

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100522\
 Data File : VN074767.D
 Acq On : 06 Oct 2022 03:16
 Operator : JC\MD
 Sample : PB148097ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148097ZHE#04

Quant Time: Oct 06 07:49:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 05:37:50 2022
 Response via : Initial Calibration

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

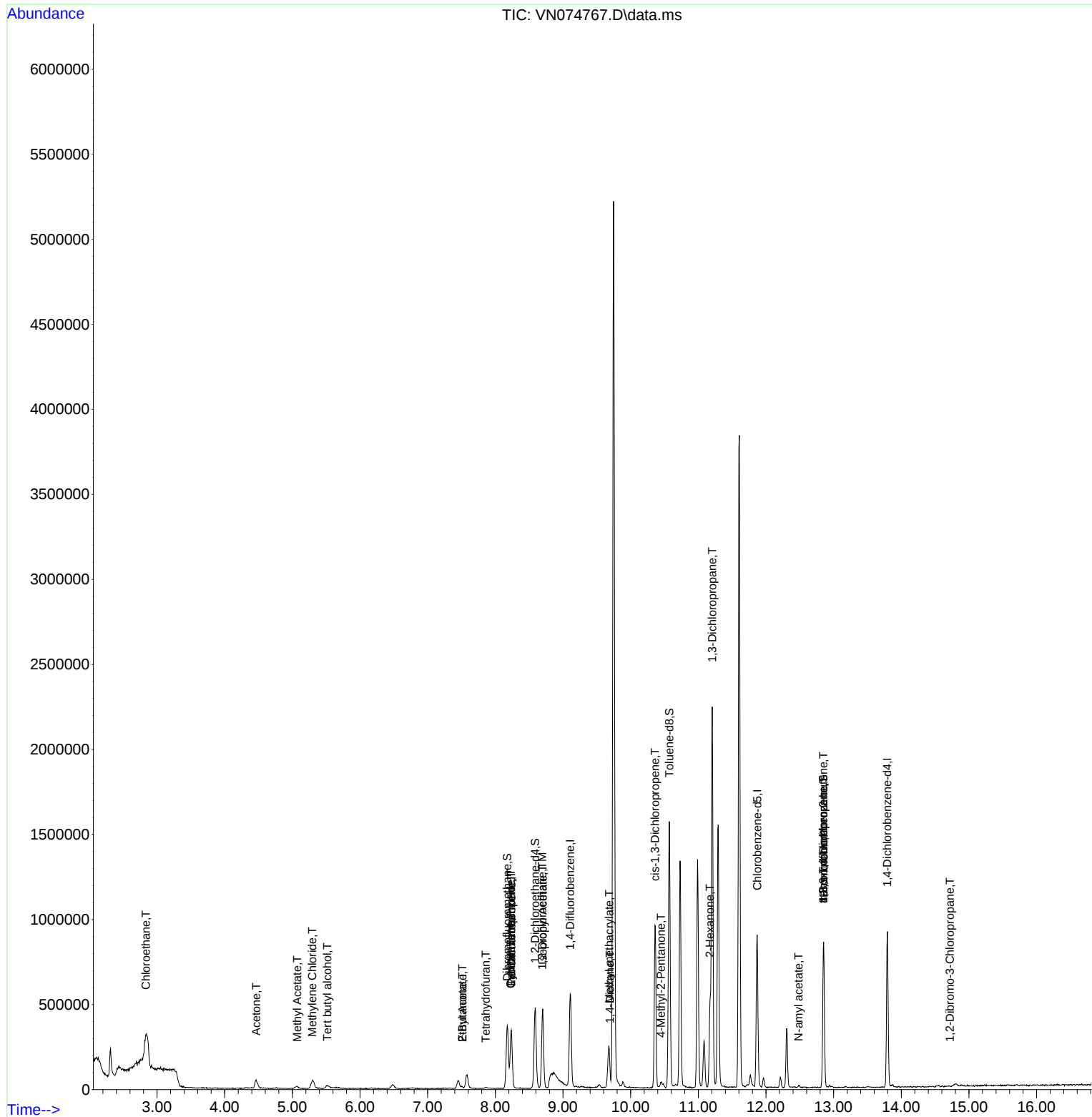
Internal Standards						
1) Pentafluorobenzene	8.235	168	241199	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	480731	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	494112	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	221426	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	344675	60.311	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.620%			
35) Dibromofluoromethane	8.177	113	260992	53.734	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.460%			
50) Toluene-d8	10.571	98	1042649	50.028	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.060%			
62) 4-Bromofluorobenzene	12.847	95	274307	43.297	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 86.600%			
Target Compounds						Qvalue
6) Chloroethane	2.836	64	275407	40.868	ug/l #	49
11) Tert butyl alcohol	5.518	59	8130	4.247	ug/l #	74
13) Acrolein	4.189	56	222	Below Cal	#	56
16) Acetone	4.465	43	91496	28.251	ug/l	97
18) Methyl Acetate	5.071	43	24816	2.070	ug/l #	52
20) Methylene Chloride	5.294	84	36295	5.048	ug/l	96
25) 2-Butanone	7.512	43	11048	1.880	ug/l	93
29) Tetrahydrofuran	7.859	42	6119	1.494	ug/l #	57
31) Cyclohexane	8.229	56	7821	0.792	ug/l #	69
36) 1,1-Dichloropropene	8.235	75	22289	2.835	ug/l #	49
37) Ethyl Acetate	7.512	43	11048	0.350	ug/l #	86
38) Carbon Tetrachloride	8.229	117	25855	3.487	ug/l #	15
42) 1,2-Dichloroethane	8.694	62	3500	0.438	ug/l	90
43) Isopropyl Acetate	8.700	43	541762	27.801	ug/l #	92
48) Methyl methacrylate	9.682	41	15986	1.998	ug/l #	91
49) 1,4-Dioxane	9.694	88	139	0.802	ug/l #	24
51) 4-Methyl-2-Pentanone	10.447	43	23884	1.903	ug/l	99
54) cis-1,3-Dichloropropene	10.359	75	167300	15.742	ug/l #	61
57) 1,3-Dichloropropane	11.206	76	23099	2.085	ug/l #	42
59) 2-Hexanone	11.170	43	417794	44.016	ug/l #	24
71) Bromoform	12.853	173	3402	0.807	ug/l #	1
74) N-amyl acetate	12.482	43	4827	0.375	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	12.941	83	67	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.847	75	162736	24.624	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	162736	47.976	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	14.717	75	453	0.256	ug/l #	3
96) 1,2,3-Trichlorobenzene	15.735	180	60	Below Cal	#	12

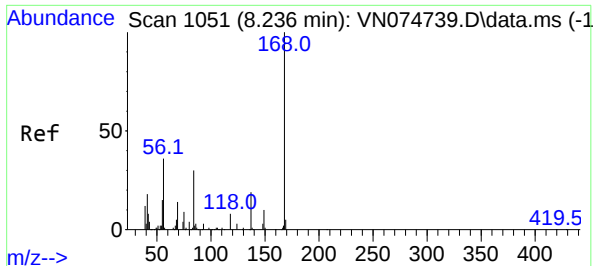
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 06 05:37:50 2022
Response via : Initial Calibration

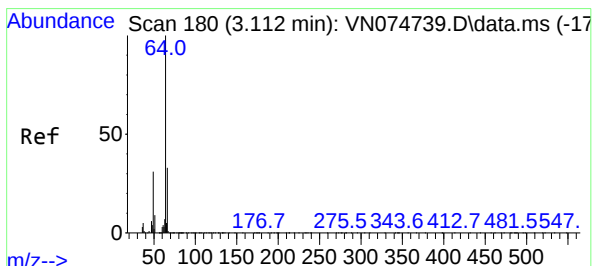
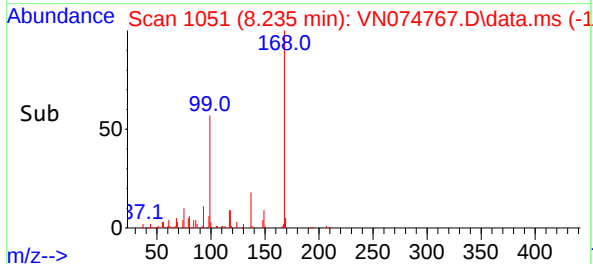
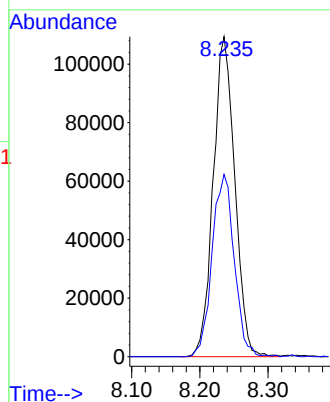
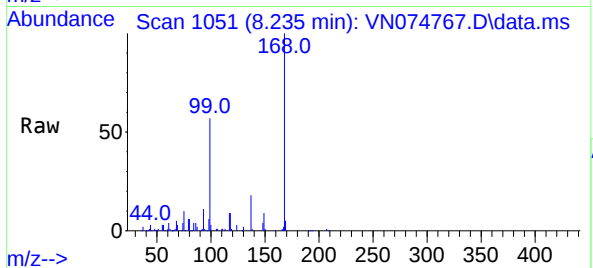




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.001 min
Lab File: VN074767.D
Acq: 06 Oct 2022 03:16

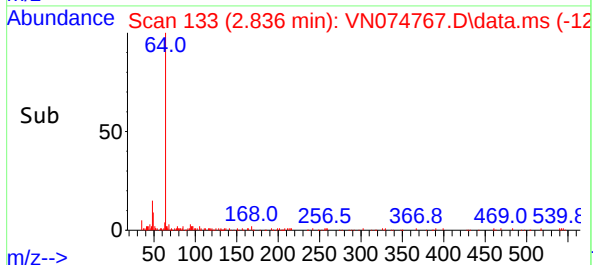
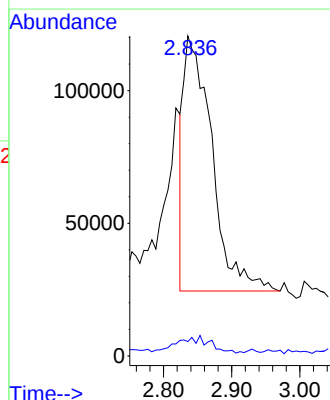
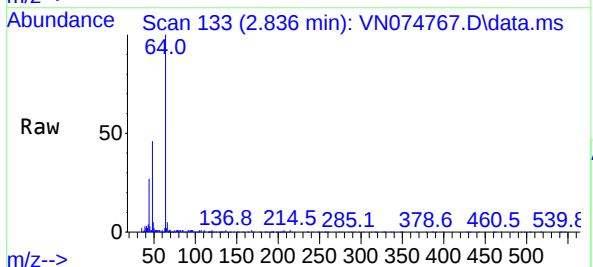
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#04

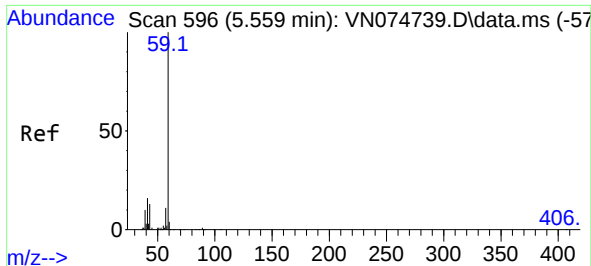
Tgt Ion:168 Resp: 241199
Ion Ratio Lower Upper
168 100
99 56.9 42.8 64.2



#6
Chloroethane
Concen: 40.868 ug/l
RT: 2.836 min Scan# 133
Delta R.T. -0.277 min
Lab File: VN074767.D
Acq: 06 Oct 2022 03:16

Tgt Ion: 64 Resp: 275407
Ion Ratio Lower Upper
64 100
66 3.4 25.1 37.7#

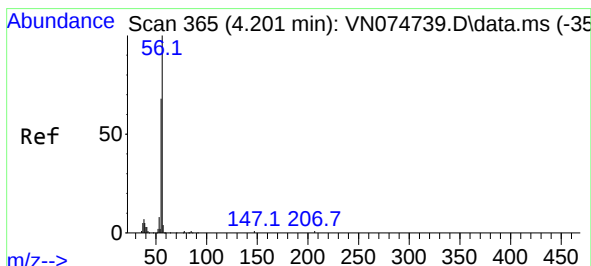
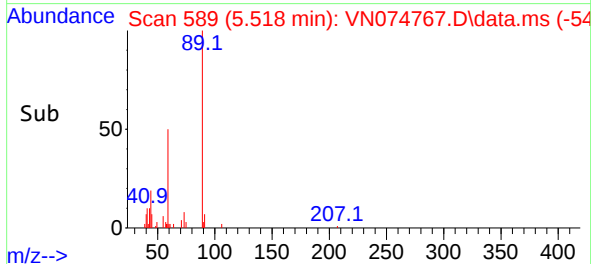
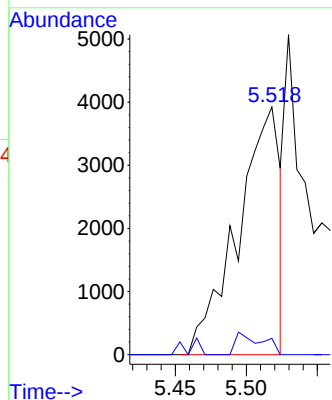
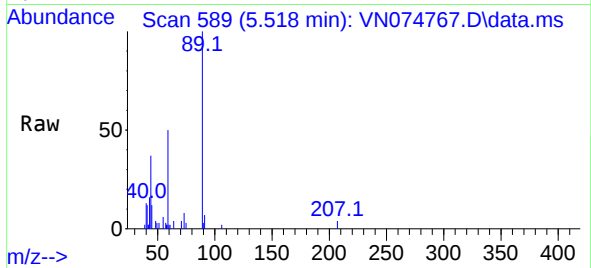




#11
Tert butyl alcohol
Concen: 4.247 ug/l
RT: 5.518 min Scan# 51
Delta R.T. -0.041 min
Lab File: VN074767.D
Acq: 06 Oct 2022 03:16

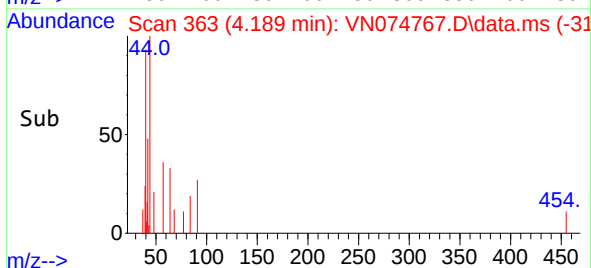
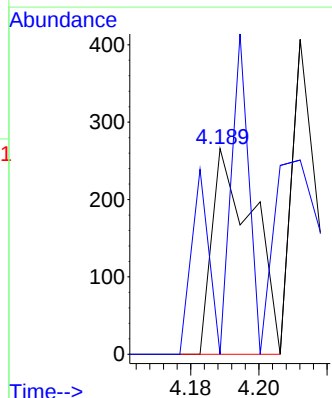
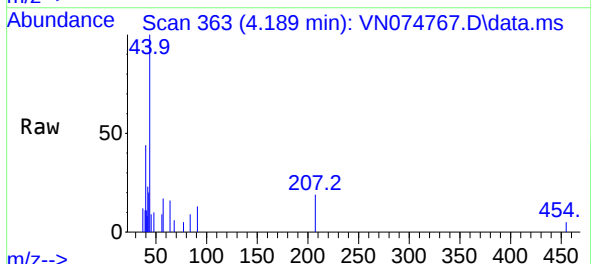
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#04

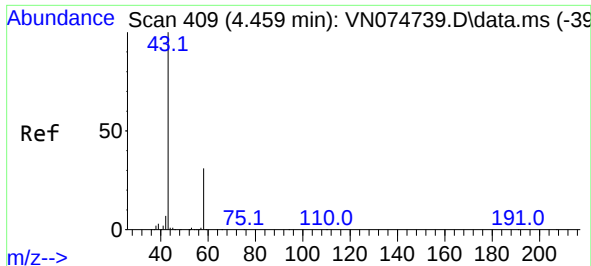
Tgt Ion: 59 Resp: 8130
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 363
Delta R.T. -0.012 min
Lab File: VN074767.D
Acq: 06 Oct 2022 03:16

Tgt Ion: 56 Resp: 222
Ion Ratio Lower Upper
56 100
55 104.1 54.9 82.3#

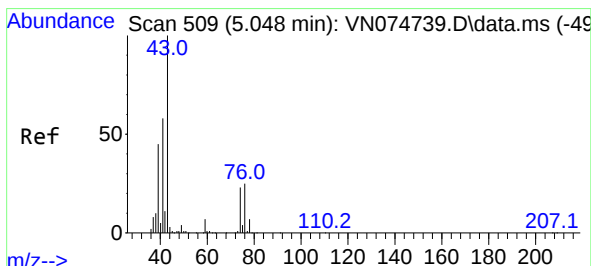
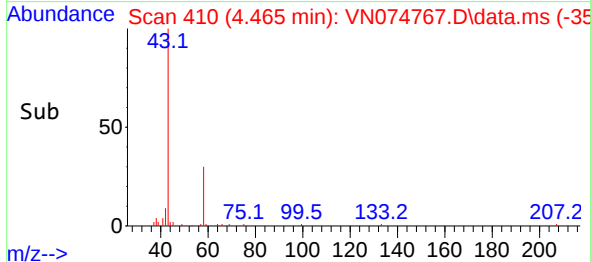
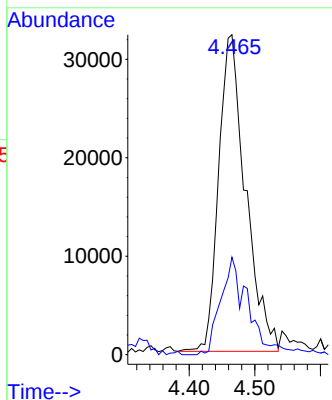
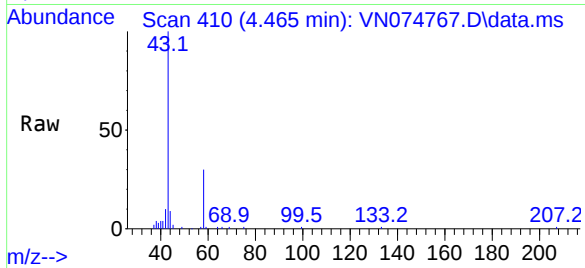




#16
Acetone
Concen: 28.251 ug/l
RT: 4.465 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN074767.D
Acq: 06 Oct 2022 03:16

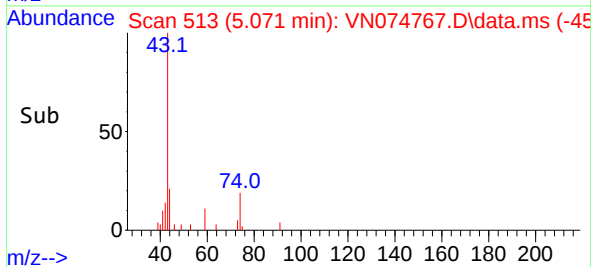
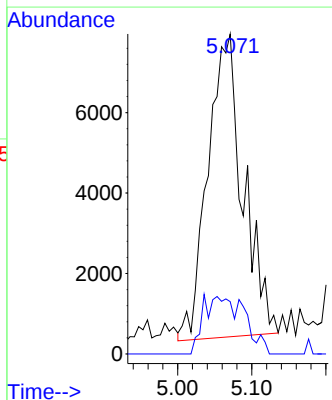
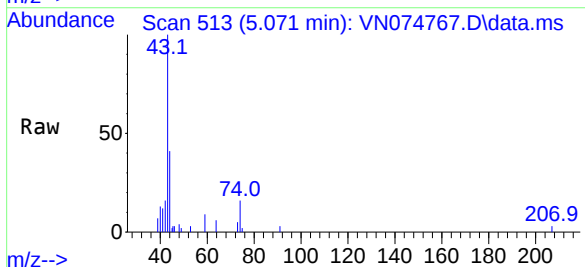
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#04

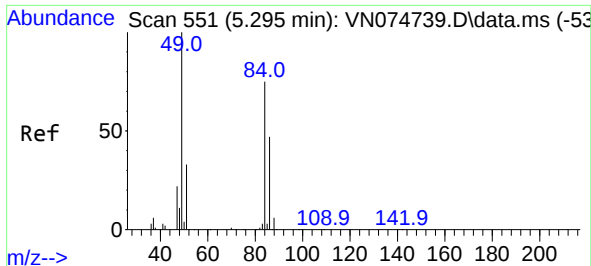
Tgt Ion: 43 Resp: 91496
Ion Ratio Lower Upper
43 100
58 29.7 24.9 37.3



#18
Methyl Acetate
Concen: 2.070 ug/l
RT: 5.071 min Scan# 513
Delta R.T. 0.023 min
Lab File: VN074767.D
Acq: 06 Oct 2022 03:16

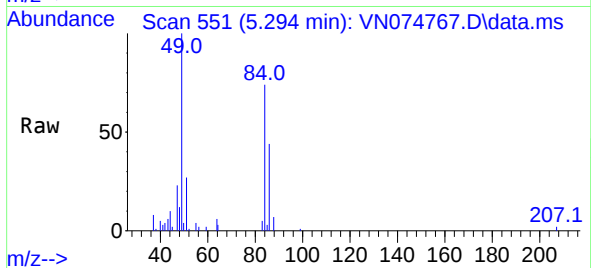
Tgt Ion: 43 Resp: 24816
Ion Ratio Lower Upper
43 100
74 0.0 18.5 27.7#





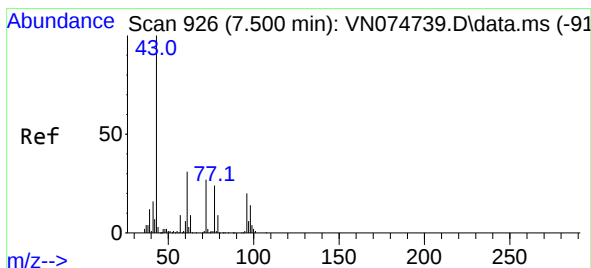
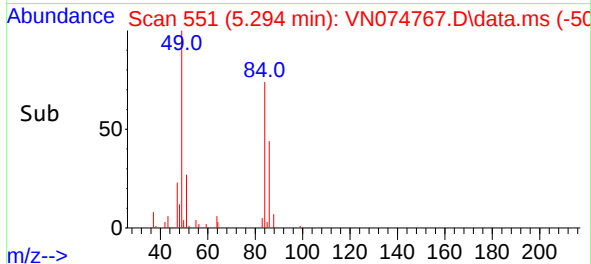
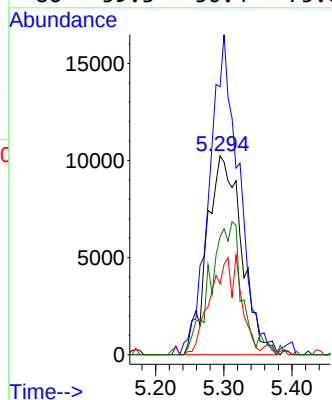
#20
Methylene Chloride
Concen: 5.048 ug/l
RT: 5.294 min Scan# 51
Delta R.T. -0.001 min
Lab File: VN074767.D
Acq: 06 Oct 2022 03:16

Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#04



Tgt Ion: 84 Resp: 36295

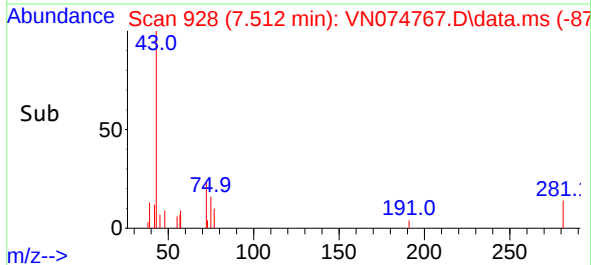
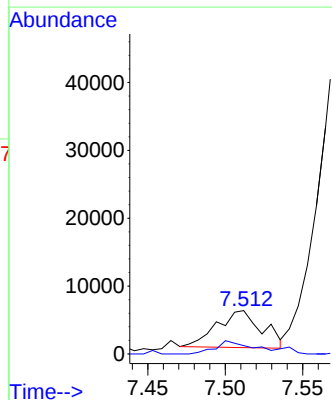
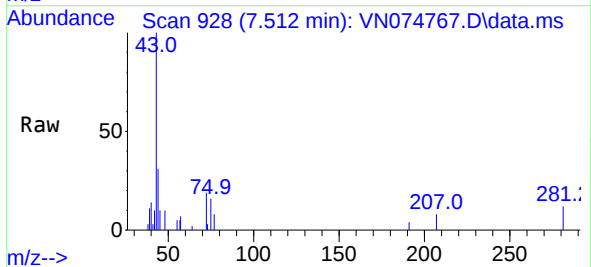
Ion	Ratio	Lower	Upper
84	100		
49	134.8	107.4	161.0
51	35.7	35.1	52.7
86	59.3	50.4	75.6

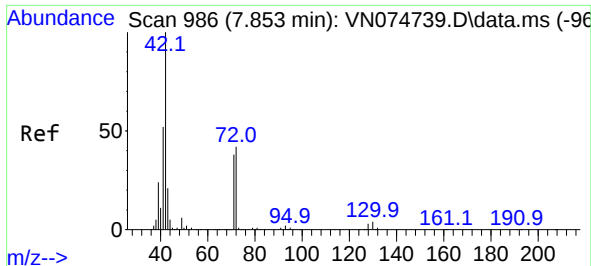


#25
2-Butanone
Concen: 1.880 ug/l
RT: 7.512 min Scan# 928
Delta R.T. 0.012 min
Lab File: VN074767.D
Acq: 06 Oct 2022 03:16

Tgt Ion: 43 Resp: 11048

Ion	Ratio	Lower	Upper
43	100		
72	23.2	21.4	32.0

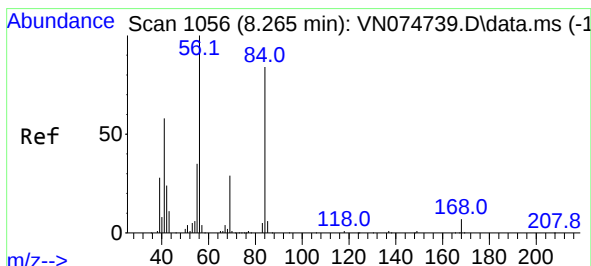
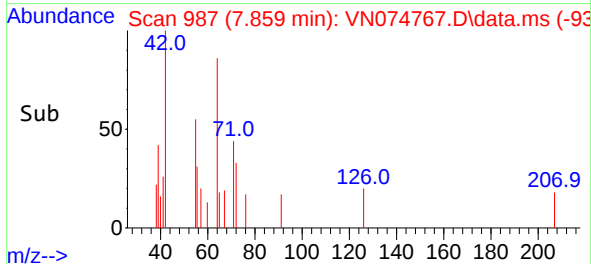
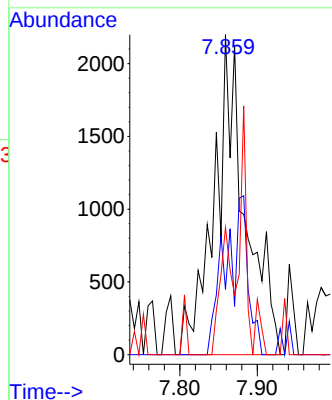
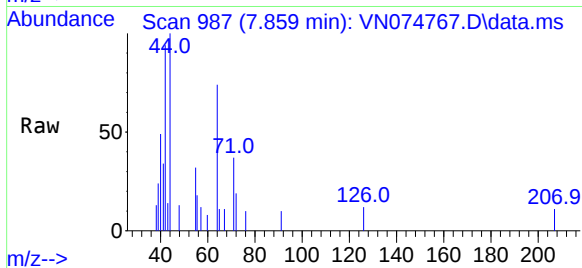




#29
Tetrahydrofuran
Concen: 1.494 ug/l
RT: 7.859 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN074767.D
Acq: 06 Oct 2022 03:16

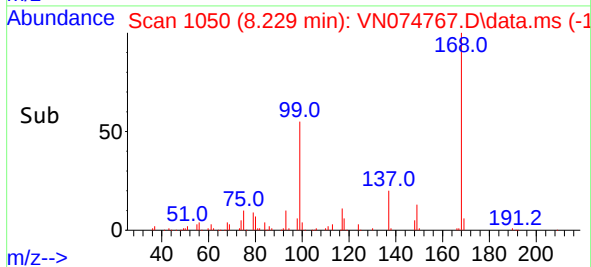
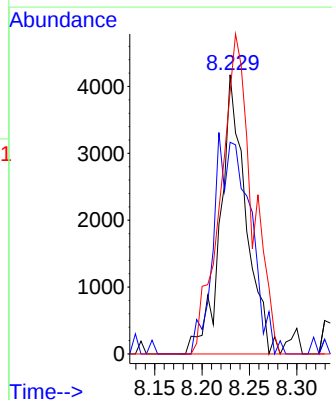
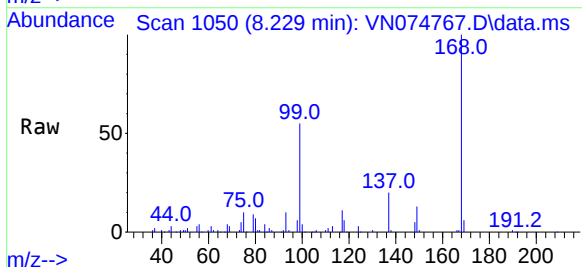
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MSVOA_N
ClientSampleId :
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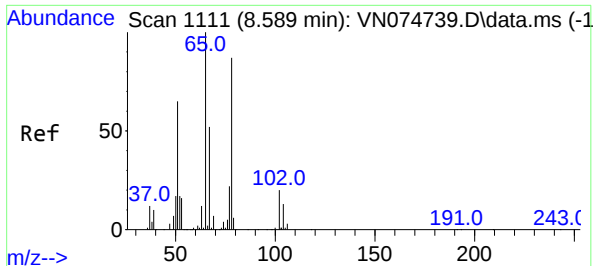
Tgt Ion: 42 Resp: 6119
Ion Ratio Lower Upper
42 100
72 11.1 33.0 49.6#
71 15.7 30.4 45.6#



#31
Cyclohexane
Concen: 0.792 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.036 min
Lab File: VN074767.D
Acq: 06 Oct 2022 03:16

Tgt Ion: 56 Resp: 7821
Ion Ratio Lower Upper
56 100
69 75.8 23.1 34.7#
84 93.9 67.1 100.7

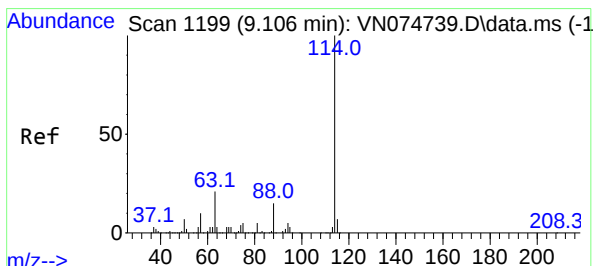
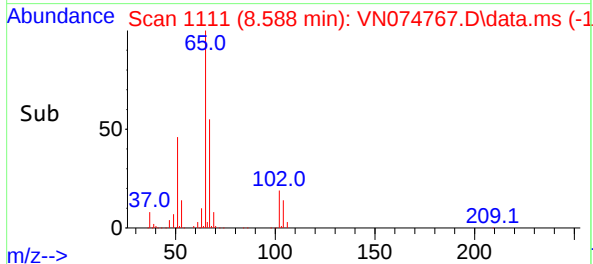
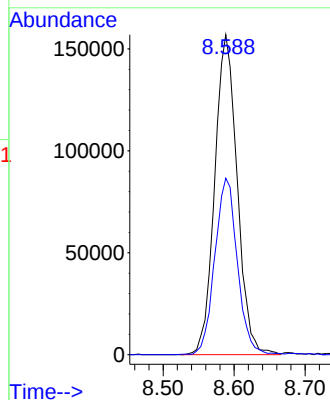
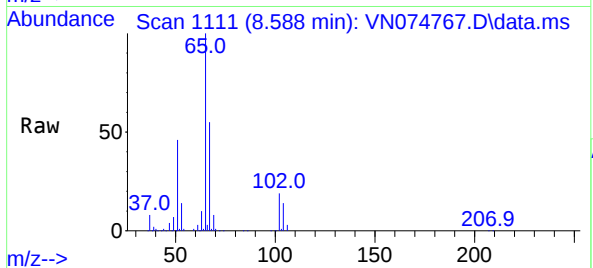




#33
1,2-Dichloroethane-d4
Concen: 60.311 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074767.D
Acq: 06 Oct 2022 03:16

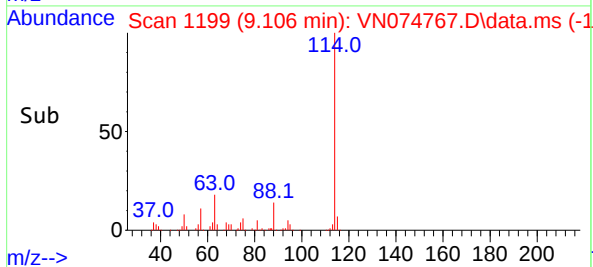
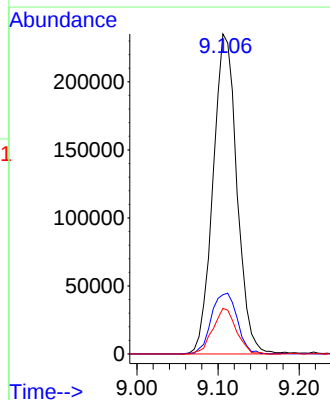
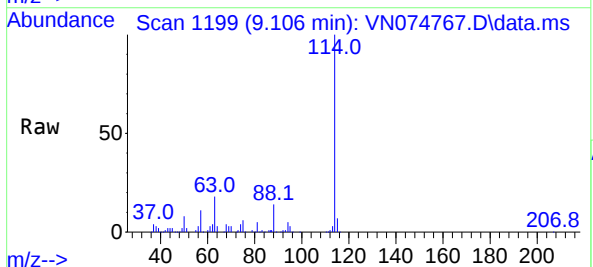
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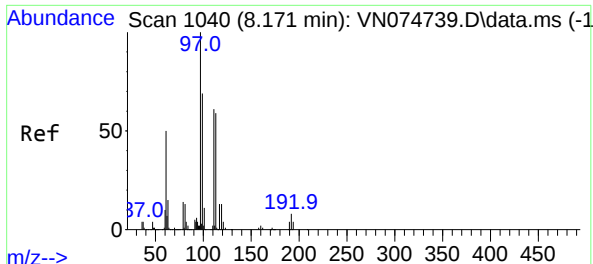
Tgt Ion: 65 Resp: 344675
Ion Ratio Lower Upper
65 100
67 55.3 0.0 109.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN074767.D
Acq: 06 Oct 2022 03:16

Tgt Ion: 114 Resp: 480731
Ion Ratio Lower Upper
114 100
63 18.5 0.0 41.2
88 14.3 0.0 30.2

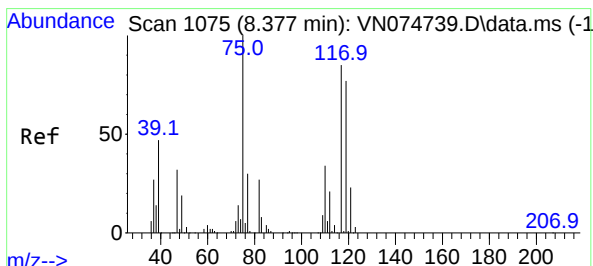
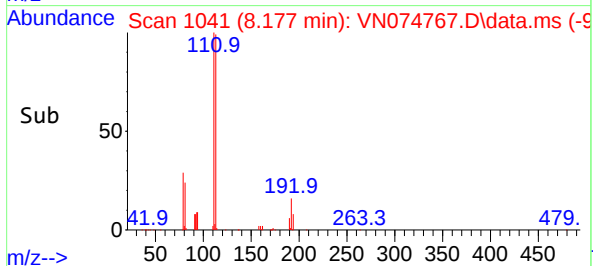
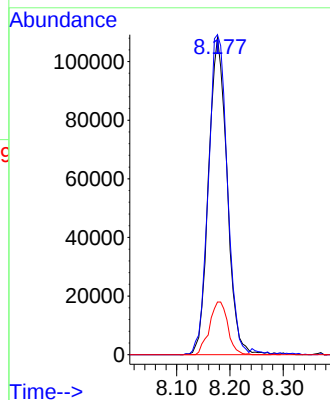
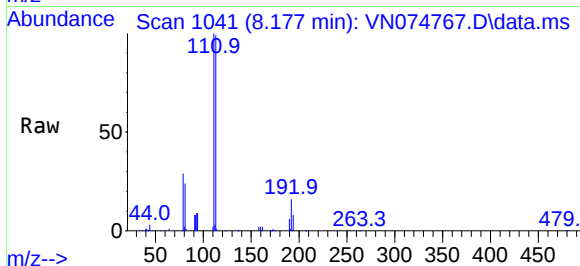




#35
Dibromofluoromethane
Concen: 53.734 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN074767.D
Acq: 06 Oct 2022 03:16

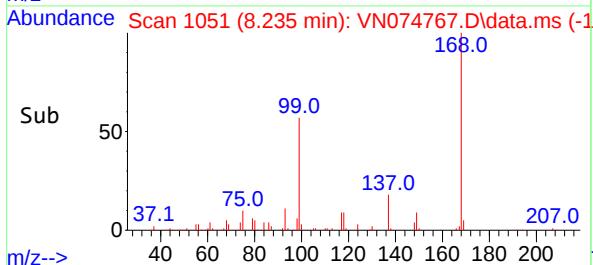
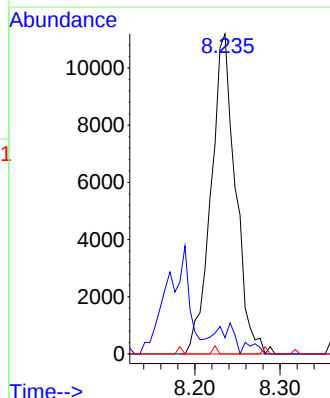
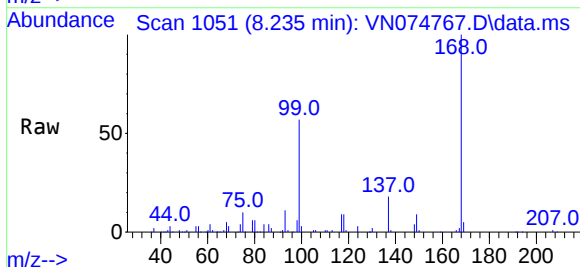
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#04

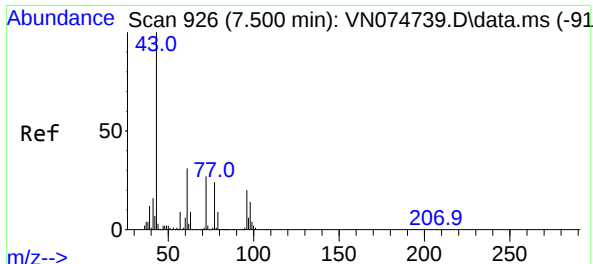
Tgt Ion:113 Resp: 260992
Ion Ratio Lower Upper
113 100
111 103.3 83.0 124.6
192 16.4 12.6 18.8



#36
1,1-Dichloropropene
Concen: 2.835 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN074767.D
Acq: 06 Oct 2022 03:16

Tgt Ion: 75 Resp: 22289
Ion Ratio Lower Upper
75 100
110 7.3 17.2 51.5#
77 0.5 24.3 36.5#

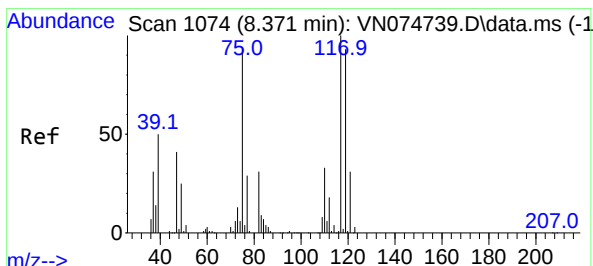
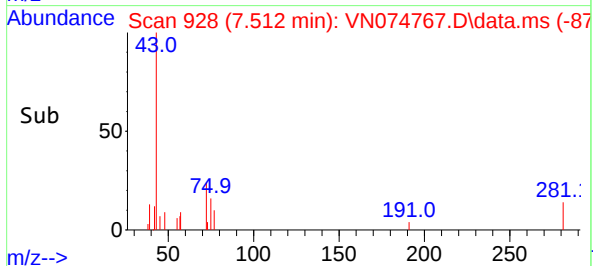
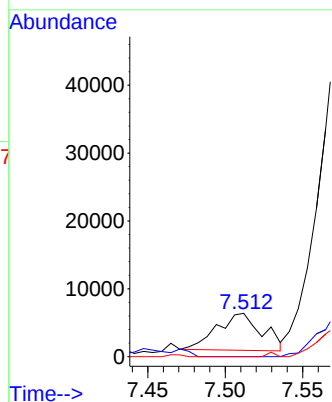
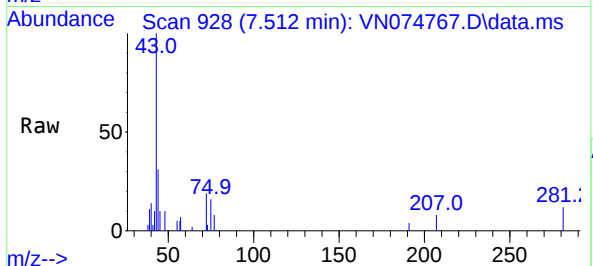




#37
Ethyl Acetate
Concen: 0.350 ug/l
RT: 7.512 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN074767.D
Acq: 06 Oct 2022 03:16

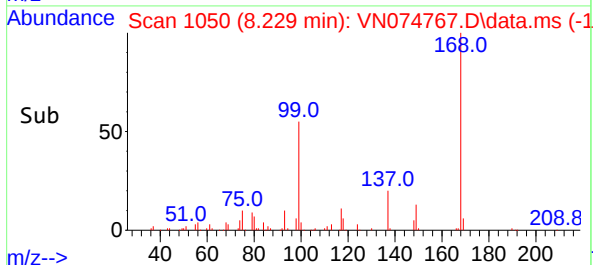
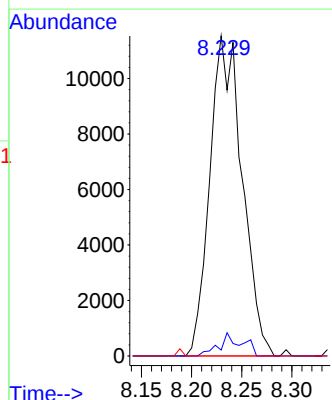
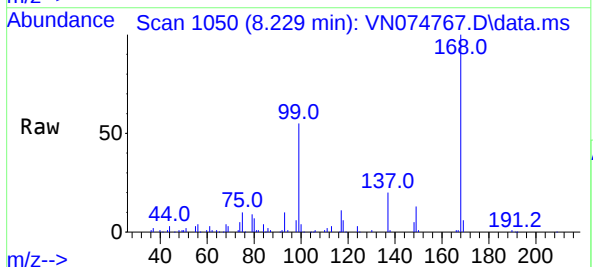
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#04

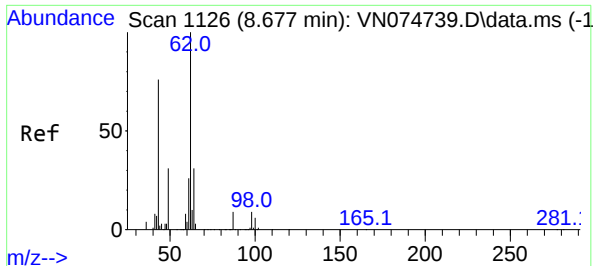
Tgt Ion: 43 Resp: 11048
Ion Ratio Lower Upper
43 100
61 0.0 4.3 6.5#
70 0.0 3.0 4.4#



#38
Carbon Tetrachloride
Concen: 3.487 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN074767.D
Acq: 06 Oct 2022 03:16

Tgt Ion: 117 Resp: 25855
Ion Ratio Lower Upper
117 100
119 1.9 74.3 111.5#
121 0.0 25.0 37.4#

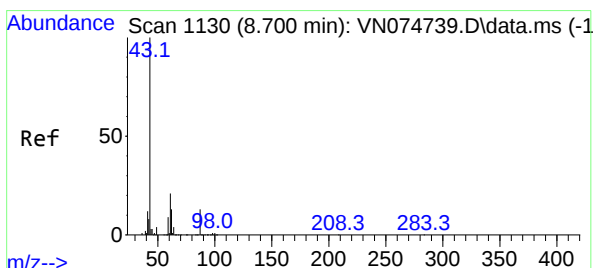
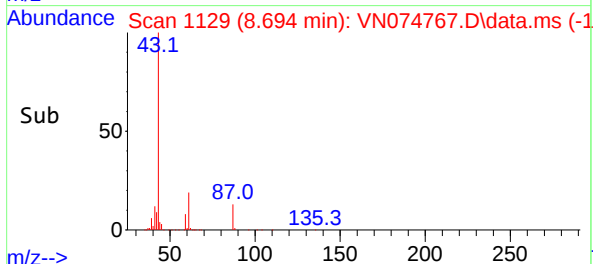
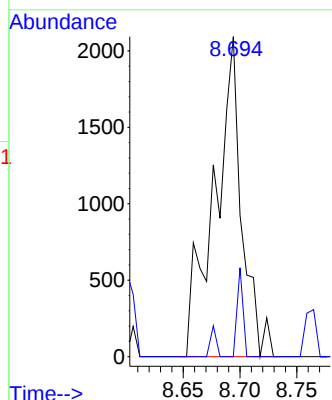
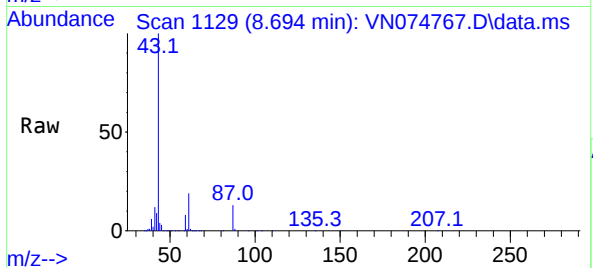




#42
1,2-Dichloroethane
Concen: 0.438 ug/l
RT: 8.694 min Scan# 1126
Delta R.T. 0.017 min
Lab File: VN074767.D
Acq: 06 Oct 2022 03:16

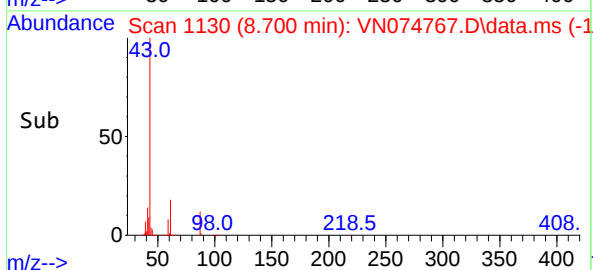
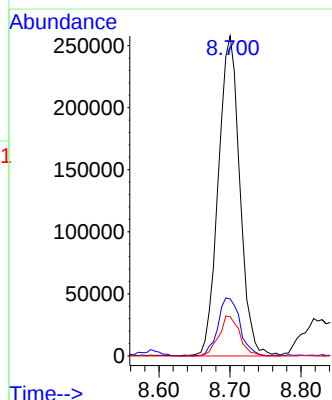
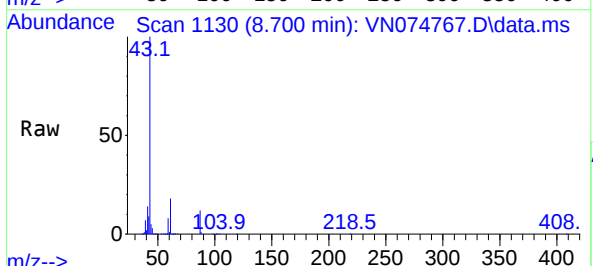
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#04

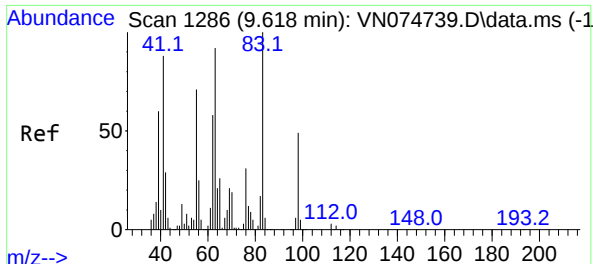
Tgt Ion: 62 Resp: 3500
Ion Ratio Lower Upper
62 100
98 5.9 0.0 19.4



#43
Isopropyl Acetate
Concen: 27.801 ug/l
RT: 8.700 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN074767.D
Acq: 06 Oct 2022 03:16

Tgt Ion: 43 Resp: 541762
Ion Ratio Lower Upper
43 100
61 18.7 19.4 29.0#
87 12.1 10.1 15.1





#48

Methyl methacrylate

Concen: 1.998 ug/l

RT: 9.682 min Scan# 1297

Delta R.T. 0.064 min

Lab File: VN074767.D

Acq: 06 Oct 2022 03:16

Instrument :

MSVOA_N

ClientSampleId :

PB148097ZHE#04

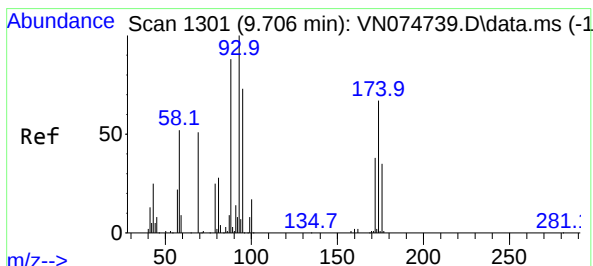
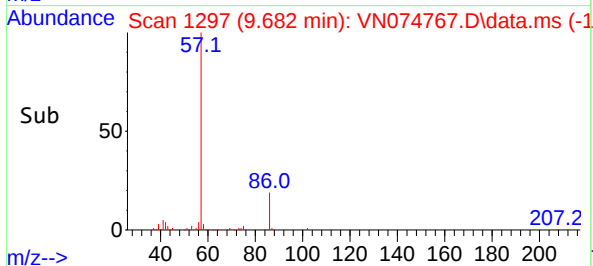
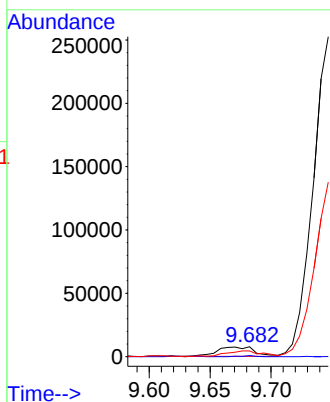
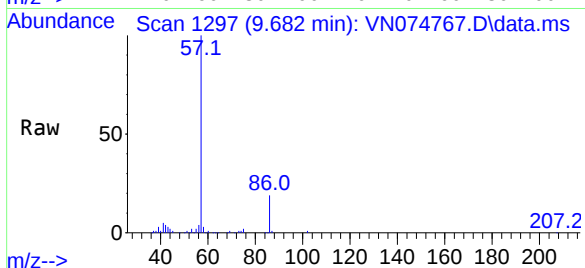
Tgt Ion: 41 Resp: 15986

Ion Ratio Lower Upper

41 100

69 3.8 0.0 0.0#

39 60.8 54.4 81.6



#49

1,4-Dioxane

Concen: 0.802 ug/l

RT: 9.694 min Scan# 1299

Delta R.T. -0.012 min

Lab File: VN074767.D

Acq: 06 Oct 2022 03:16

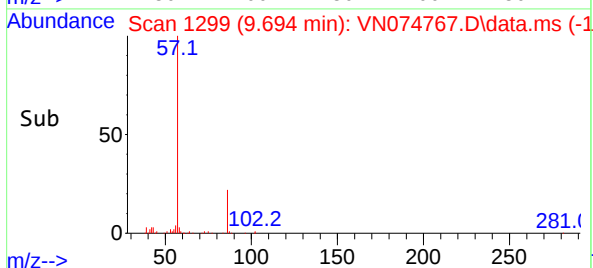
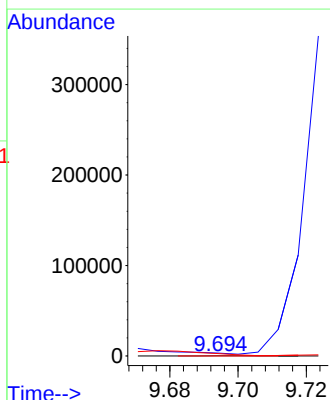
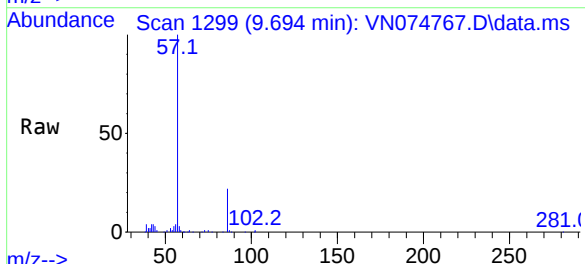
Tgt Ion: 88 Resp: 139

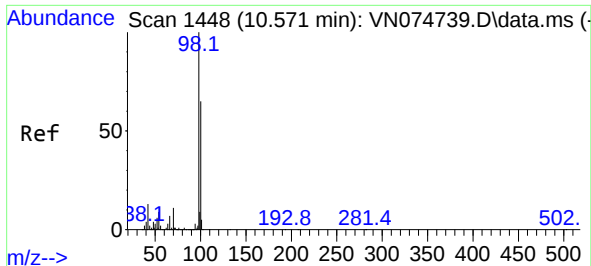
Ion Ratio Lower Upper

88 100

43 0.0 23.4 35.2#

58 0.0 54.9 82.3#

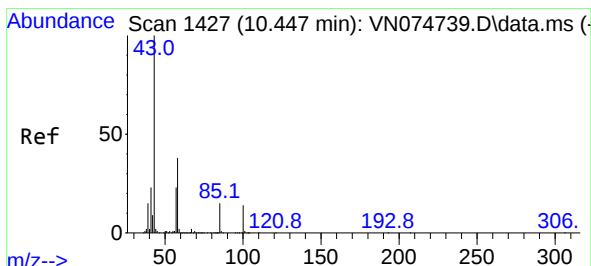
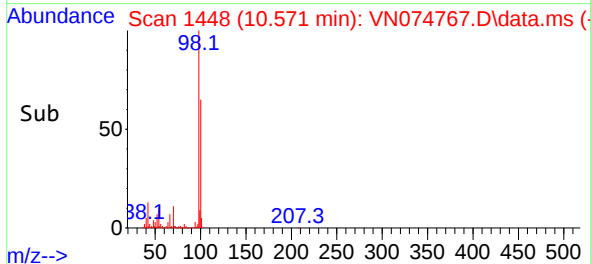
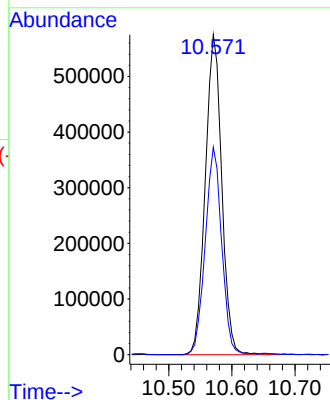
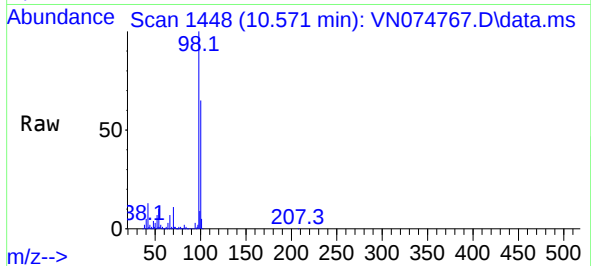




#50
Toluene-d8
Concen: 50.028 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074767.D
Acq: 06 Oct 2022 03:16

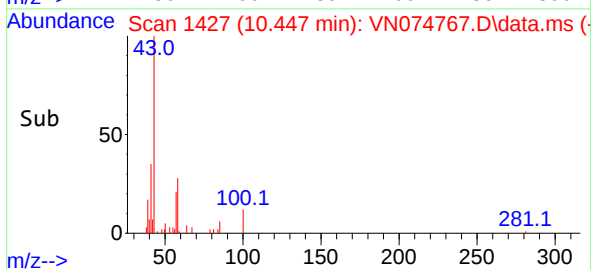
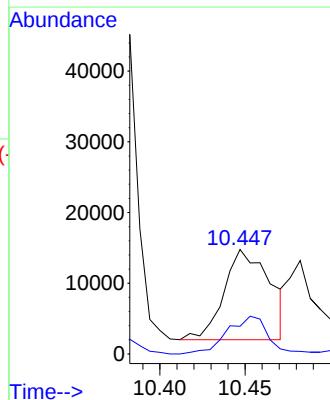
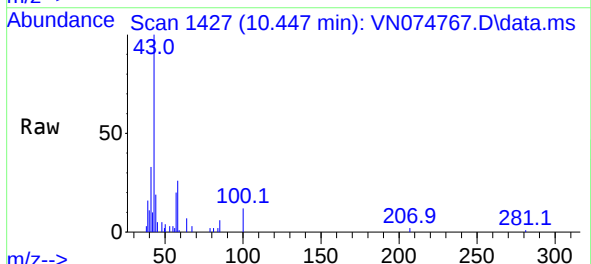
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#04

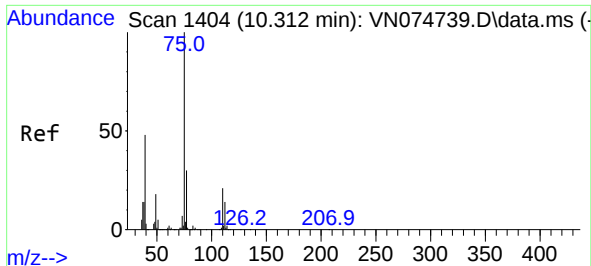
Tgt Ion: 98 Resp: 1042649
Ion Ratio Lower Upper
98 100
100 64.7 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 1.903 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN074767.D
Acq: 06 Oct 2022 03:16

Tgt Ion: 43 Resp: 23884
Ion Ratio Lower Upper
43 100
58 37.7 30.6 45.8

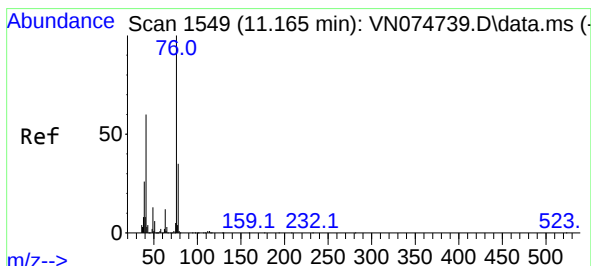
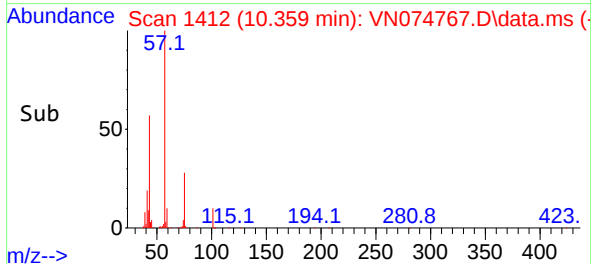
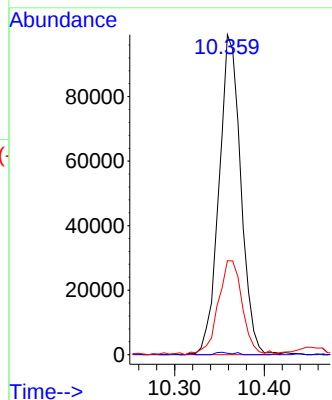
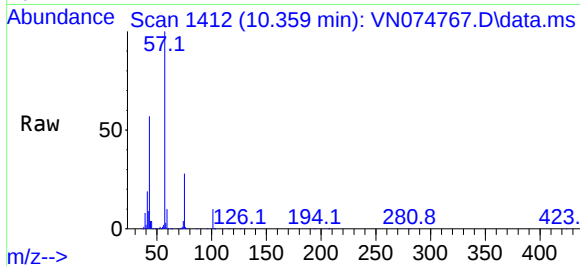




#54
cis-1,3-Dichloropropene
Concen: 15.742 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN074767.D
Acq: 06 Oct 2022 03:16

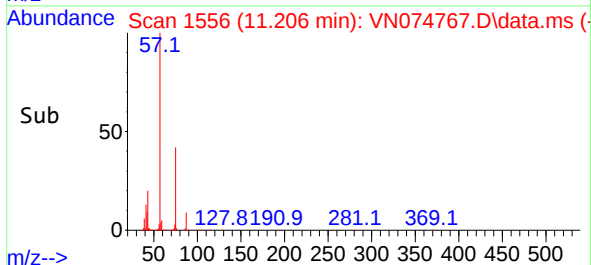
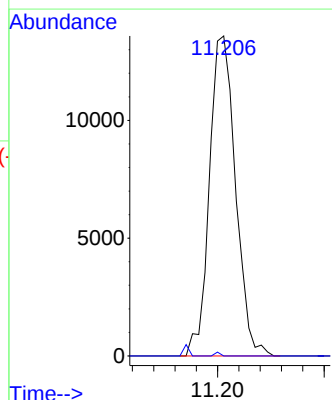
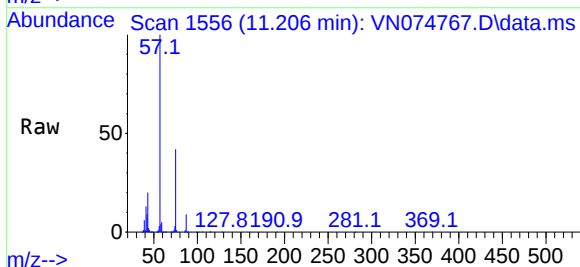
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#04

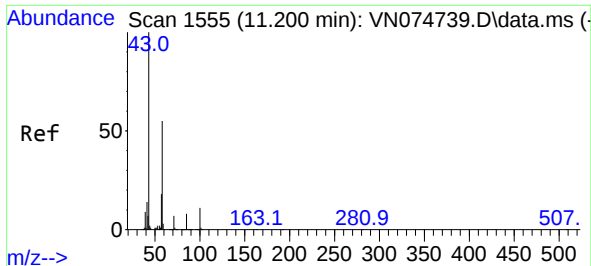
Tgt Ion: 75 Resp: 167300
Ion Ratio Lower Upper
75 100
77 0.4 24.4 36.6#
39 28.7 38.6 57.8#



#57
1,3-Dichloropropane
Concen: 2.085 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN074767.D
Acq: 06 Oct 2022 03:16

Tgt Ion: 76 Resp: 23099
Ion Ratio Lower Upper
76 100
78 0.3 26.2 39.2#

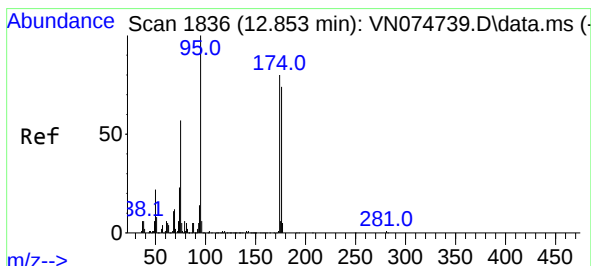
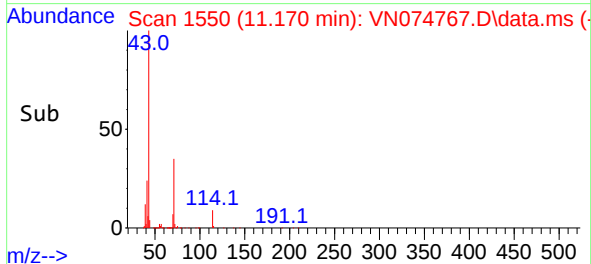
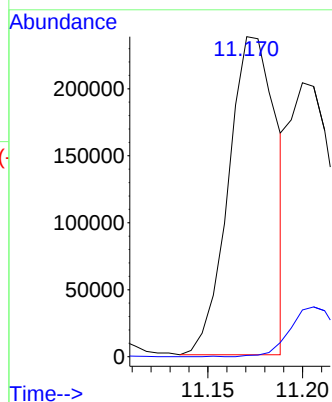
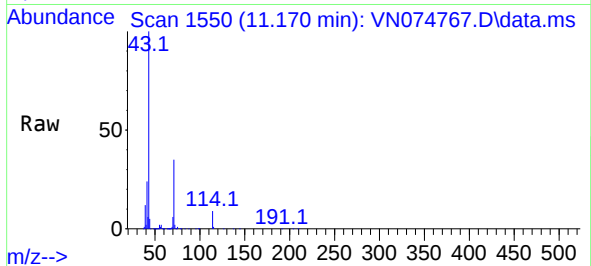




#59
2-Hexanone
Concen: 44.016 ug/l
RT: 11.170 min Scan# 11
Delta R.T. -0.030 min
Lab File: VN074767.D
Acq: 06 Oct 2022 03:16

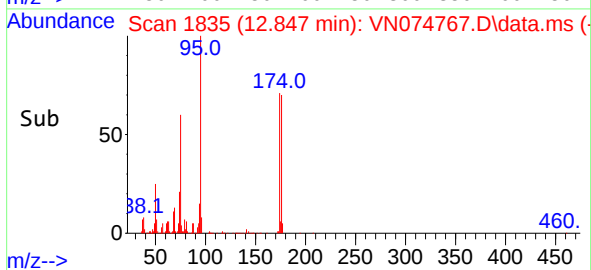
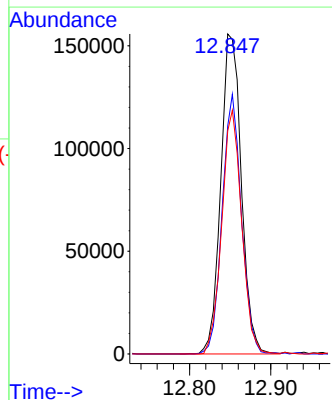
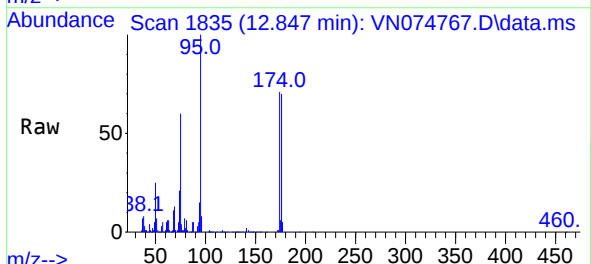
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#04

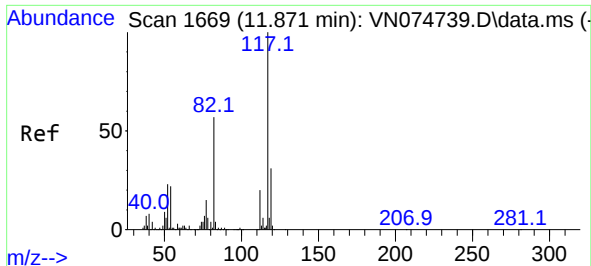
Tgt Ion: 43 Resp: 417794
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.9#



#62
4-Bromofluorobenzene
Concen: 43.297 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN074767.D
Acq: 06 Oct 2022 03:16

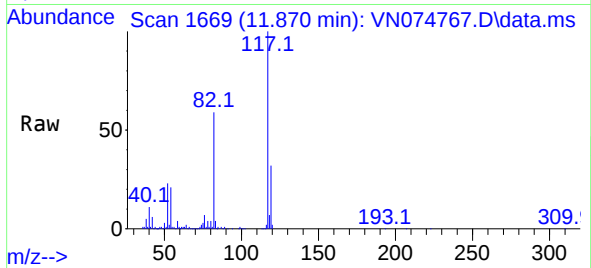
Tgt Ion: 95 Resp: 274307
Ion Ratio Lower Upper
95 100
174 76.2 0.0 149.4
176 73.6 0.0 142.0



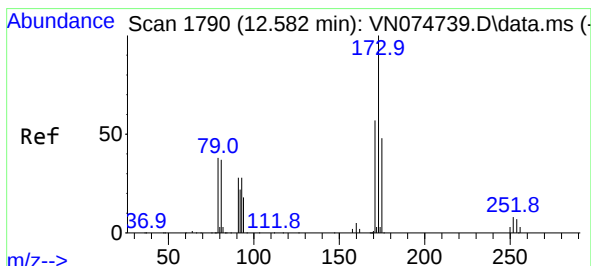
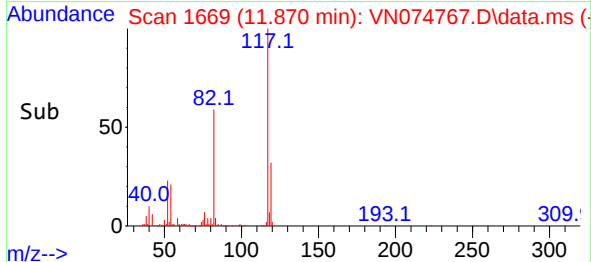
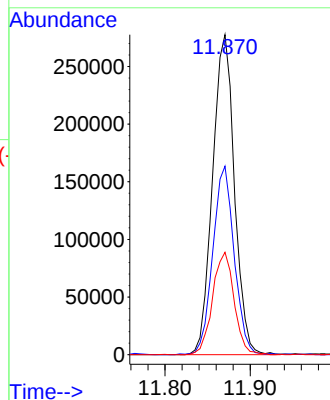


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN074767.D
Acq: 06 Oct 2022 03:16

Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#04

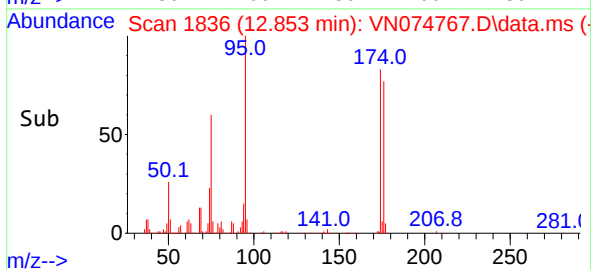
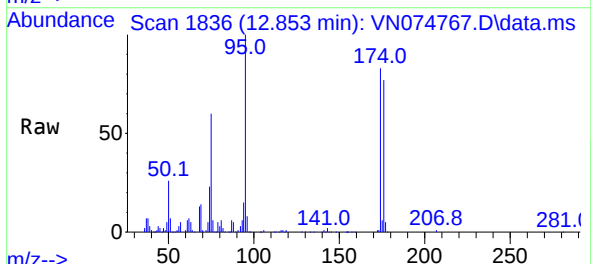
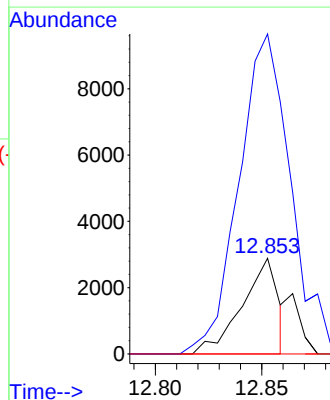


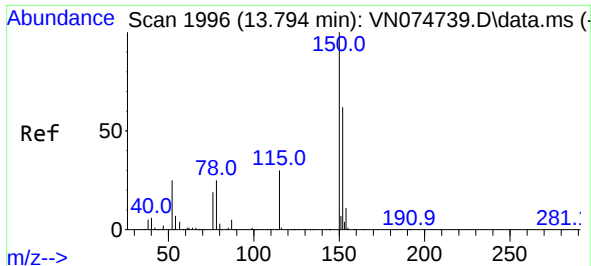
Tgt Ion:117 Resp: 494112
Ion Ratio Lower Upper
117 100
82 58.8 45.4 68.2
119 32.0 25.1 37.7



#71
Bromoform
Concen: 0.807 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.270 min
Lab File: VN074767.D
Acq: 06 Oct 2022 03:16

Tgt Ion:173 Resp: 3402
Ion Ratio Lower Upper
173 100
175 389.5 23.9 71.7#
254 0.0 0.1 0.1#

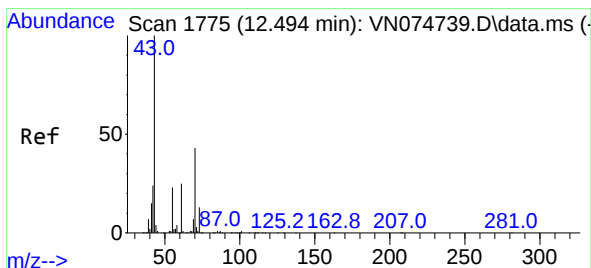
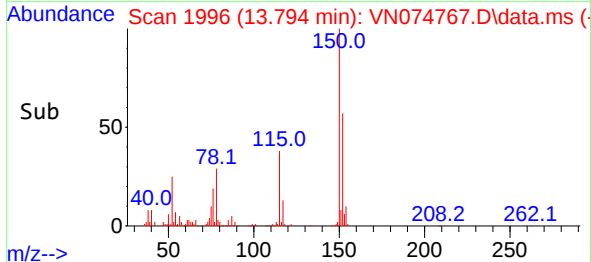
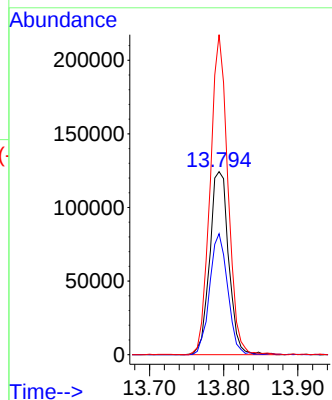
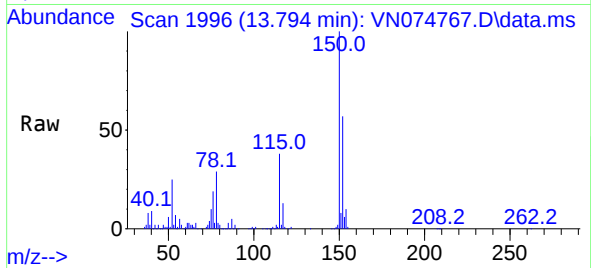




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074767.D
Acq: 06 Oct 2022 03:16

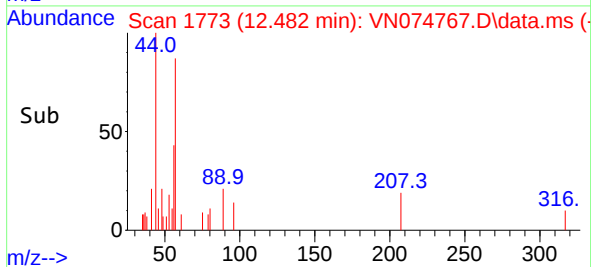
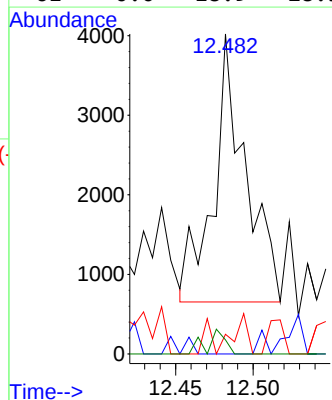
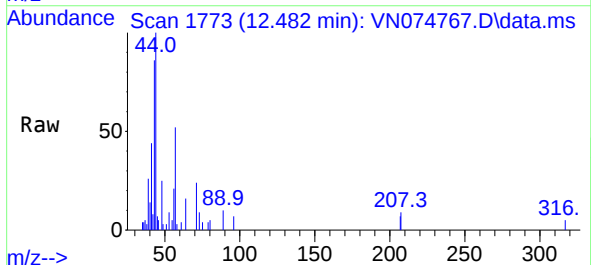
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#04

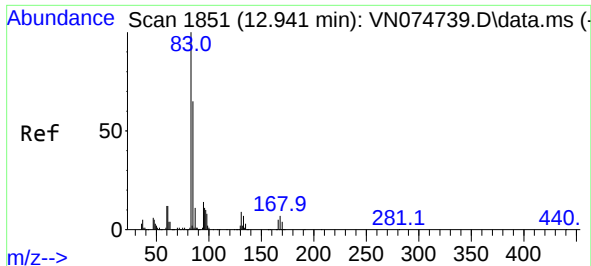
Tgt Ion:152 Resp: 221426
Ion Ratio Lower Upper
152 100
115 62.8 30.0 90.0
150 163.1 0.0 356.4



#74
N-ethyl acetate
Concen: 0.375 ug/l
RT: 12.482 min Scan# 1773
Delta R.T. -0.012 min
Lab File: VN074767.D
Acq: 06 Oct 2022 03:16

Tgt Ion: 43 Resp: 4827
Ion Ratio Lower Upper
43 100
70 0.0 32.9 49.3#
55 3.3 17.8 26.6#
61 0.0 18.9 28.3#

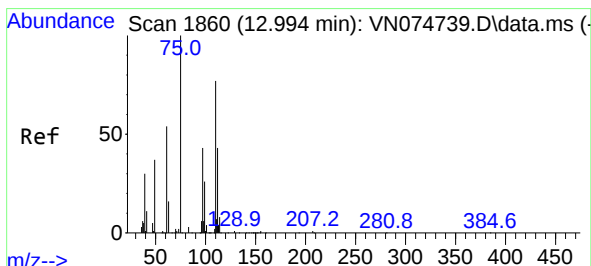
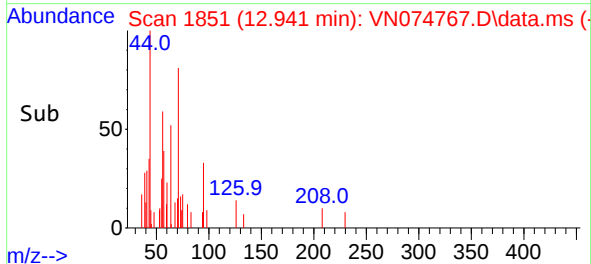
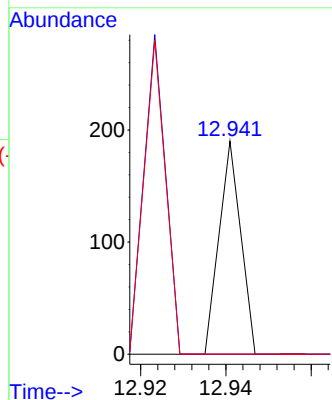
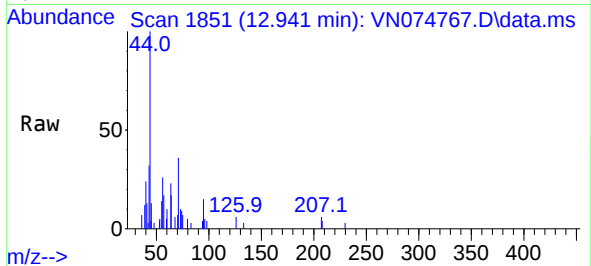




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.941 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VN074767.D
Acq: 06 Oct 2022 03:16

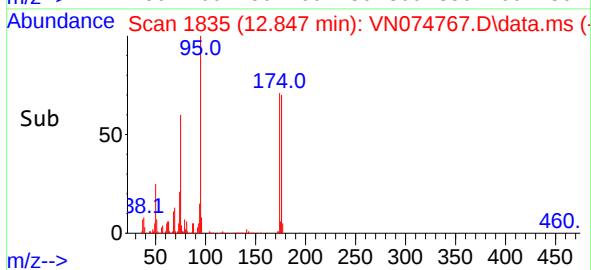
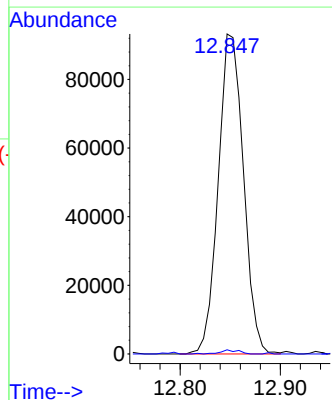
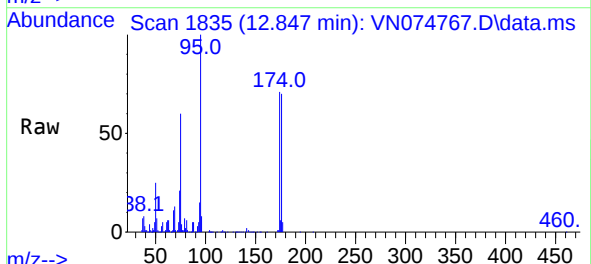
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#04

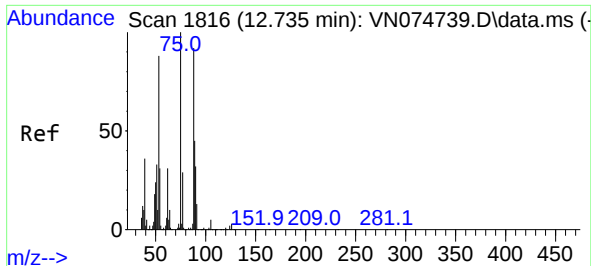
Tgt Ion: 83 Resp: 67
Ion Ratio Lower Upper
83 100
131 150.7 4.3 12.8#
85 147.8 32.9 98.6#



#76
1,2,3-Trichloropropane
Concen: 24.624 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN074767.D
Acq: 06 Oct 2022 03:16

Tgt Ion: 75 Resp: 162736
Ion Ratio Lower Upper
75 100
77 1.0 76.9 230.7#

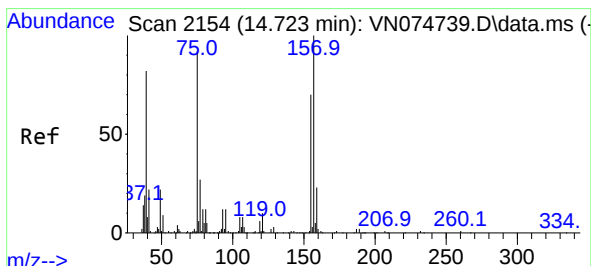
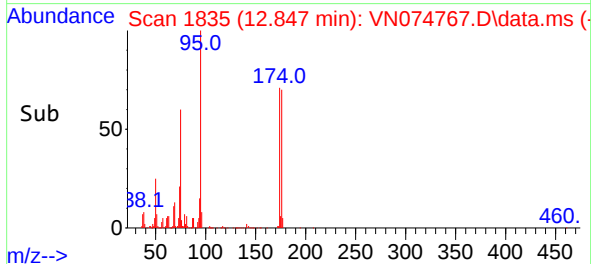
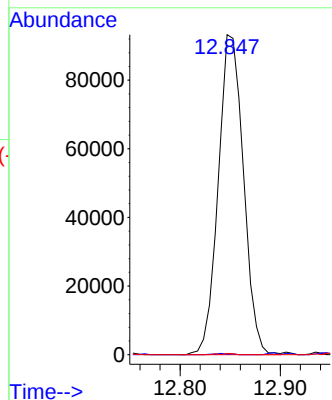
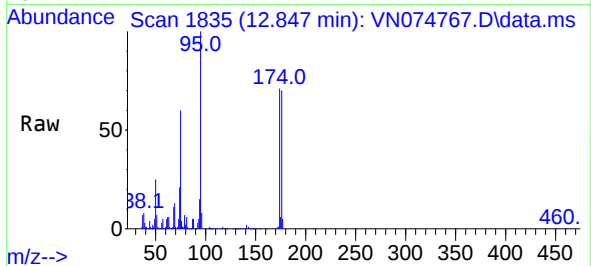




#81
trans-1,4-Dichloro-2-butene
Concen: 47.976 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN074767.D
Acq: 06 Oct 2022 03:16

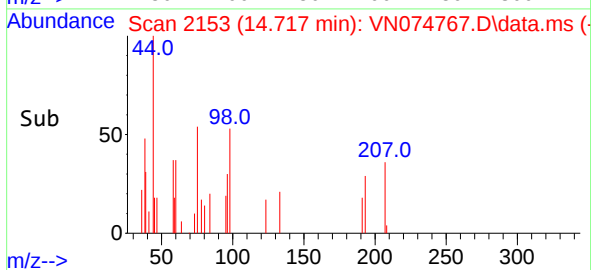
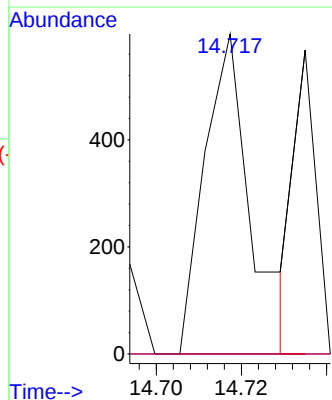
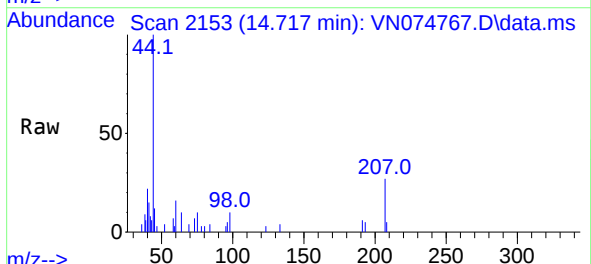
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#04

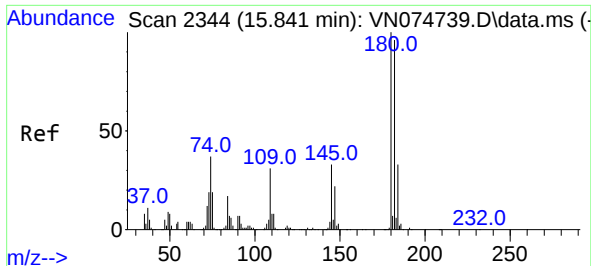
Tgt Ion: 75 Resp: 162736
Ion Ratio Lower Upper
75 100
53 0.2 71.4 107.0#
89 0.2 32.1 48.1#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.256 ug/l
RT: 14.717 min Scan# 2153
Delta R.T. -0.006 min
Lab File: VN074767.D
Acq: 06 Oct 2022 03:16

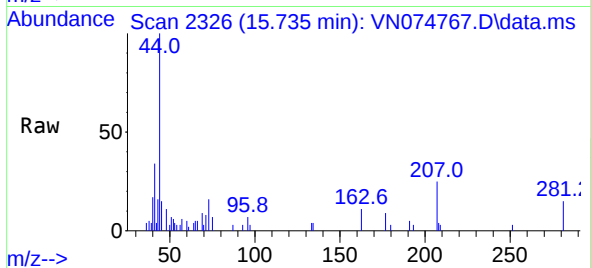
Tgt Ion: 75 Resp: 453
Ion Ratio Lower Upper
75 100
155 0.0 40.3 120.8#
157 0.0 51.3 153.9#





#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 15.735 min Scan# 21
 Delta R.T. -0.106 min
 Lab File: VN074767.D
 Acq: 06 Oct 2022 03:16

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148097ZHE#04



Tgt Ion:180 Resp: 60
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 142.0#
 145 0.0 17.1 51.2#

