

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091721\
 Data File : VN068544.D
 Acq On : 18 Sep 2021 2:41
 Operator : JC/MD
 Sample : M3770-01
 Misc : 6.49g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 NAPL-05-(29-31)

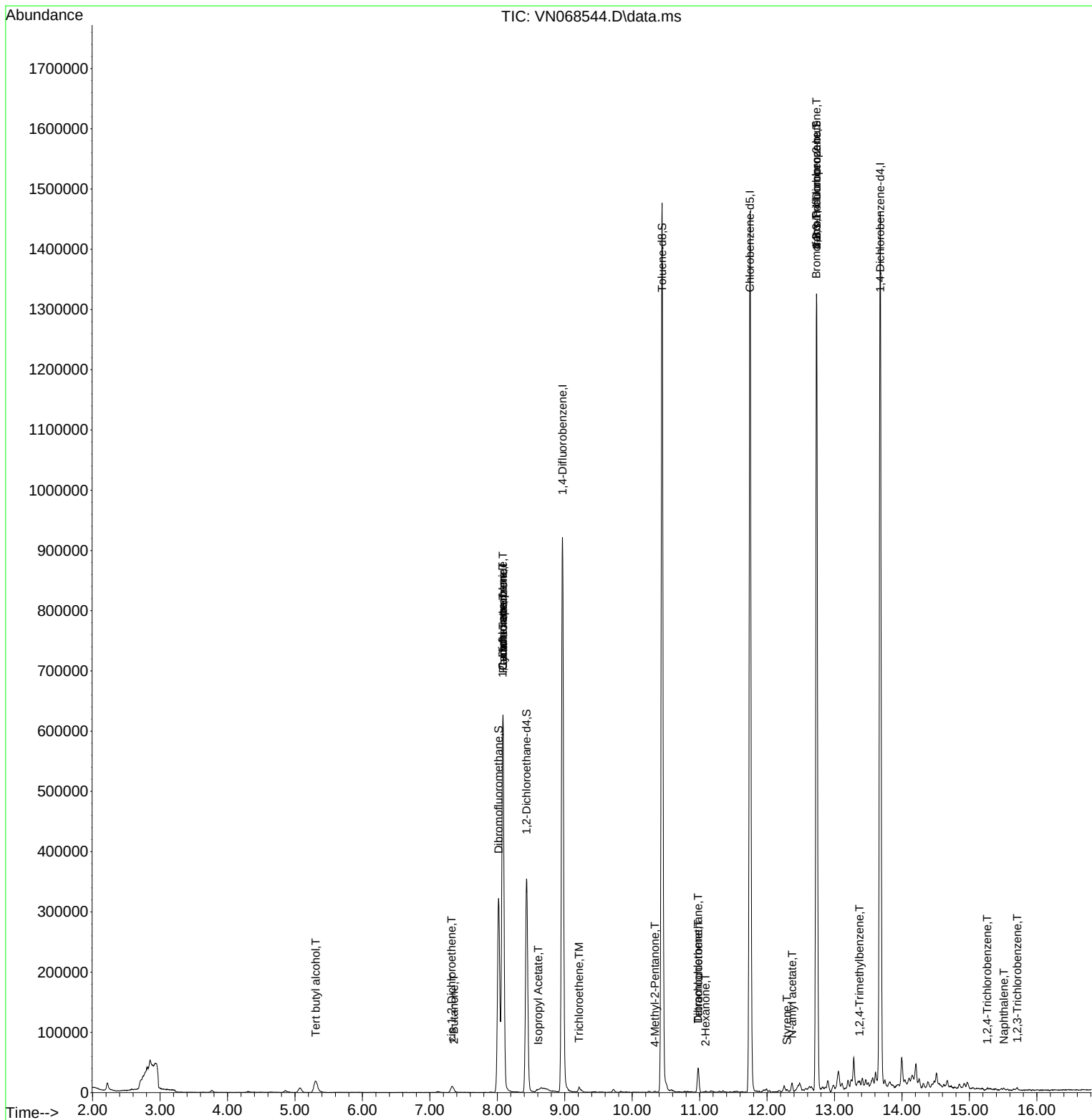
Quant Time: Sep 20 06:00:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 17 11:02:11 2021
 Response via : Initial Calibration

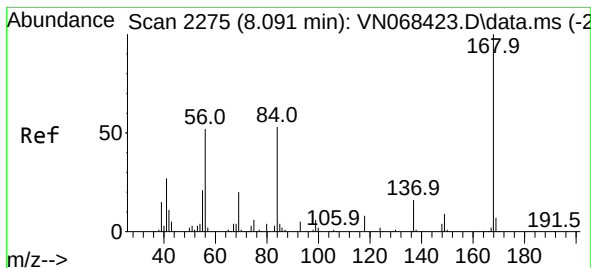
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.086	168	569197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	903853	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	924889	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	440917	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	304395	58.299	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 116.600%			
35) Dibromofluoromethane	8.018	113	232795	42.704	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 85.400%			
50) Toluene-d8	10.443	98	1090846	48.876	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 97.760%			
62) 4-Bromofluorobenzene	12.733	95	398361	53.715	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 107.440%			
Target Compounds					Qvalue	
3) Chloromethane	2.290	50	471	Below Cal	#	42
5) Bromomethane	2.842	94	72	Below Cal	#	3
11) Tert butyl alcohol	5.307	59	18524	13.368	ug/l #	84
16) Acetone	4.304	43	1302	Below Cal	#	28
18) Methyl Acetate	4.856	43	4814	Below Cal	#	85
20) Methylene Chloride	5.068	84	1001	Below Cal	#	32
25) 2-Butanone	7.356	43	3351	1.321	ug/l #	87
27) cis-1,2-Dichloroethene	7.324	96	4245	0.708	ug/l	91
31) Cyclohexane	8.083	56	8705	1.100	ug/l #	43
36) 1,1-Dichloropropene	8.080	75	31038	4.119	ug/l #	47
38) Carbon Tetrachloride	8.083	117	47138	5.222	ug/l #	15
43) Isopropyl Acetate	8.608	43	3970	0.393	ug/l #	51
44) Trichloroethene	9.212	130	3372	0.477	ug/l	83
51) 4-Methyl-2-Pentanone	10.338	43	1328	0.230	ug/l #	33
59) 2-Hexanone	11.087	43	1303	0.337	ug/l	75
60) Dibromochloromethane	10.977	129	9090	2.892	ug/l #	11
64) Tetrachloroethene	10.977	164	10088	1.231	ug/l	95
70) Styrene	12.296	104	516	1.777	ug/l #	55
71) Bromoform	12.731	173	1407	2.716	ug/l #	1
74) N-amyl acetate	12.371	43	2861	0.409	ug/l #	50
76) 1,2,3-Trichloropropane	12.733	75	201134	32.794	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	201134	101.097	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.372	105	5983	0.245	ug/l	99
93) 1,2,4-Trichlorobenzene	15.265	180	980	3.071	ug/l	94
95) Naphthalene	15.512	128	3820	3.700	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.708	180	1061	3.103	ug/l	82

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.005 min

Lab File: VN068544.D

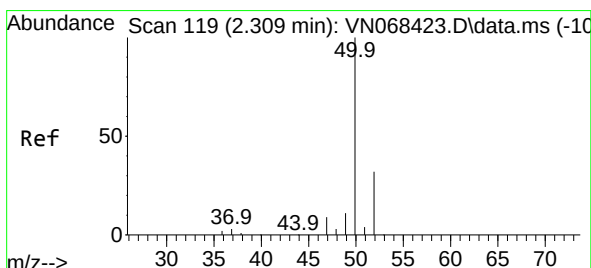
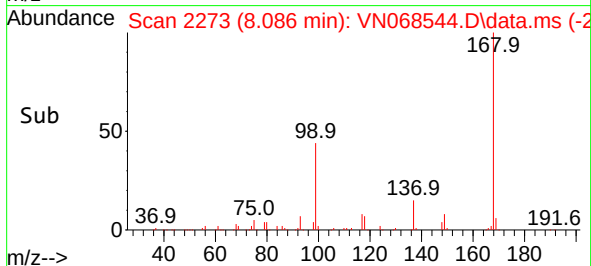
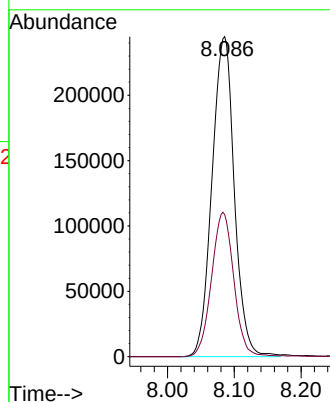
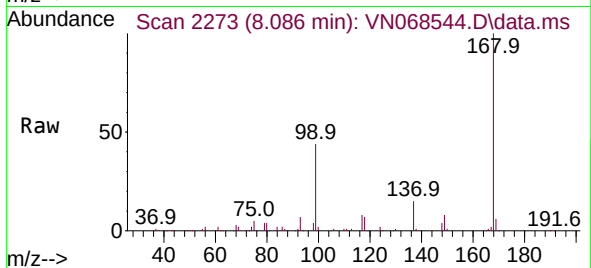
Acq: 18 Sep 2021 2:41

Tgt Ion:168 Resp: 569197

Ion Ratio Lower Upper

168 100

99 44.4 38.2 57.4



#3

Chloromethane

Concen: Below Cal

RT: 2.290 min Scan# 112

Delta R.T. -0.019 min

Lab File: VN068544.D

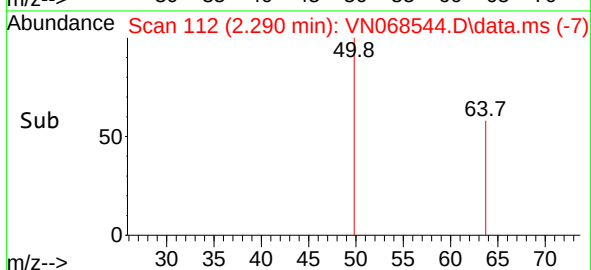
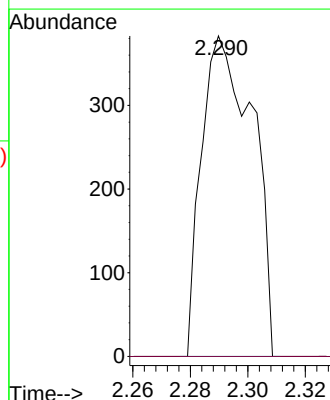
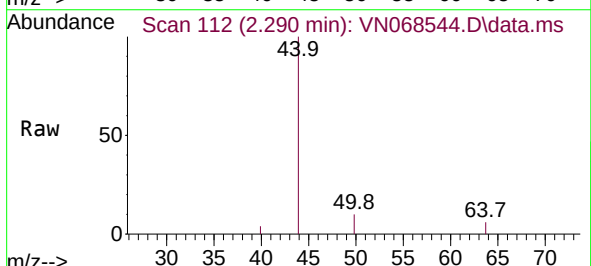
Acq: 18 Sep 2021 2:41

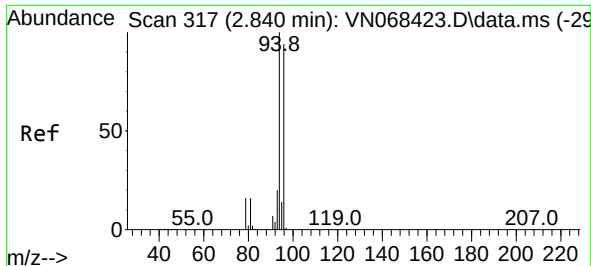
Tgt Ion: 50 Resp: 471

Ion Ratio Lower Upper

50 100

52 0.0 25.8 38.6#

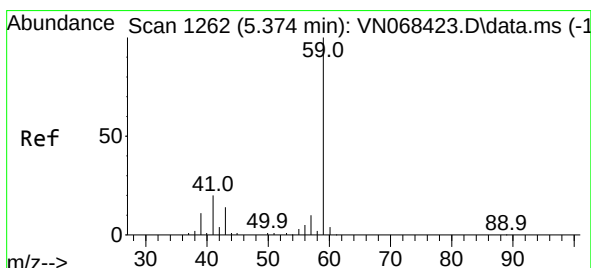
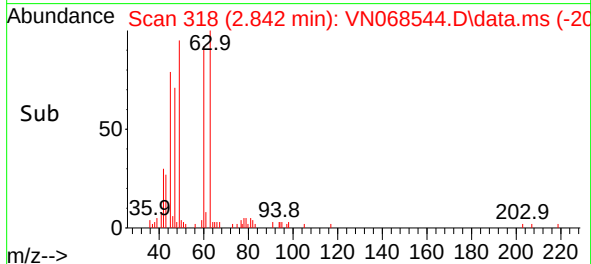
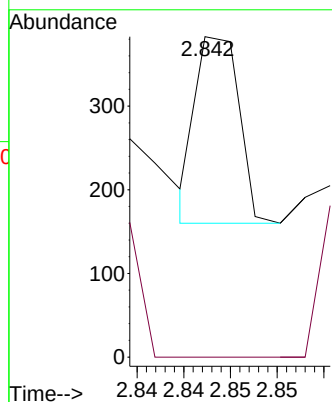
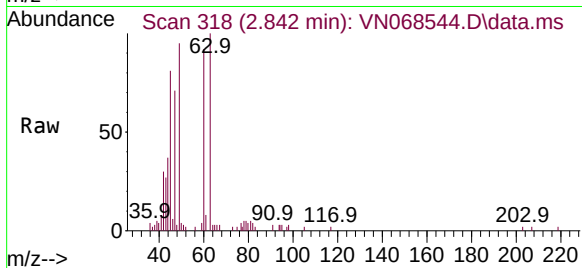




#5
Bromomethane
Concen: Below Cal
RT: 2.842 min Scan# 318
Delta R.T. 0.002 min
Lab File: VN068544.D
Acq: 18 Sep 2021 2:41

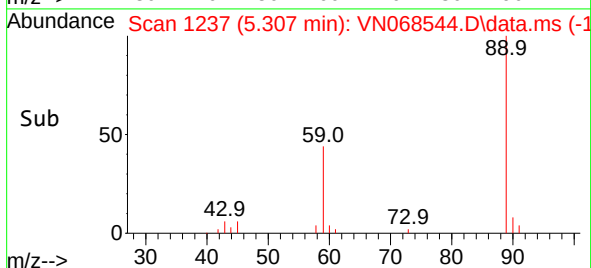
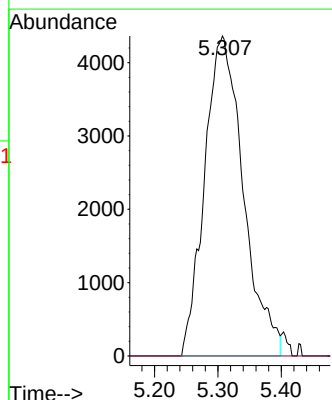
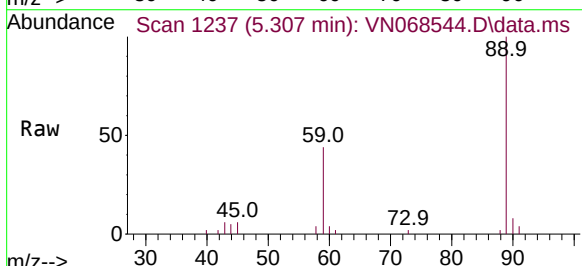
Instrument :
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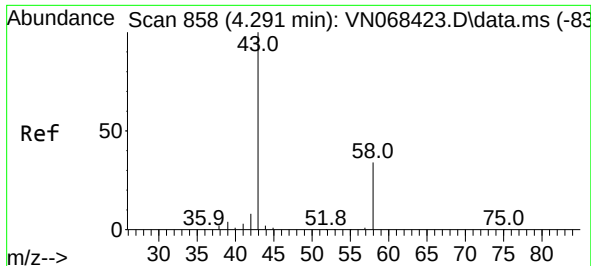
Tgt Ion: 94 Resp: 72
Ion Ratio Lower Upper
94 100
96 0.0 75.4 113.0#



#11
Tert butyl alcohol
Concen: 13.368 ug/l
RT: 5.307 min Scan# 1237
Delta R.T. -0.067 min
Lab File: VN068544.D
Acq: 18 Sep 2021 2:41

Tgt Ion: 59 Resp: 18524
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#

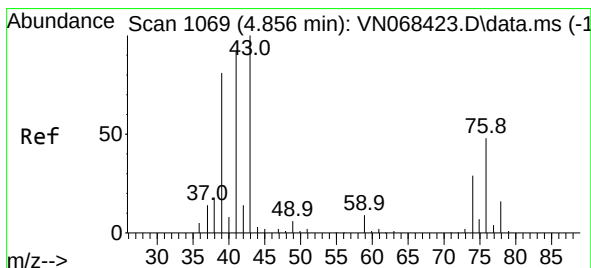
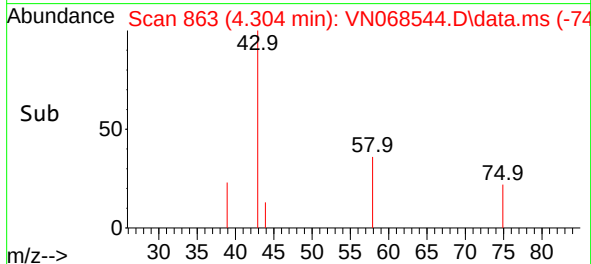
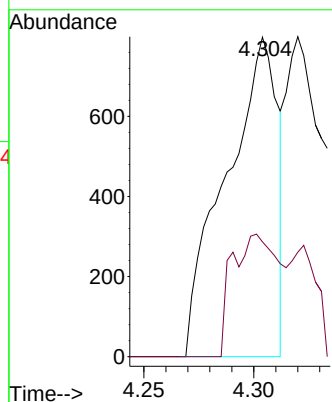
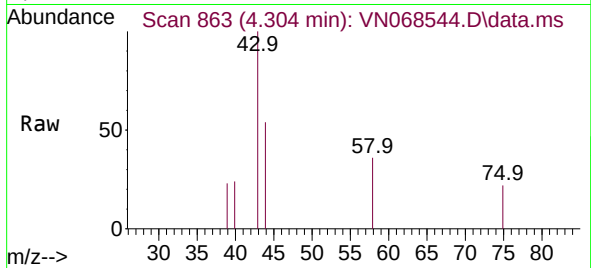




#16
Acetone
Concen: Below Cal
RT: 4.304 min Scan# 863
Delta R.T. 0.013 min
Lab File: VN068544.D
Acq: 18 Sep 2021 2:41

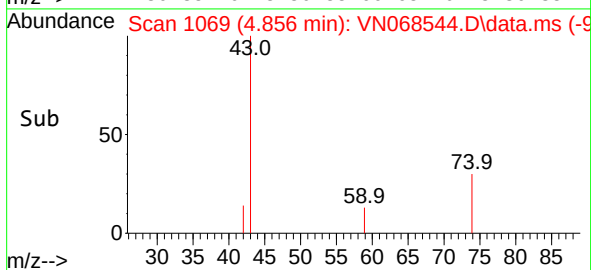
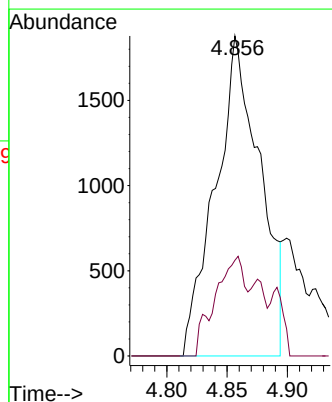
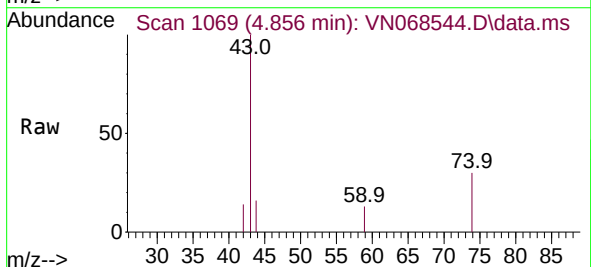
Instrument :
MSVOA_N
ClientSampleId :
NAPL-05-(29-31)

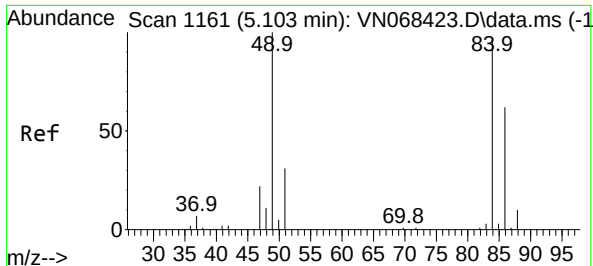
Tgt Ion: 43 Resp: 1302
Ion Ratio Lower Upper
43 100
58 74.9 27.0 40.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.856 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VN068544.D
Acq: 18 Sep 2021 2:41

Tgt Ion: 43 Resp: 4814
Ion Ratio Lower Upper
43 100
74 21.1 23.5 35.3#

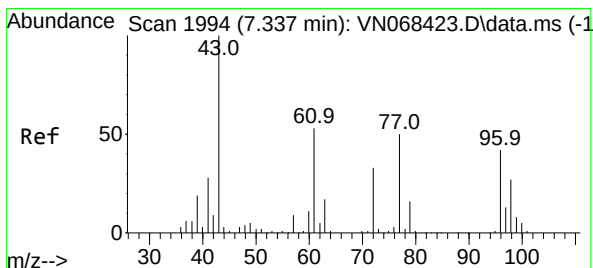
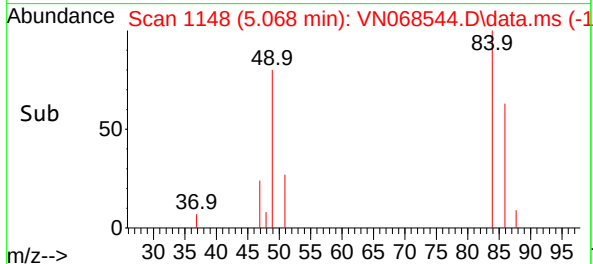
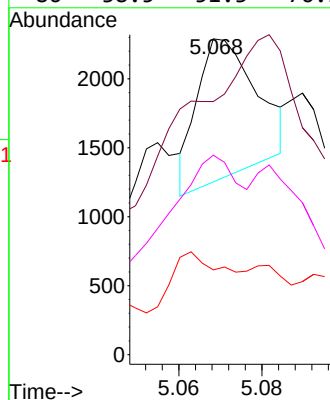
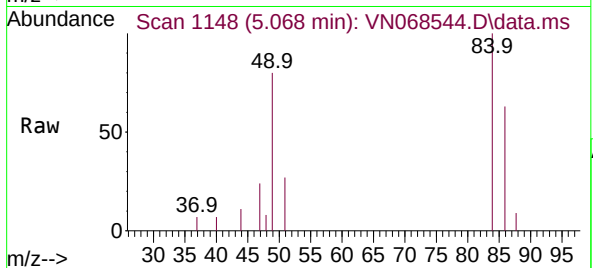




#20
Methylene Chloride
Concen: Below Cal
RT: 5.068 min Scan# 1148
Delta R.T. -0.035 min
Lab File: VN068544.D
Acq: 18 Sep 2021 2:41

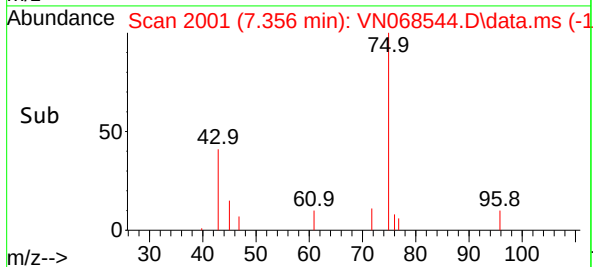
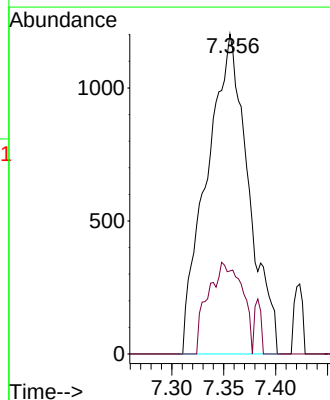
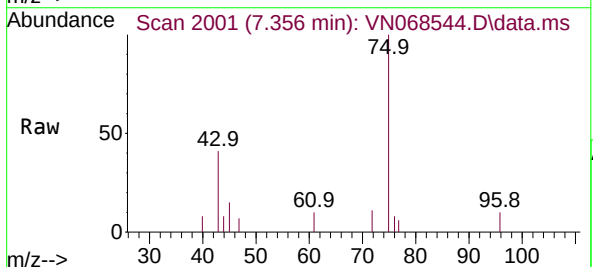
Instrument :
MSVOA_N
ClientSampleId :
NAPL-05-(29-31)

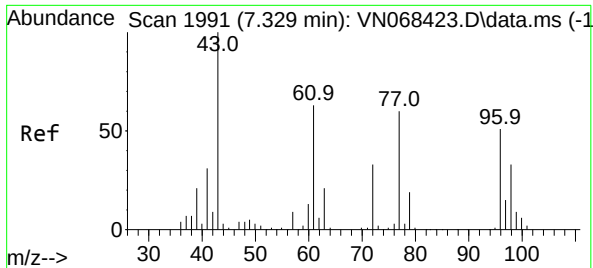
Tgt Ion: 84 Resp: 1001
Ion Ratio Lower Upper
84 100
49 6.5 83.0 124.6#
51 5.3 25.4 38.0#
86 38.5 51.3 76.9#



#25
2-Butanone
Concen: 1.321 ug/l
RT: 7.356 min Scan# 2001
Delta R.T. 0.019 min
Lab File: VN068544.D
Acq: 18 Sep 2021 2:41

Tgt Ion: 43 Resp: 3351
Ion Ratio Lower Upper
43 100
72 25.9 26.7 40.1#

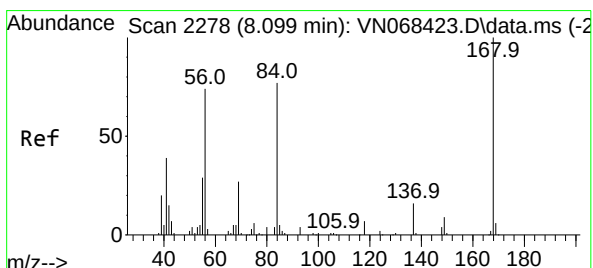
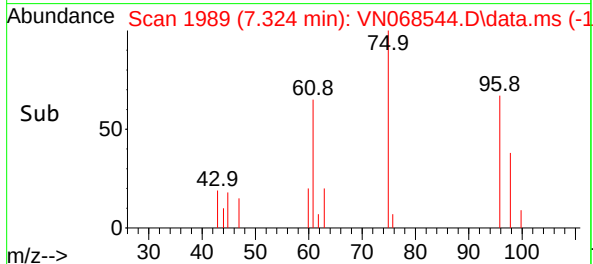
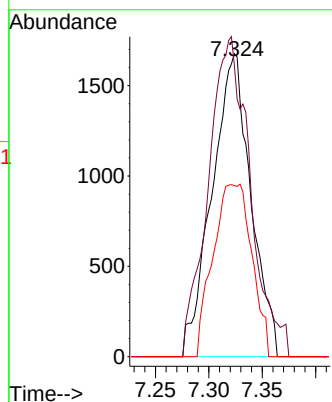
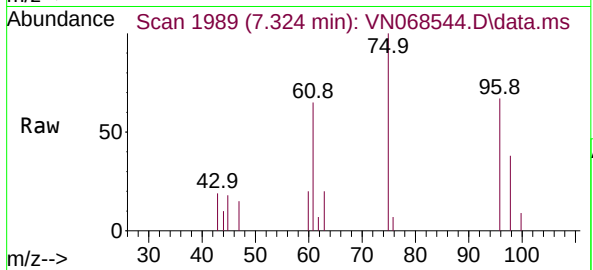




#27
 cis-1,2-Dichloroethene
 Concen: 0.708 ug/l
 RT: 7.324 min Scan# 1989
 Delta R.T. -0.005 min
 Lab File: VN068544.D
 Acq: 18 Sep 2021 2:41

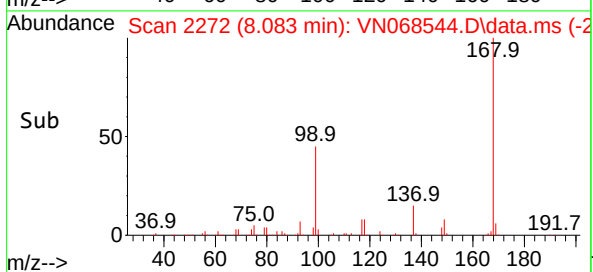
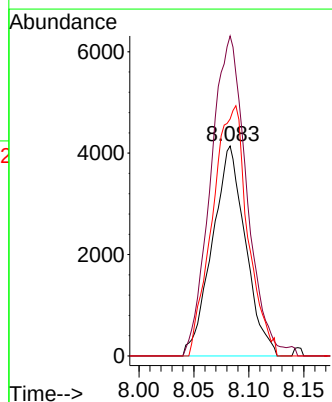
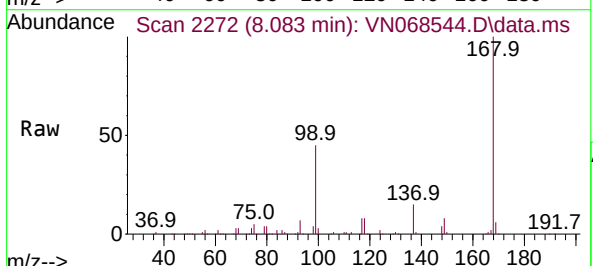
Instrument :
 MSVOA_N
 ClientSampleId :
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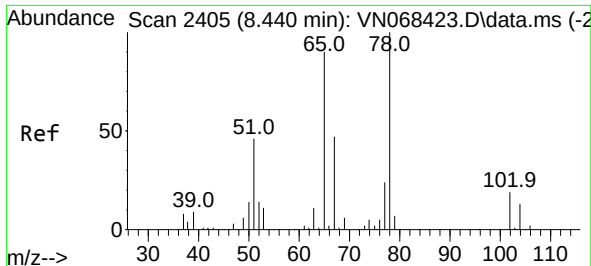
Tgt Ion:	96	Resp:	4245
Ion	Ratio	Lower	Upper
96	100		
61	113.7	0.0	246.4
98	56.7	0.0	130.4



#31
 Cyclohexane
 Concen: 1.100 ug/l
 RT: 8.083 min Scan# 2272
 Delta R.T. -0.016 min
 Lab File: VN068544.D
 Acq: 18 Sep 2021 2:41

Tgt Ion:	56	Resp:	8705
Ion	Ratio	Lower	Upper
56	100		
69	152.4	29.4	44.0#
84	112.9	83.6	125.4



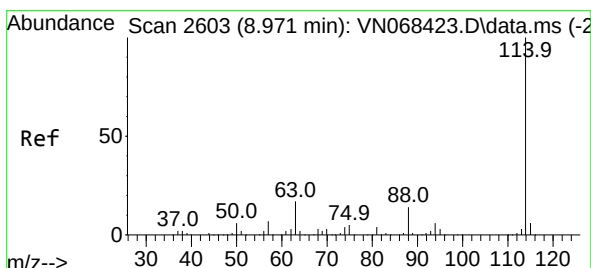
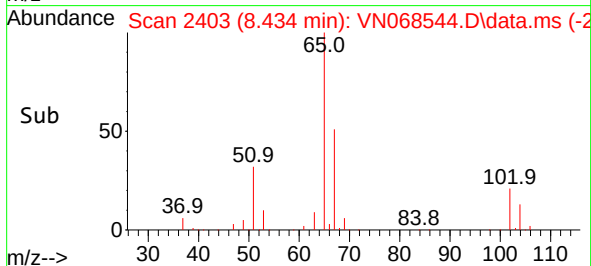
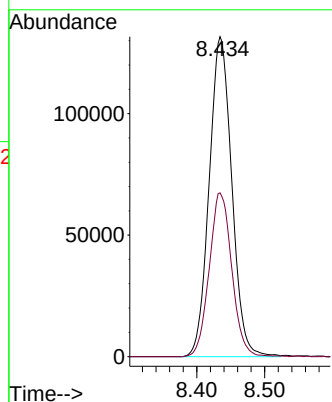
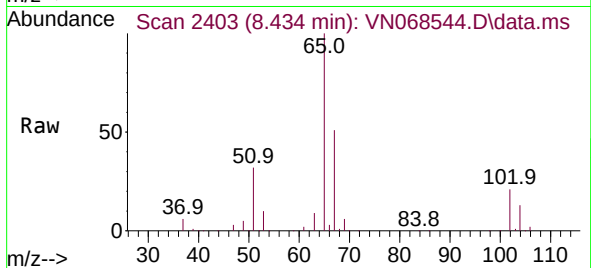


#33

1,2-Dichloroethane-d4
Concen: 58.299 ug/l
RT: 8.434 min Scan# 2403
Delta R.T. -0.006 min
Lab File: VN068544.D
Acq: 18 Sep 2021 2:41

Instrument :
MSVOA_N
ClientSampleId :
NAPL-05-(29-31)

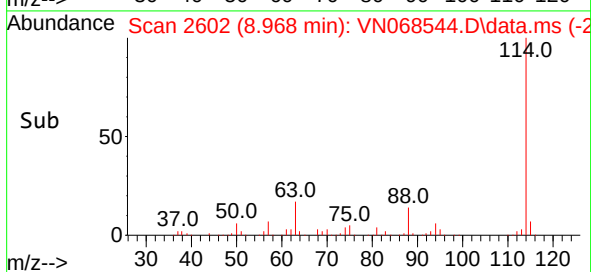
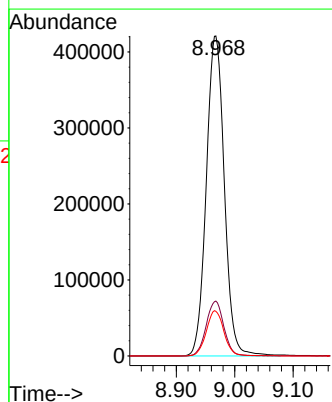
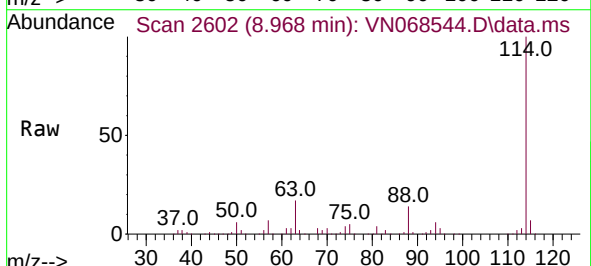
Tgt Ion: 65 Resp: 304395
Ion Ratio Lower Upper
65 100
67 51.0 0.0 104.0

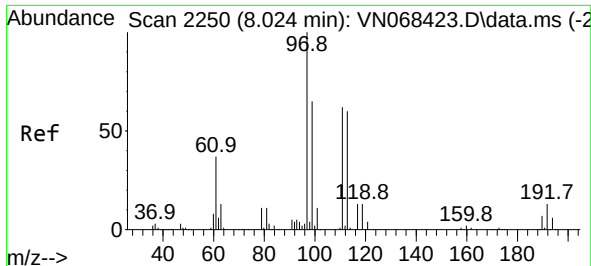


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.003 min
Lab File: VN068544.D
Acq: 18 Sep 2021 2:41

Tgt Ion: 114 Resp: 903853
Ion Ratio Lower Upper
114 100
63 17.1 0.0 33.2
88 14.0 0.0 28.4

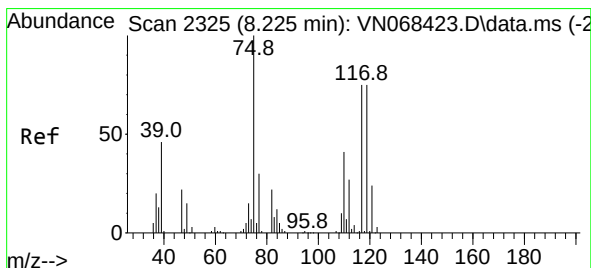
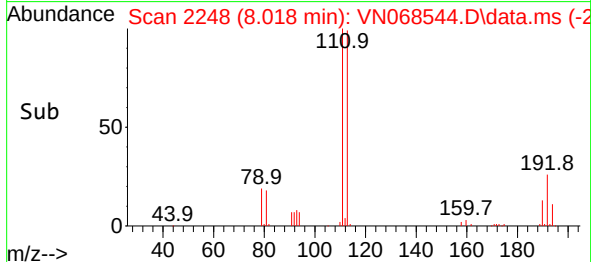
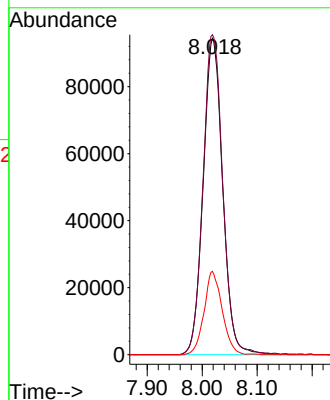
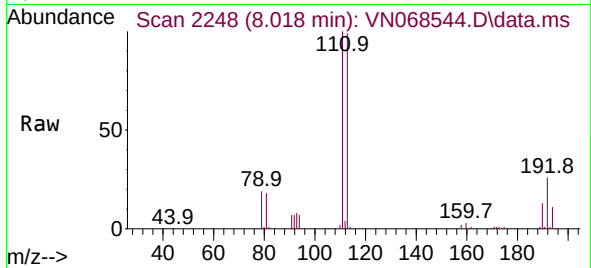




#35
Dibromofluoromethane
Concen: 42.704 ug/l
RT: 8.018 min Scan# 2248
Delta R.T. -0.006 min
Lab File: VN068544.D
Acq: 18 Sep 2021 2:41

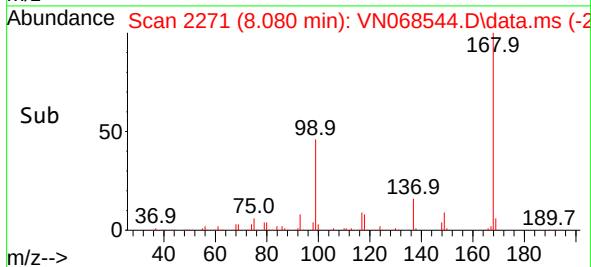
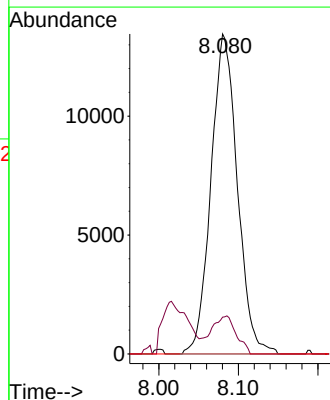
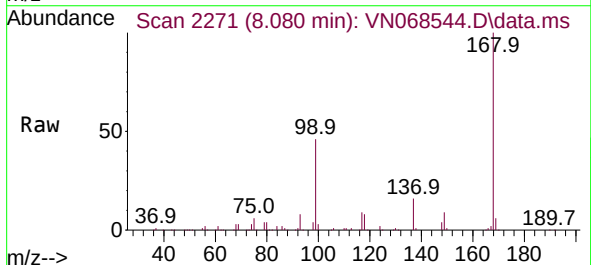
Instrument :
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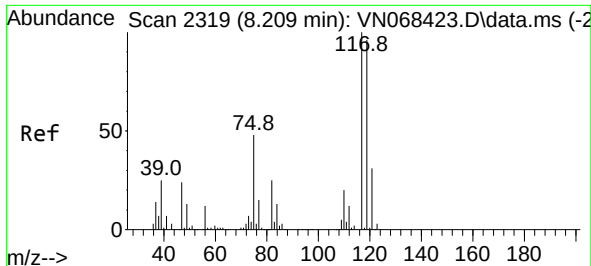
Tgt Ion:113 Resp: 232795
Ion Ratio Lower Upper
113 100
111 102.2 81.1 121.7
192 24.4 17.7 26.5



#36
1,1-Dichloropropene
Concen: 4.119 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.145 min
Lab File: VN068544.D
Acq: 18 Sep 2021 2:41

Tgt Ion: 75 Resp: 31038
Ion Ratio Lower Upper
75 100
110 10.6 20.8 62.5#
77 0.0 25.0 37.6#

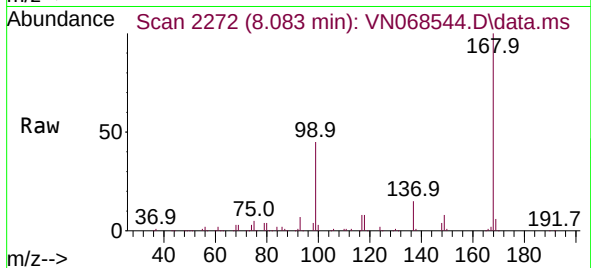




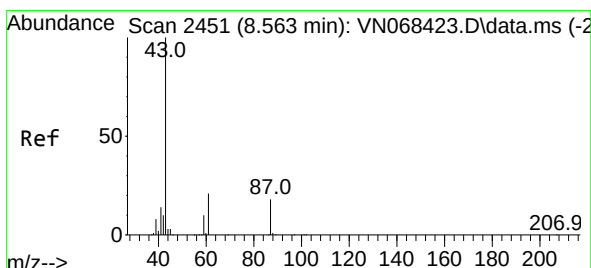
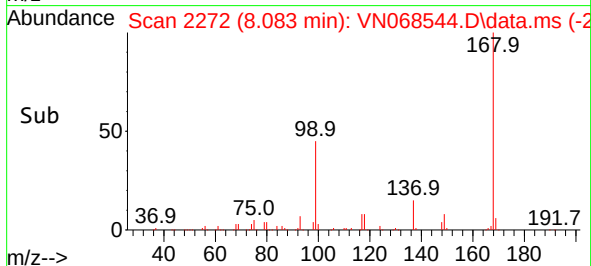
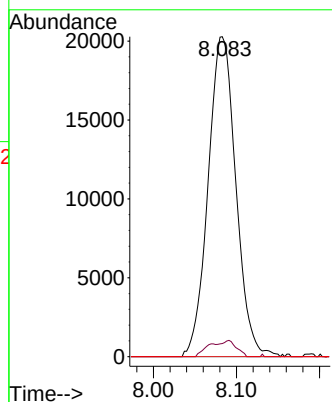
#38

Carbon Tetrachloride
Concen: 5.222 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.126 min
Lab File: VN068544.D
Acq: 18 Sep 2021 2:41

Instrument :
MSVOA_N
ClientSampleId :
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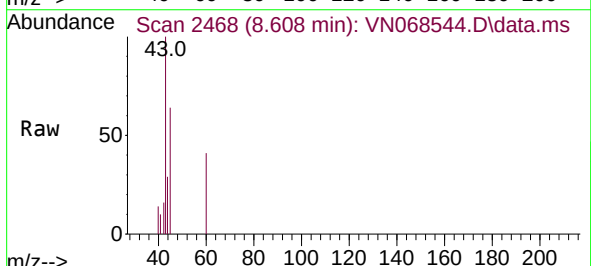


Tgt Ion: 117 Resp: 47138
Ion Ratio Lower Upper
117 100
119 4.1 76.6 114.8#
121 0.0 24.5 36.7#

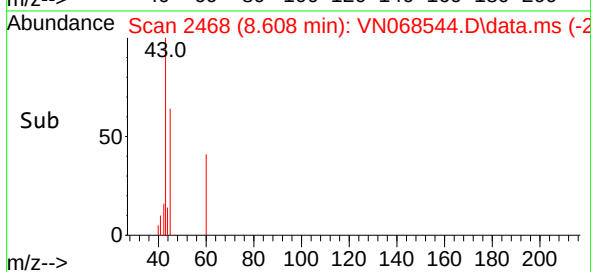
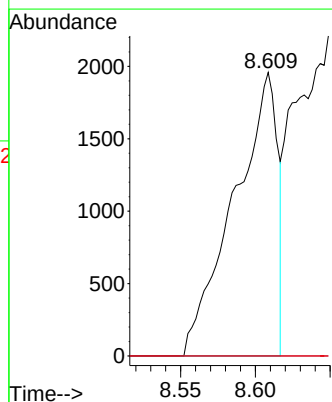


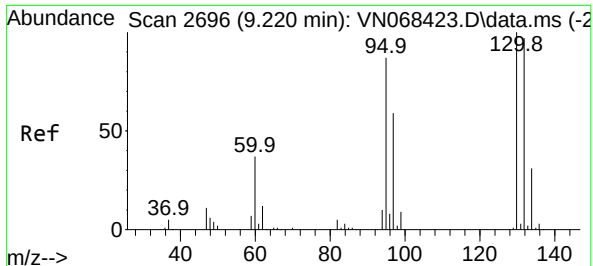
#43

Isopropyl Acetate
Concen: 0.393 ug/l
RT: 8.608 min Scan# 2468
Delta R.T. 0.045 min
Lab File: VN068544.D
Acq: 18 Sep 2021 2:41



Tgt Ion: 43 Resp: 3970
Ion Ratio Lower Upper
43 100
61 0.0 23.3 34.9#
87 0.0 13.8 20.6#

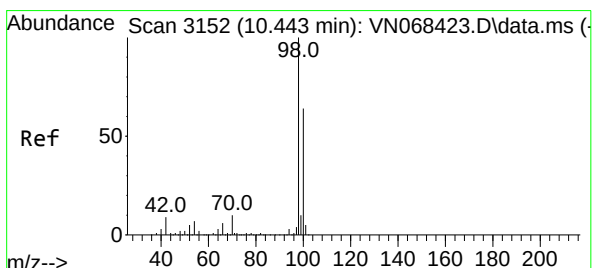
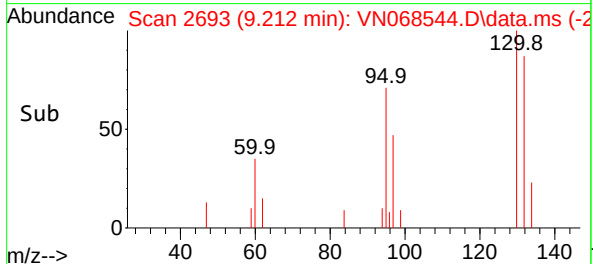
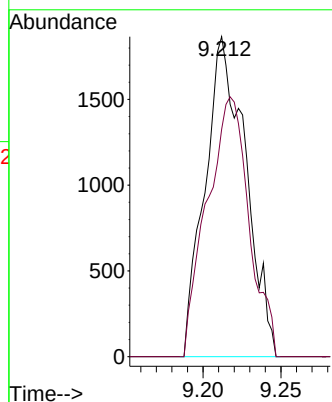
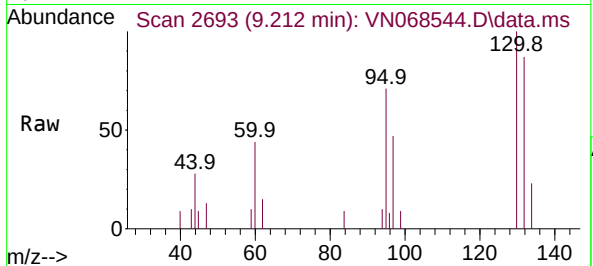




#44
Trichloroethene
Concen: 0.477 ug/l
RT: 9.212 min Scan# 2693
Delta R.T. -0.008 min
Lab File: VN068544.D
Acq: 18 Sep 2021 2:41

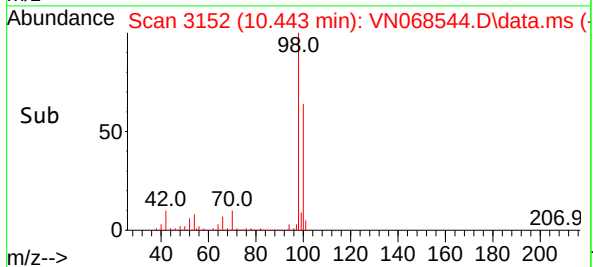
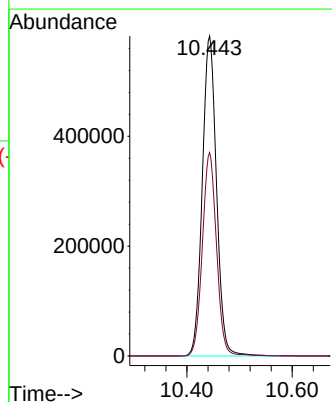
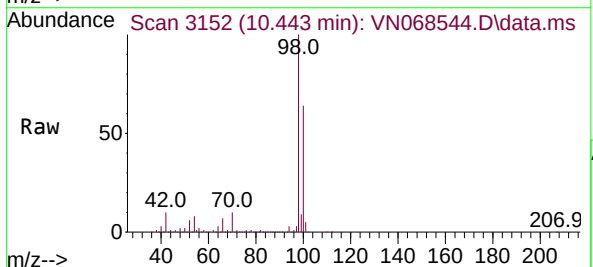
Instrument :
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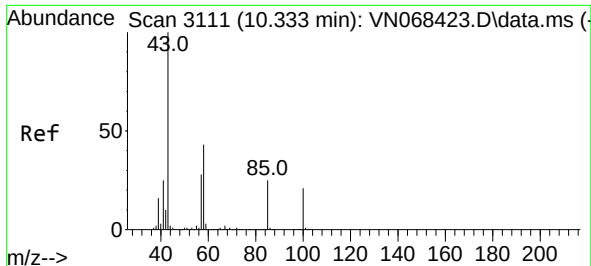
Tgt Ion:130 Resp: 3372
Ion Ratio Lower Upper
130 100
95 71.1 0.0 173.8



#50
Toluene-d8
Concen: 48.876 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN068544.D
Acq: 18 Sep 2021 2:41

Tgt Ion: 98 Resp: 1090846
Ion Ratio Lower Upper
98 100
100 63.5 51.0 76.6

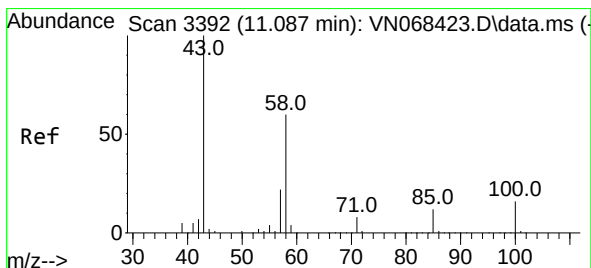
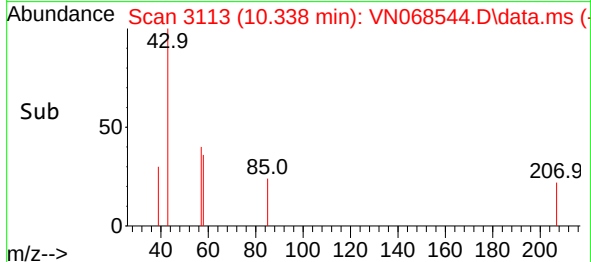
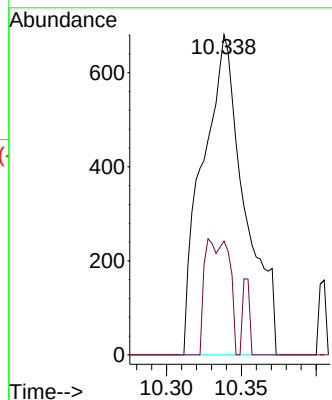
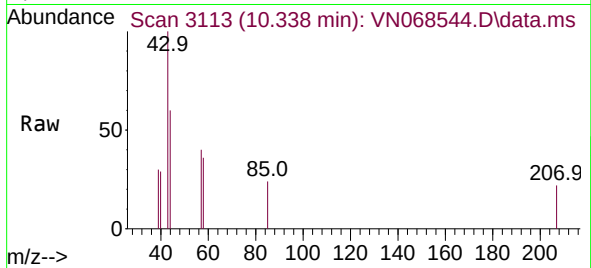




#51
4-Methyl-2-Pentanone
Concen: 0.230 ug/l
RT: 10.338 min Scan# 3113
Delta R.T. 0.005 min
Lab File: VN068544.D
Acq: 18 Sep 2021 2:41

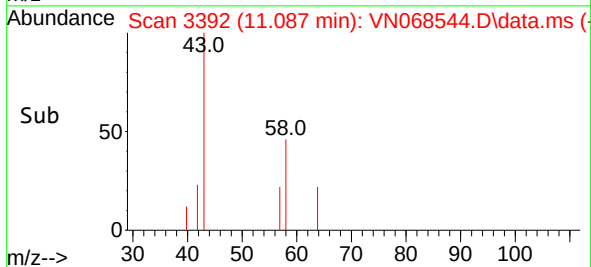
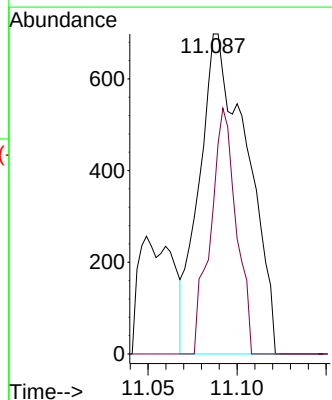
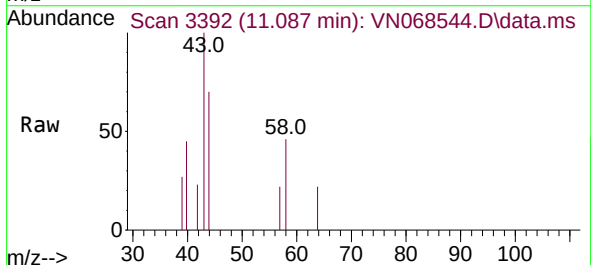
Instrument :
MSVOA_N
ClientSampleId :
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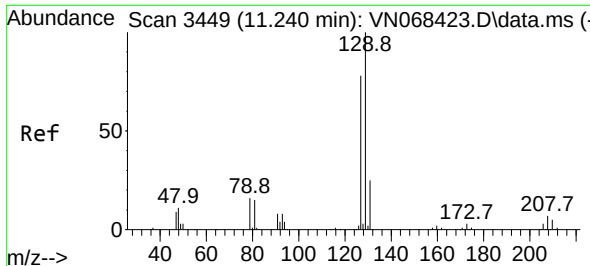
Tgt Ion: 43 Resp: 1328
Ion Ratio Lower Upper
43 100
58 0.0 34.3 51.5#



#59
2-Hexanone
Concen: 0.337 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.000 min
Lab File: VN068544.D
Acq: 18 Sep 2021 2:41

Tgt Ion: 43 Resp: 1303
Ion Ratio Lower Upper
43 100
58 41.3 30.0 90.1

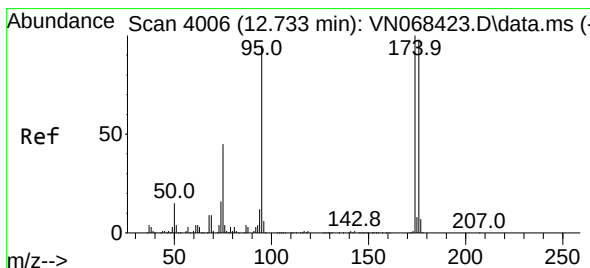
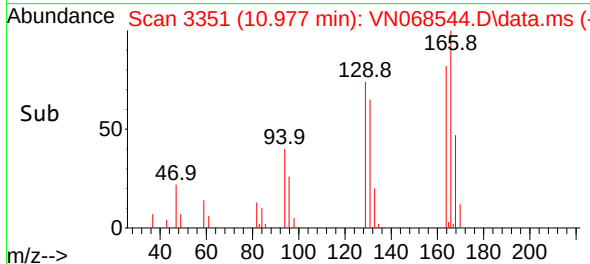
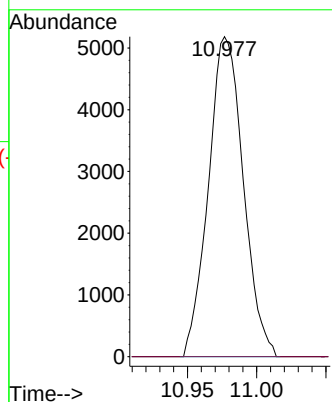
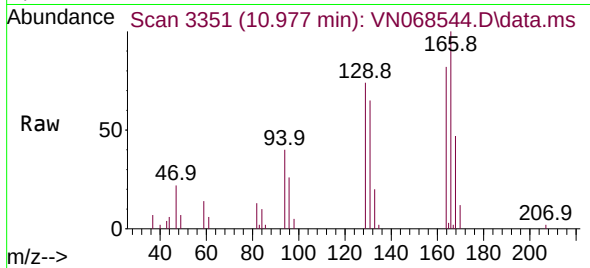




#60
Dibromochloromethane
Concen: 2.892 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.263 min
Lab File: VN068544.D
Acq: 18 Sep 2021 2:41

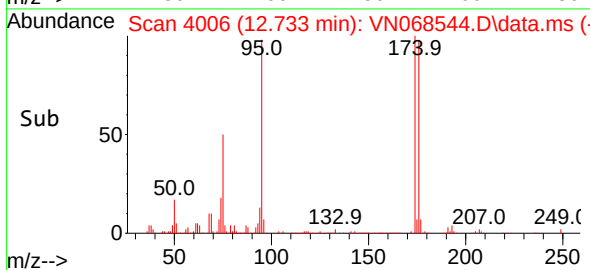
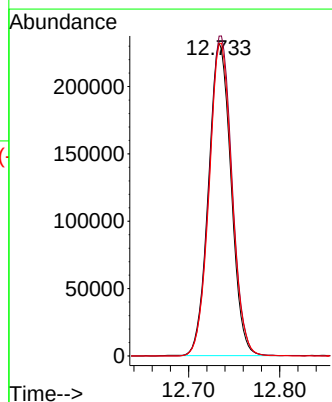
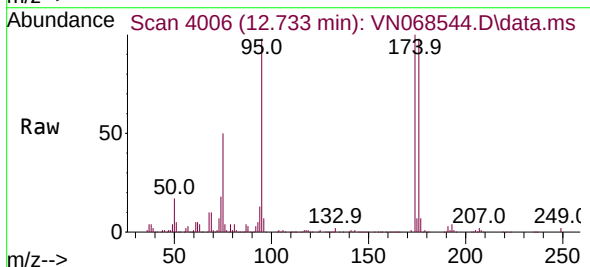
Instrument :
MSVOA_N
ClientSampleId :
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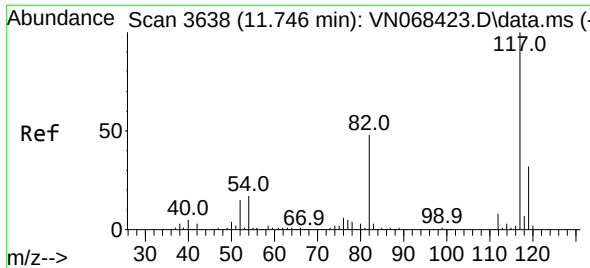
Tgt Ion:129 Resp: 9090
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



#62
4-Bromofluorobenzene
Concen: 53.715 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068544.D
Acq: 18 Sep 2021 2:41

Tgt Ion: 95 Resp: 398361
Ion Ratio Lower Upper
95 100
174 104.4 0.0 214.0
176 100.9 0.0 205.4

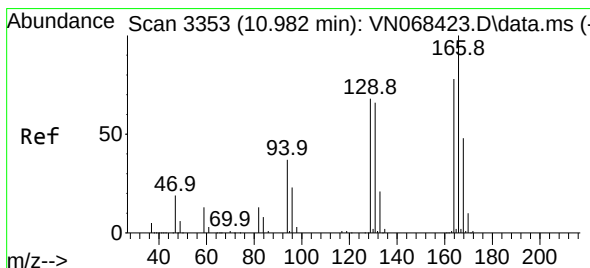
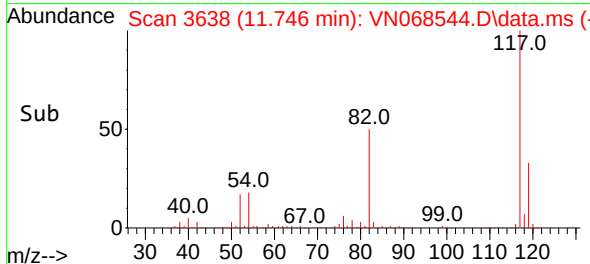
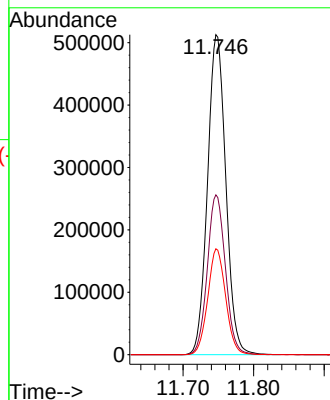
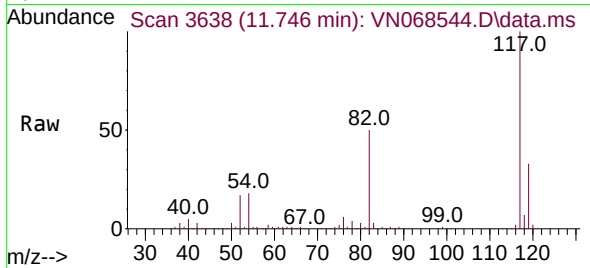




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068544.D
Acq: 18 Sep 2021 2:41

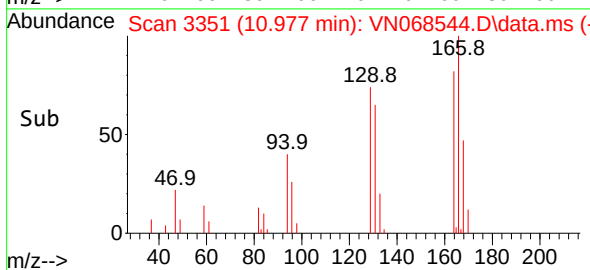
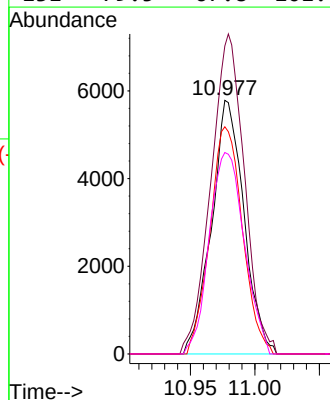
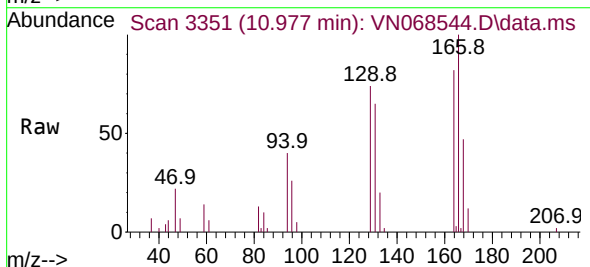
Instrument :
MSVOA_N
ClientSampleId :
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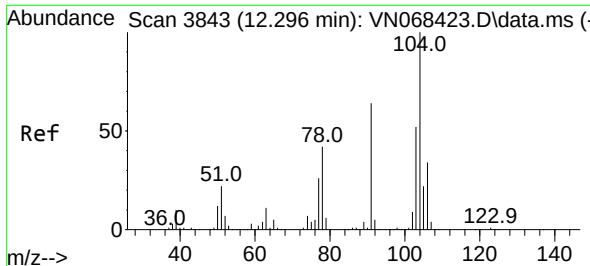
Tgt Ion:117 Resp: 924889
Ion Ratio Lower Upper
117 100
82 49.9 38.7 58.1
119 33.1 25.5 38.3



#64
Tetrachloroethene
Concen: 1.231 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.005 min
Lab File: VN068544.D
Acq: 18 Sep 2021 2:41

Tgt Ion:164 Resp: 10088
Ion Ratio Lower Upper
164 100
166 121.5 102.9 154.3
129 89.6 70.1 105.1
131 79.5 67.8 101.6

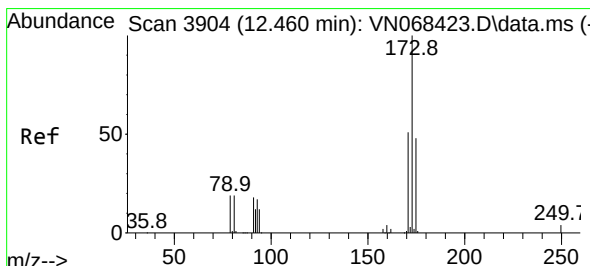
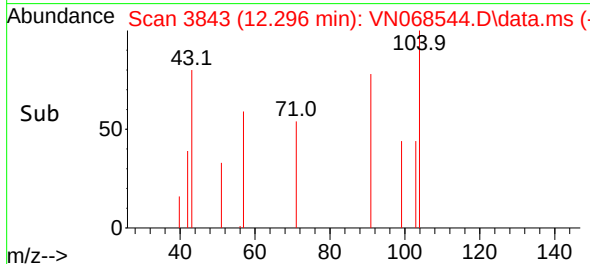
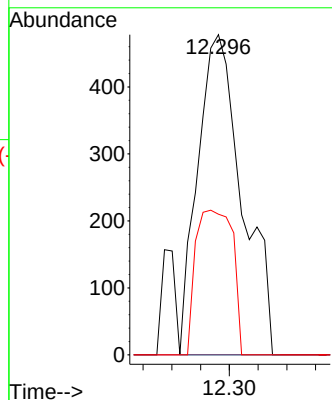
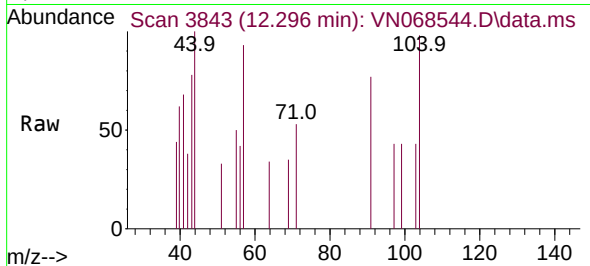




#70
Styrene
Concen: 1.777 ug/l
RT: 12.296 min Scan# 3843
Delta R.T. 0.000 min
Lab File: VN068544.D
Acq: 18 Sep 2021 2:41

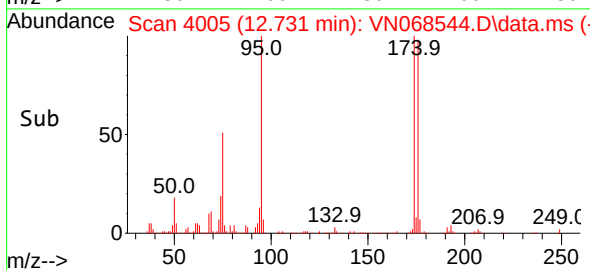
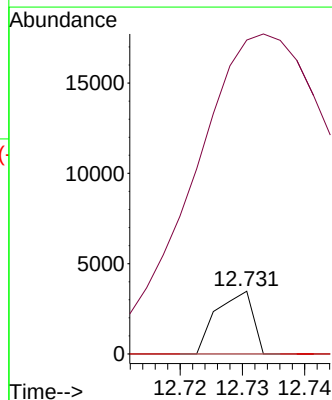
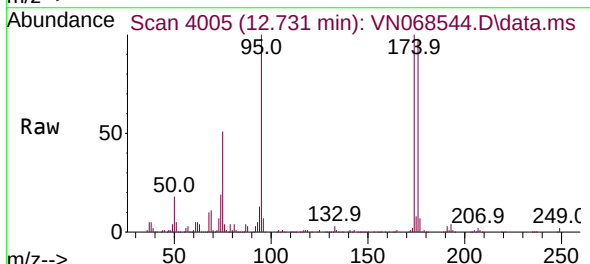
Instrument :
MSVOA_N
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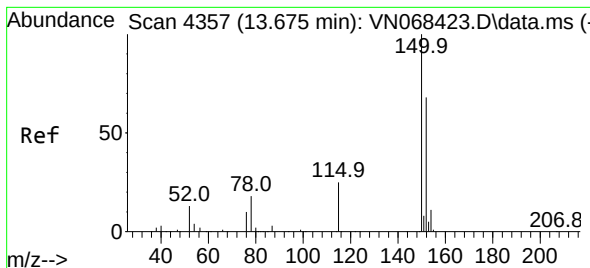
Tgt Ion:104 Resp: 516
Ion Ratio Lower Upper
104 100
78 0.0 36.2 54.2#
103 37.4 44.4 66.6#



#71
Bromoform
Concen: 2.716 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN068544.D
Acq: 18 Sep 2021 2:41

Tgt Ion:173 Resp: 1407
Ion Ratio Lower Upper
173 100
175 2003.8 24.1 72.3#
254 0.0 0.0 0.0

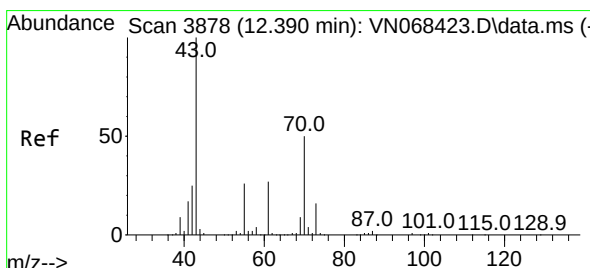
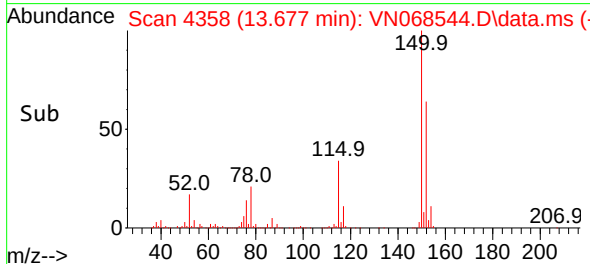
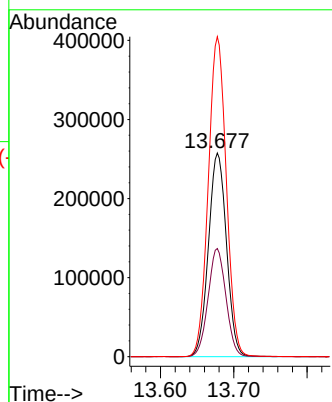
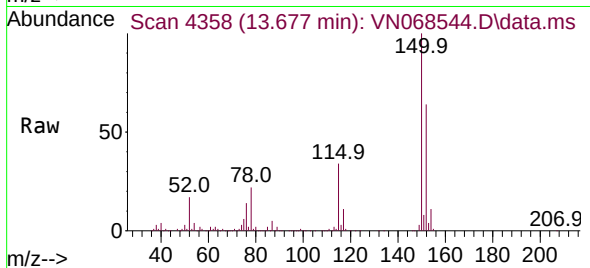




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN068544.D
Acq: 18 Sep 2021 2:41

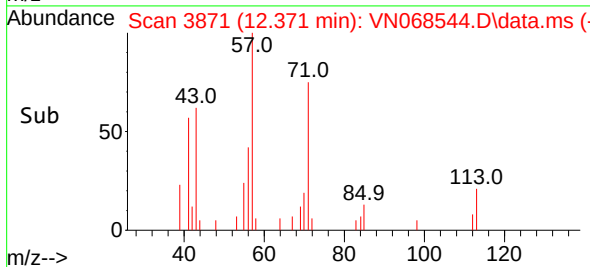
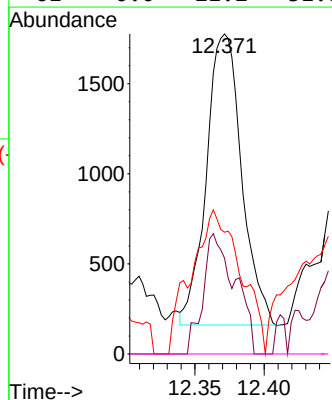
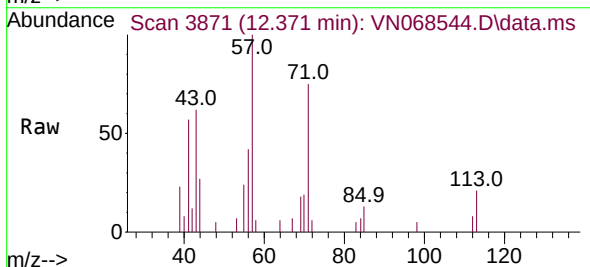
Instrument :
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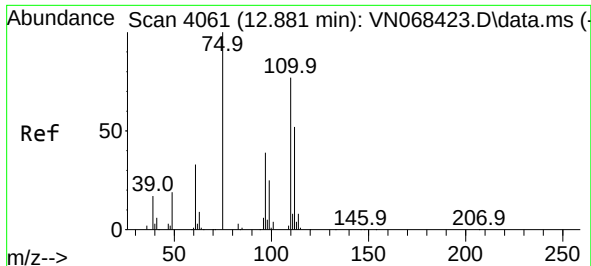
Tgt Ion:152 Resp: 440917
Ion Ratio Lower Upper
152 100
115 52.6 25.6 76.6
150 156.6 0.0 346.8



#74
N-ethyl acetate
Concen: 0.409 ug/l
RT: 12.371 min Scan# 3871
Delta R.T. -0.019 min
Lab File: VN068544.D
Acq: 18 Sep 2021 2:41

Tgt Ion: 43 Resp: 2861
Ion Ratio Lower Upper
43 100
70 28.3 40.0 60.0#
55 69.1 21.1 31.7#
61 0.0 21.2 31.8#

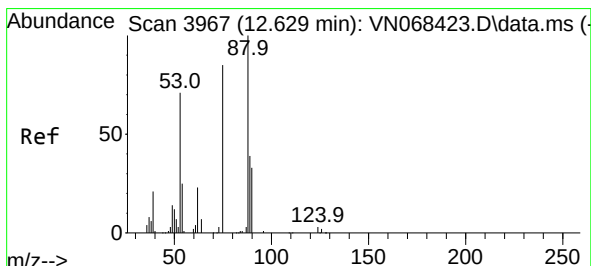
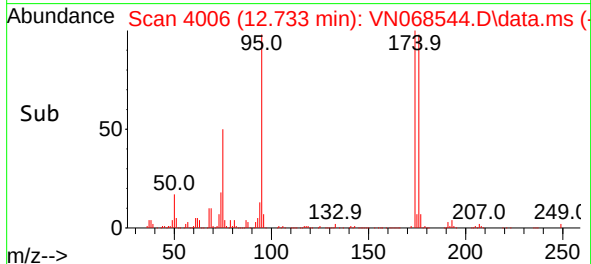
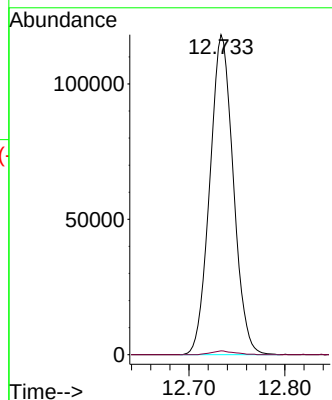
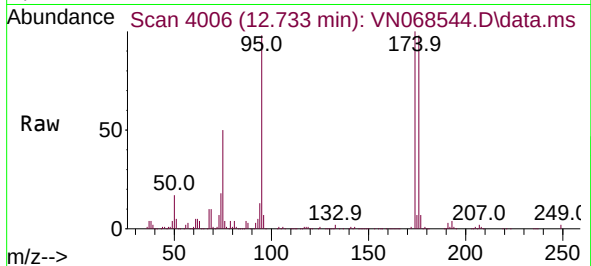




#76
1,2,3-Trichloropropane
Concen: 32.794 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068544.D
Acq: 18 Sep 2021 2:41

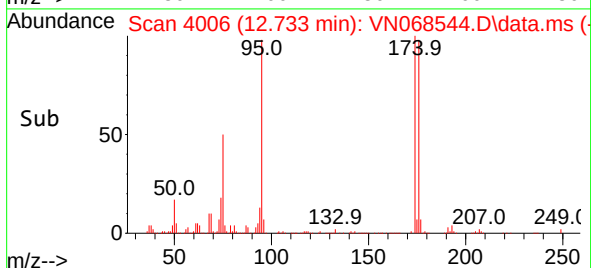
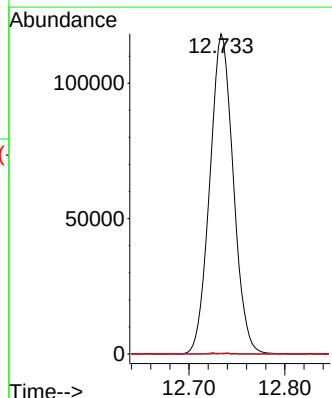
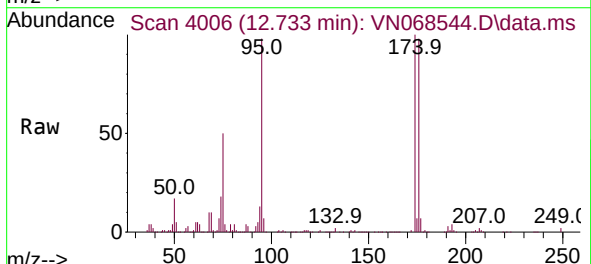
Instrument :
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ClientSampleId :
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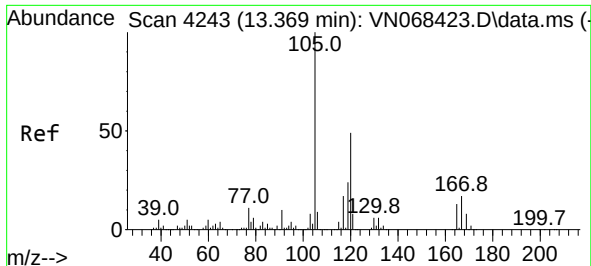
Tgt Ion: 75 Resp: 201134
Ion Ratio Lower Upper
75 100
77 1.2 100.9 302.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.097 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068544.D
Acq: 18 Sep 2021 2:41

Tgt Ion: 75 Resp: 201134
Ion Ratio Lower Upper
75 100
53 0.1 70.6 105.8#
89 0.1 39.5 59.3#

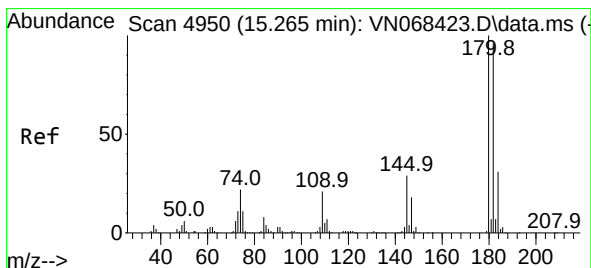
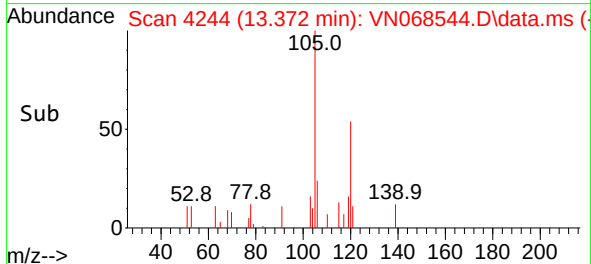
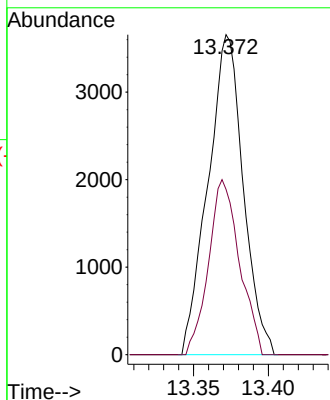
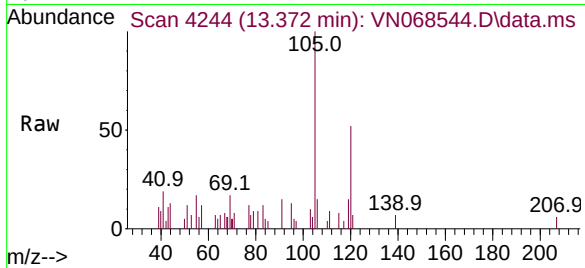




#84
1,2,4-Trimethylbenzene
Concen: 0.245 ug/l
RT: 13.372 min Scan# 4244
Delta R.T. 0.003 min
Lab File: VN068544.D
Acq: 18 Sep 2021 2:41

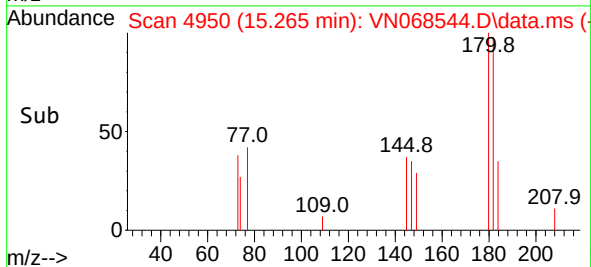
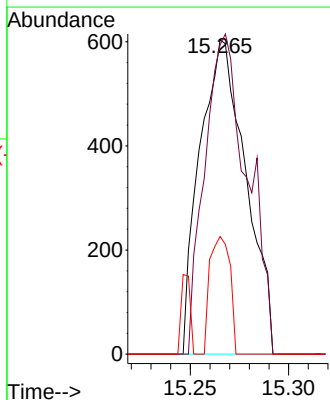
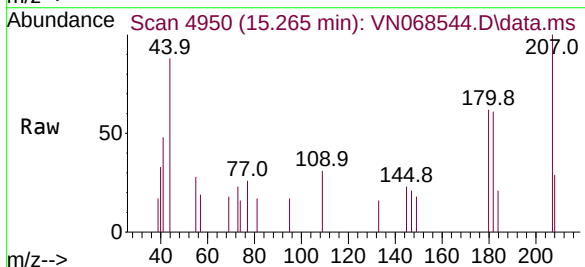
Instrument :
MSVOA_N
ClientSampleId :
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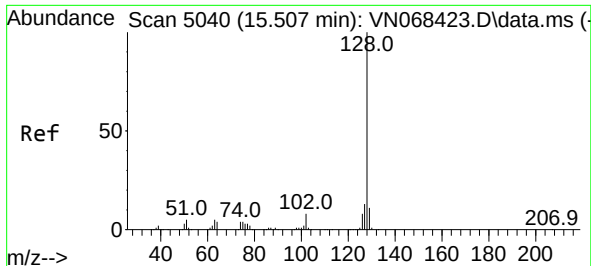
Tgt Ion:105 Resp: 5983
Ion Ratio Lower Upper
105 100
120 48.1 24.3 72.9



#93
1,2,4-Trichlorobenzene
Concen: 3.071 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN068544.D
Acq: 18 Sep 2021 2:41

Tgt Ion:180 Resp: 980
Ion Ratio Lower Upper
180 100
182 94.3 47.5 142.6
145 16.3 14.1 42.4

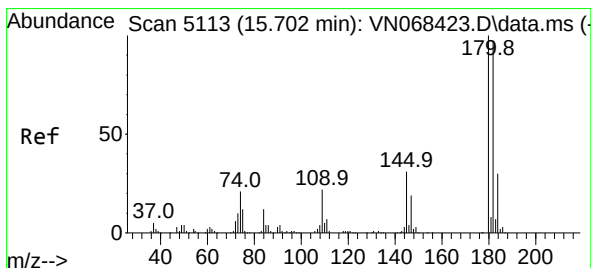
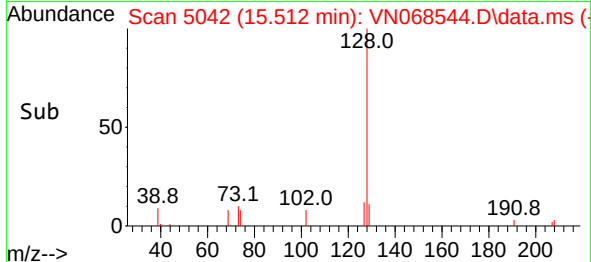
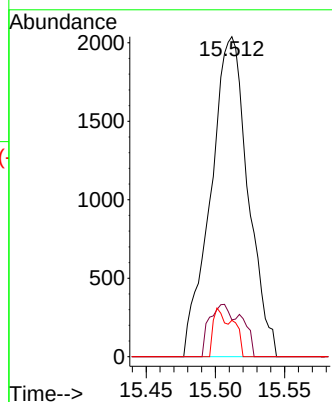
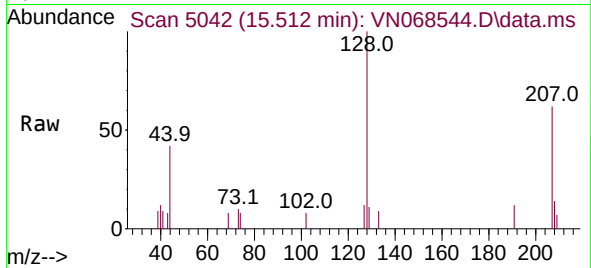




#95
Naphthalene
Concen: 3.700 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068544.D
Acq: 18 Sep 2021 2:41

Instrument :
MSVOA_N
ClientSampleId :
NAPL-05-(29-31)

Tgt Ion:128 Resp: 3820
Ion Ratio Lower Upper
128 100
127 10.3 10.6 15.8#
129 5.2 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 3.103 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.006 min
Lab File: VN068544.D
Acq: 18 Sep 2021 2:41

Tgt Ion:180 Resp: 1061
Ion Ratio Lower Upper
180 100
182 79.8 47.9 143.6
145 18.2 15.2 45.5

