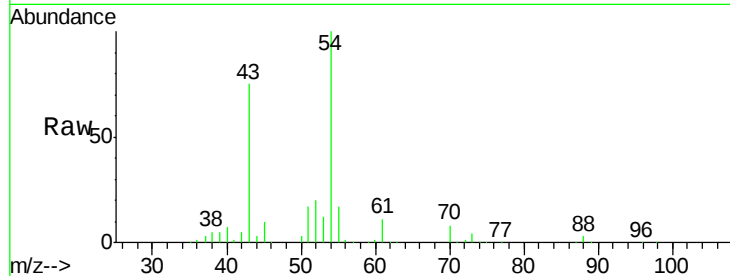
#37
Ethyl Acetate
Concen: 45.66 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.7	17.5
70	10.2	8.4	12.6

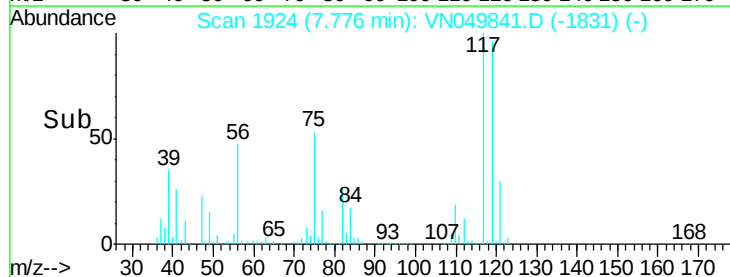
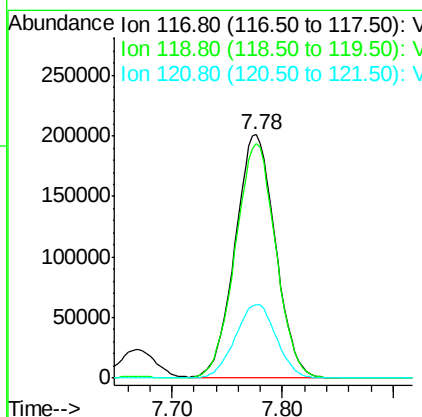
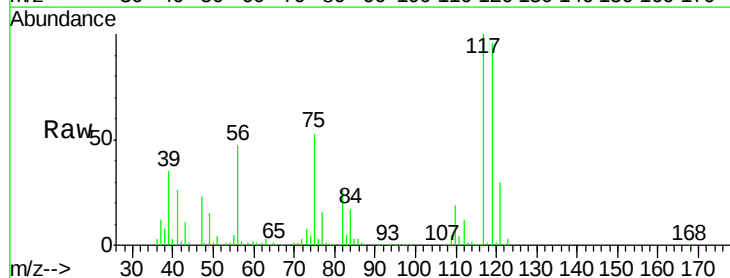
Manual Integrations
APPROVED

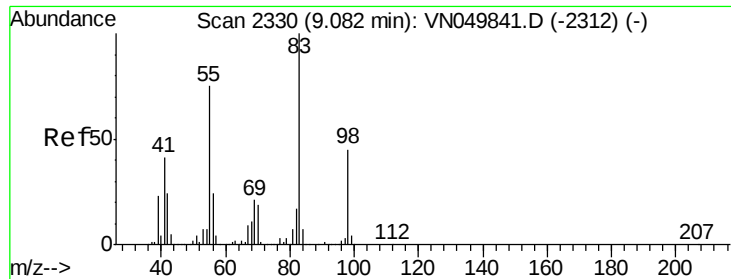
MMDadoda
7/18/2018 11:59:10 AM



#38
Carbon Tetrachloride
Concen: 46.56 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.2	115.8
121	30.4	25.0	37.6





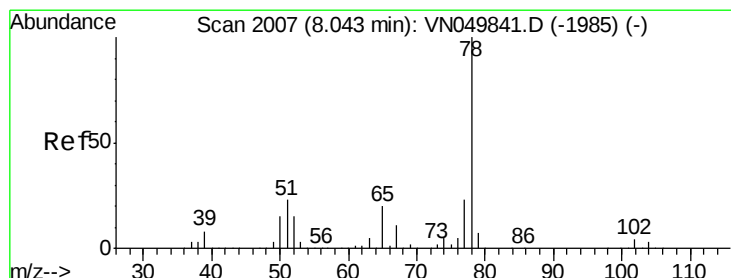
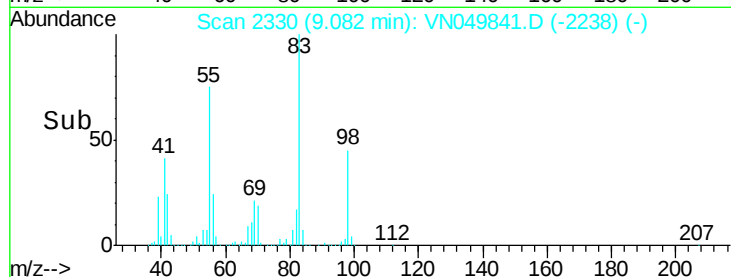
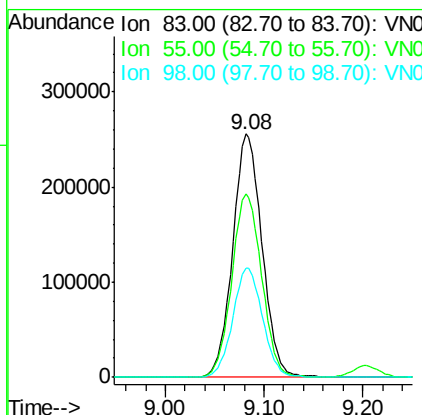
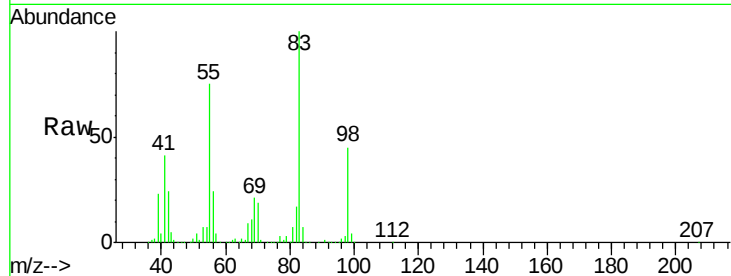
#39
Methvlcvclohexane
Concen: 47.28 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.4	59.7	89.5
98	44.7	36.5	54.7

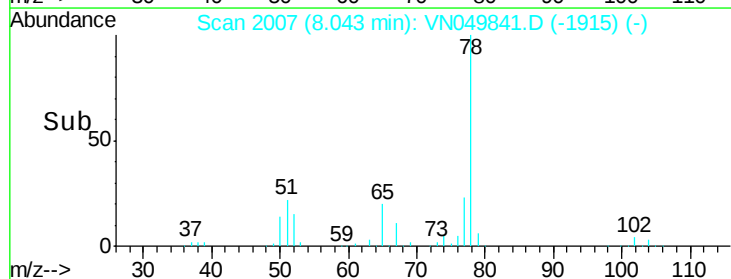
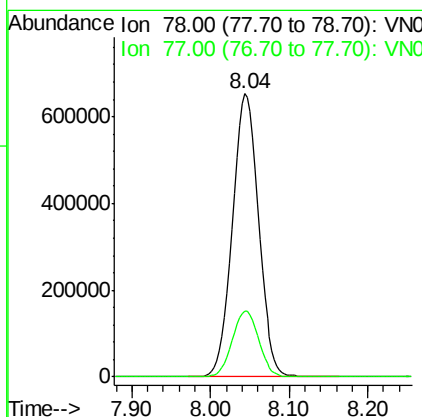
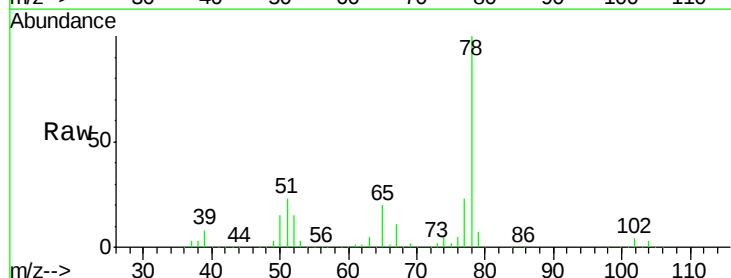
Manual Integrations
APPROVED

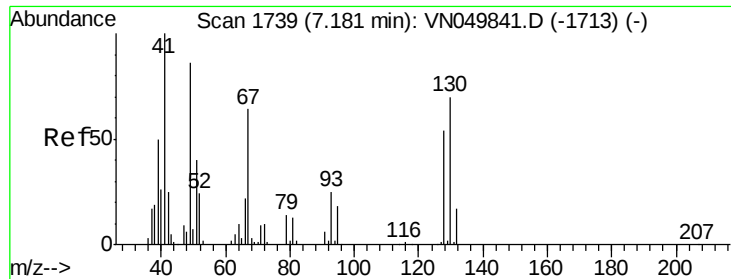
MMDadoda
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#40
Benzene
Concen: 47.00 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4





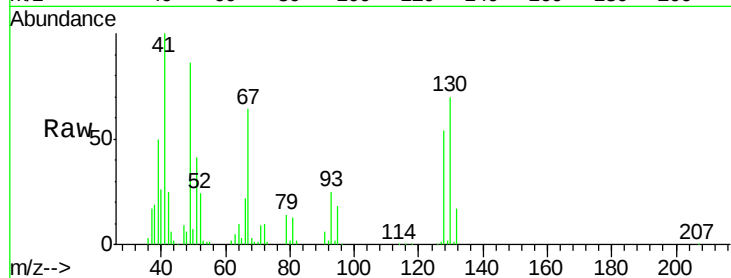
#41
Methacrylonitrile
Concen: 51.73 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

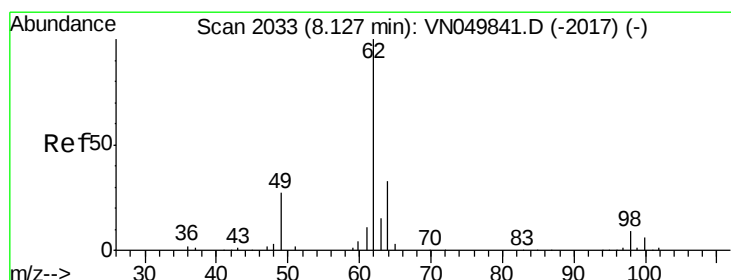
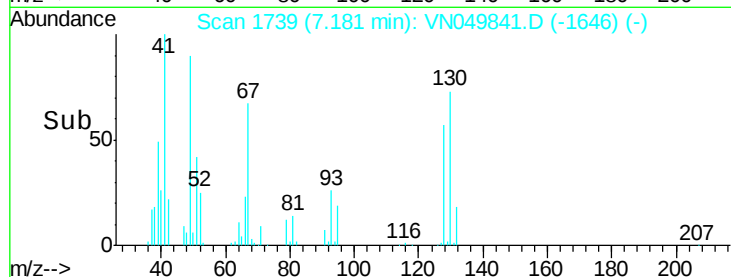
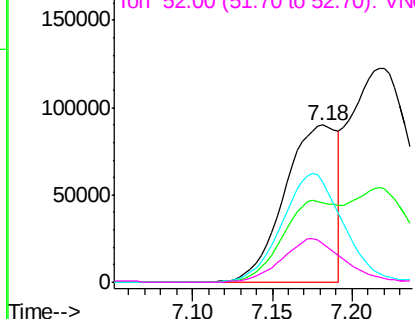
Tot Ion	Ratio	Lower	Upper
41	100		
39	56.9	45.4	68.2
67	80.8	65.4	98.0
52	31.9	24.7	37.1

Manual Integrations
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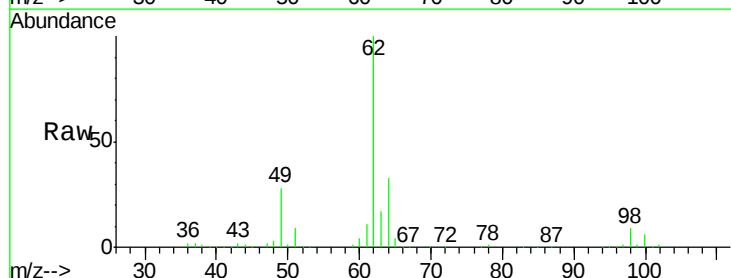


Abundance Ion 41.00 (40.70 to 41.70): VN049841.D (-1713) (-)
Ion 39.00 (38.70 to 39.70): VN049841.D (-1713) (-)
Ion 67.00 (66.70 to 67.70): VN049841.D (-1713) (-)
Ion 52.00 (51.70 to 52.70): VN049841.D (-1713) (-)

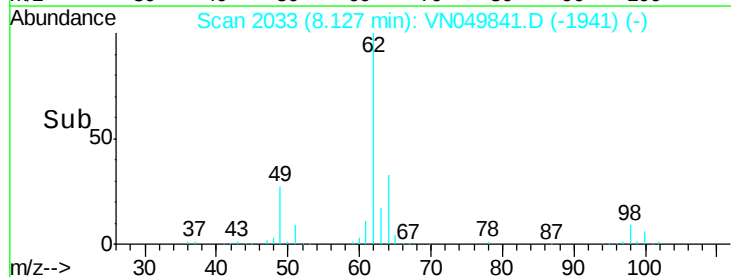
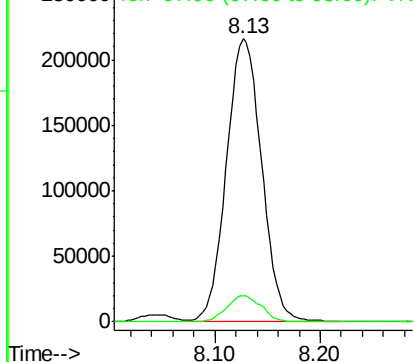


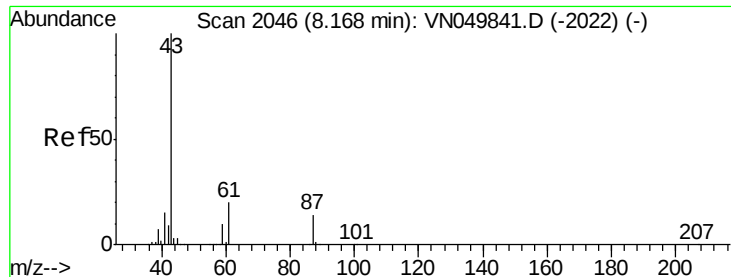
#42
1,2-Dichloroethane
Concen: 47.21 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	19.0



Abundance Ion 61.90 (61.60 to 62.60): VN049841.D (-1917) (-)
Ion 97.90 (97.60 to 98.60): VN049841.D (-1917) (-)





#43

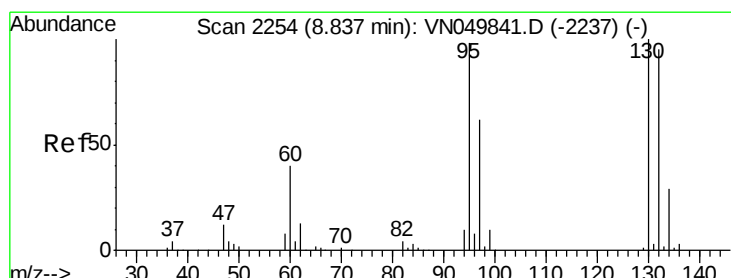
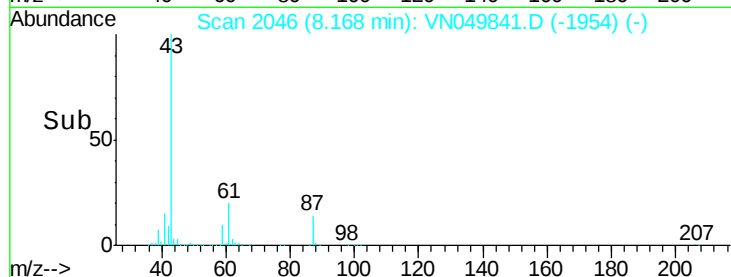
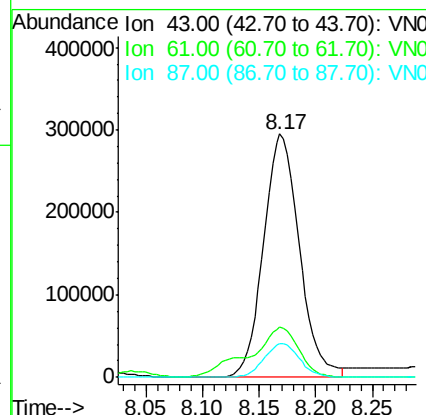
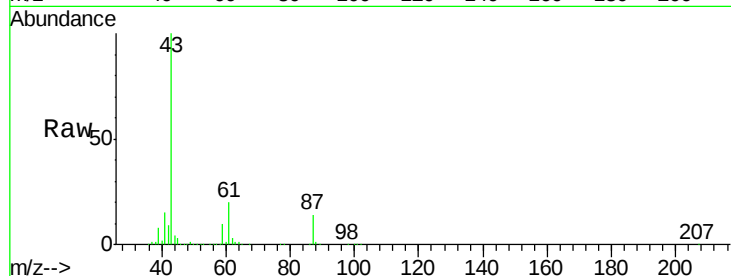
Isopropyl Acetate
 Concen: 32.24 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. -0.00 min
 Lab File: VN049841.D
 Acq: 17 Jul 2018 11:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	14.9	22.3
87	13.7	10.0	15.0

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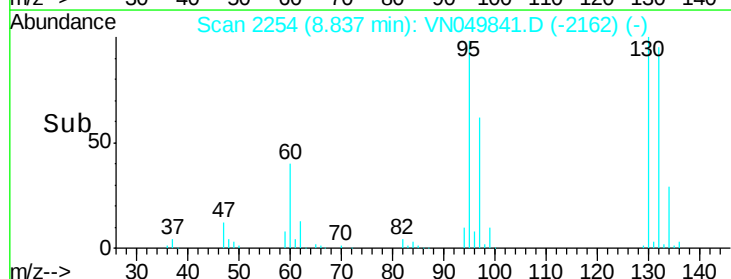
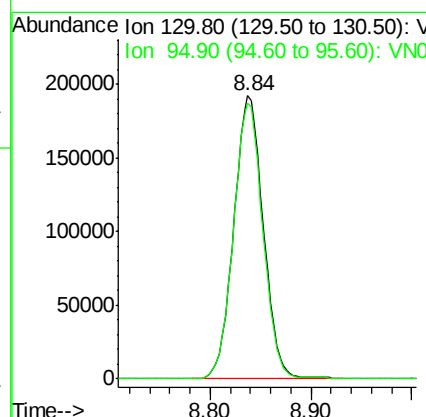
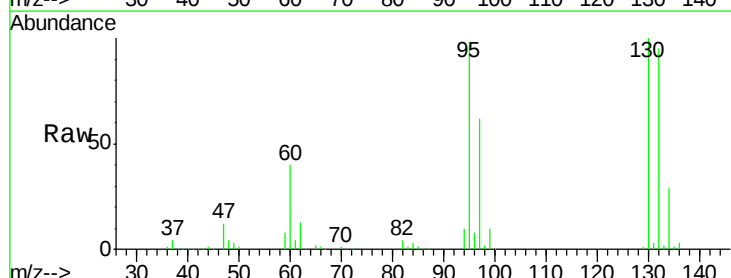
MMDadoda
 7/18/2018 11:59:10 AM

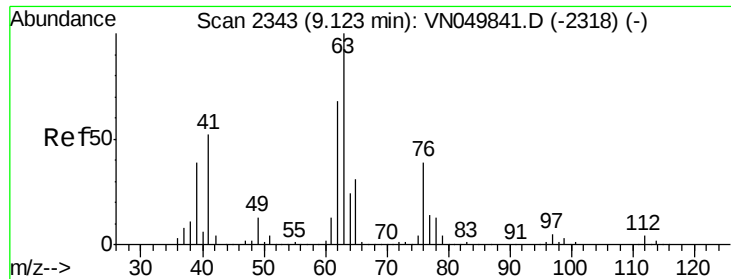


#44

Trichloroethene
 Concen: 45.99 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN049841.D
 Acq: 17 Jul 2018 11:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	192.8





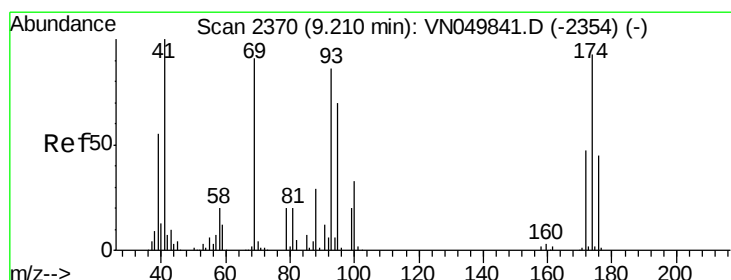
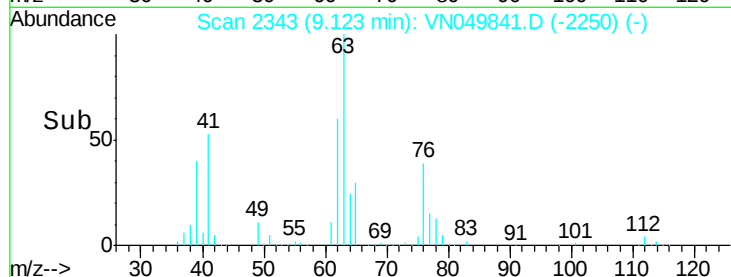
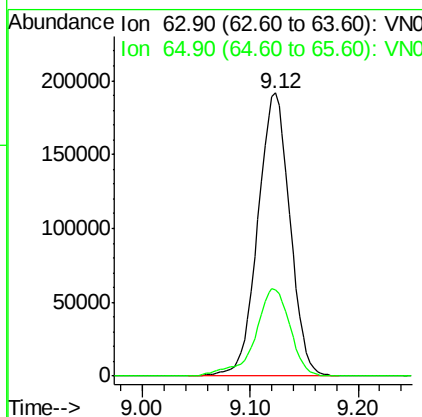
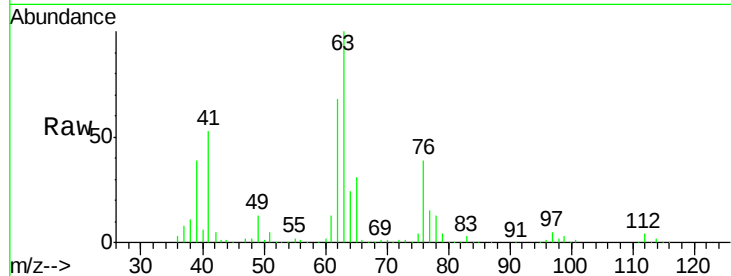
#45
 1,2-Dichloropropane
 Concen: 47.67 ug/l
 RT: 9.12 min Scan# 2343
 Delta R.T. -0.00 min
 Lab File: VN049841.D
 Acq: 17 Jul 2018 11:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 394595
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.7 37.1

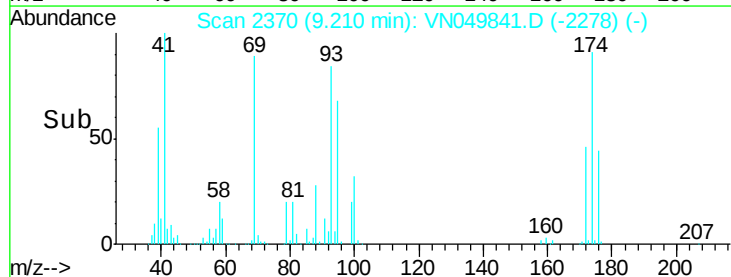
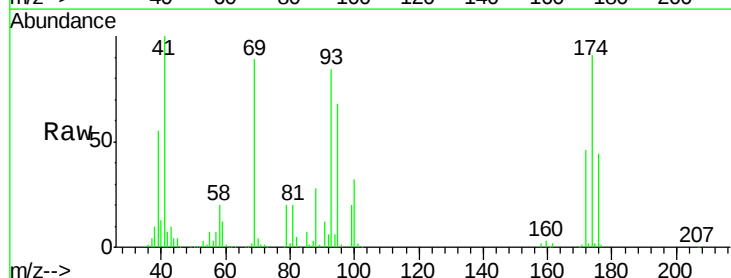
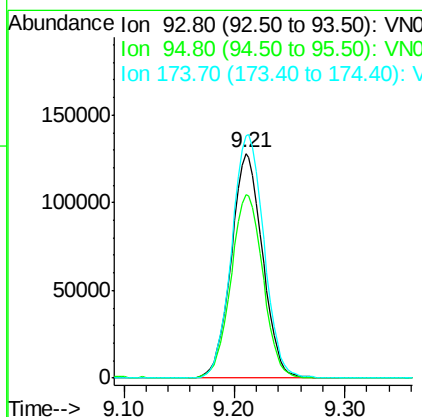
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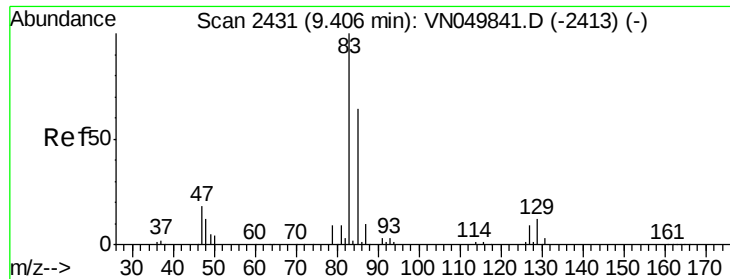
MMDadoda
 7/18/2018 11:59:10 AM



#46
 Dibromomethane
 Concen: 46.07 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN049841.D
 Acq: 17 Jul 2018 11:55

Tgt Ion: 93 Resp: 253197
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.9 101.9
 174 111.3 89.4 134.0





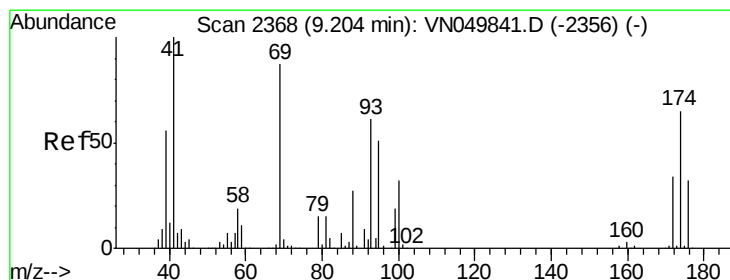
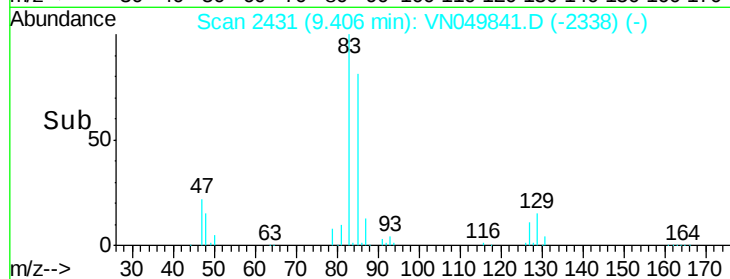
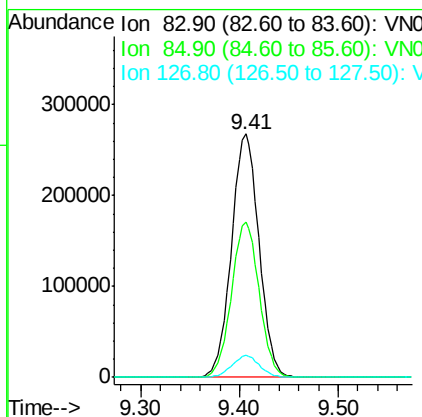
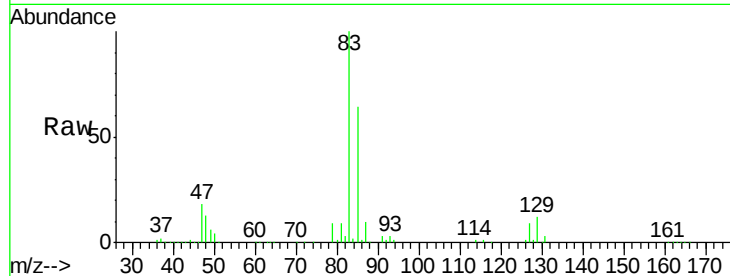
#47
Bromodichloromethane
Concen: 47.55 ug/l
RT: 9.41 min Scan# 2431
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	519903
Ion Ratio	100	Lower	Upper
83	100		
85	63.7	50.5	75.7
127	8.9	6.8	10.2

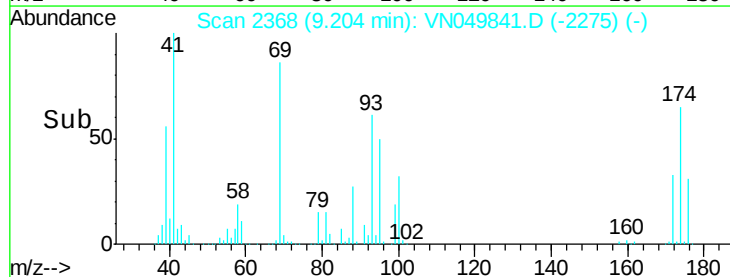
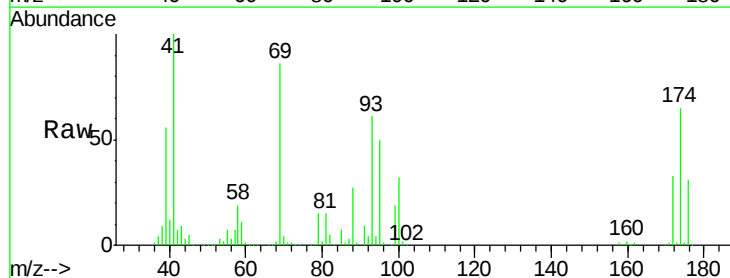
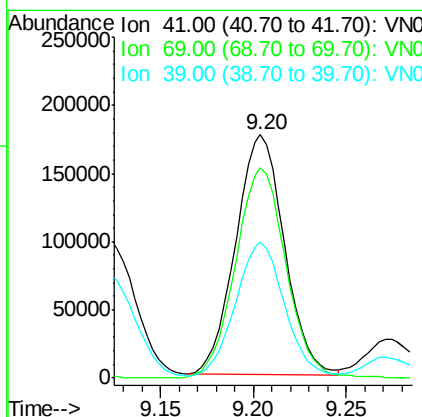
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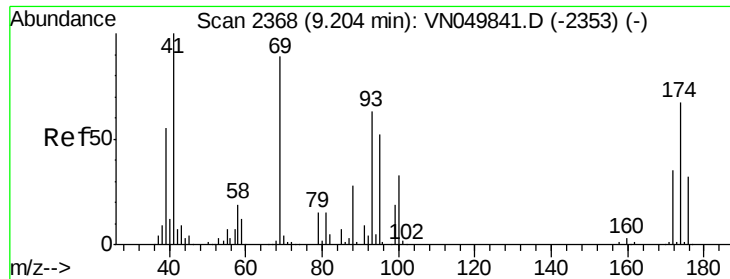
MMDadoda
7/18/2018 11:59:10 AM



#48
Methyl methacrylate
Concen: 45.43 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Tgt Ion	41	Resp	323528
Ion Ratio	100	Lower	Upper
41	100		
69	90.6	71.5	107.3
39	57.2	44.7	67.1





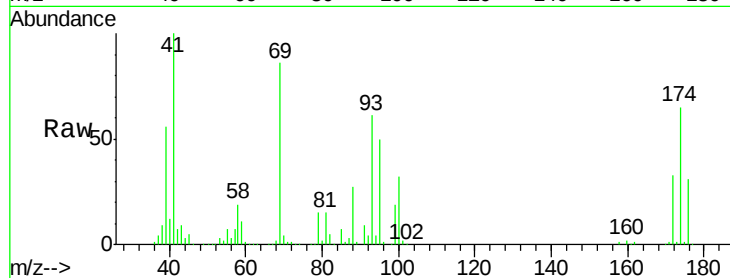
#49
1,4-Dioxane
Concen: 850.58 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	88	Resp	98787
Ion	Ratio	Lower	Upper
88	100		
43	32.3	25.1	37.7
58	68.5	52.5	78.7

Manual Integrations
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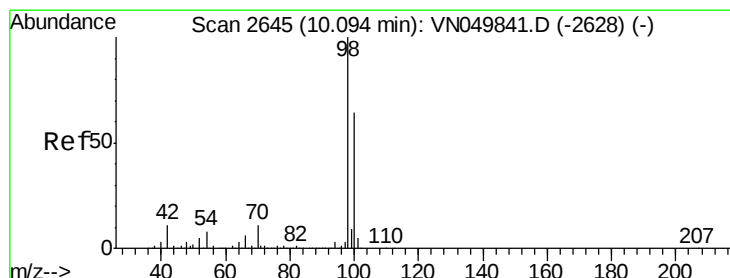
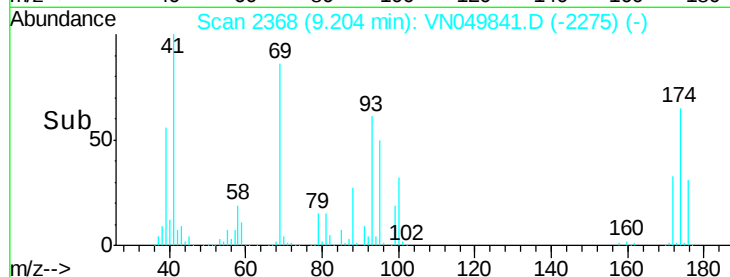
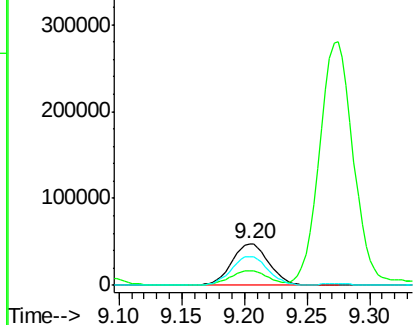
MMDadoda
7/18/2018 11:59:10 AM



Abundance Ion 88.00 (87.70 to 88.70): VN049841.D (-2353) (-)

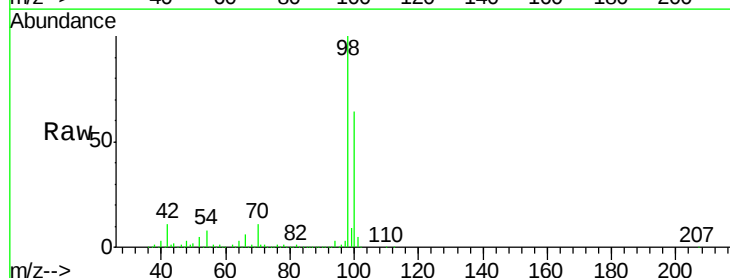
Ion 43.00 (42.70 to 43.70): VN049841.D (-2353) (-)

Ion 58.00 (57.70 to 58.70): VN049841.D (-2353) (-)



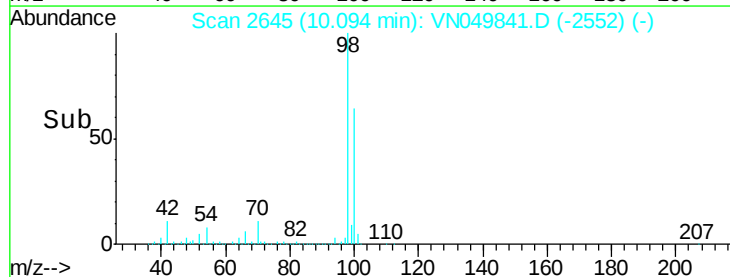
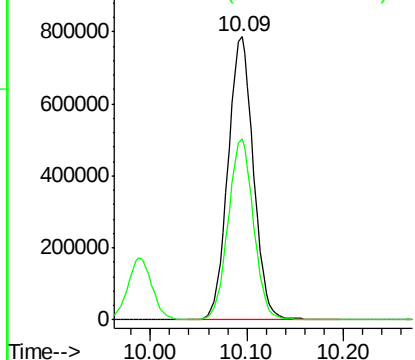
#50
Toluene-d8
Concen: 50.45 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

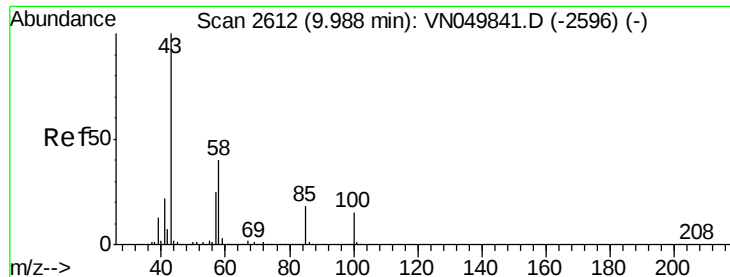
Tgt Ion	98	Resp	1430915
Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.7	77.5



Abundance Ion 98.00 (97.70 to 98.70): VN049841.D (-2628) (-)

Ion 100.00 (99.70 to 100.70): VN049841.D (-2628) (-)





#51

4-Methyl-2-Pentanone

Concen: 230.59 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. -0.00 min

Lab File: VN049841.D

Acq: 17 Jul 2018 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1981397

Ion Ratio Lower Upper

43 100

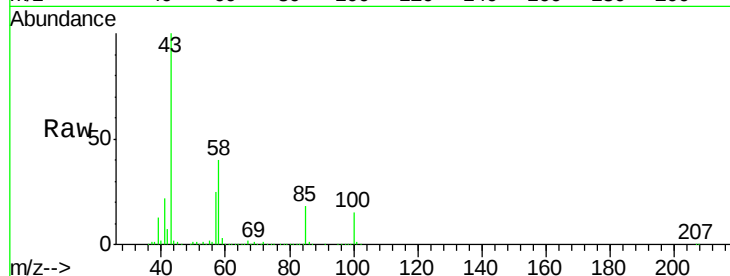
58 39.8 31.8 47.8

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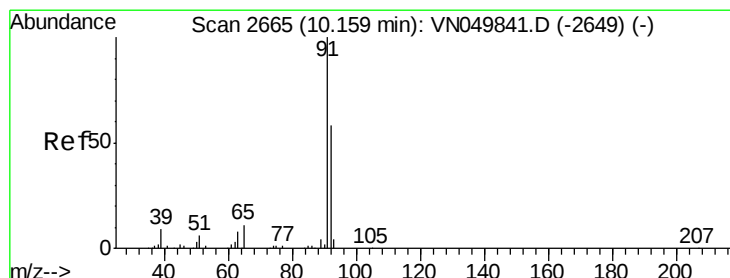
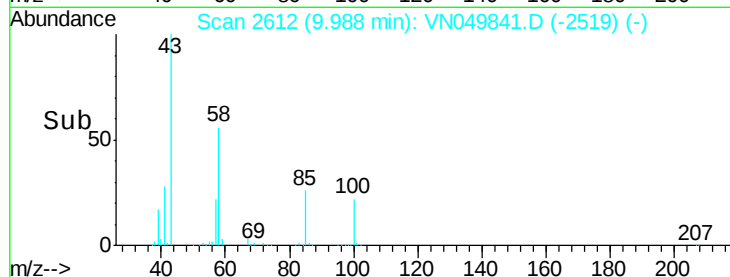
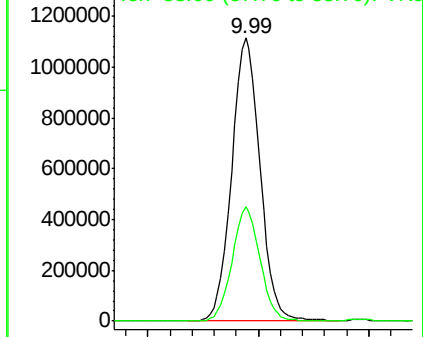
MMDadoda

7/18/2018 11:59:10 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.16 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. -0.00 min

Lab File: VN049841.D

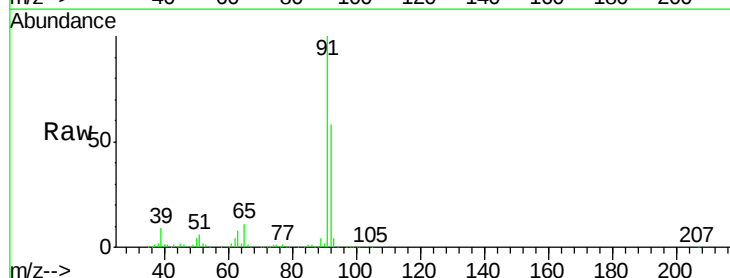
Acq: 17 Jul 2018 11:55

Tgt Ion: 92 Resp: 948206

Ion Ratio Lower Upper

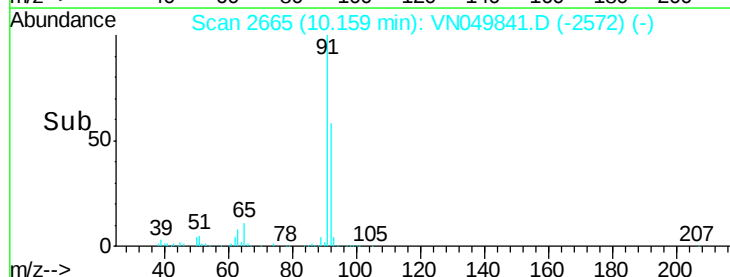
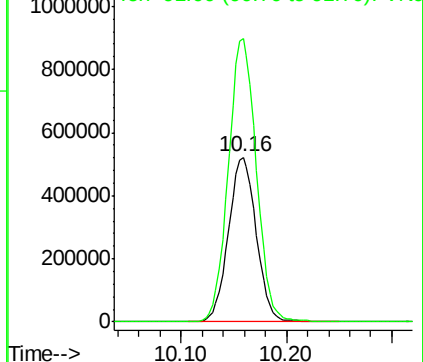
92 100

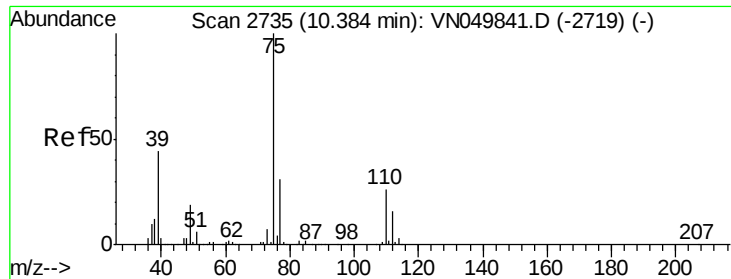
91 173.7 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





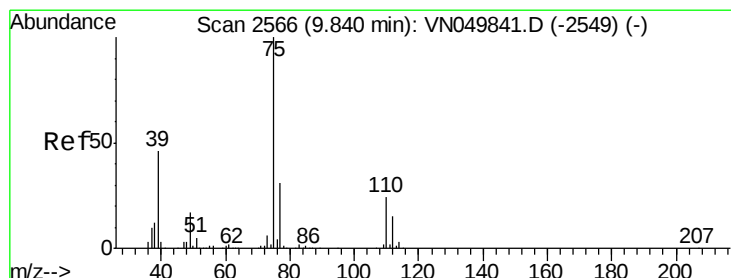
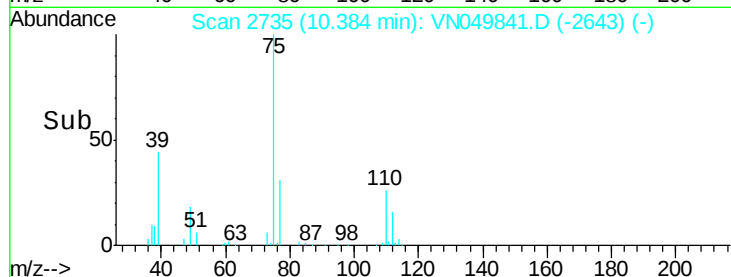
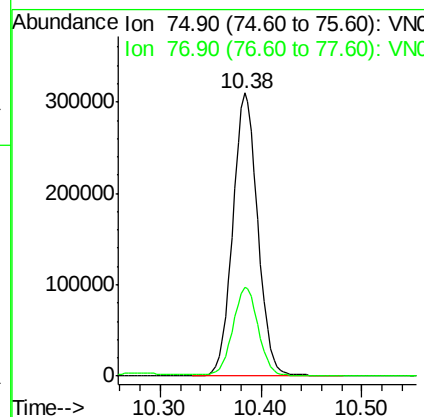
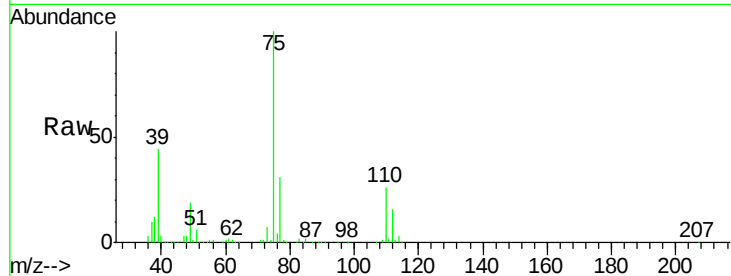
#53
t-1,3-Dichloropropene
Concen: 47.33 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.2	37.8

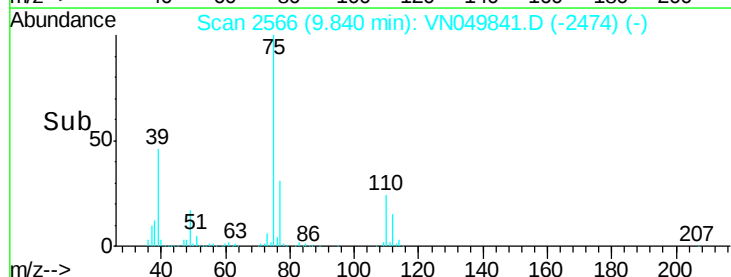
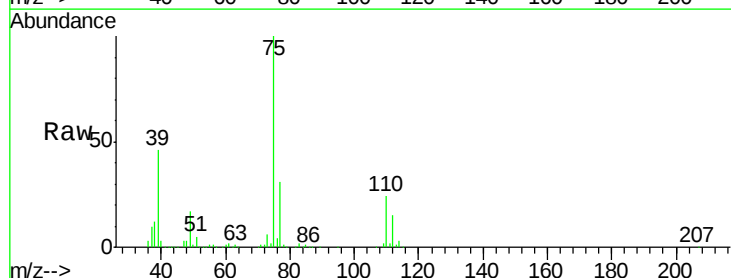
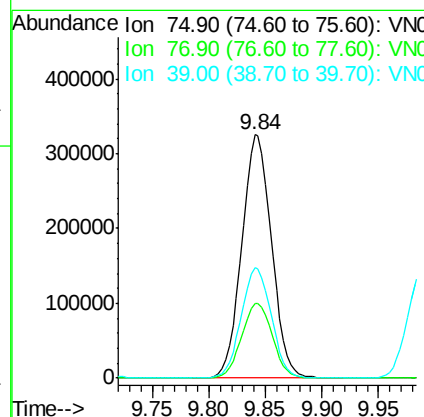
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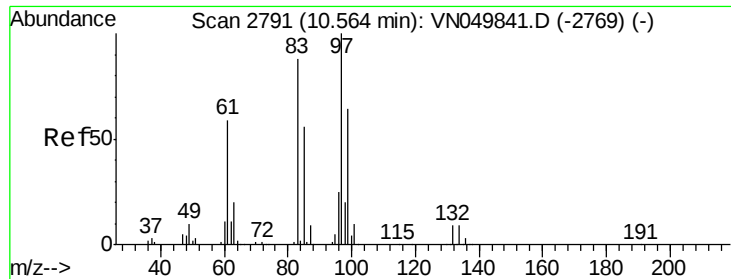
MMDadoda
7/18/2018 11:59:10 AM



#54
cis-1,3-Dichloropropene
Concen: 48.39 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.3	37.9
39	45.6	35.5	53.3





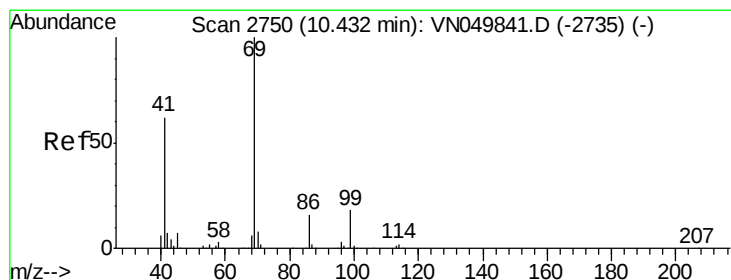
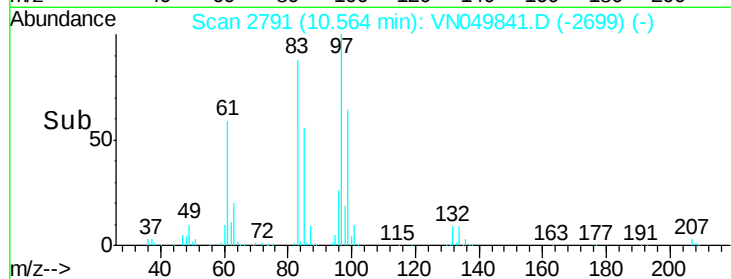
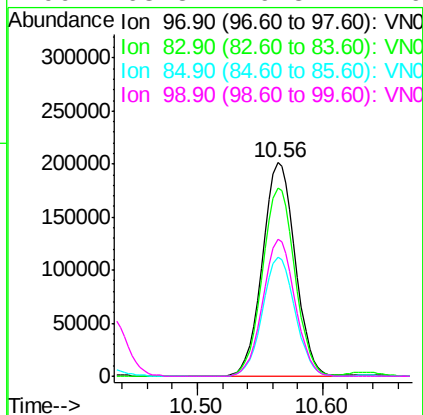
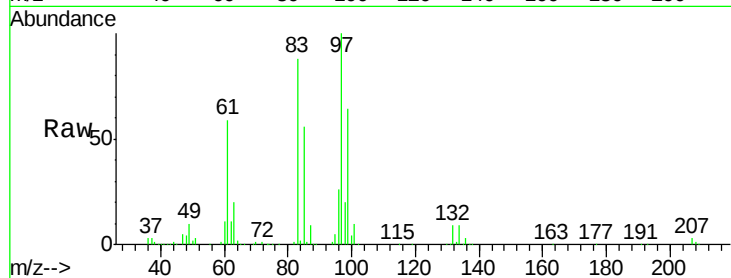
#55
 1,1,2-Trichloroethane
 Concen: 47.05 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN049841.D
 Acq: 17 Jul 2018 11:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.3	69.0	103.6
85	55.8	44.9	67.3
99	63.8	49.8	74.6

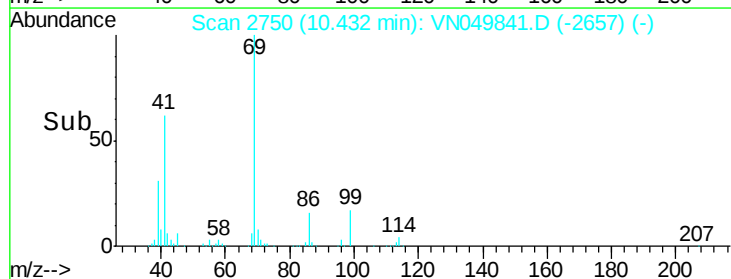
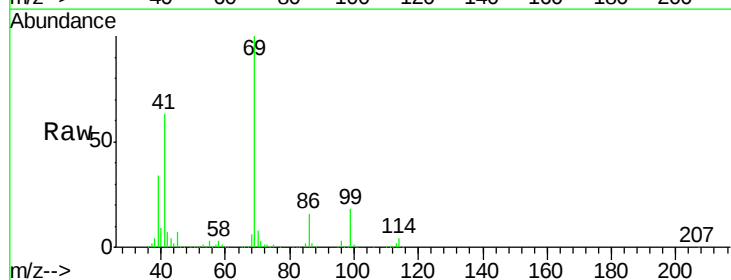
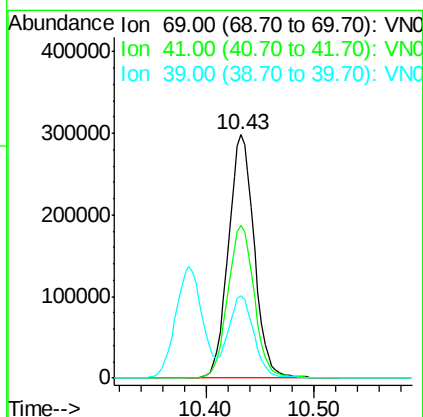
Manual Integrations
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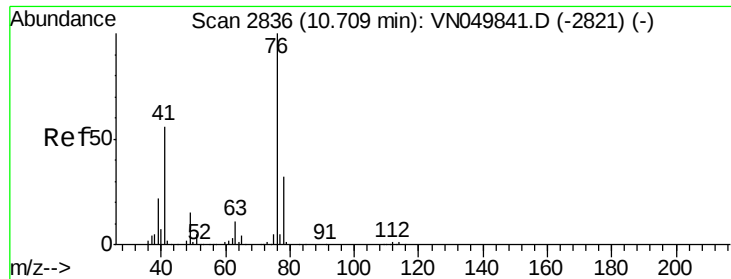
MMDadoda
 7/18/2018 11:59:10 AM



#56
 Ethyl methacrylate
 Concen: 48.52 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. -0.00 min
 Lab File: VN049841.D
 Acq: 17 Jul 2018 11:55

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.5	51.6	77.4
39	33.5	25.8	38.8





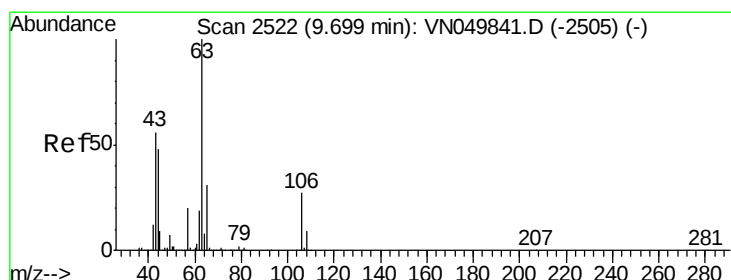
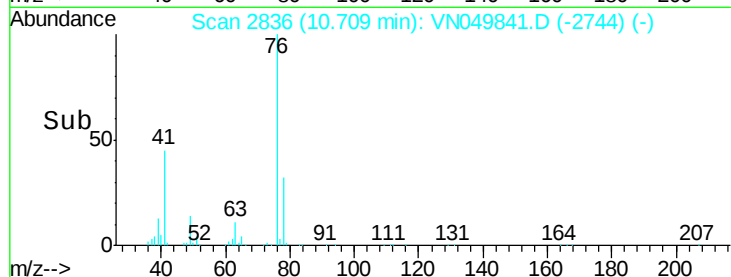
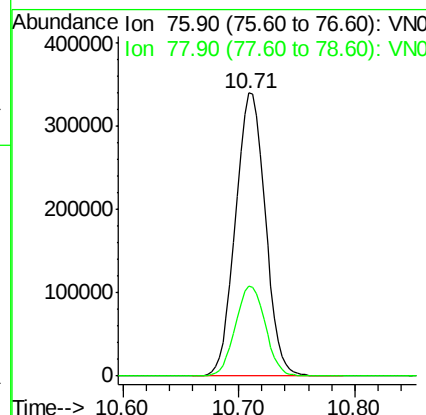
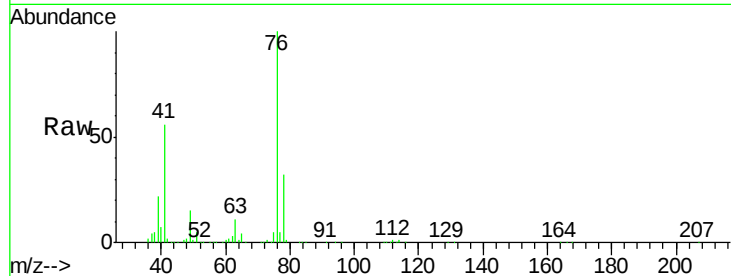
#57
 1,3-Dichloropropane
 Concen: 47.50 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN049841.D
 Acq: 17 Jul 2018 11:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 605459
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.8

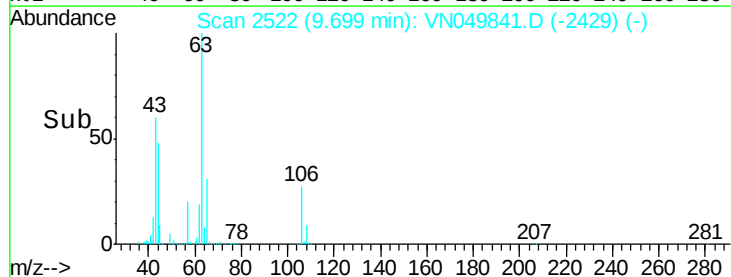
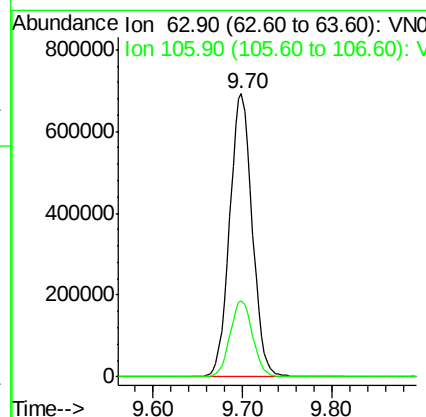
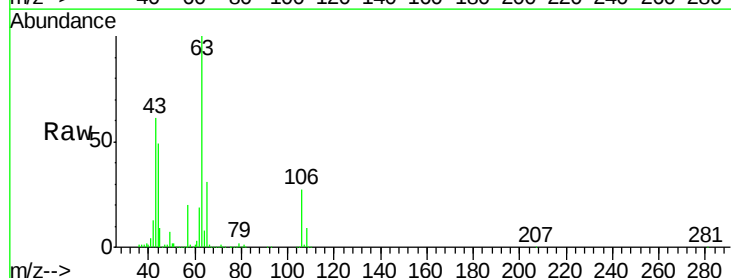
Manual Integrations
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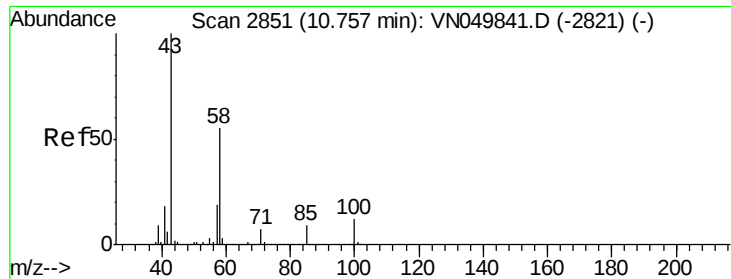
MMDadoda
 7/18/2018 11:59:10 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 252.74 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VN049841.D
 Acq: 17 Jul 2018 11:55

Tgt Ion: 63 Resp: 1210883
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.8 32.8





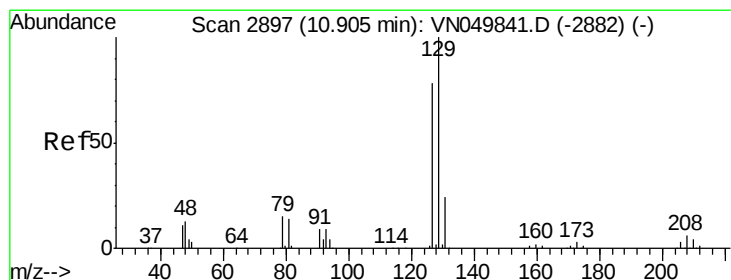
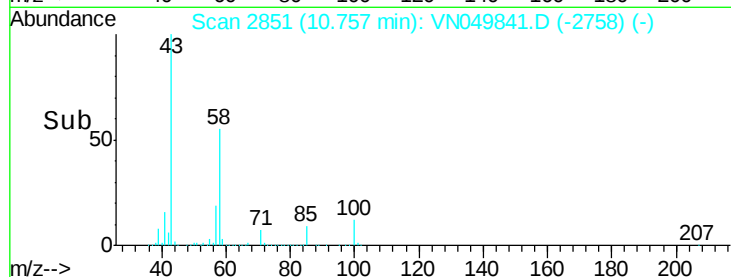
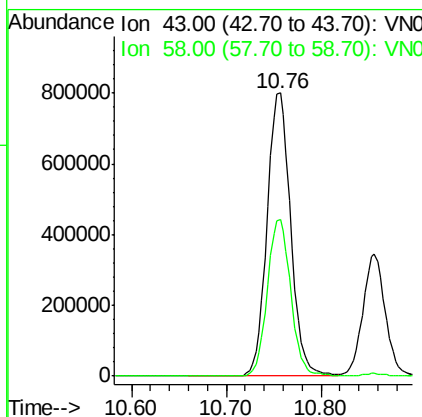
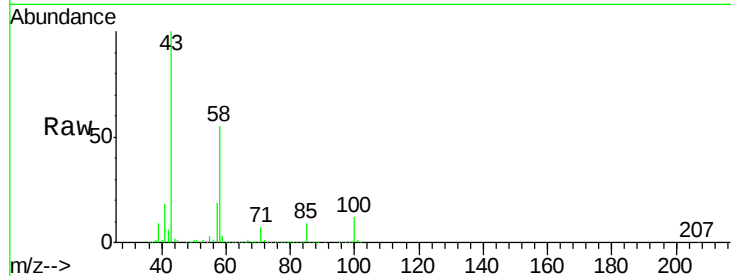
#59
2-Hexanone
Concen: 227.22 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1384323
Ion Ratio Lower Upper
43 100
58 55.0 27.8 83.4

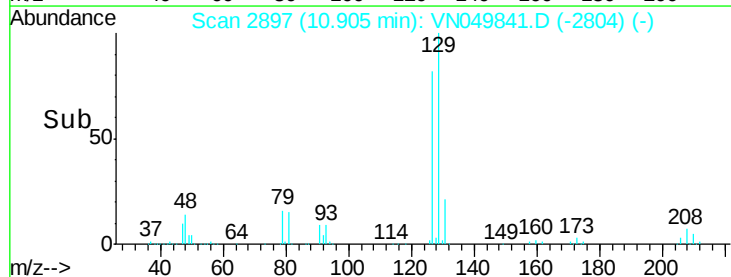
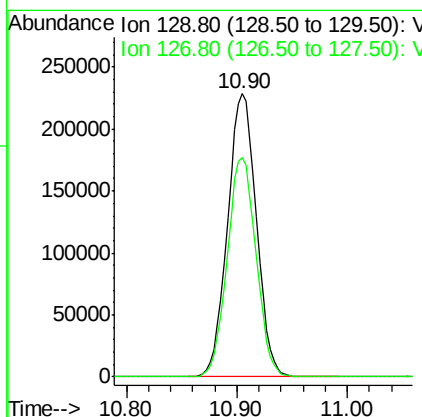
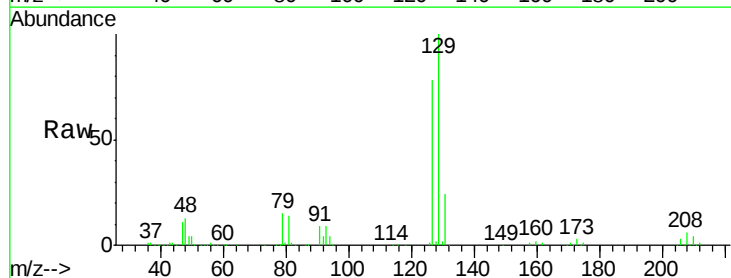
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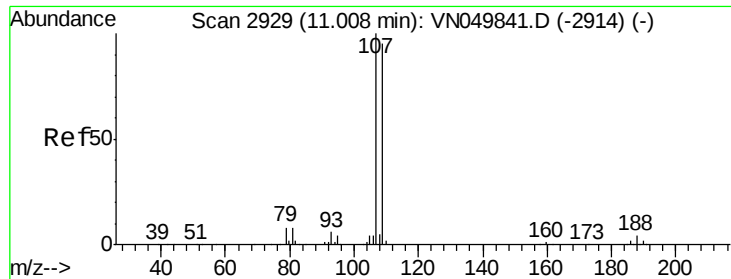
MMDadoda
7/18/2018 11:59:10 AM



#60
Dibromochloromethane
Concen: 47.59 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Tgt Ion: 129 Resp: 413629
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.9





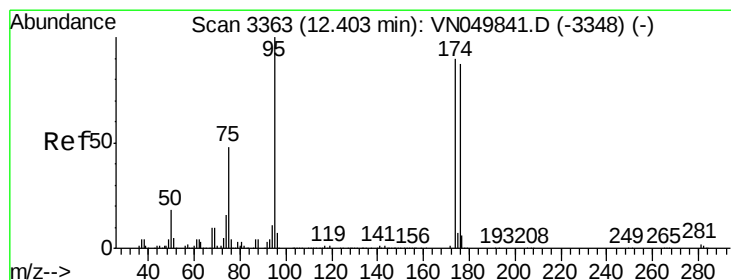
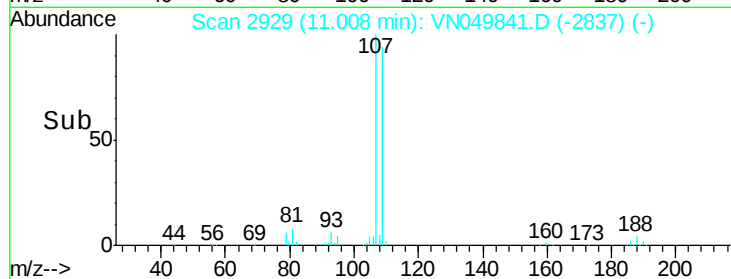
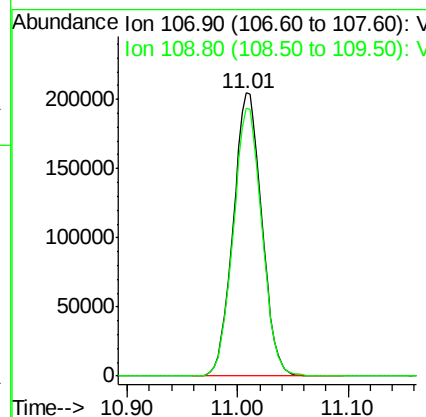
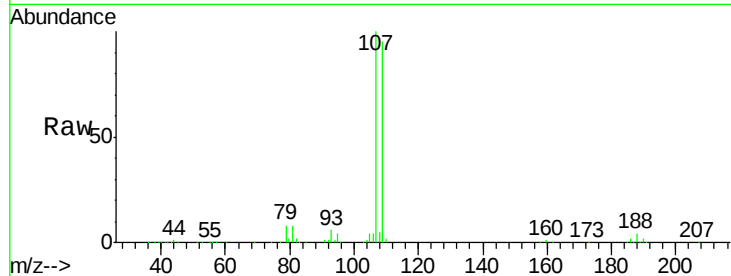
#61
 1,2-Dibromoethane
 Concen: 47.45 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN049841.D
 Acq: 17 Jul 2018 11:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.0	112.6

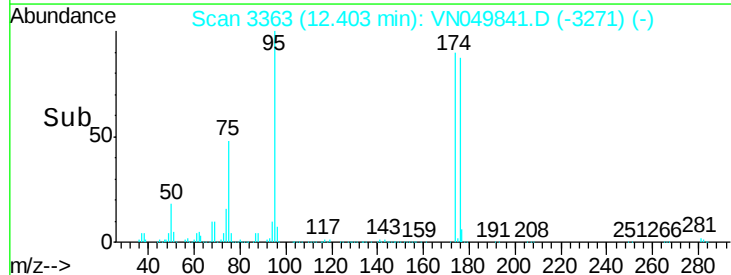
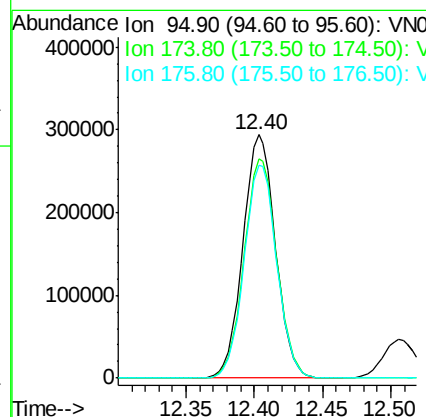
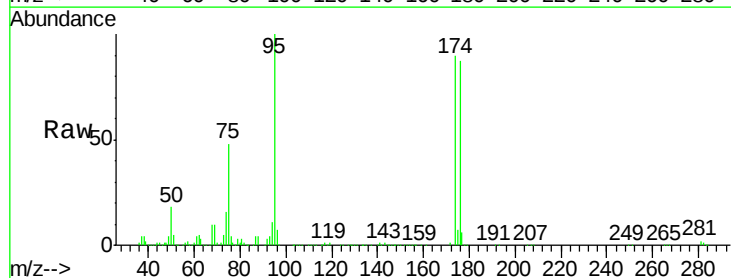
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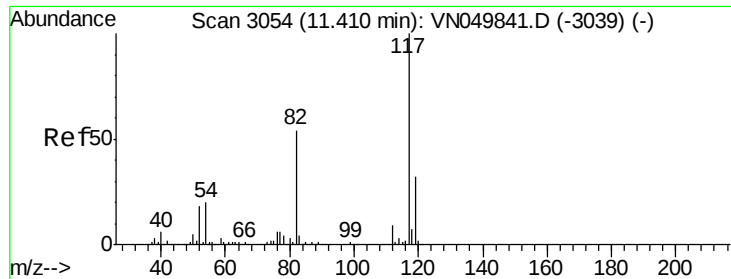
MMDadoda
 7/18/2018 11:59:10 AM



#62
 4-Bromofluorobenzene
 Concen: 49.66 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN049841.D
 Acq: 17 Jul 2018 11:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.7	0.0	179.6
176	87.8	0.0	174.0





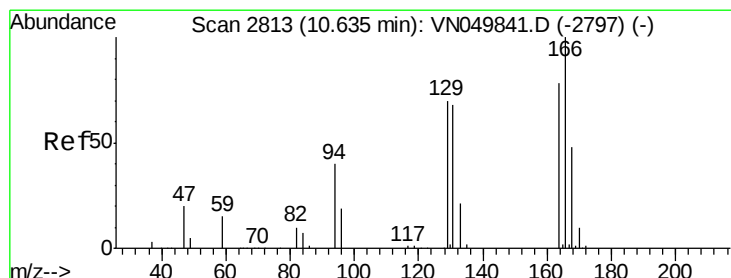
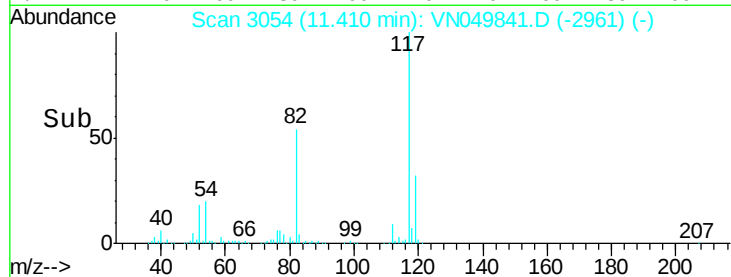
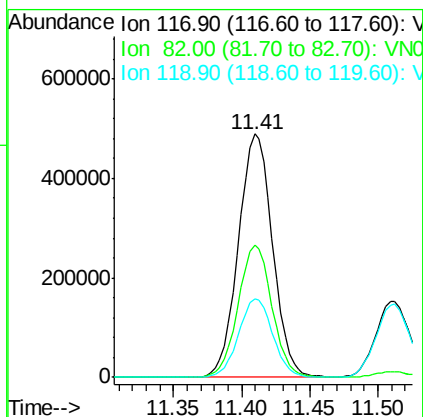
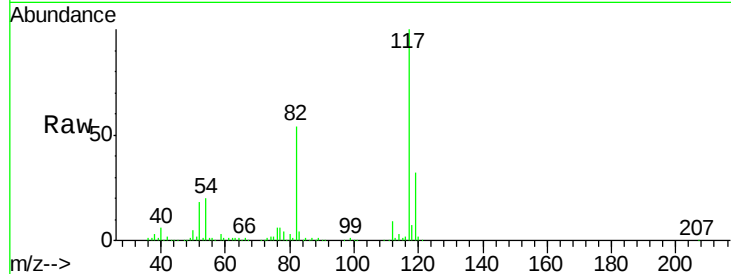
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	851127		
82	54.4	41.9	62.9	
119	32.4	25.4	38.2	

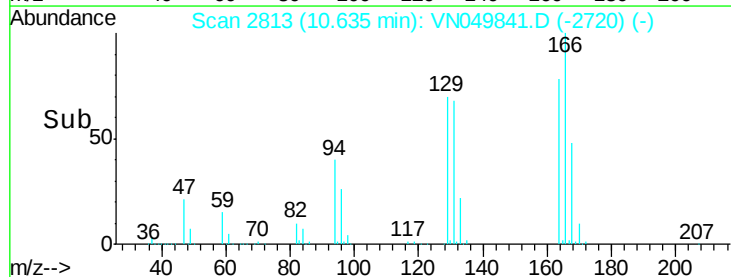
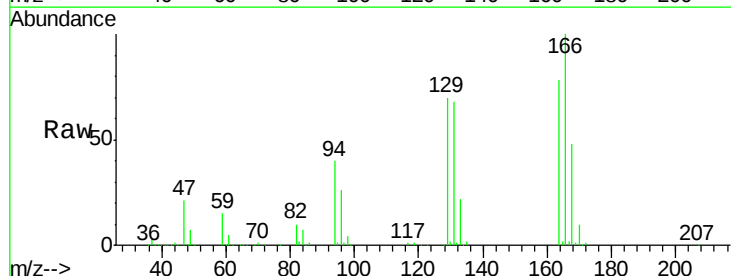
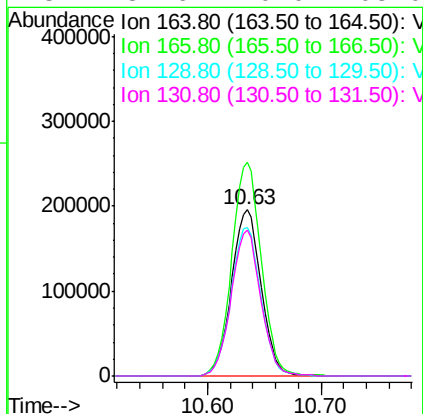
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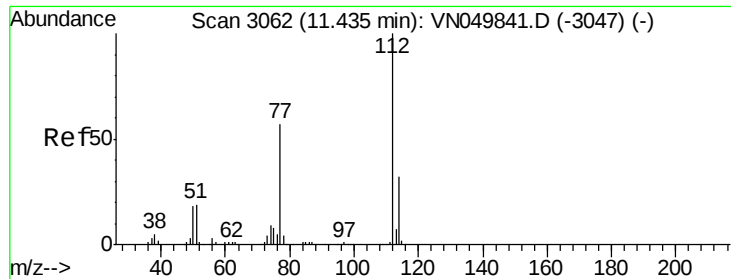
MMDadoda
7/18/2018 11:59:10 AM



#64
Tetrachloroethene
Concen: 45.40 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	356557		
166	128.6	101.8	152.6	
129	89.7	72.8	109.2	
131	87.6	70.0	105.0	





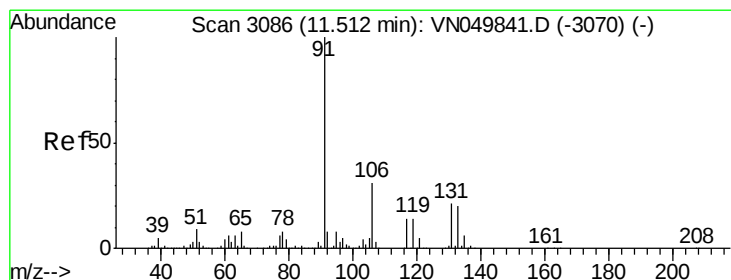
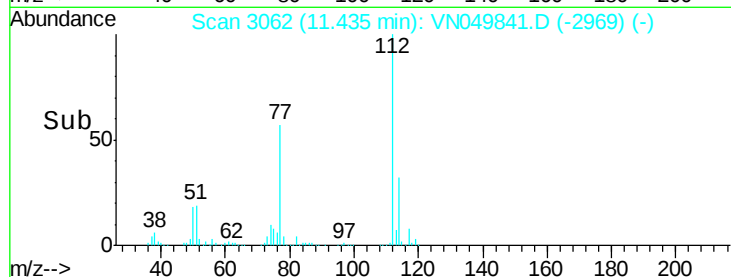
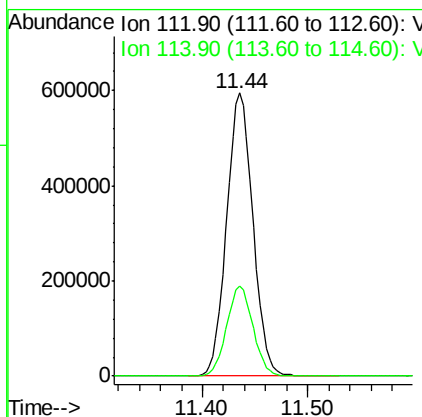
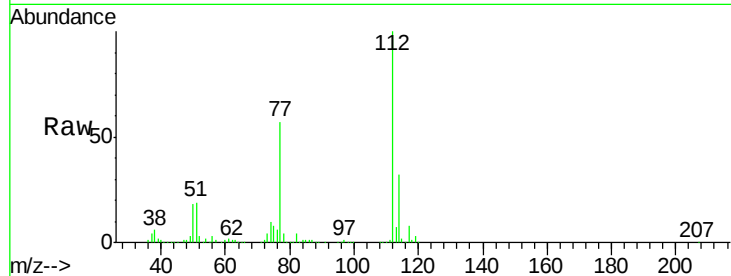
#65
Chlorobenzene
Concen: 46.47 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 1023008
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.0

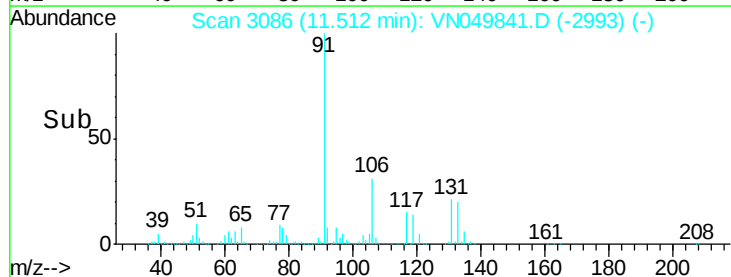
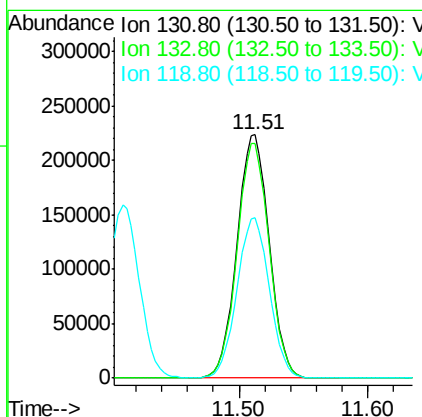
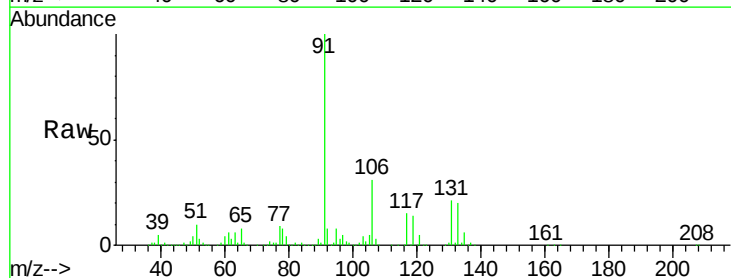
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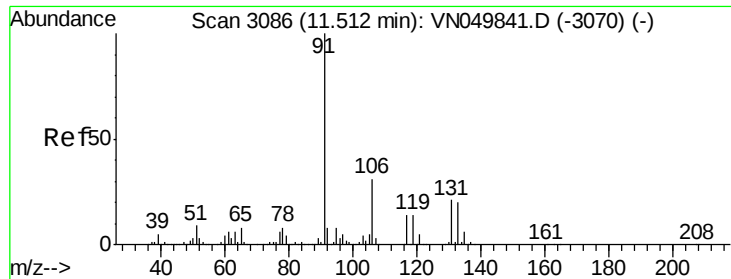
MMDadoda
7/18/2018 11:59:10 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.45 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Tgt Ion:131 Resp: 388144
Ion Ratio Lower Upper
131 100
133 96.2 47.5 142.6
119 66.3 33.1 99.3





#67

Ethyl Benzene

Concen: 49.05 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN049841.D

Acq: 17 Jul 2018 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 1766762

Ion Ratio Lower Upper

91 100

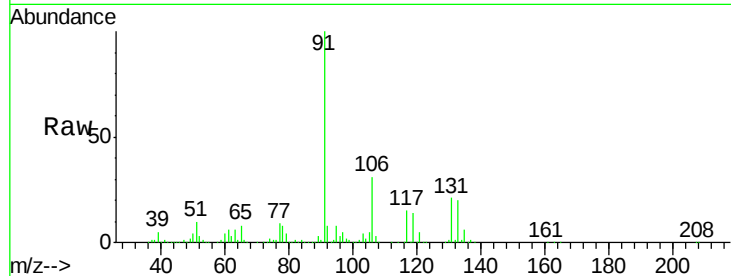
106 30.7 24.8 37.2

Manual Integrations

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7/18/2018 11:59:10 AM



Abundance Ion 91.00 (90.70 to 91.70): VN049841.D (-3070) (-)

Ion 106.00 (105.70 to 106.70): VN049841.D (-3070) (-)

1500000

1000000

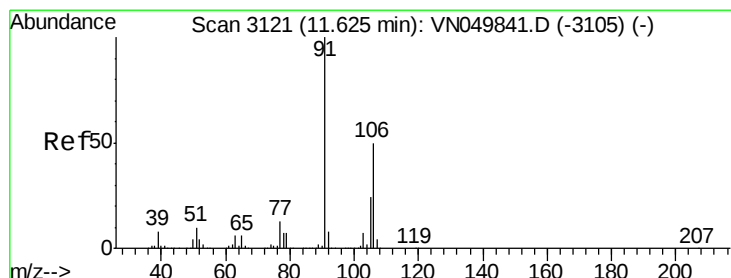
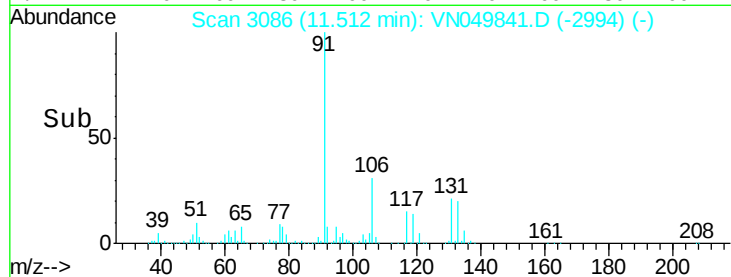
500000

0

11.51

11.60

Time-->



#68

m/p-Xylenes

Concen: 99.03 ug/l

RT: 11.62 min Scan# 3121

Delta R.T. -0.00 min

Lab File: VN049841.D

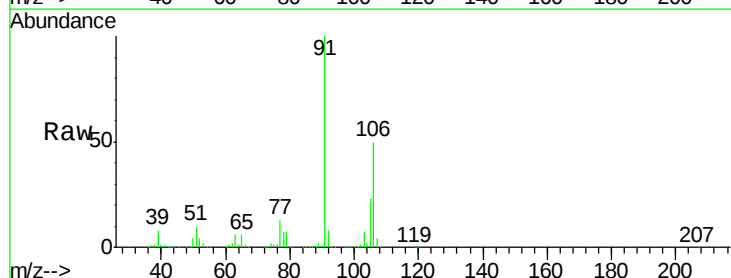
Acq: 17 Jul 2018 11:55

Tgt Ion: 106 Resp: 1359619

Ion Ratio Lower Upper

106 100

91 201.8 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): VN049841.D (-3105) (-)

Ion 91.00 (90.70 to 91.70): VN049841.D (-3105) (-)

1500000

1000000

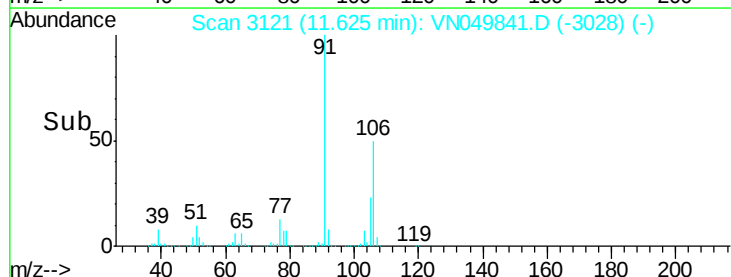
500000

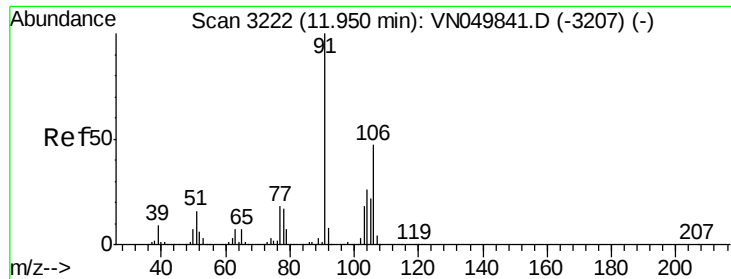
0

11.62

11.70

Time-->





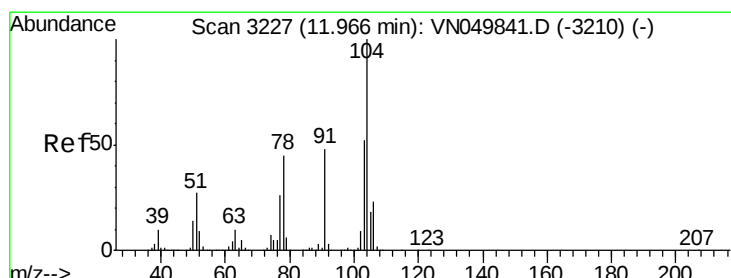
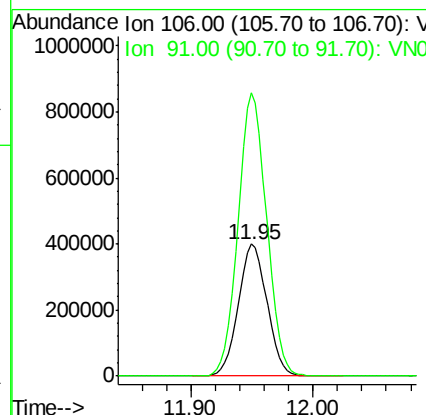
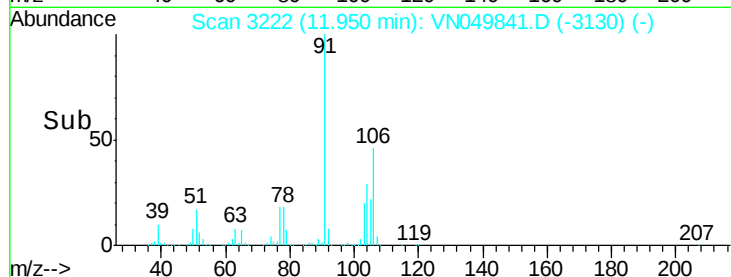
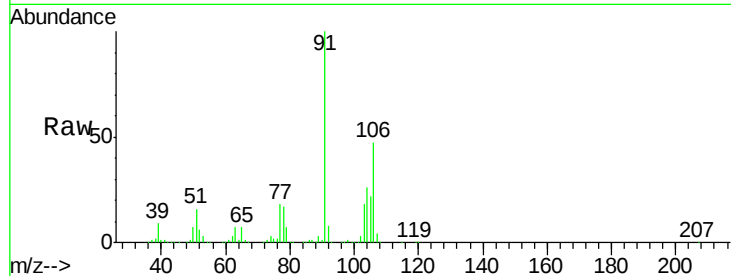
#69
o-Xylene
Concen: 49.95 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 652000
Ion Ratio Lower Upper
106 100
91 213.1 108.7 326.1

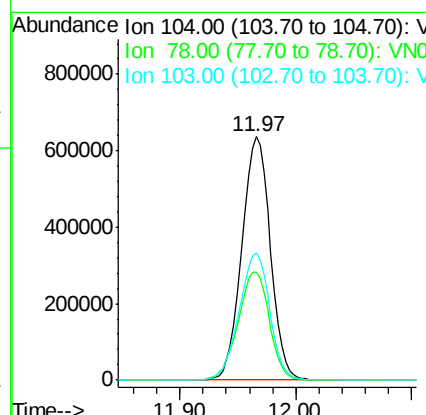
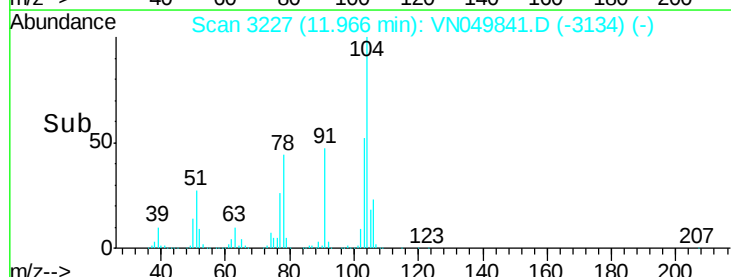
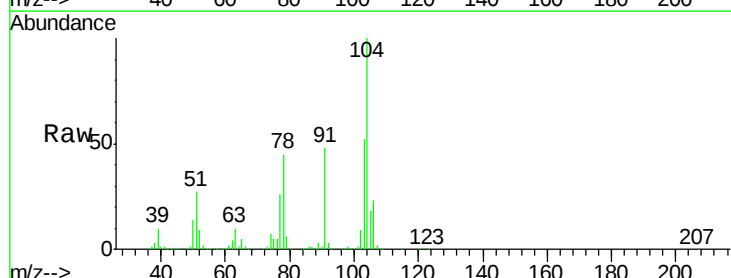
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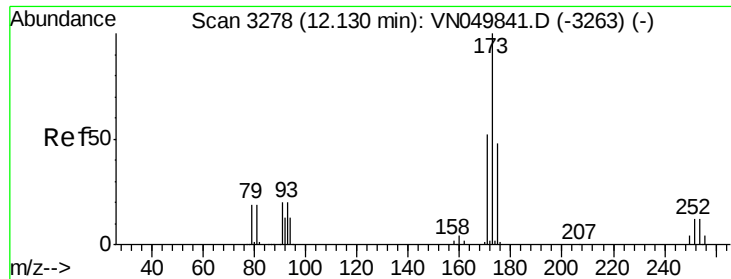
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#70
Styrene
Concen: 50.69 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Tgt Ion:104 Resp: 1083032
Ion Ratio Lower Upper
104 100
78 48.9 39.2 58.8
103 56.0 44.6 67.0





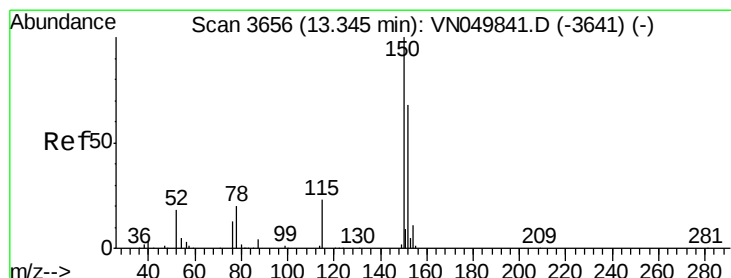
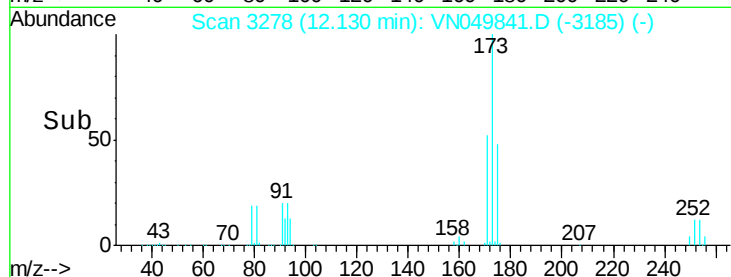
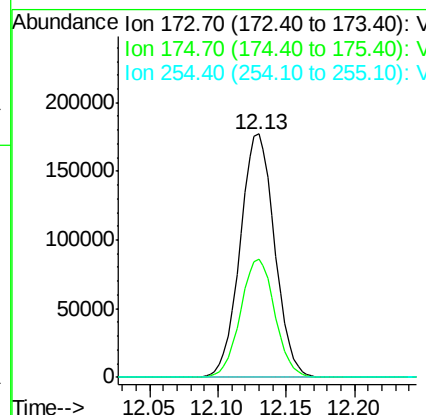
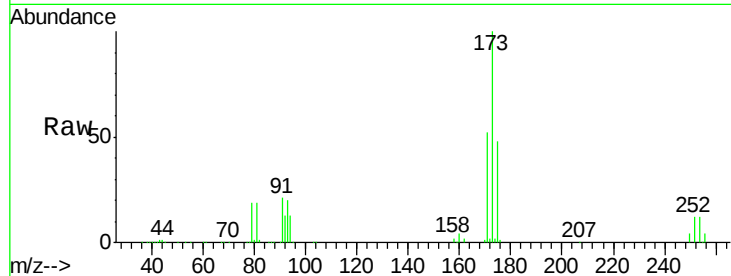
#71
Bromoform
Concen: 47.76 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.6	73.8
254	0.2	0.2	0.2

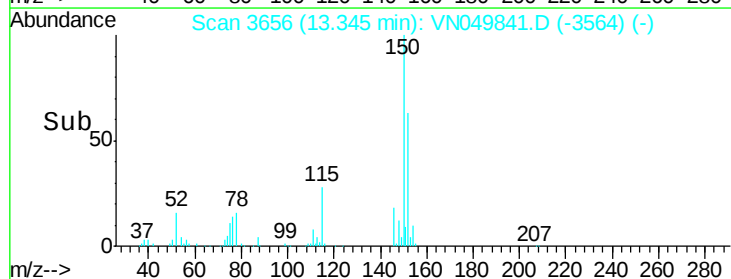
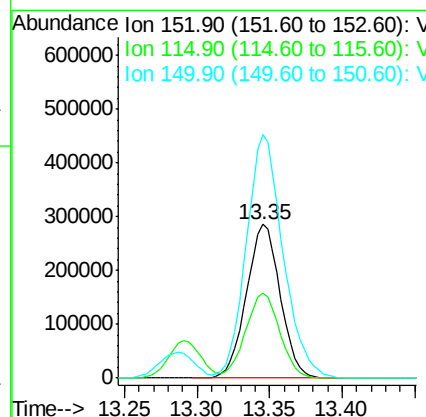
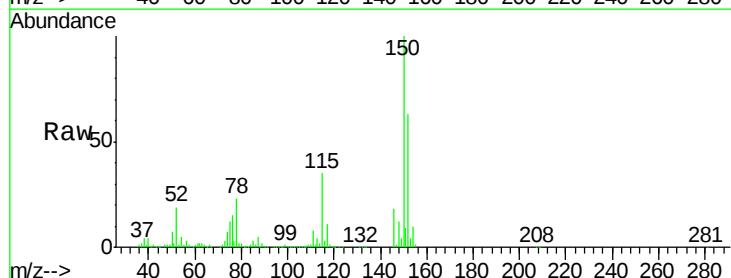
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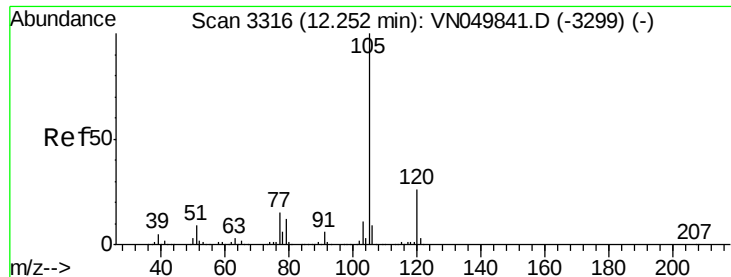
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.1	84.2
150	173.0	0.0	347.6





#73

Isopropylbenzene

Concen: 47.30 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. -0.00 min

Lab File: VN049841.D

Acq: 17 Jul 2018 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1736794

Ion Ratio Lower Upper

105 100

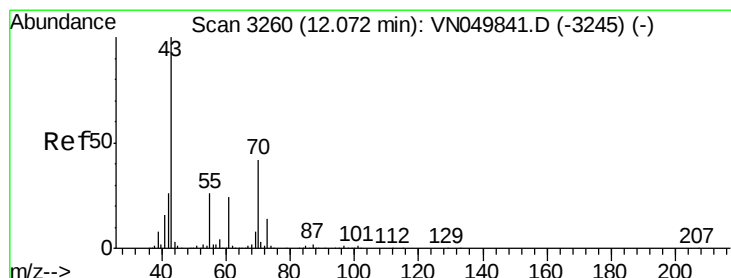
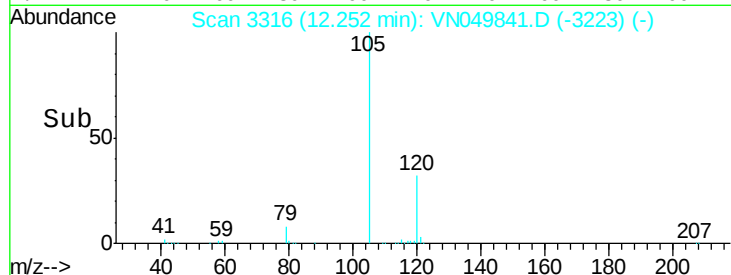
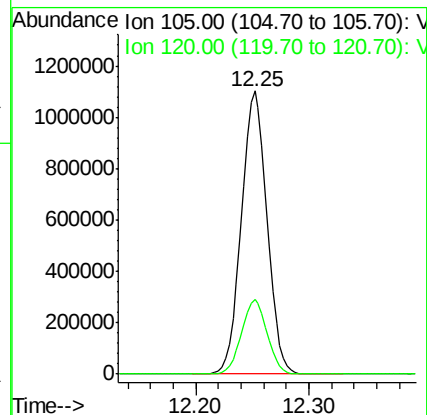
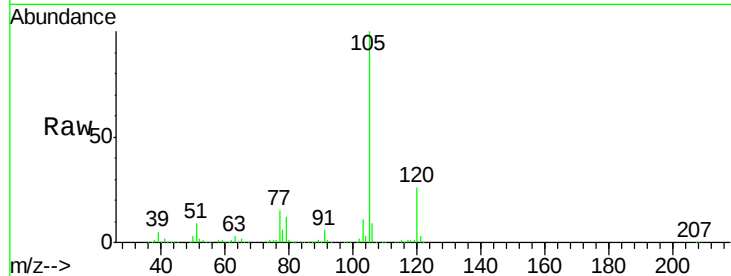
120 26.4 13.3 39.8

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7/18/2018 11:59:10 AM



#74

N-ethyl acetate

Concen: 44.91 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN049841.D

Acq: 17 Jul 2018 11:55

Tgt Ion: 43 Resp: 577446

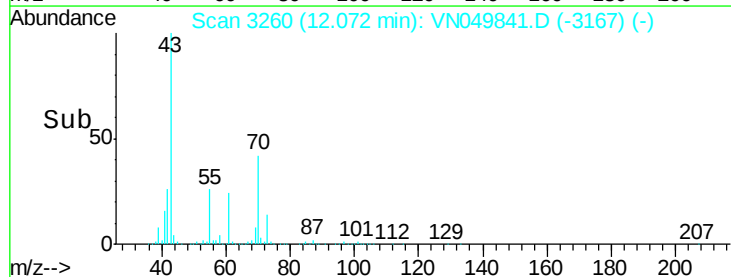
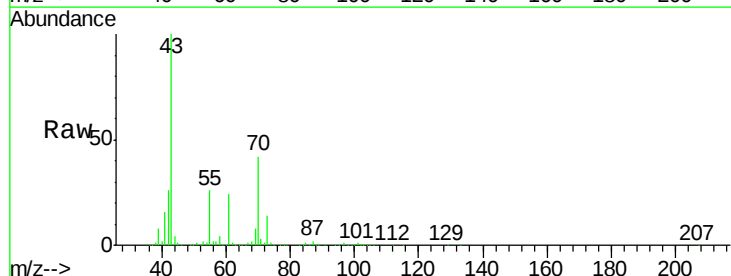
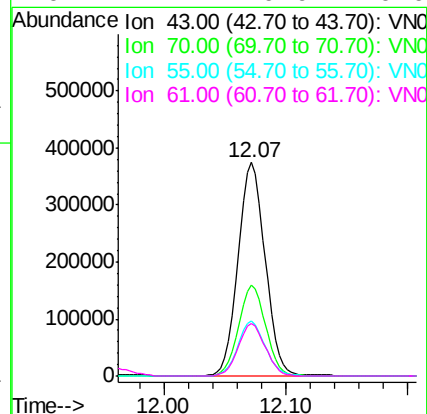
Ion Ratio Lower Upper

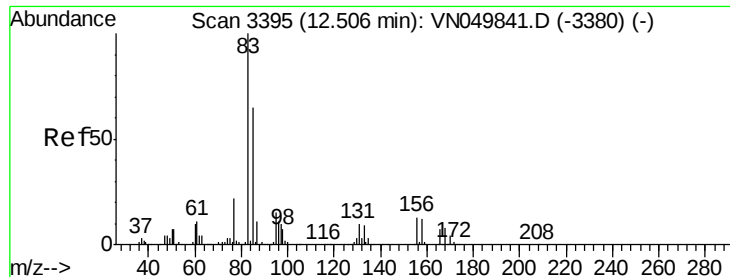
43 100

70 42.7 34.8 52.2

55 26.0 20.9 31.3

61 24.4 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 42.56 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN049841.D

Acq: 17 Jul 2018 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 507579

Ion Ratio Lower Upper

83 100

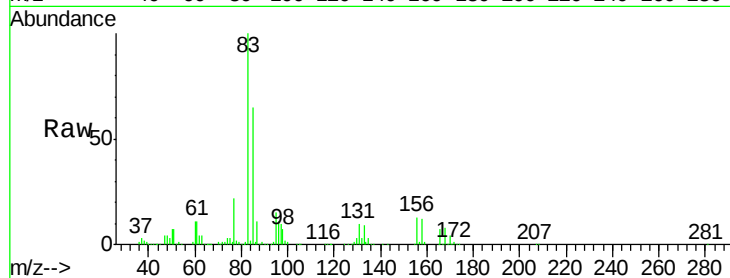
131 10.5 5.2 15.6

85 64.1 32.5 97.4

Manual Integrations
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MMDadoda

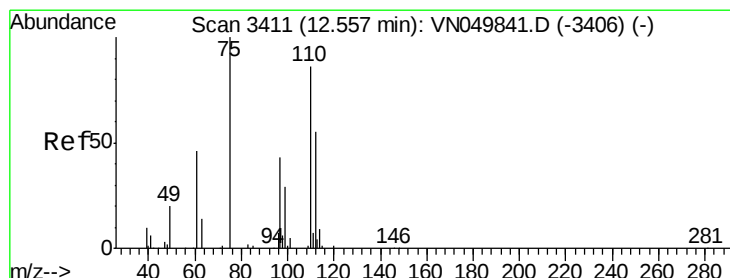
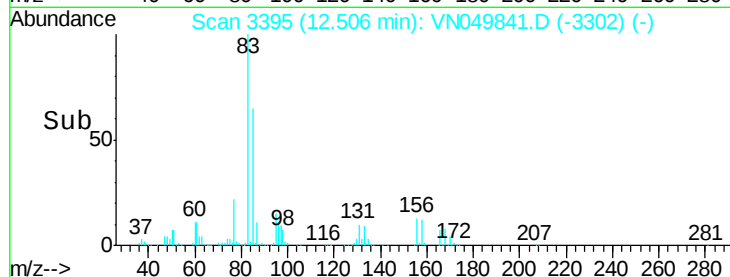
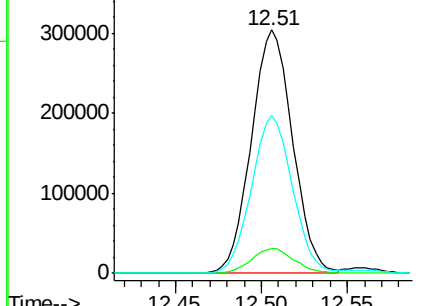
7/18/2018 11:59:10 AM



Abundance Ion 82.90 (82.60 to 83.60): VN049841.D (-3380) (-)

Ion 130.80 (130.50 to 131.50): VN049841.D (-3380) (-)

Ion 84.90 (84.60 to 85.60): VN049841.D (-3380) (-)



#76

1,2,3-Trichloropropane

Concen: 41.36 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN049841.D

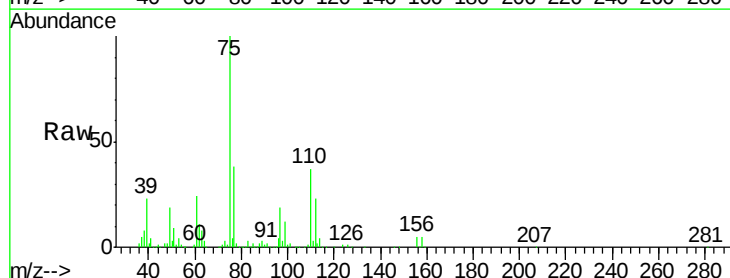
Acq: 17 Jul 2018 11:55

Tgt Ion: 75 Resp: 412049

Ion Ratio Lower Upper

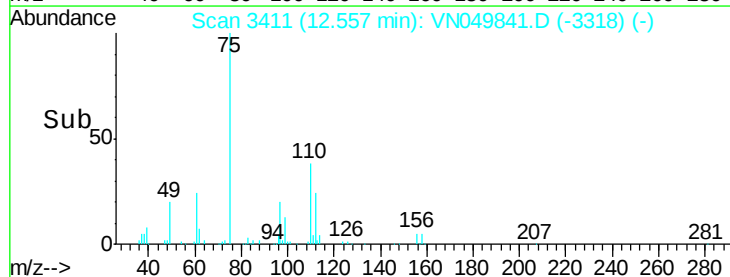
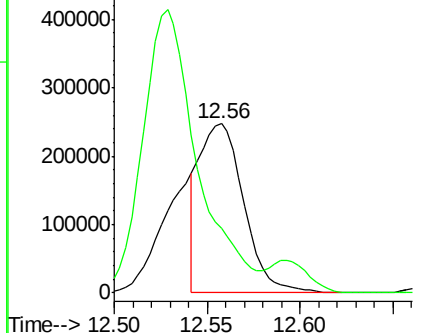
75 100

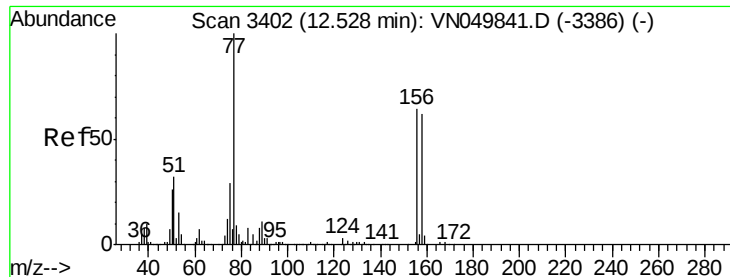
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049841.D (-3406) (-)

Ion 77.00 (76.70 to 77.70): VN049841.D (-3406) (-)





#77

Bromobenzene

Concen: 45.35 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN049841.D

Acq: 17 Jul 2018 11:55

Instrument :

MSVOA_N

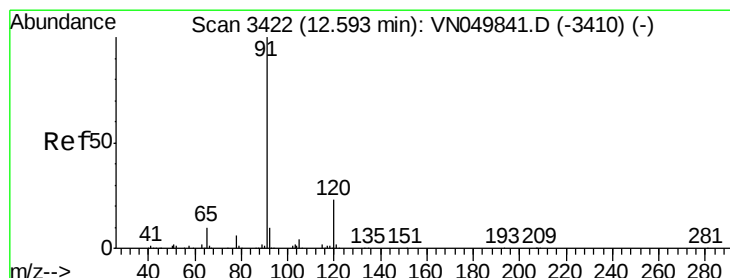
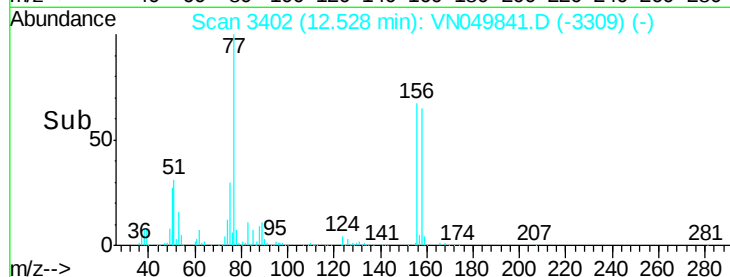
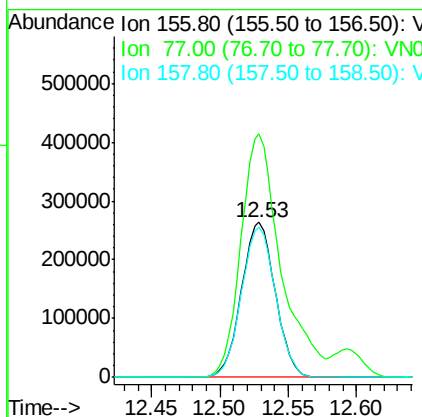
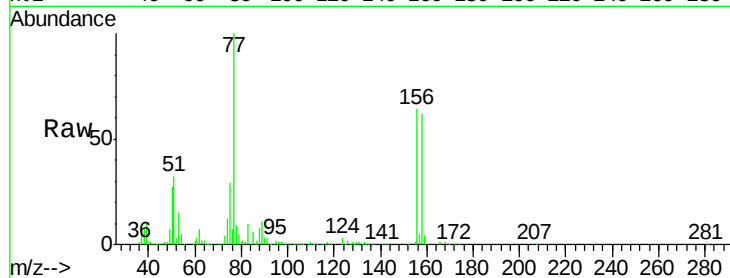
ClientSampled :

VSTDICCC050

Tot Ion:	156	Resp:	453006
Ion Ratio	Lower	Upper	
156	100		
77	186.4	90.2	270.6
158	97.8	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 47.85 ug/l

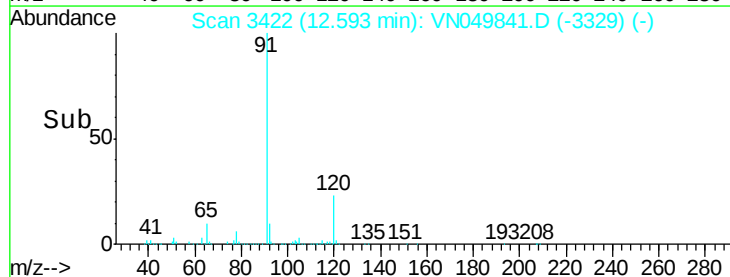
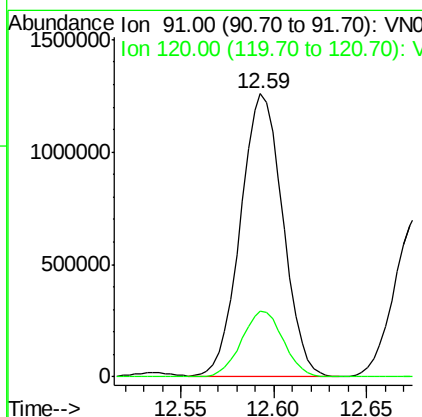
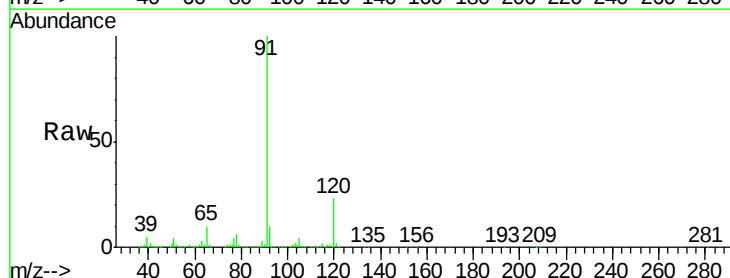
RT: 12.59 min Scan# 3422

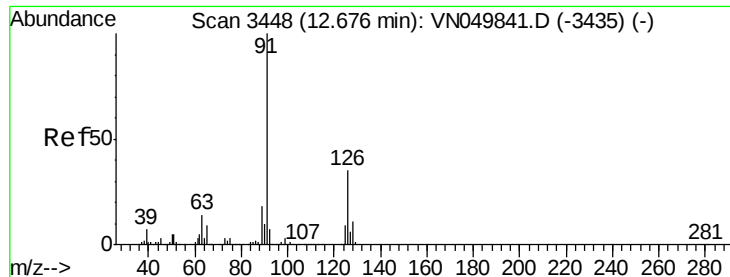
Delta R.T. -0.00 min

Lab File: VN049841.D

Acq: 17 Jul 2018 11:55

Tgt Ion:	91	Resp:	1992266
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.5	34.4





#79

2-Chlorotoluene

Concen: 46.25 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049841.D

Acq: 17 Jul 2018 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 1194188

Ion Ratio Lower Upper

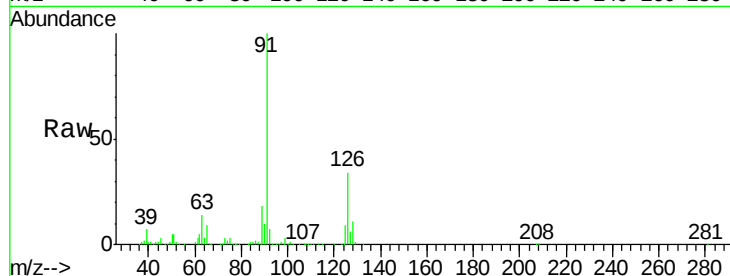
91 100

126 34.8 17.5 52.5

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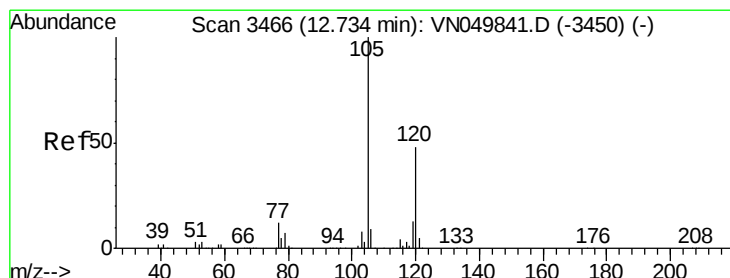
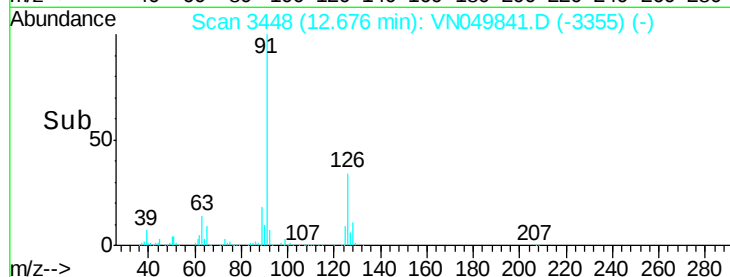
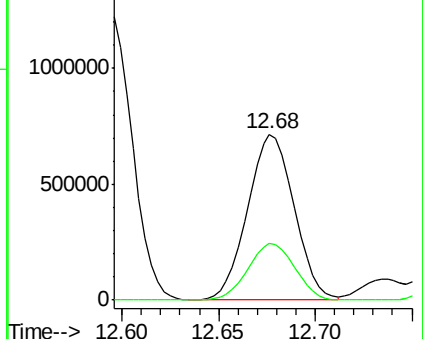
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN049841.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN049841.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.33 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049841.D

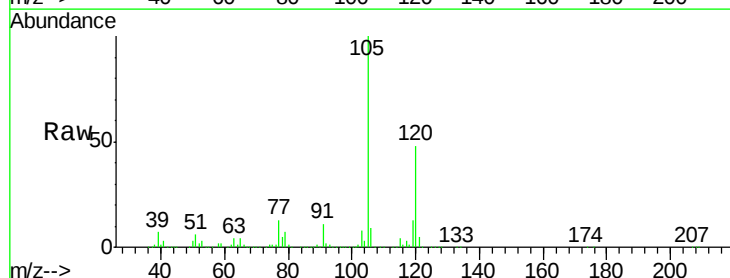
Acq: 17 Jul 2018 11:55

Tgt Ion: 105 Resp: 1407600

Ion Ratio Lower Upper

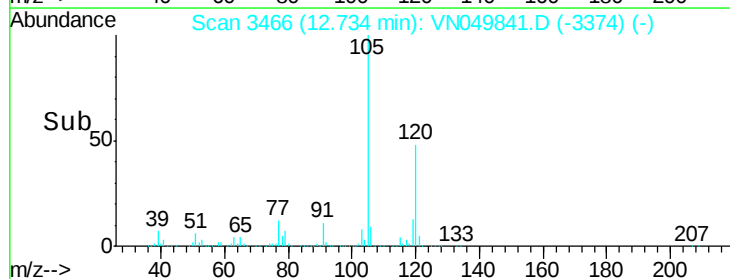
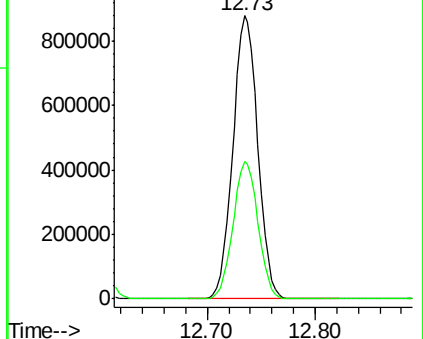
105 100

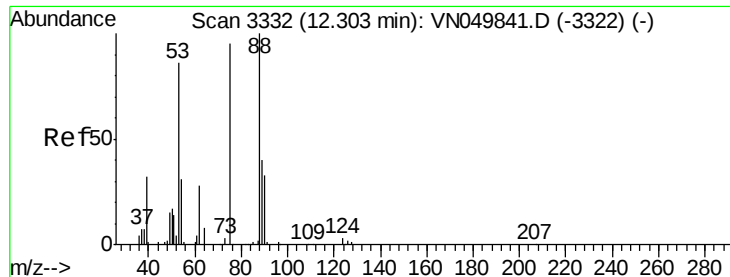
120 48.8 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049841.D (-3450) (-)

Ion 120.00 (119.70 to 120.70): VN049841.D (-3450) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 46.15 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VN049841.D

Acq: 17 Jul 2018 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 145708

Ion Ratio Lower Upper

75 100

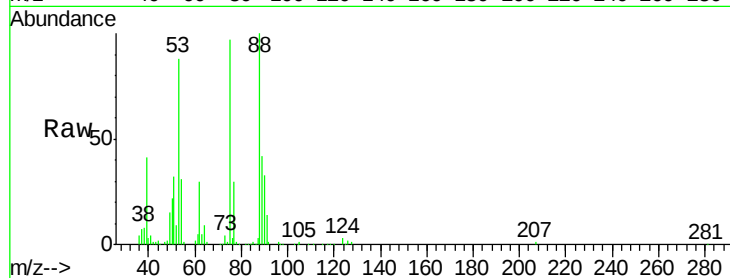
53 91.8 73.9 110.9

89 44.1 35.9 53.9

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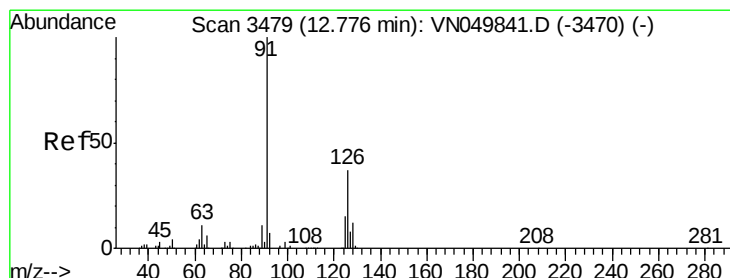
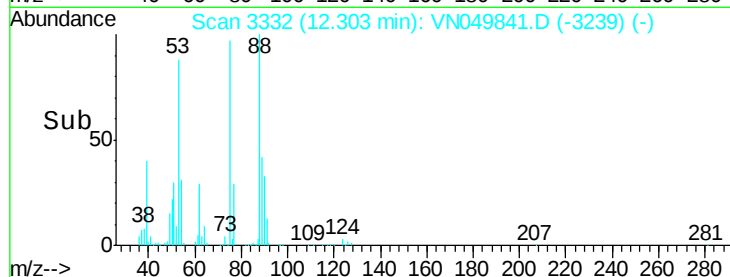
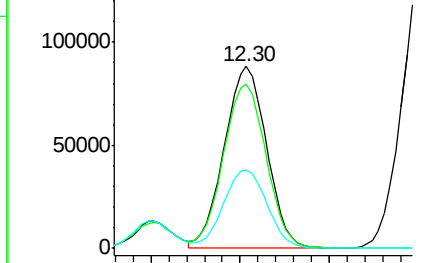
7/18/2018 11:59:10 AM



Abundance Ion 74.90 (74.60 to 75.60): VN049841.D (-3332) (-)

Ion 53.00 (52.70 to 53.70): VN049841.D (-3332) (-)

Ion 88.90 (88.60 to 89.60): VN049841.D (-3332) (-)



#82

4-Chlorotoluene

Concen: 45.74 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. -0.00 min

Lab File: VN049841.D

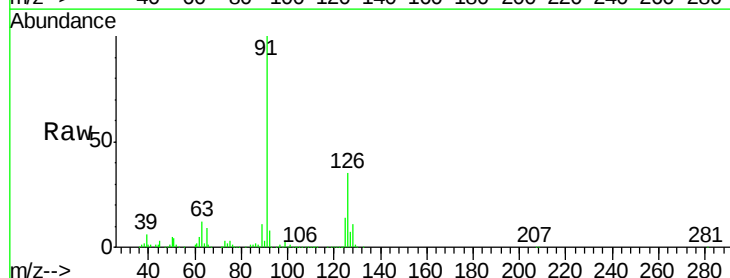
Acq: 17 Jul 2018 11:55

Tgt Ion: 91 Resp: 1198805

Ion Ratio Lower Upper

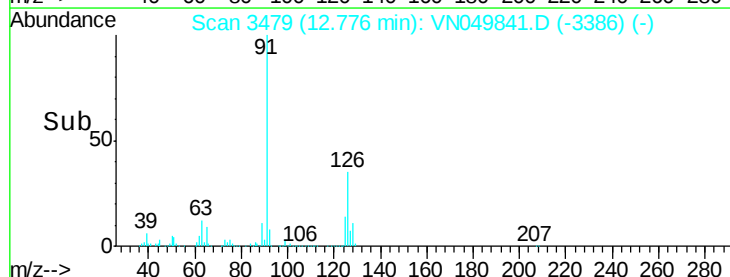
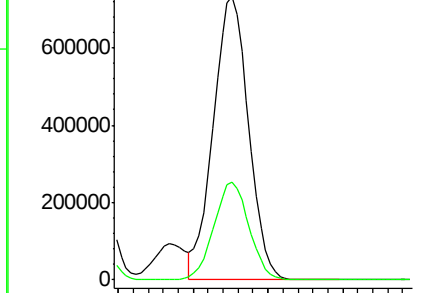
91 100

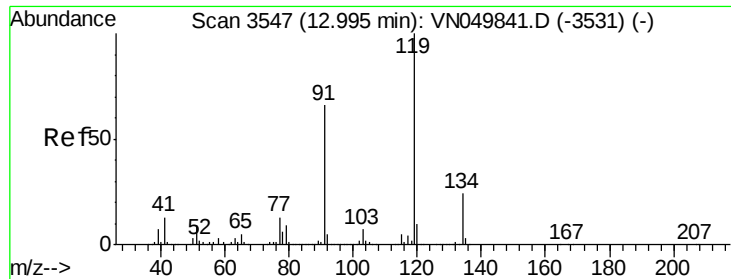
126 34.4 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VN049841.D (-3479) (-)

Ion 125.90 (125.60 to 126.60): VN049841.D (-3479) (-)





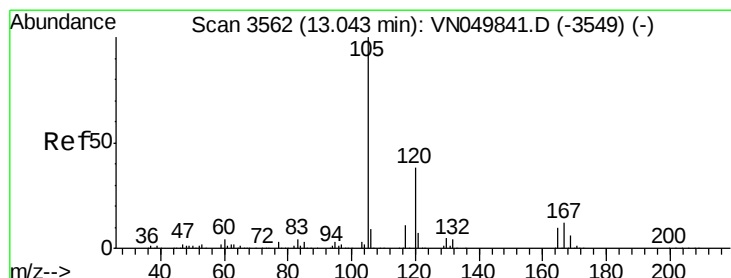
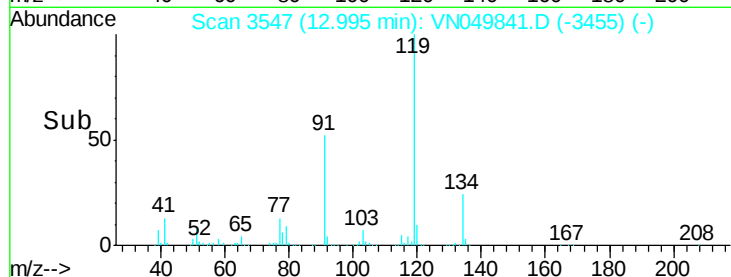
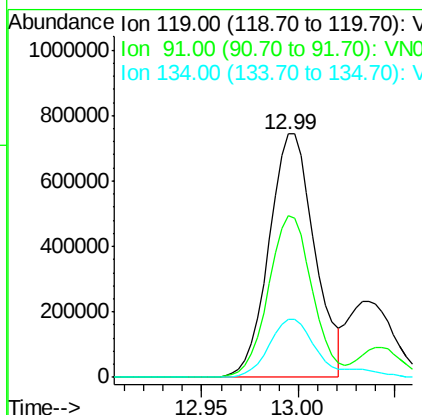
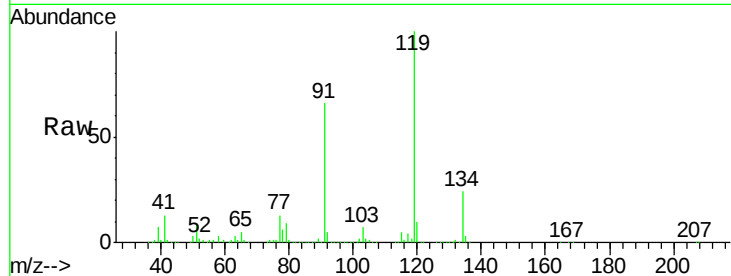
#83
 tert-Butylbenzene
 Concen: 47.49 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN049841.D
 Acq: 17 Jul 2018 11:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.8	32.0	96.2
134	23.9	12.8	38.4

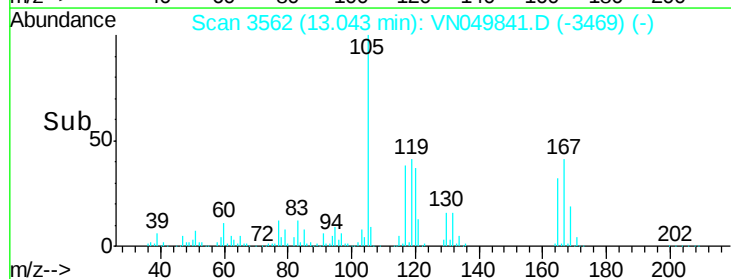
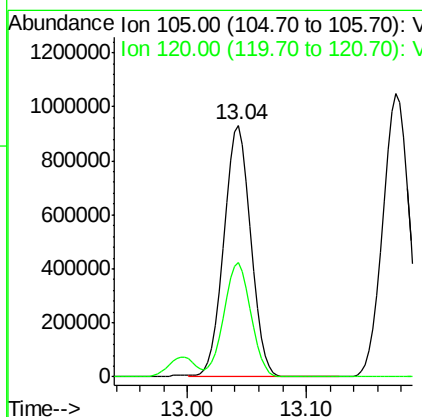
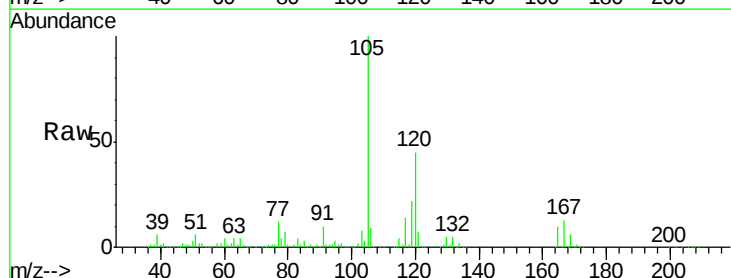
Manual Integrations
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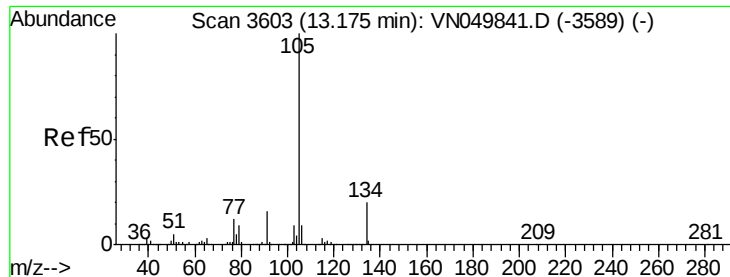
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.06 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. -0.00 min
 Lab File: VN049841.D
 Acq: 17 Jul 2018 11:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.7	68.1





#85

sec-Butylbenzene

Concen: 47.76 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049841.D

Acq: 17 Jul 2018 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1634927

Ion Ratio Lower Upper

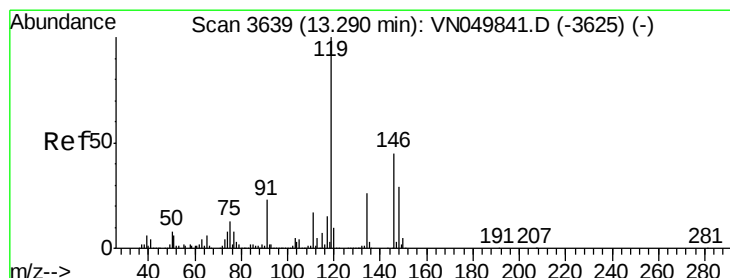
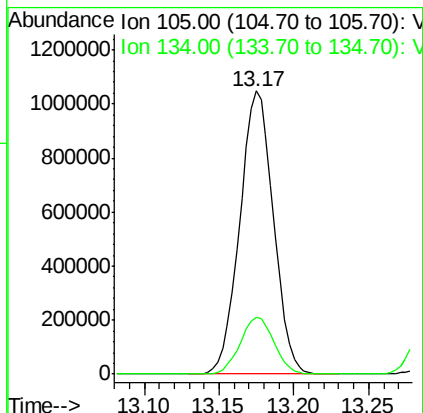
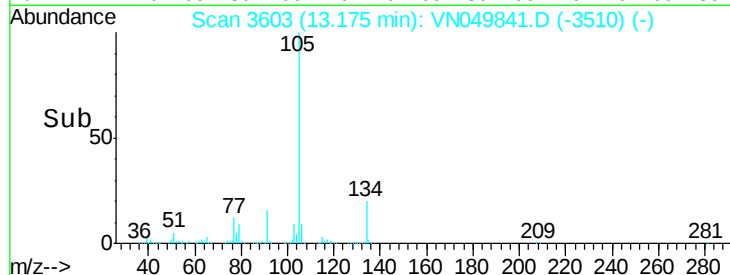
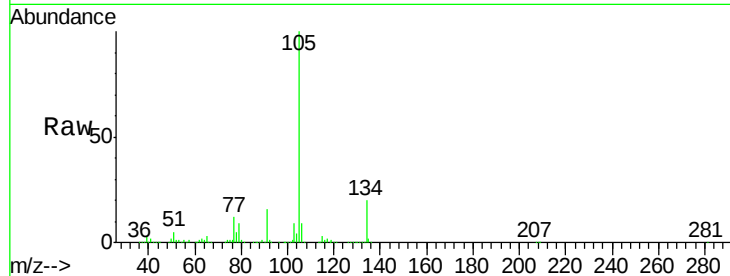
105 100

134 20.2 10.1 30.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 48.70 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049841.D

Acq: 17 Jul 2018 11:55

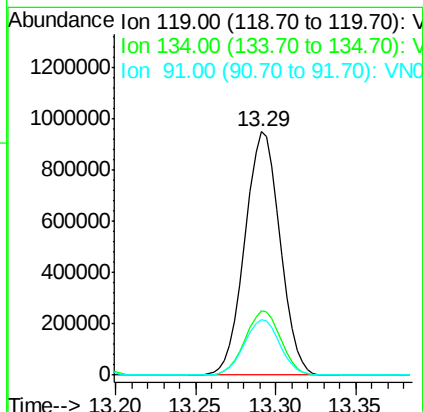
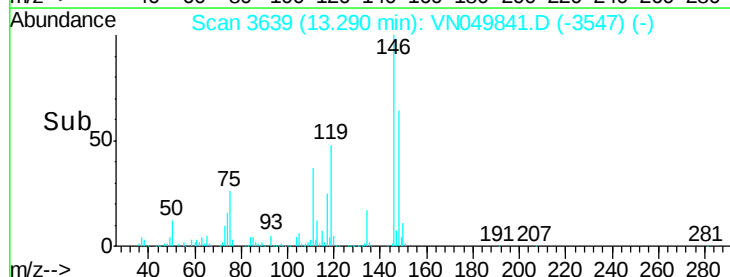
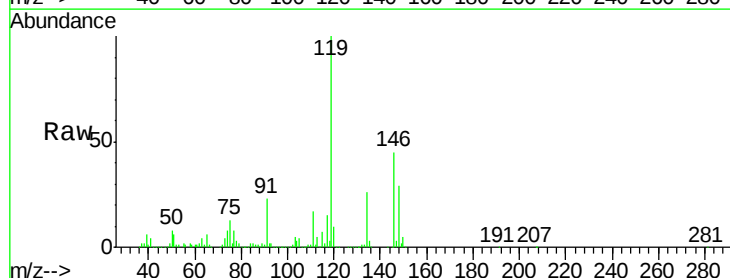
Tgt Ion:119 Resp: 1421493

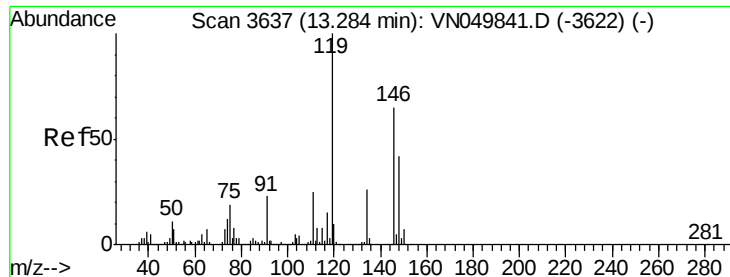
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

91 23.0 11.4 34.1





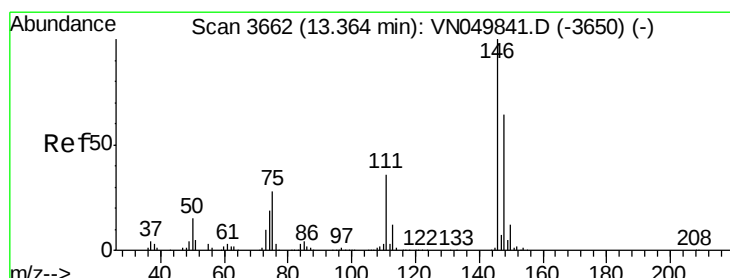
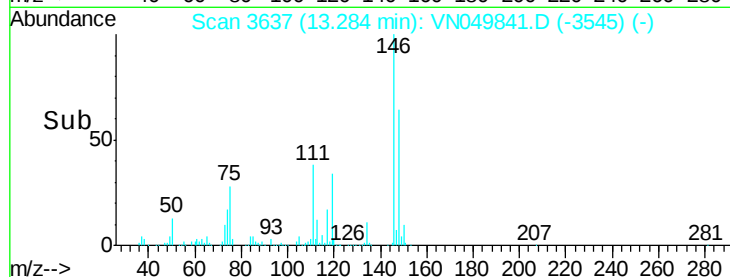
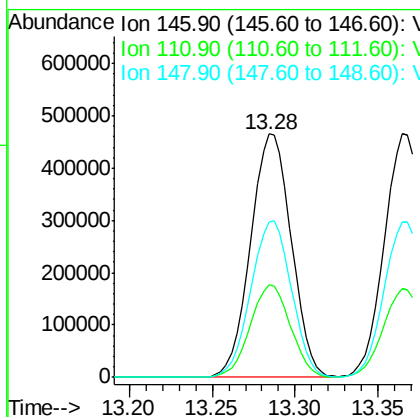
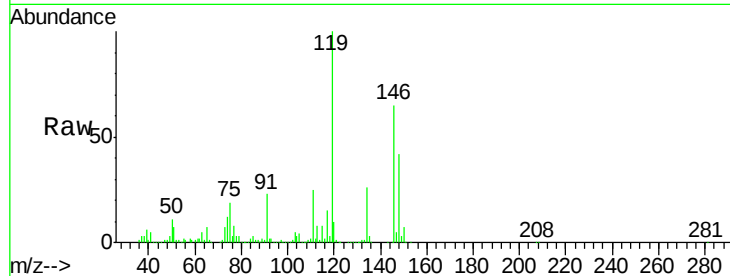
#87
 1,3-Dichlorobenzene
 Concen: 44.72 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN049841.D
 Acq: 17 Jul 2018 11:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	792615		
111	37.5	19.0	57.0	
148	64.2	32.5	97.5	

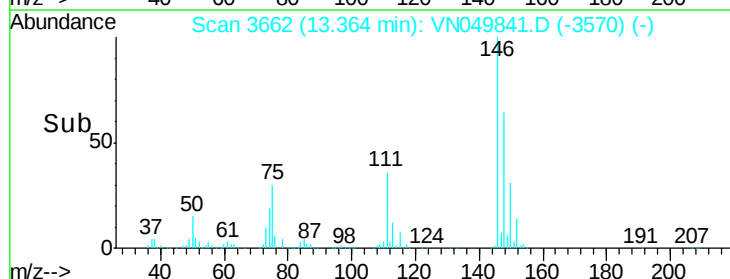
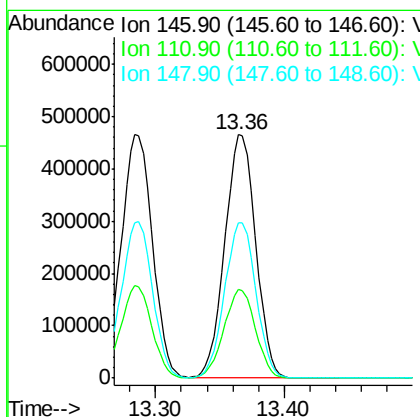
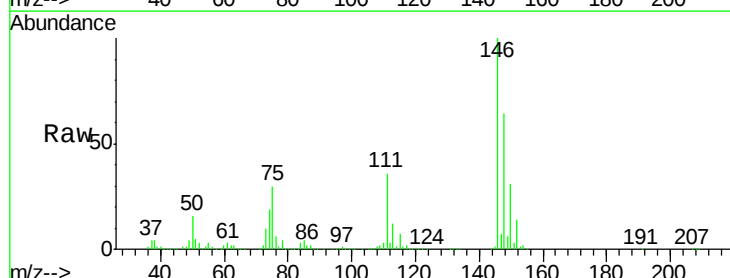
Manual Integrations
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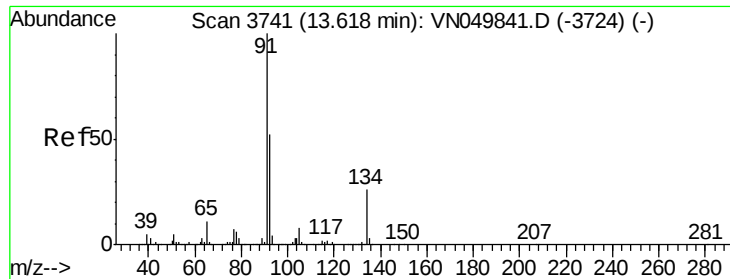
MMDadoda
 7/18/2018 11:59:10 AM



#88
 1,4-Dichlorobenzene
 Concen: 43.06 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049841.D
 Acq: 17 Jul 2018 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	775023		
111	37.1	18.9	56.5	
148	64.6	32.1	96.3	





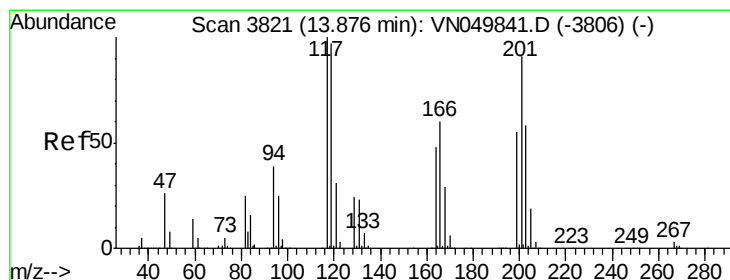
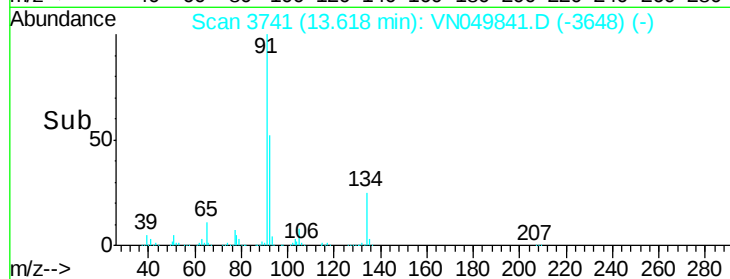
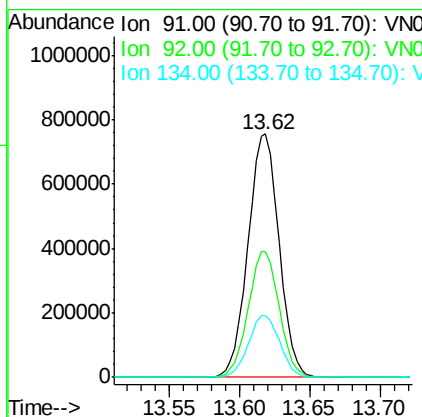
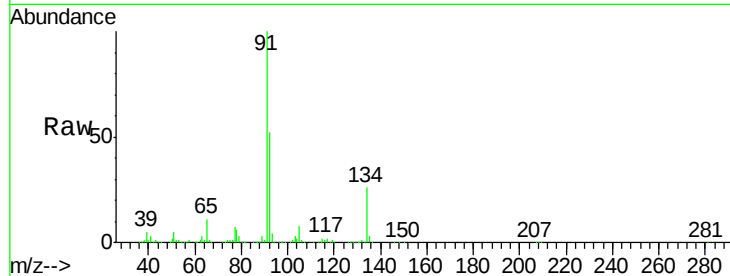
#89
n-Butylbenzene
Concen: 47.26 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
91	91	100		
92	92	51.8	25.8	77.3
134	134	25.7	13.0	38.9

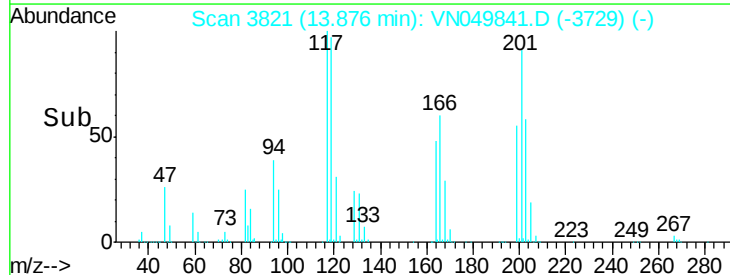
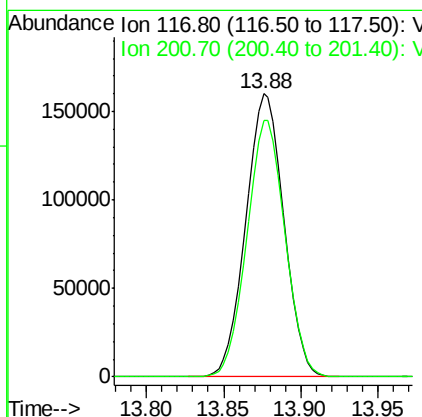
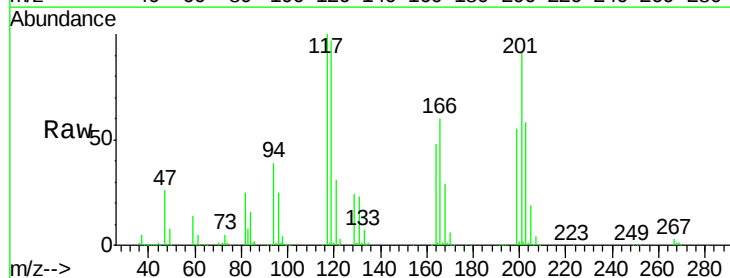
Manual Integrations
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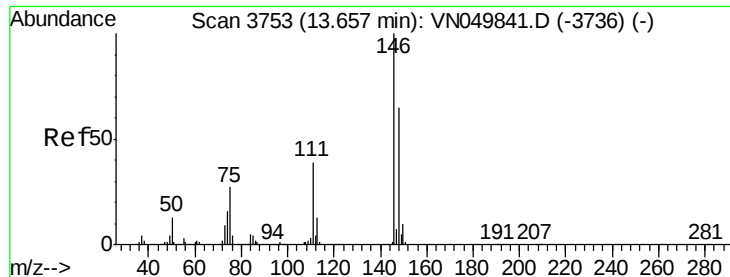
MMDadoda
7/18/2018 11:59:10 AM



#90
Hexachloroethane
Concen: 44.26 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN049841.D
Acq: 17 Jul 2018 11:55

Tgt Ion	Ion	Ratio	Lower	Upper
117	117	100		
201	201	90.7	45.3	135.8





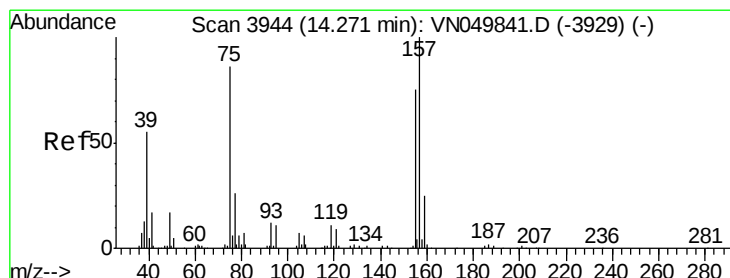
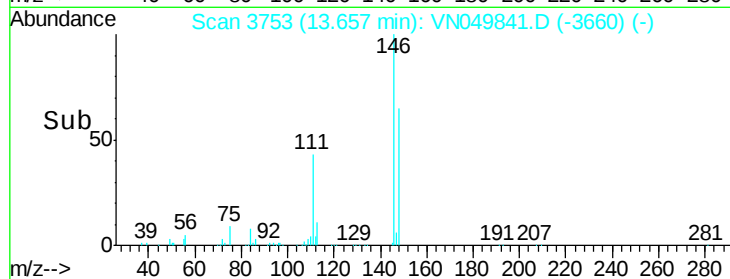
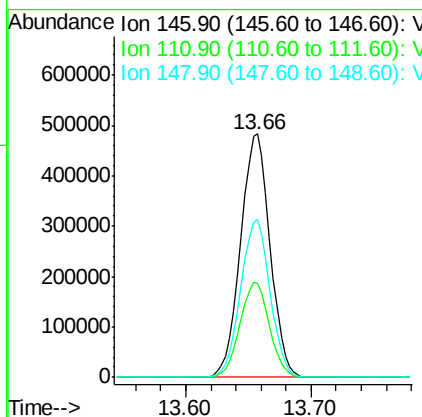
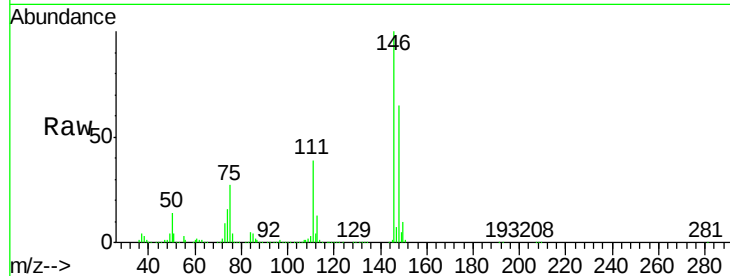
#91
 1,2-Dichlorobenzene
 Concen: 45.11 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VN049841.D
 Acq: 17 Jul 2018 11:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.1
148	64.7	32.0	96.2

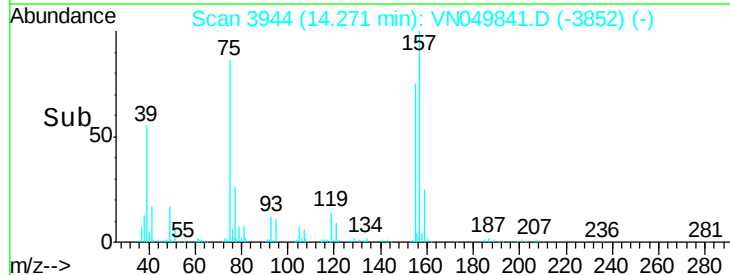
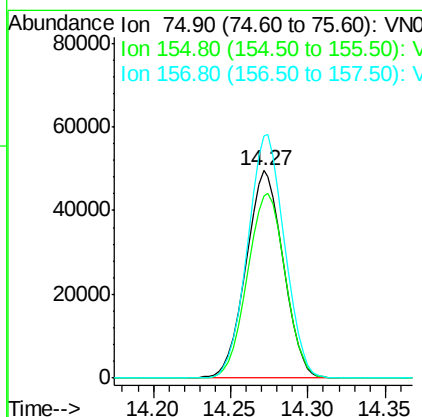
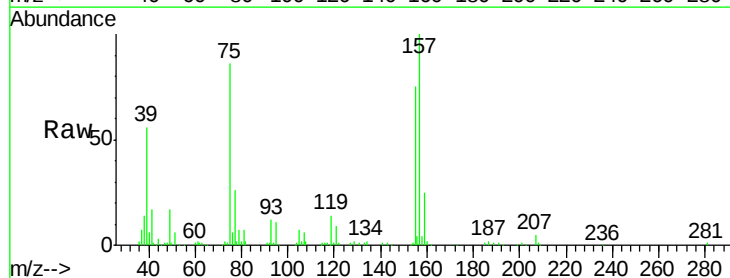
Manual Integrations
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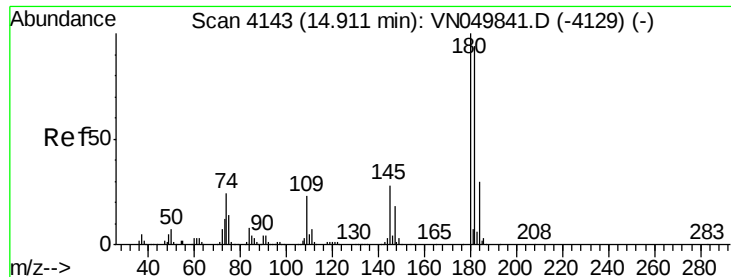
MMDadoda
 7/18/2018 11:59:10 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 39.68 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN049841.D
 Acq: 17 Jul 2018 11:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.0	45.7	137.1
157	116.3	56.9	170.7





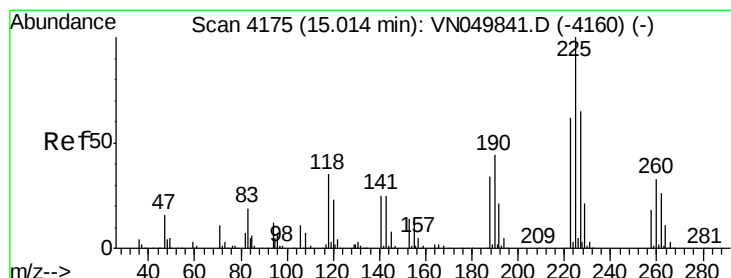
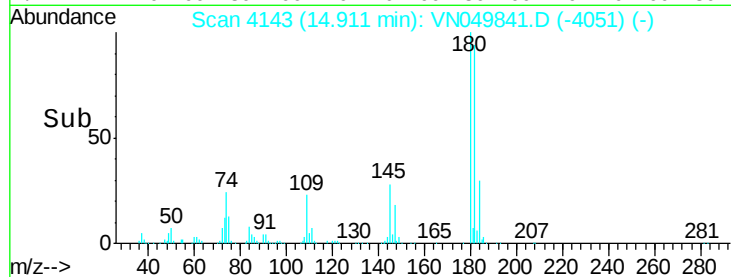
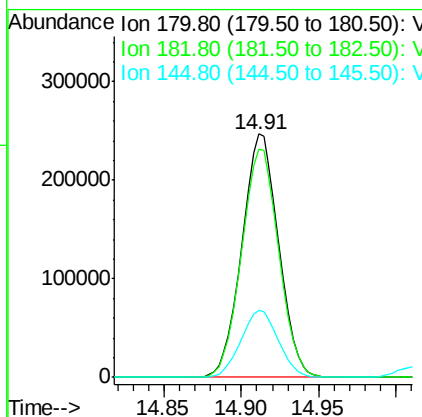
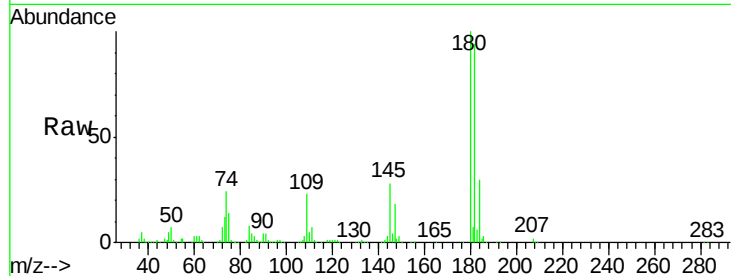
#93
 1,2,4-Trichlorobenzene
 Concen: 45.87 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049841.D
 Acq: 17 Jul 2018 11:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	407226		
182	95.1	47.3	141.9	
145	28.1	14.4	43.0	

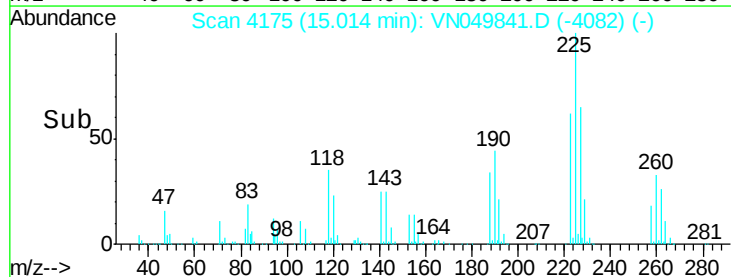
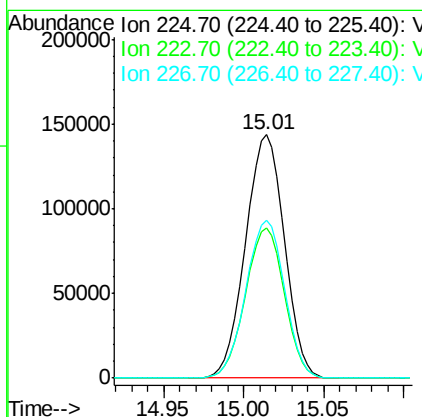
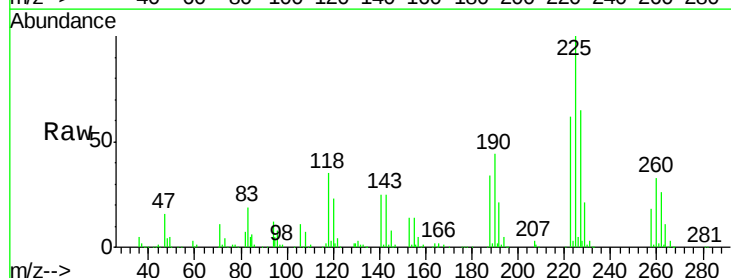
Manual Integrations
 APPROVED

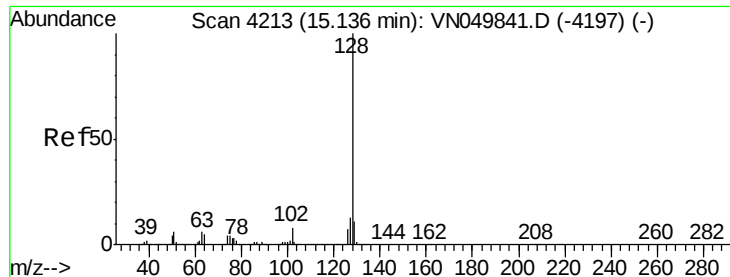
MMDadoda
 7/18/2018 11:59:10 AM



#94
 Hexachlorobutadiene
 Concen: 43.82 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. -0.00 min
 Lab File: VN049841.D
 Acq: 17 Jul 2018 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	238693		
223	61.7	30.9	92.7	
227	64.6	31.8	95.4	





#95

Naphthalene

Concen: 45.23 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. -0.00 min

Lab File: VN049841.D

Acq: 17 Jul 2018 11:55

Instrument :

MSVOA_N

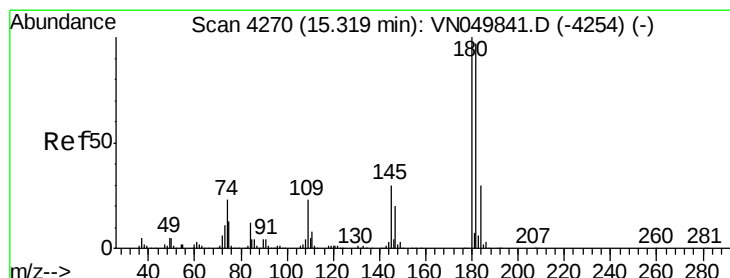
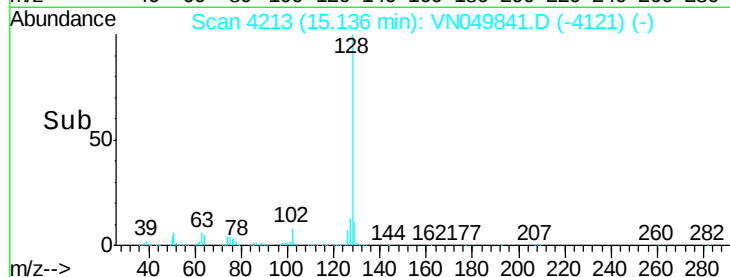
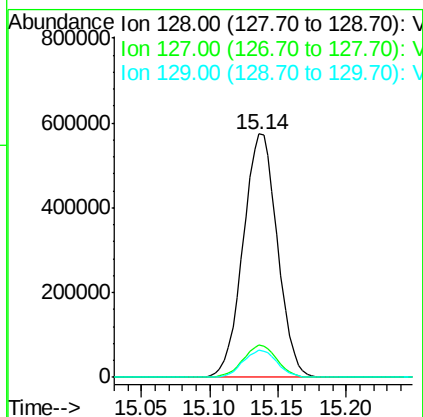
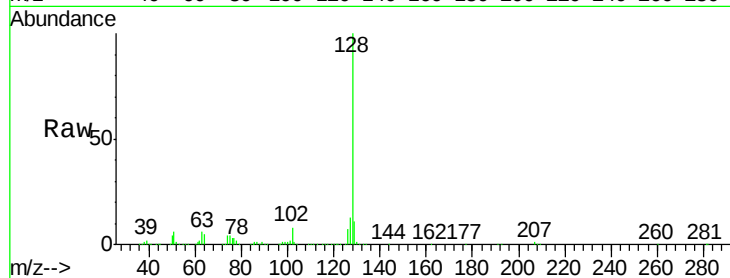
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	999980
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	11.1	8.6	13.0

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 44.13 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. -0.00 min

Lab File: VN049841.D

Acq: 17 Jul 2018 11:55

Tgt Ion:	180	Resp:	412280
Ion Ratio	Lower	Upper	
180	100		
182	96.8	47.4	142.2
145	30.6	15.2	45.6

