

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052821\
 Data File : VN067191.D
 Acq On : 28 May 2021 18:22
 Operator : JC/MD
 Sample : PB136697ZHE#08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB136697ZHE#08

Quant Time: May 29 02:26:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N052121W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 21 17:24:08 2021
 Response via : Initial Calibration

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

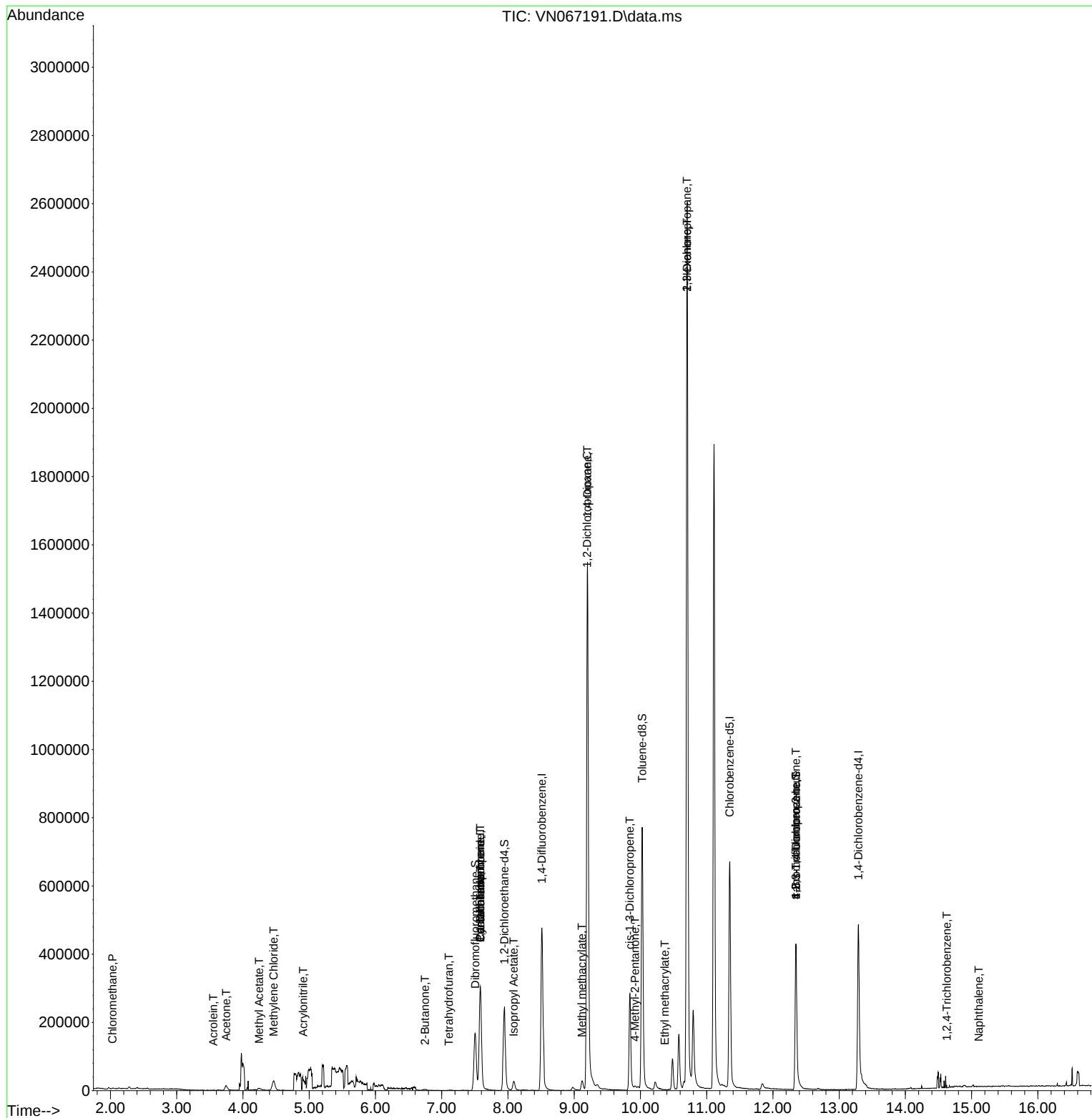
Internal Standards						
1) Pentafluorobenzene	7.584	168	245641	50.00	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.512	114	441932	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.349	117	394403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.291	152	151585	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.946	65	178814	46.91	ug/l	-0.01
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.82%		
35) Dibromofluoromethane	7.506	113	139520	51.44	ug/l	-0.01
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.88%		
50) Toluene-d8	10.027	98	545399	52.25	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	104.50%		
62) 4-Bromofluorobenzene	12.347	95	189581	53.13	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	106.26%		
Target Compounds						
						Qvalue
3) Chloromethane	2.029	50	1002	0.23	ug/l #	85
13) Acrolein	3.553	56	340	0.51	ug/l #	77
15) Acrylonitrile	4.910	53	350	0.21	ug/l #	1
16) Acetone	3.746	43	23452	14.97	ug/l	99
18) Methyl Acetate	4.245	43	10442	2.39	ug/l	97
20) Methylene Chloride	4.464	84	22110	5.74	ug/l	87
25) 2-Butanone	6.750	43	1456	0.58	ug/l #	84
29) Tetrahydrofuran	7.109	42	556	0.34	ug/l #	28
31) Cyclohexane	7.584	56	5879	1.00	ug/l #	1
36) 1,1-Dichloropropene	7.584	75	21942	4.91	ug/l #	48
38) Carbon Tetrachloride	7.584	117	25709	5.91	ug/l #	15
43) Isopropyl Acetate	8.088	43	34220	4.00	ug/l #	87
45) 1,2-Dichloropropane	9.195	63	2111	0.57	ug/l #	45
48) Methyl methacrylate	9.115	41	6894	1.82	ug/l #	9
49) 1,4-Dioxane	9.201	88	116	62.58	ug/l #	1
51) 4-Methyl-2-Pentanone	9.917	43	6269	1.32	ug/l	94
54) cis-1,3-Dichloropropene	9.842	75	54932	9.69	ug/l #	66
56) Ethyl methacrylate	10.367	69	122	2.81	ug/l #	31
57) 1,3-Dichloropropane	10.705	76	26611	4.82	ug/l #	42
59) 2-Hexanone	10.705	43	394800	120.58	ug/l #	46
76) 1,2,3-Trichloropropane	12.347	75	93618	22.19	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.347	75	93618	63.30	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.624	180	25	3.27	ug/l #	13
95) Naphthalene	15.107	128	52	3.87	ug/l #	69

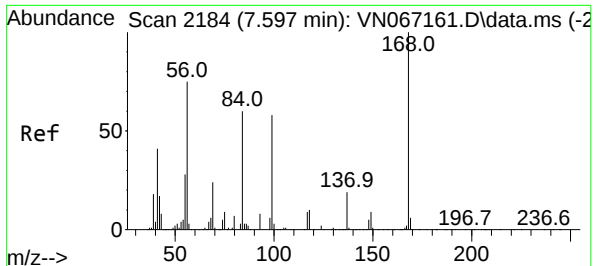
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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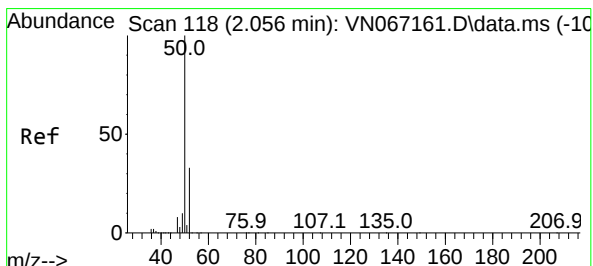
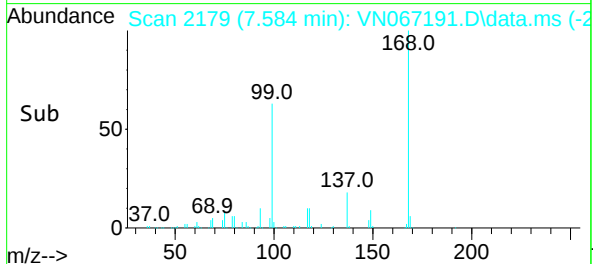
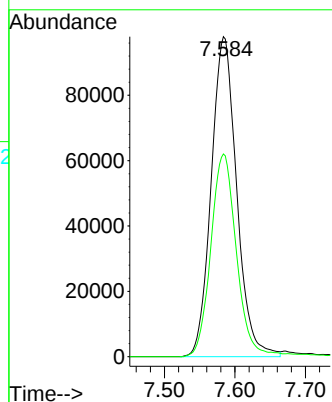
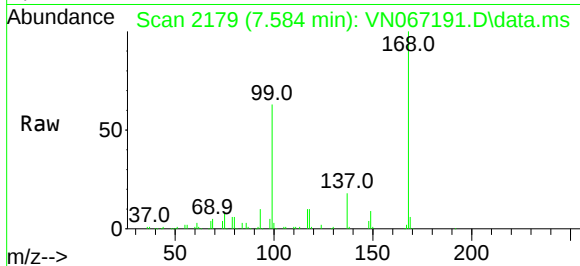




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.584 min Scan# 2179
Delta R.T. -0.013 min
Lab File: VN067191.D
Acq: 28 May 2021 18:22

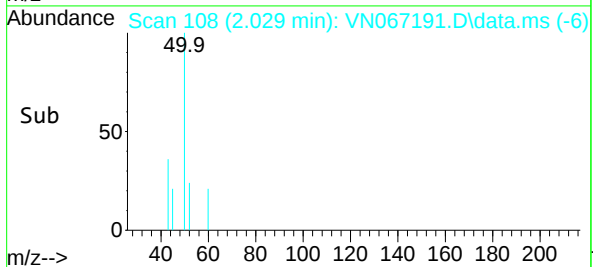
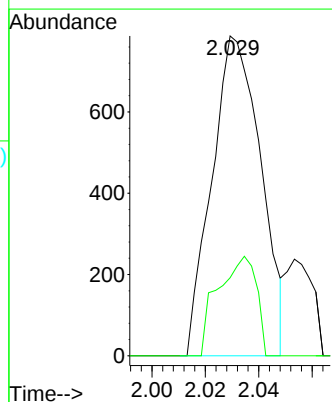
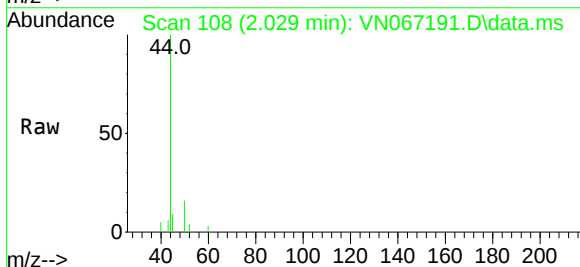
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#08

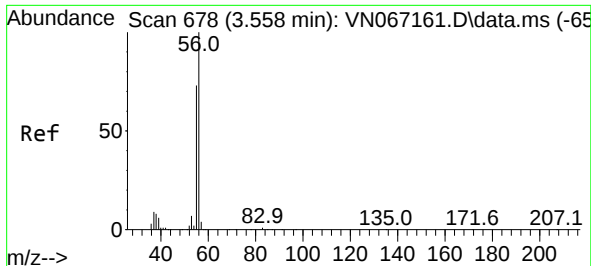
Tgt Ion:168 Resp: 245641
Ion Ratio Lower Upper
168 100
99 63.4 38.5 57.7#



#3
Chloromethane
Concen: 0.23 ug/l
RT: 2.029 min Scan# 108
Delta R.T. -0.027 min
Lab File: VN067191.D
Acq: 28 May 2021 18:22

Tgt Ion: 50 Resp: 1002
Ion Ratio Lower Upper
50 100
52 24.4 26.5 39.7#

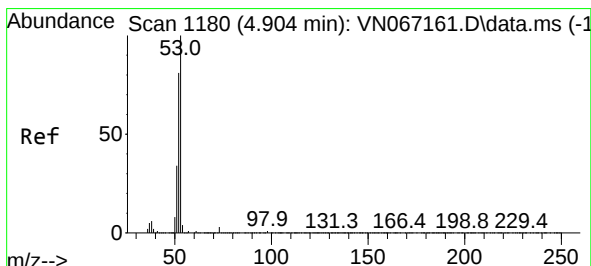
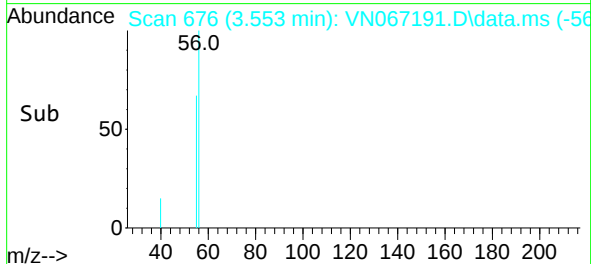
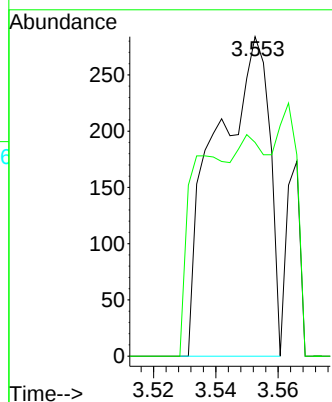
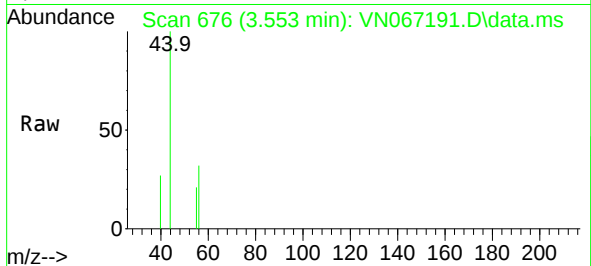




#13
Acrolein
Concen: 0.51 ug/l
RT: 3.553 min Scan# 676
Delta R.T. -0.005 min
Lab File: VN067191.D
Acq: 28 May 2021 18:22

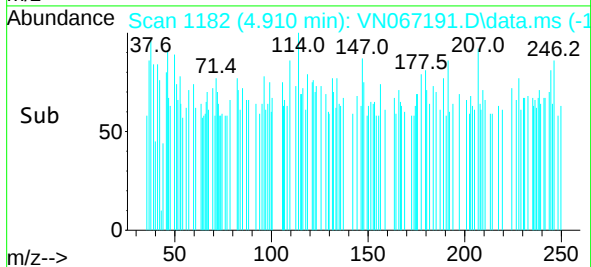
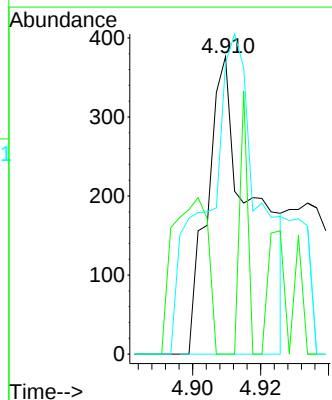
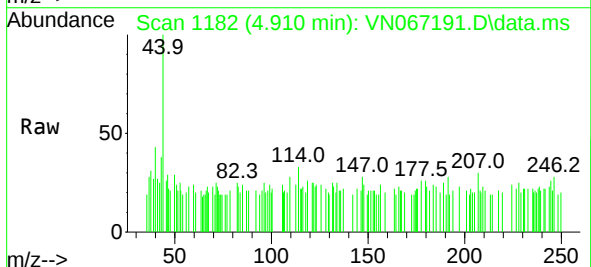
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#08

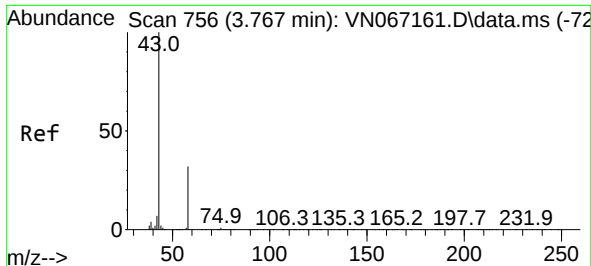
Tgt Ion: 56 Resp: 340
Ion Ratio Lower Upper
56 100
55 48.8 53.8 80.6#



#15
Acrylonitrile
Concen: 0.21 ug/l
RT: 4.910 min Scan# 1182
Delta R.T. 0.006 min
Lab File: VN067191.D
Acq: 28 May 2021 18:22

Tgt Ion: 53 Resp: 350
Ion Ratio Lower Upper
53 100
52 15.4 66.6 100.0#
51 148.3 28.6 42.8#

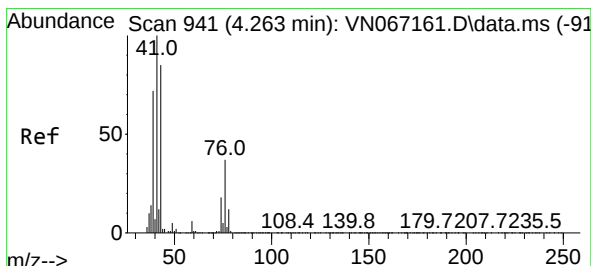
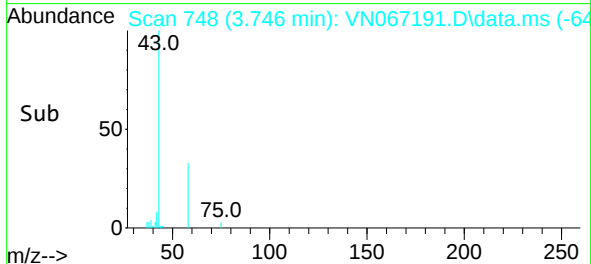
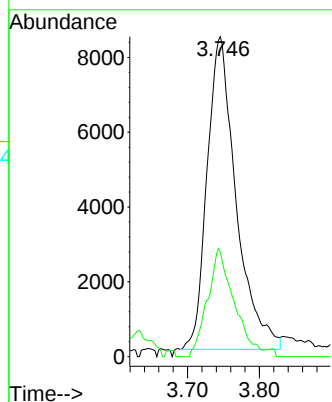
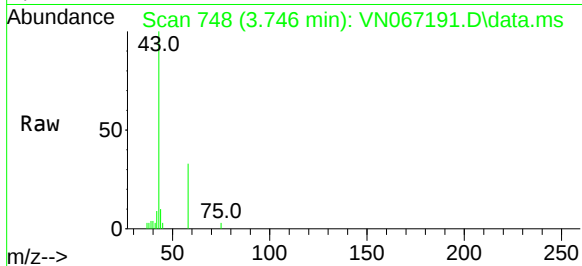




#16
Acetone
Concen: 14.97 ug/l
RT: 3.746 min Scan# 748
Delta R.T. -0.021 min
Lab File: VN067191.D
Acq: 28 May 2021 18:22

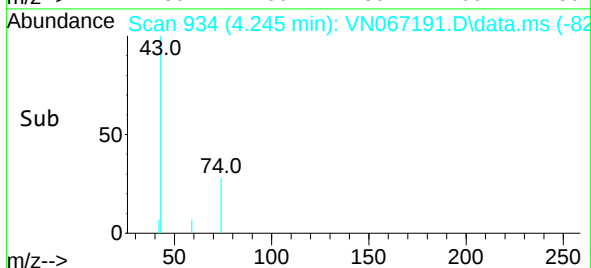
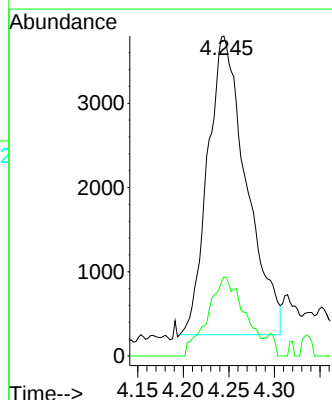
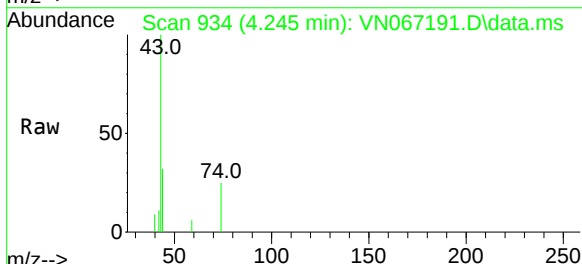
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#08

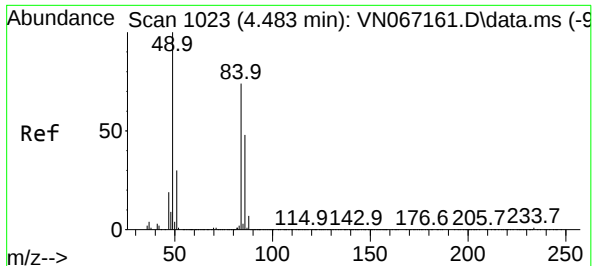
Tgt Ion: 43 Resp: 23452
Ion Ratio Lower Upper
43 100
58 33.4 27.2 40.8



#18
Methyl Acetate
Concen: 2.39 ug/l
RT: 4.245 min Scan# 934
Delta R.T. -0.018 min
Lab File: VN067191.D
Acq: 28 May 2021 18:22

Tgt Ion: 43 Resp: 10442
Ion Ratio Lower Upper
43 100
74 25.1 21.4 32.2

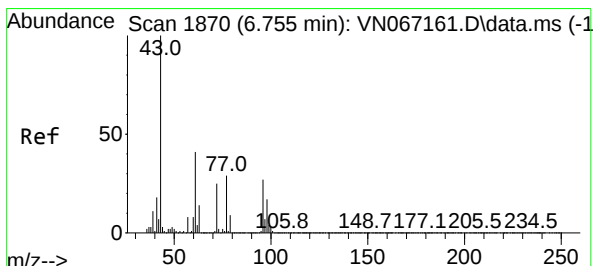
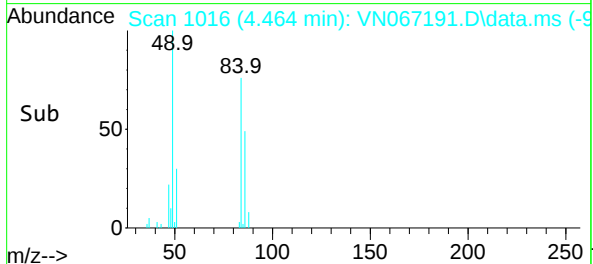
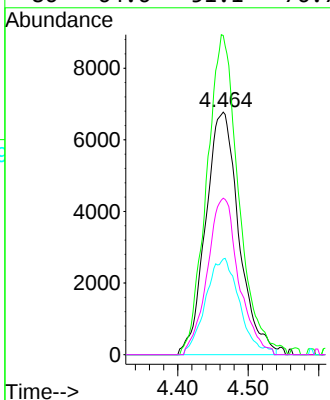
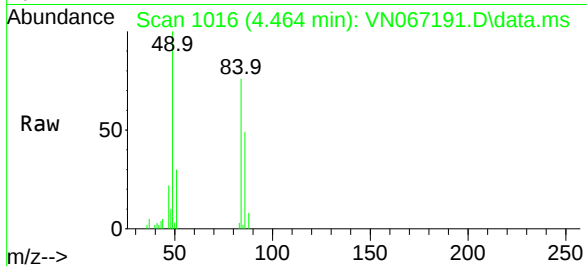




#20
Methylene Chloride
Concen: 5.74 ug/l
RT: 4.464 min Scan# 1016
Delta R.T. -0.019 min
Lab File: VN067191.D
Acq: 28 May 2021 18:22

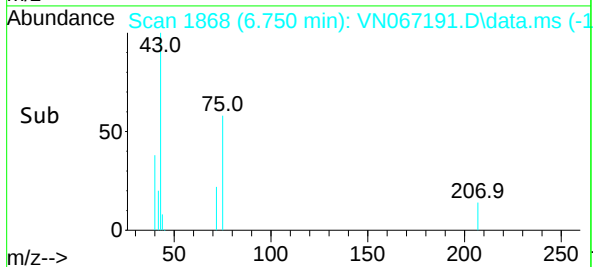
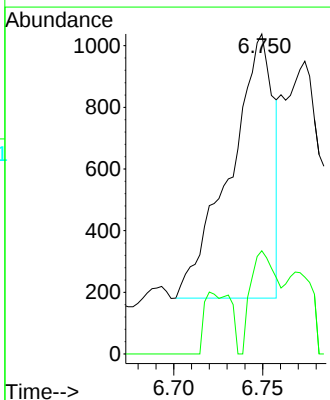
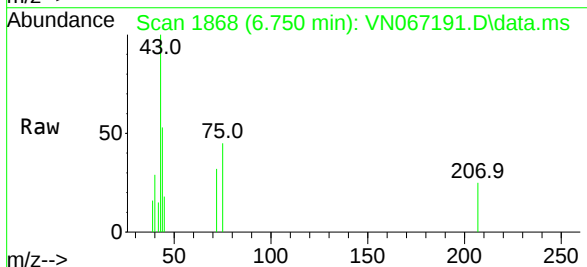
Instrument :
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ClientSampleId :
PB136697ZHE#08

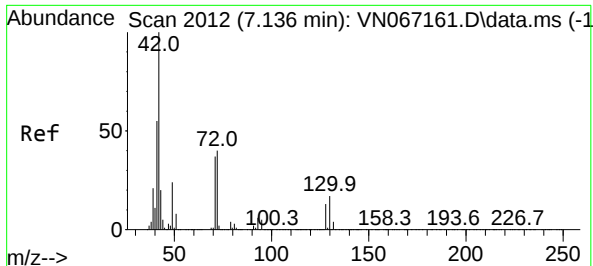
Tgt Ion:	84	Resp:	22110
Ion	Ratio	Lower	Upper
84	100		
49	131.6	88.3	132.5
51	39.4	26.7	40.1
86	64.6	51.1	76.7



#25
2-Butanone
Concen: 0.58 ug/l
RT: 6.750 min Scan# 1868
Delta R.T. -0.005 min
Lab File: VN067191.D
Acq: 28 May 2021 18:22

Tgt Ion:	43	Resp:	1456
Ion	Ratio	Lower	Upper
43	100		
72	39.1	24.4	36.6#





#29

Tetrahydrofuran

Concen: 0.34 ug/l

RT: 7.109 min Scan# 2002

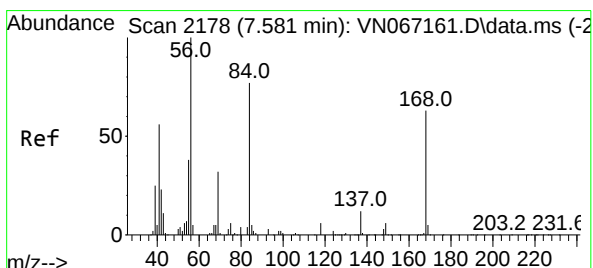
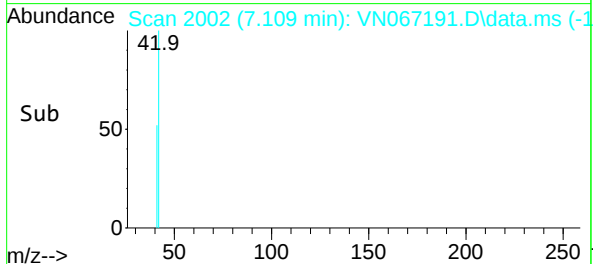
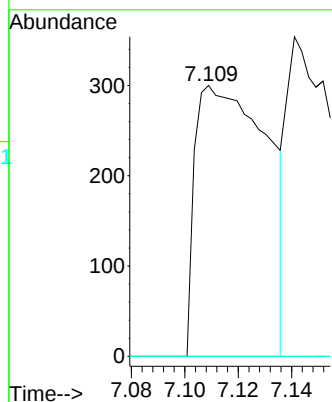
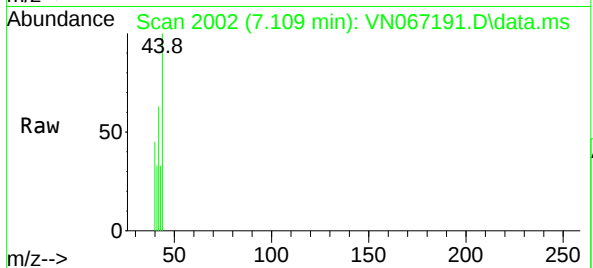
Delta R.T. -0.027 min

Lab File: VN067191.D

Acq: 28 May 2021 18:22

Tgt Ion:	42	Resp:	556
Ion Ratio	Lower	Upper	
42	100		
72	0.0	40.1	60.1#
71	0.0	37.9	56.9#

Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#08



#31

Cyclohexane

Concen: 1.00 ug/l

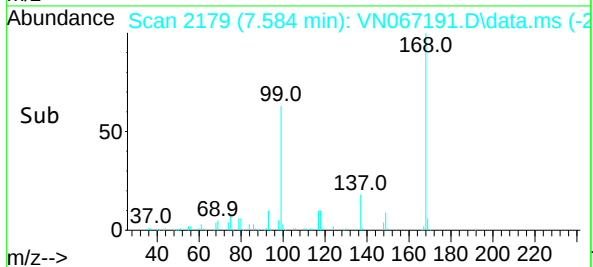
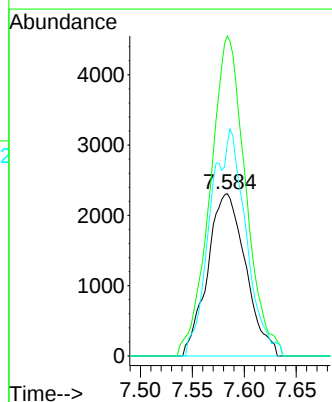
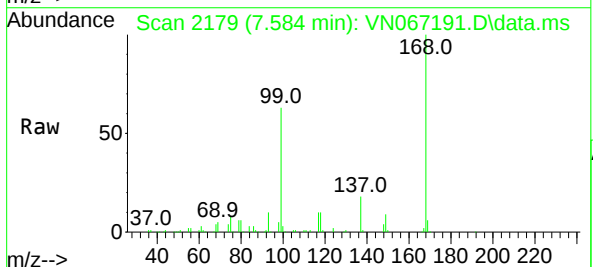
RT: 7.584 min Scan# 2179

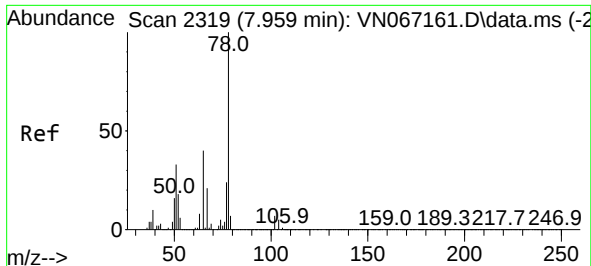
Delta R.T. 0.003 min

Lab File: VN067191.D

Acq: 28 May 2021 18:22

Tgt Ion:	56	Resp:	5879
Ion Ratio	Lower	Upper	
56	100		
69	190.6	28.0	42.0#
84	130.5	74.2	111.2#

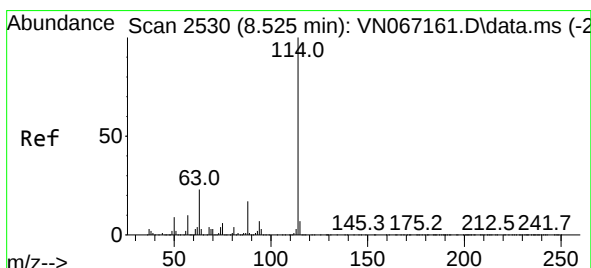
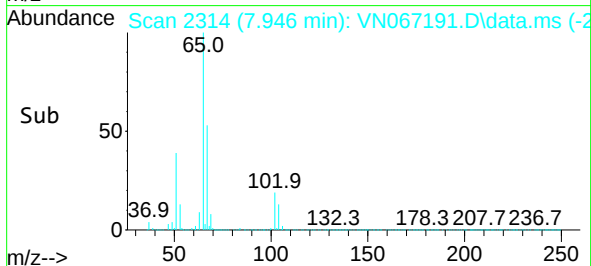
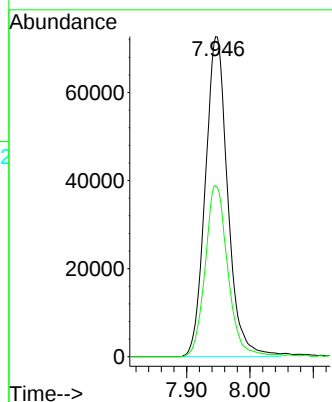
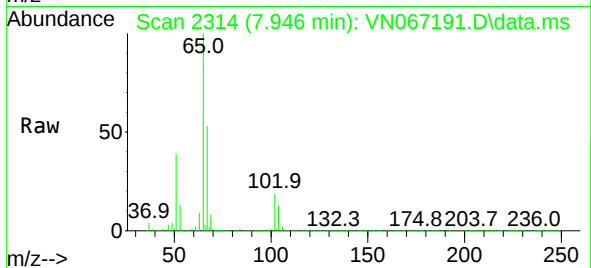




#33
 1,2-Dichloroethane-d4
 Concen: 46.91 ug/l
 RT: 7.946 min Scan# 2314
 Delta R.T. -0.013 min
 Lab File: VN067191.D
 Acq: 28 May 2021 18:22

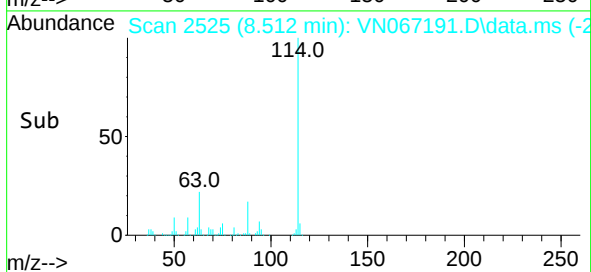
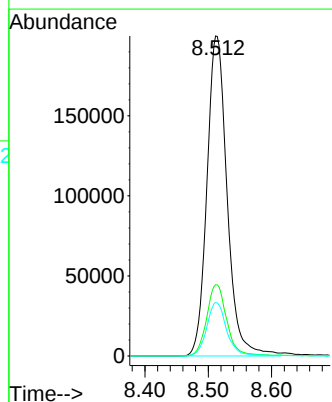
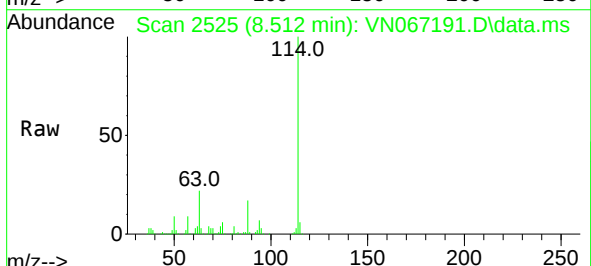
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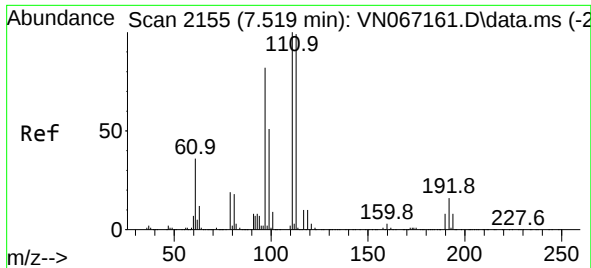
Tgt Ion: 65 Resp: 178814
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.512 min Scan# 2525
 Delta R.T. -0.013 min
 Lab File: VN067191.D
 Acq: 28 May 2021 18:22

Tgt Ion: 114 Resp: 441932
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 35.8
 88 16.7 0.0 30.4

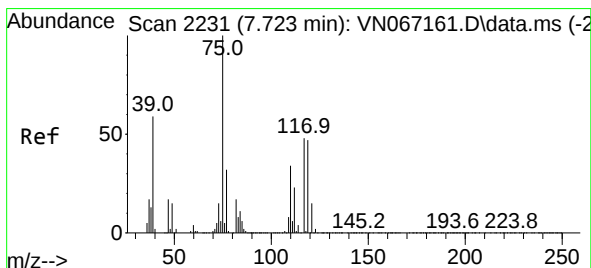
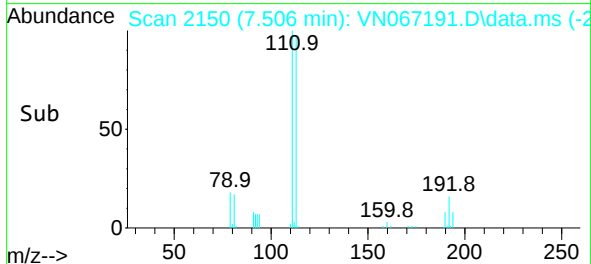
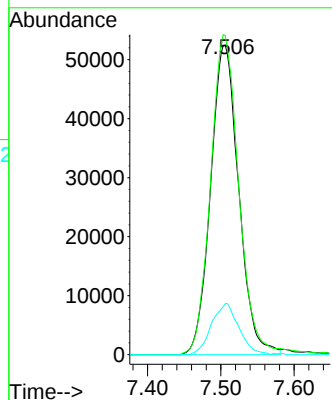
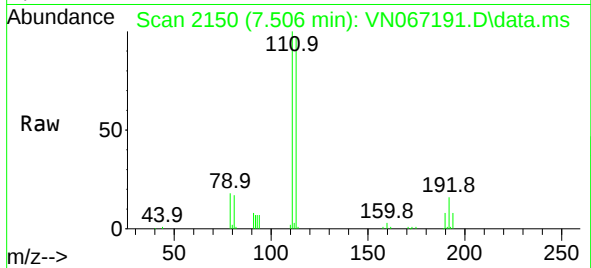




#35
Dibromofluoromethane
Concen: 51.44 ug/l
RT: 7.506 min Scan# 2150
Delta R.T. -0.013 min
Lab File: VN067191.D
Acq: 28 May 2021 18:22

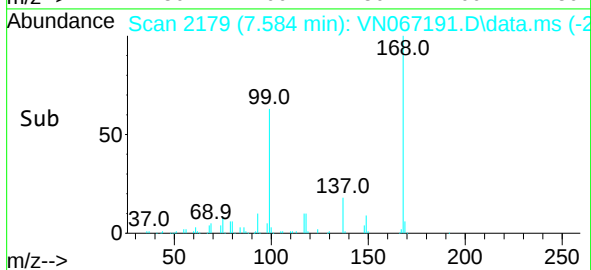
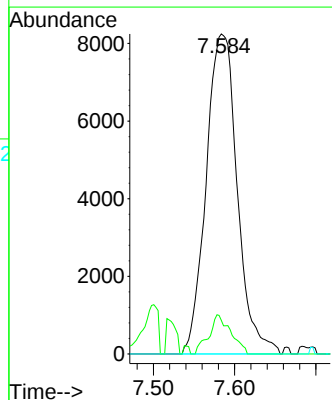
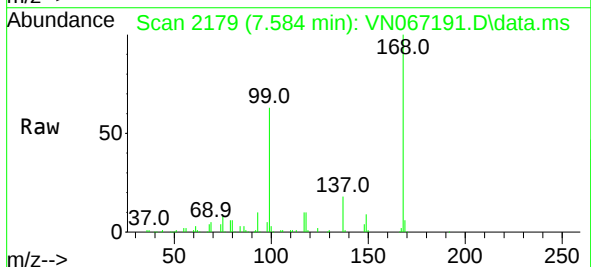
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#08

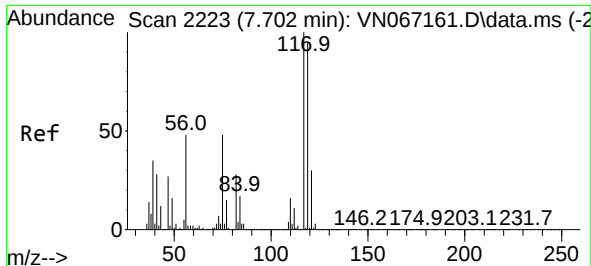
Tgt Ion:113 Resp: 139520
Ion Ratio Lower Upper
113 100
111 103.1 82.6 124.0
192 16.1 18.2 27.4#



#36
1,1-Dichloropropene
Concen: 4.91 ug/l
RT: 7.584 min Scan# 2179
Delta R.T. -0.139 min
Lab File: VN067191.D
Acq: 28 May 2021 18:22

Tgt Ion: 75 Resp: 21942
Ion Ratio Lower Upper
75 100
110 8.7 19.1 57.3#
77 0.0 24.8 37.2#

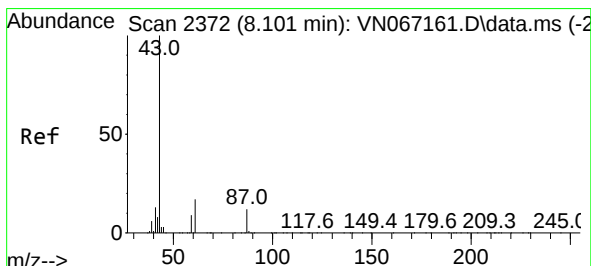
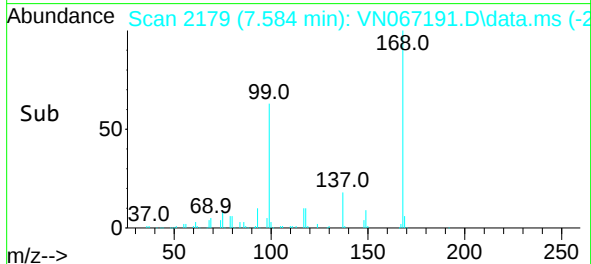
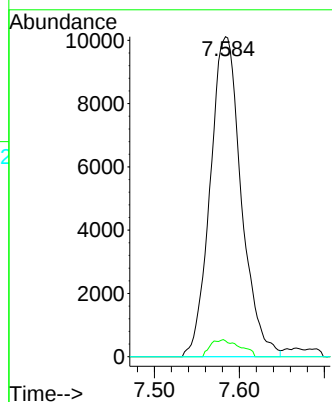
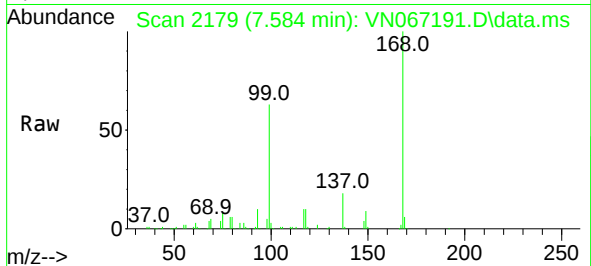




#38
Carbon Tetrachloride
Concen: 5.91 ug/l
RT: 7.584 min Scan# 2179
Delta R.T. -0.118 min
Lab File: VN067191.D
Acq: 28 May 2021 18:22

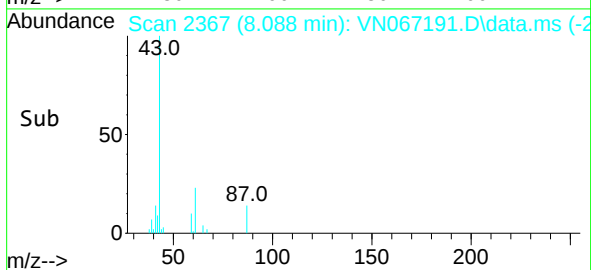
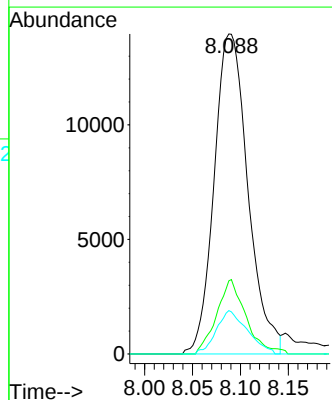
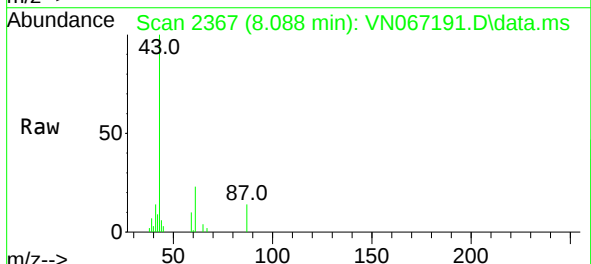
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#08

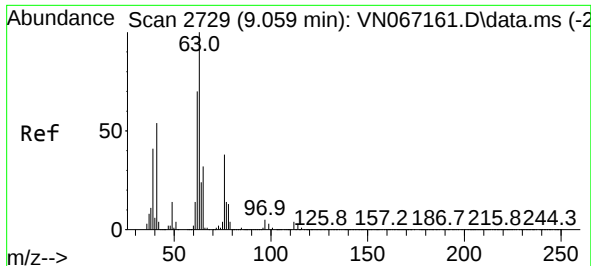
Tgt Ion:117 Resp: 25709
Ion Ratio Lower Upper
117 100
119 5.0 78.2 117.2#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 4.00 ug/l
RT: 8.088 min Scan# 2367
Delta R.T. -0.013 min
Lab File: VN067191.D
Acq: 28 May 2021 18:22

Tgt Ion: 43 Resp: 34220
Ion Ratio Lower Upper
43 100
61 20.2 23.4 35.0#
87 12.4 12.2 18.2

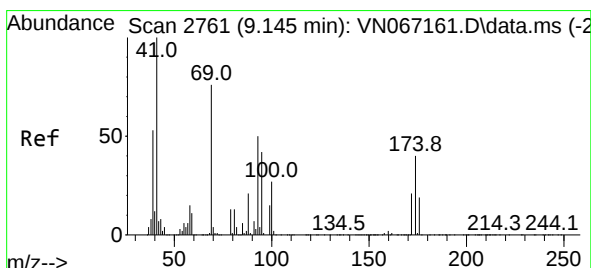
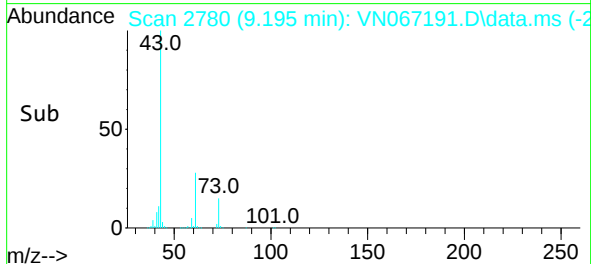
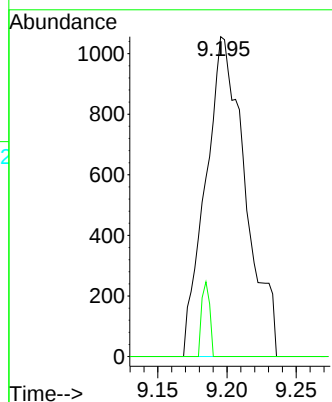
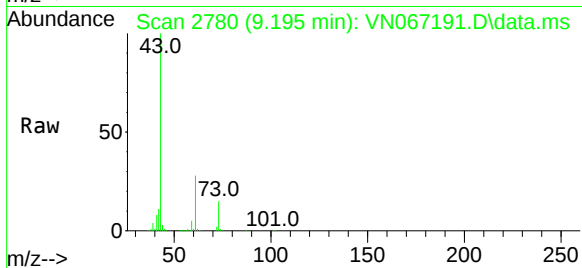




#45
1,2-Dichloropropane
Concen: 0.57 ug/l
RT: 9.195 min Scan# 2780
Delta R.T. 0.136 min
Lab File: VN067191.D
Acq: 28 May 2021 18:22

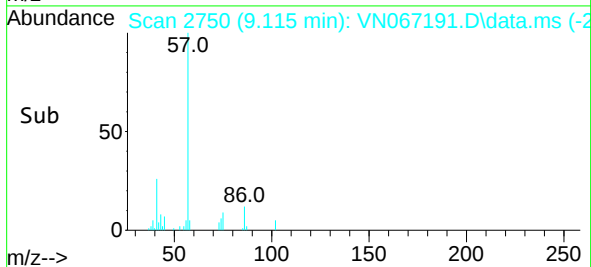
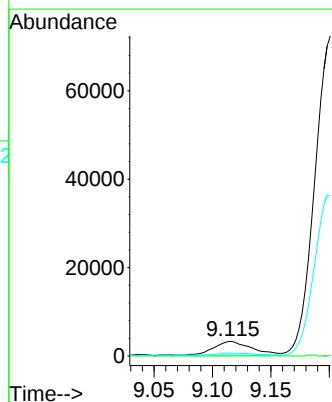
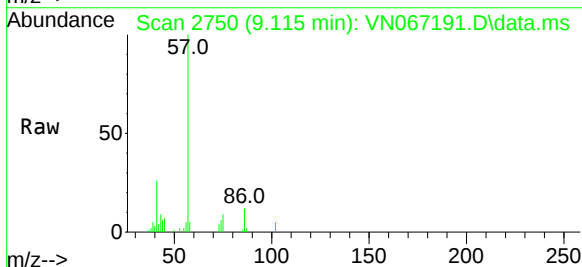
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#08

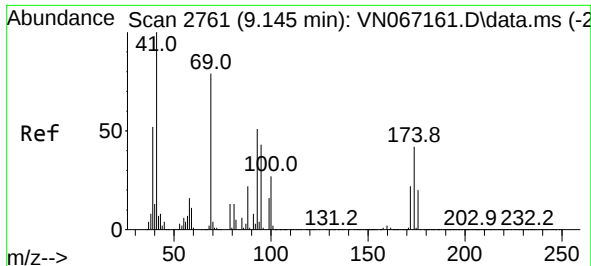
Tgt Ion: 63 Resp: 2111
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 1.82 ug/l
RT: 9.115 min Scan# 2750
Delta R.T. -0.030 min
Lab File: VN067191.D
Acq: 28 May 2021 18:22

Tgt Ion: 41 Resp: 6894
Ion Ratio Lower Upper
41 100
69 0.0 80.5 120.7#
39 0.0 41.4 62.0#

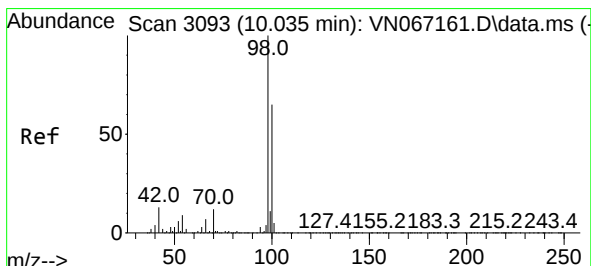
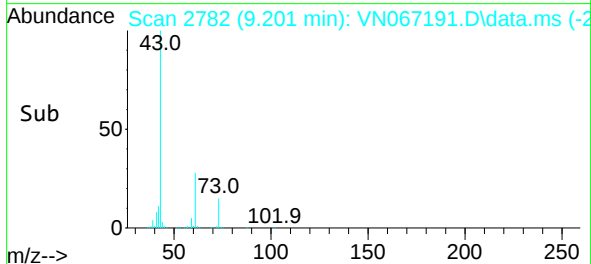
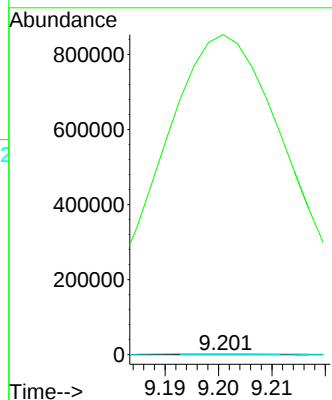
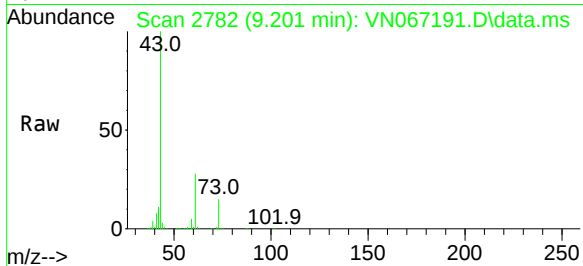




#49
1,4-Dioxane
Concen: 62.58 ug/l
RT: 9.201 min Scan# 2782
Delta R.T. 0.056 min
Lab File: VN067191.D
Acq: 28 May 2021 18:22

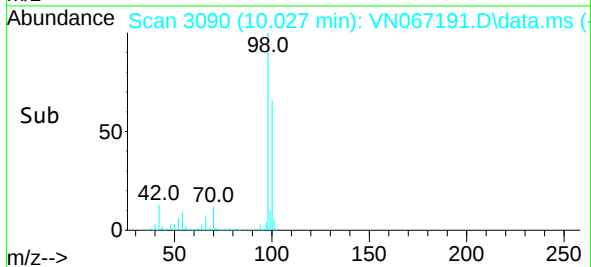
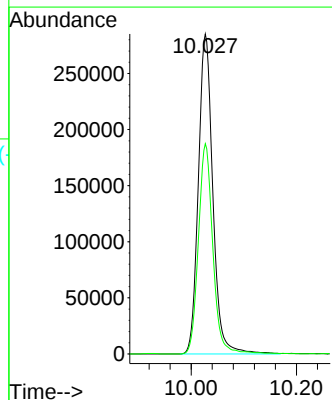
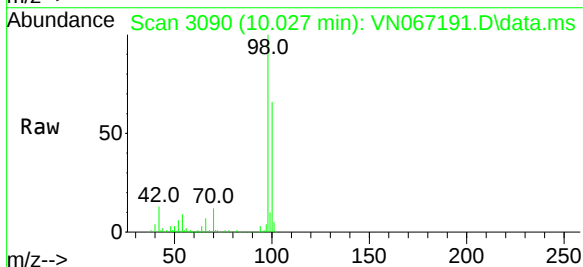
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#08

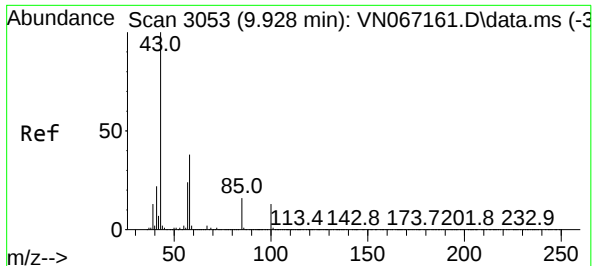
Tgt Ion: 88 Resp: 116
Ion Ratio Lower Upper
88 100
43 1483756.9 21.8 32.8#
58 5809.5 50.8 76.2#



#50
Toluene-d8
Concen: 52.25 ug/l
RT: 10.027 min Scan# 3090
Delta R.T. -0.008 min
Lab File: VN067191.D
Acq: 28 May 2021 18:22

Tgt Ion: 98 Resp: 545399
Ion Ratio Lower Upper
98 100
100 65.4 51.8 77.8

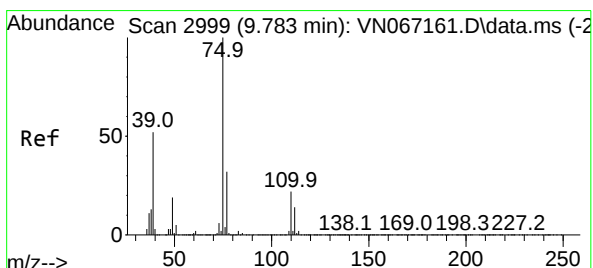
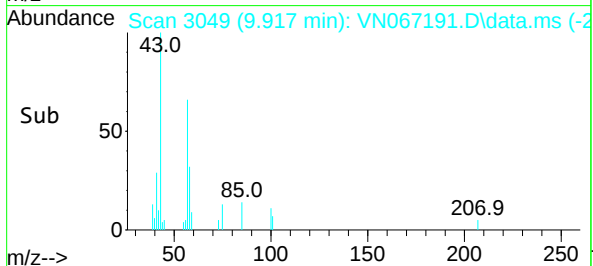
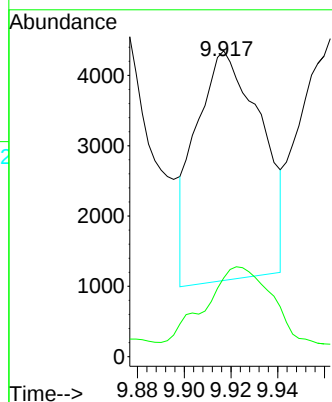
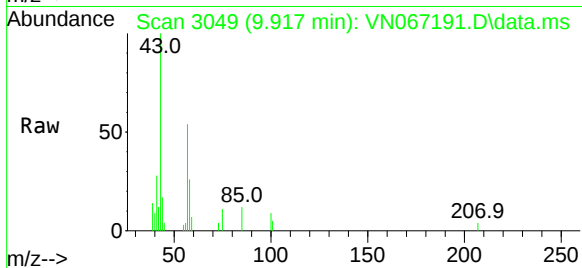




#51
4-Methyl-2-Pentanone
Concen: 1.32 ug/l
RT: 9.917 min Scan# 3049
Delta R.T. -0.011 min
Lab File: VN067191.D
Acq: 28 May 2021 18:22

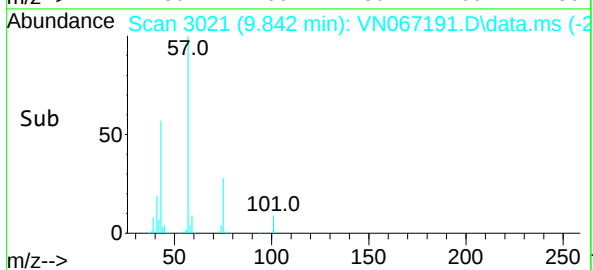
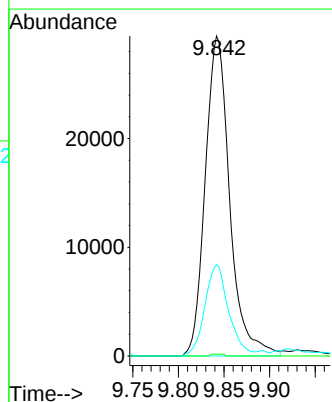
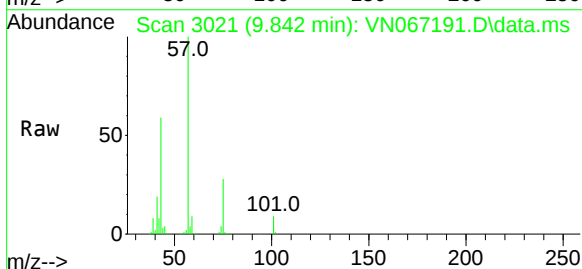
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#08

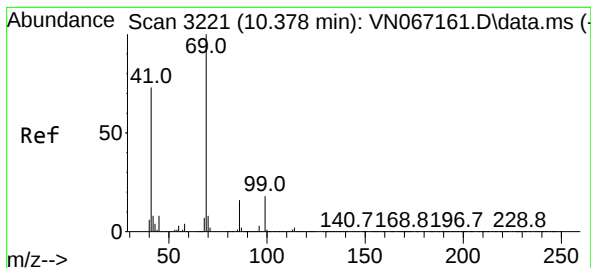
Tgt Ion: 43 Resp: 6269
Ion Ratio Lower Upper
43 100
58 46.9 34.5 51.7



#54
cis-1,3-Dichloropropene
Concen: 9.69 ug/l
RT: 9.842 min Scan# 3021
Delta R.T. 0.059 min
Lab File: VN067191.D
Acq: 28 May 2021 18:22

Tgt Ion: 75 Resp: 54932
Ion Ratio Lower Upper
75 100
77 0.6 25.1 37.7#
39 28.6 30.9 46.3#

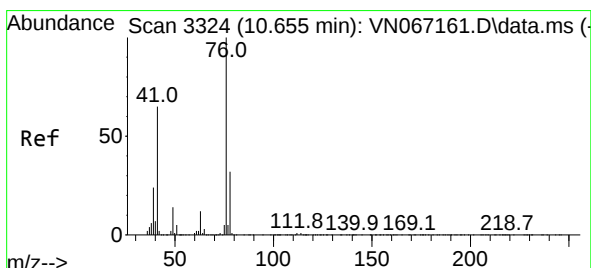
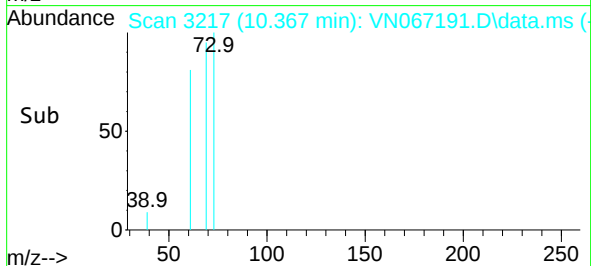
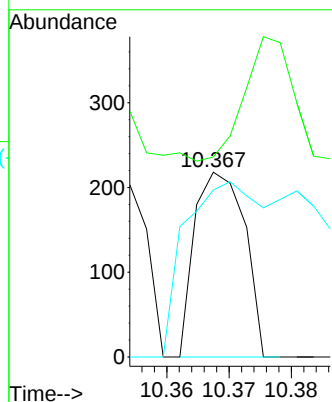
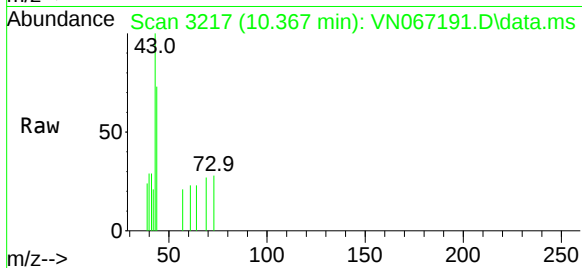




#56
Ethyl methacrylate
Concen: 2.81 ug/l
RT: 10.367 min Scan# 3217
Delta R.T. -0.011 min
Lab File: VN067191.D
Acq: 28 May 2021 18:22

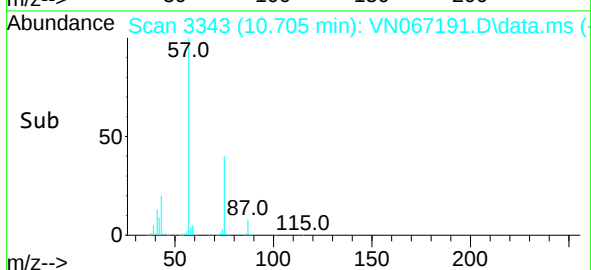
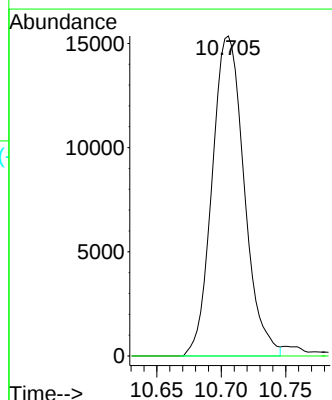
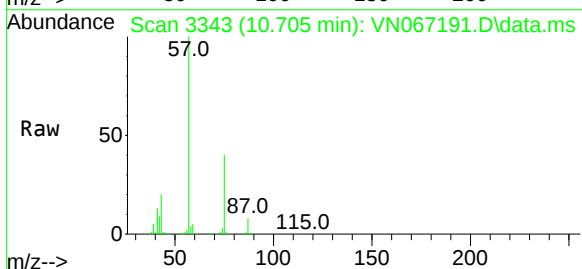
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#08

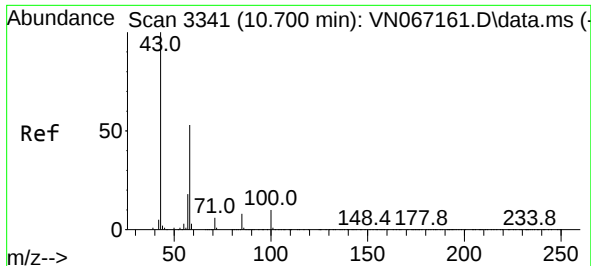
Tgt Ion: 69 Resp: 122
Ion Ratio Lower Upper
69 100
41 0.0 45.5 68.3#
39 0.0 22.9 34.3#



#57
1,3-Dichloropropane
Concen: 4.82 ug/l
RT: 10.705 min Scan# 3343
Delta R.T. 0.050 min
Lab File: VN067191.D
Acq: 28 May 2021 18:22

Tgt Ion: 76 Resp: 26611
Ion Ratio Lower Upper
76 100
78 0.0 26.3 39.5#

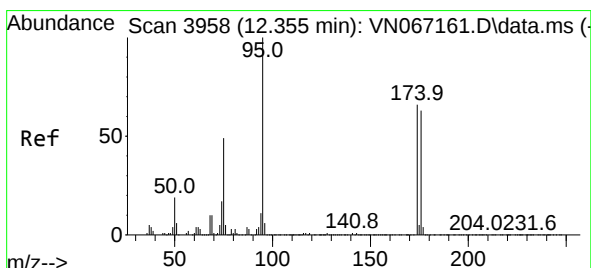
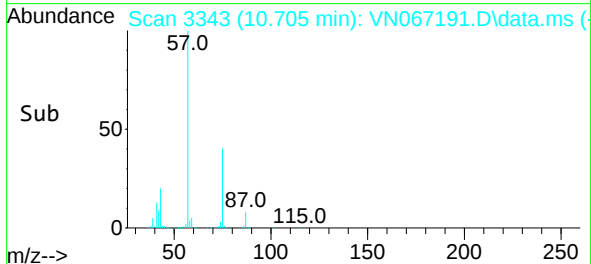
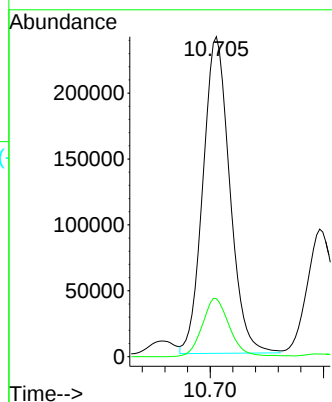
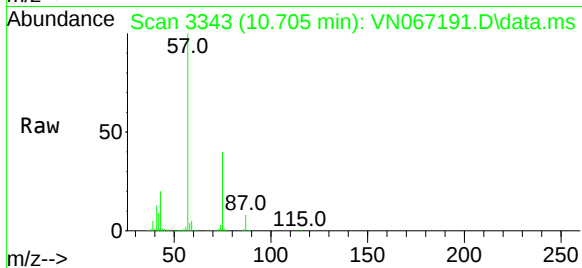




#59
2-Hexanone
Concen: 120.58 ug/l
RT: 10.705 min Scan# 3343
Delta R.T. 0.005 min
Lab File: VN067191.D
Acq: 28 May 2021 18:22

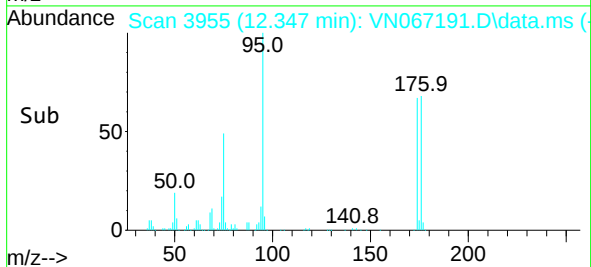
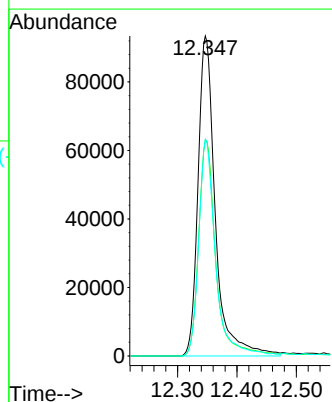
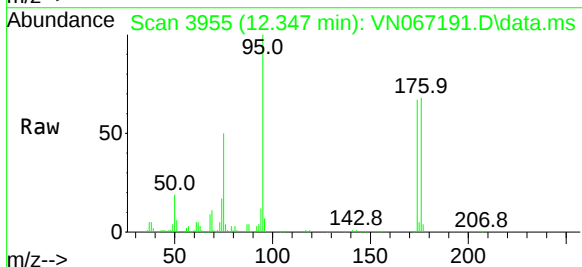
Instrument :
MSVOA_N
ClientSampleId :
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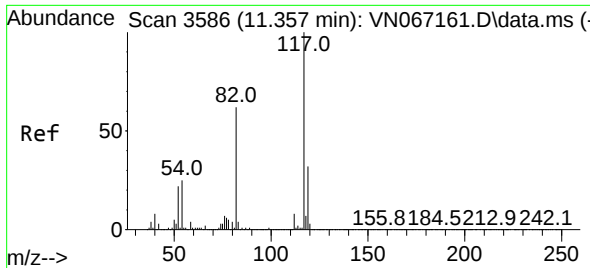
Tgt Ion: 43 Resp: 394800
Ion Ratio Lower Upper
43 100
58 18.6 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 53.13 ug/l
RT: 12.347 min Scan# 3955
Delta R.T. -0.008 min
Lab File: VN067191.D
Acq: 28 May 2021 18:22

Tgt Ion: 95 Resp: 189581
Ion Ratio Lower Upper
95 100
174 67.0 0.0 182.8
176 65.6 0.0 176.6

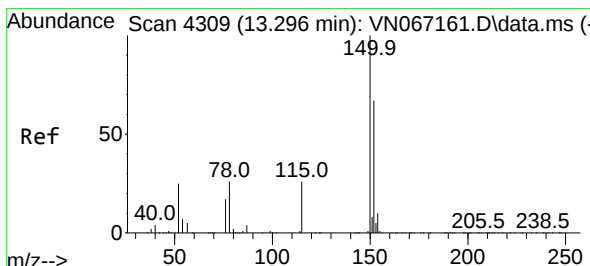
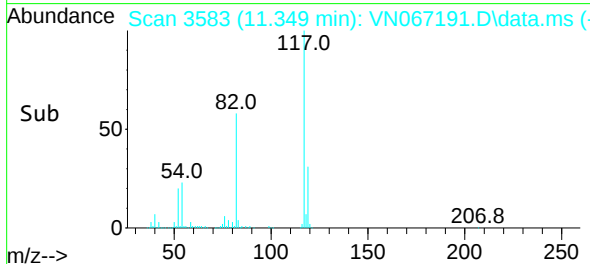
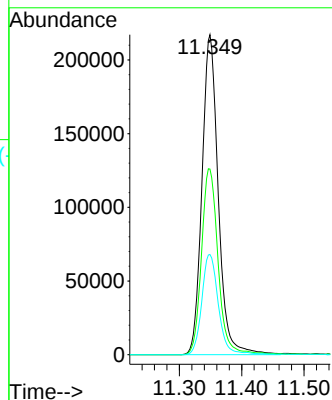
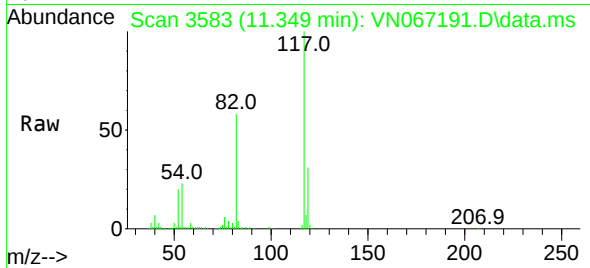




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.349 min Scan# 3583
Delta R.T. -0.008 min
Lab File: VN067191.D
Acq: 28 May 2021 18:22

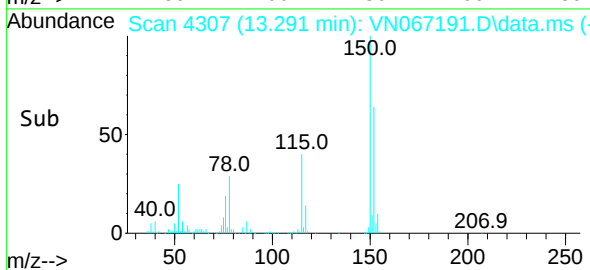
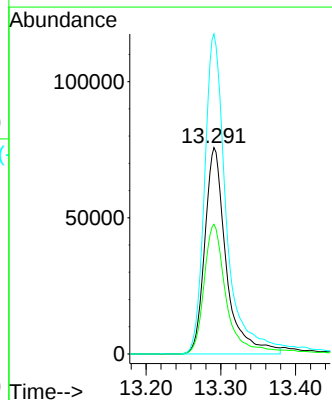
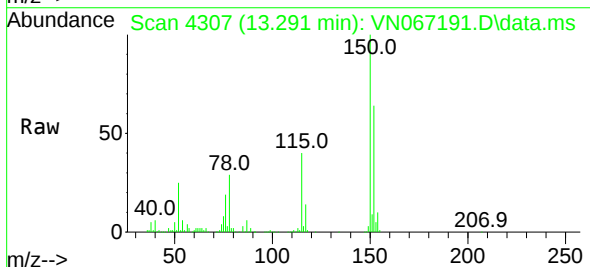
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#08

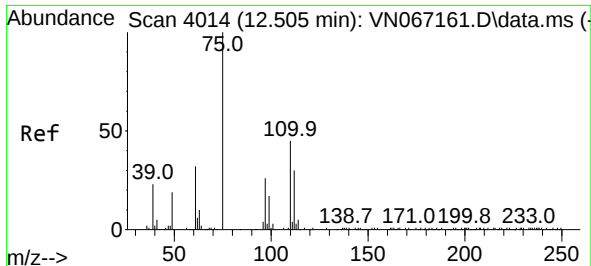
Tgt Ion:	117	Resp:	394403
Ion	Ratio	Lower	Upper
117	100		
82	58.0	42.2	63.2
119	31.3	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.291 min Scan# 4307
Delta R.T. -0.005 min
Lab File: VN067191.D
Acq: 28 May 2021 18:22

Tgt Ion:	152	Resp:	151585
Ion	Ratio	Lower	Upper
152	100		
115	65.3	27.0	80.8
150	159.1	0.0	350.2

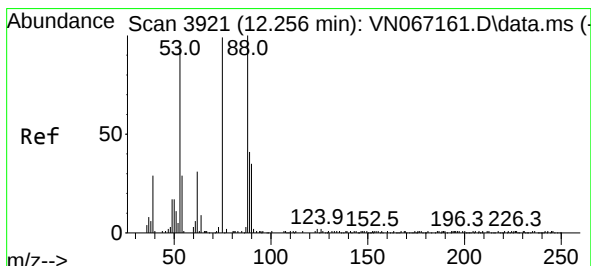
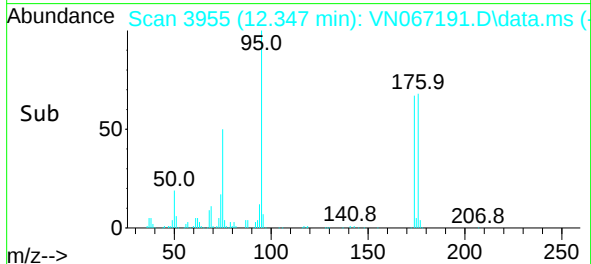
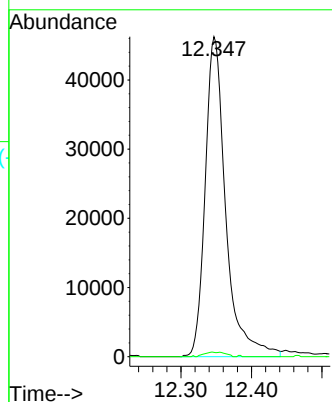
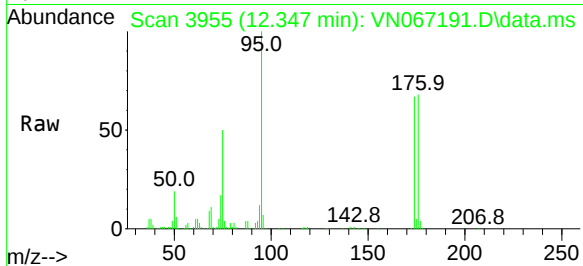




#76
1,2,3-Trichloropropane
Concen: 22.19 ug/l
RT: 12.347 min Scan# 3955
Delta R.T. -0.158 min
Lab File: VN067191.D
Acq: 28 May 2021 18:22

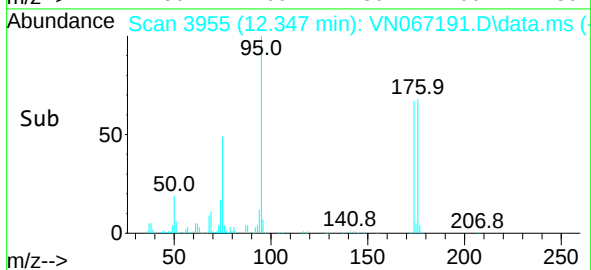
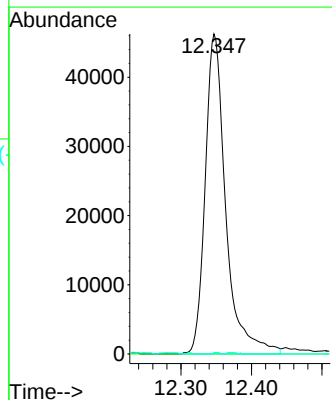
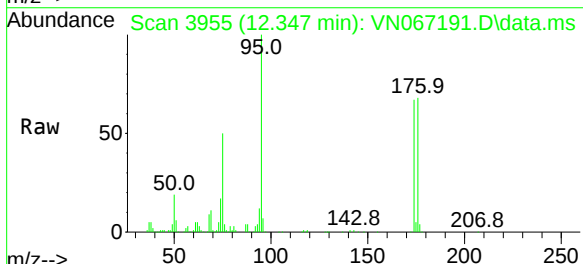
Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#08

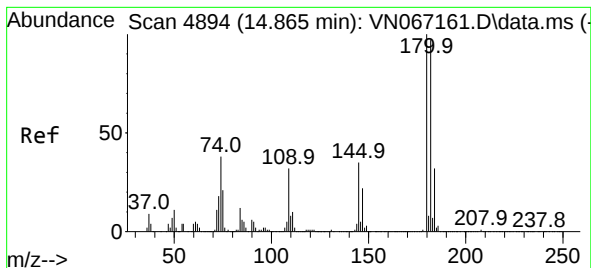
Tgt Ion: 75 Resp: 93618
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.30 ug/l
RT: 12.347 min Scan# 3955
Delta R.T. 0.091 min
Lab File: VN067191.D
Acq: 28 May 2021 18:22

Tgt Ion: 75 Resp: 93618
Ion Ratio Lower Upper
75 100
53 0.0 66.3 99.5#
89 0.1 39.5 59.3#

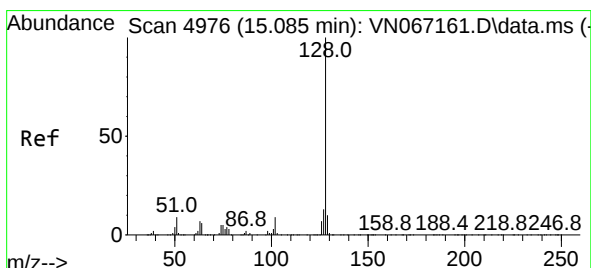
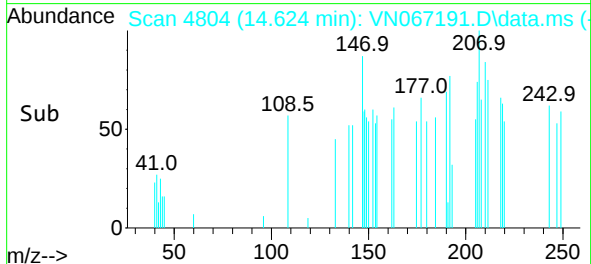
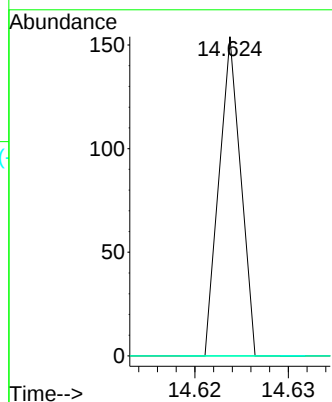
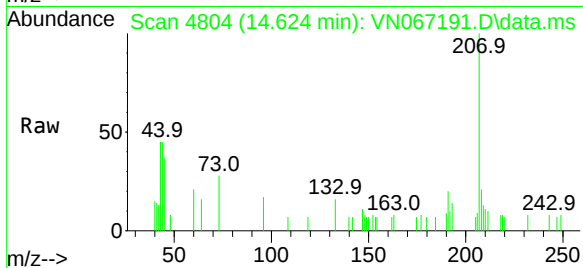




#93
1,2,4-Trichlorobenzene
Concen: 3.27 ug/l
RT: 14.624 min Scan# 4804
Delta R.T. -0.241 min
Lab File: VN067191.D
Acq: 28 May 2021 18:22

Instrument :
MSVOA_N
ClientSampleId :
PB136697ZHE#08

Tgt Ion:180 Resp: 25
Ion Ratio Lower Upper
180 100
182 0.0 47.3 141.8#
145 0.0 14.0 42.0#



#95
Naphthalene
Concen: 3.87 ug/l
RT: 15.107 min Scan# 4984
Delta R.T. 0.022 min
Lab File: VN067191.D
Acq: 28 May 2021 18:22

Tgt Ion:128 Resp: 52
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

