

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110922\
 Data File : VN075224.D
 Acq On : 09 Nov 2022 17:53
 Operator : JC\MD
 Sample : PB148908ZHE#10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148908ZHE#10

Quant Time: Nov 10 02:45:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

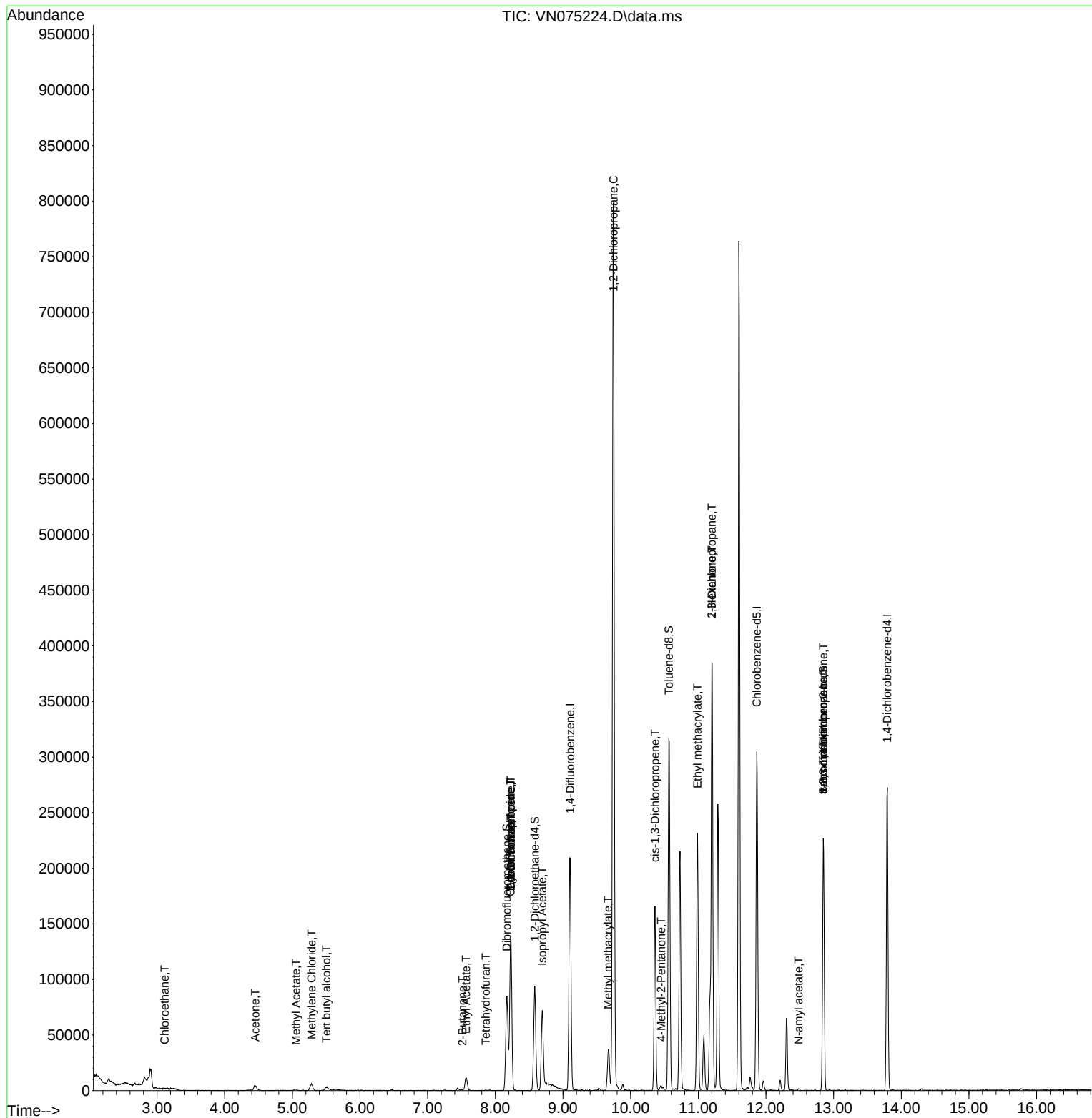
Internal Standards						
1) Pentafluorobenzene	8.229	168	99216	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	190906	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	180527	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	73267	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	73790	55.198	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.400%			
35) Dibromofluoromethane	8.171	113	60354	53.853	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.700%			
50) Toluene-d8	10.565	98	228893	52.642	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.280%			
62) 4-Bromofluorobenzene	12.847	95	79779	52.232	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.460%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.930	94	323	Below Cal	#	5
6) Chloroethane	3.112	64	492	0.351	ug/l #	45
11) Tert butyl alcohol	5.500	59	2994	9.604	ug/l #	72
16) Acetone	4.453	43	8969	15.845	ug/l	96
18) Methyl Acetate	5.053	43	2593	1.402	ug/l #	75
20) Methylene Chloride	5.283	84	4932	3.908	ug/l #	87
25) 2-Butanone	7.512	43	1379	1.549	ug/l #	43
29) Tetrahydrofuran	7.859	42	398	0.692	ug/l #	26
31) Cyclohexane	8.229	56	2218	1.116	ug/l #	20
36) 1,1-Dichloropropene	8.229	75	8407	4.845	ug/l #	44
37) Ethyl Acetate	7.565	43	17698	9.301	ug/l	99
38) Carbon Tetrachloride	8.224	117	10527	5.516	ug/l #	16
43) Isopropyl Acetate	8.694	43	80863	27.397	ug/l #	89
45) 1,2-Dichloropropane	9.747	63	1148	0.908	ug/l #	42
48) Methyl methacrylate	9.665	41	2323	1.716	ug/l #	32
51) 4-Methyl-2-Pentanone	10.453	43	2969	1.559	ug/l #	83
54) cis-1,3-Dichloropropene	10.359	75	32389	15.168	ug/l #	65
56) Ethyl methacrylate	10.988	69	771	0.359	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4799	2.047	ug/l #	42
59) 2-Hexanone	11.200	43	49506	34.247	ug/l #	51
71) Bromoform	12.847	173	741	0.692	ug/l #	1
74) N-amyl acetate	12.482	43	729	0.335	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	41808	26.875	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	41808	68.988	ug/l #	10

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

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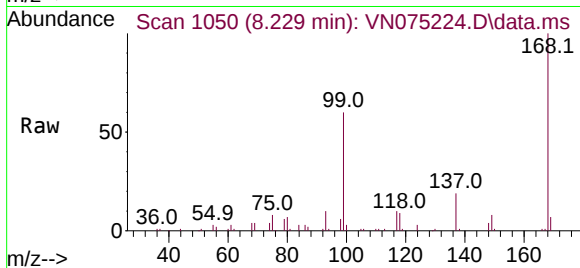
Quant Time: Nov 10 02:45:36 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 27 09:48:49 2022
Response via : Initial Calibration



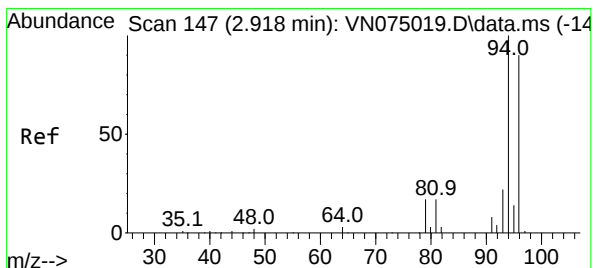
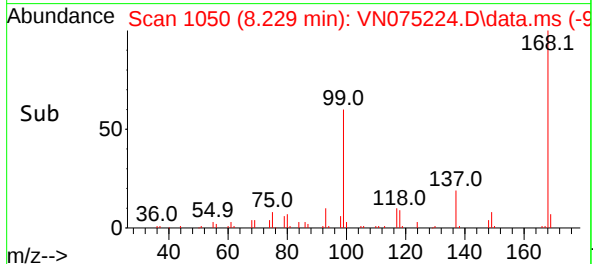
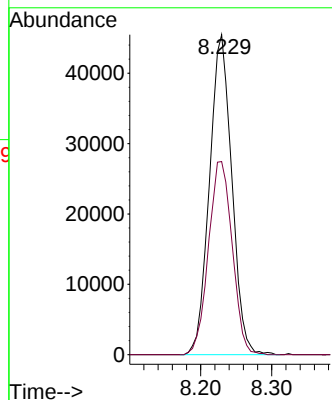


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.001 min
Lab File: VN075224.D
Acq: 09 Nov 2022 17:53

Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#10

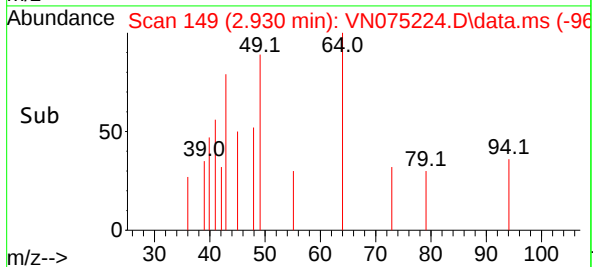
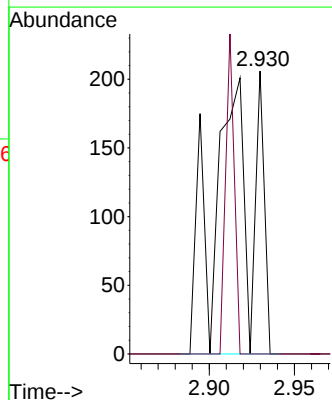
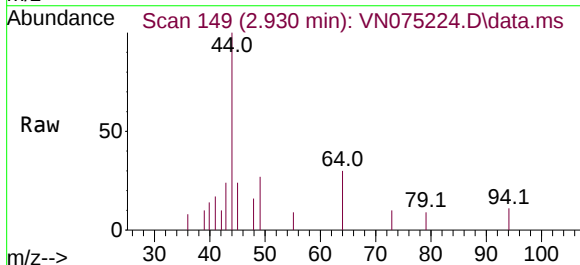


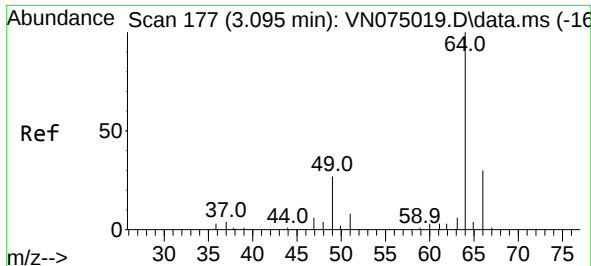
Tgt Ion:168 Resp: 99216
Ion Ratio Lower Upper
168 100
99 60.4 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.930 min Scan# 149
Delta R.T. 0.012 min
Lab File: VN075224.D
Acq: 09 Nov 2022 17:53

Tgt Ion: 94 Resp: 323
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#

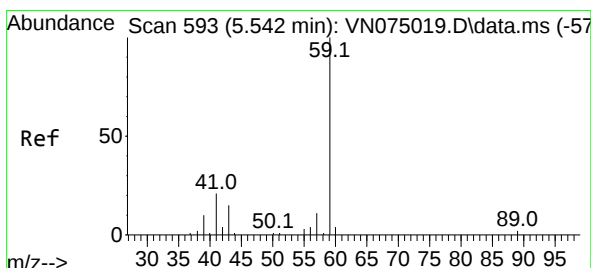
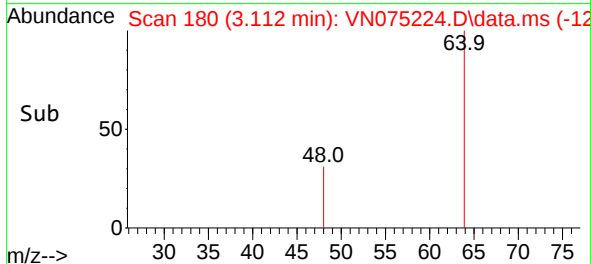
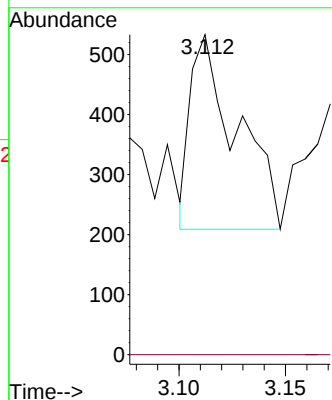
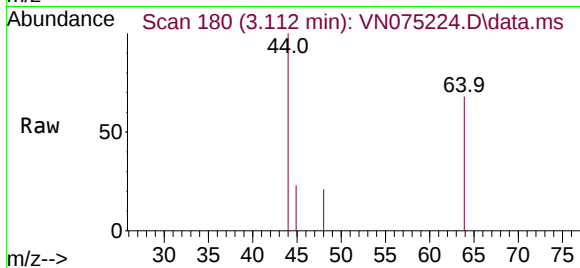




#6
Chloroethane
Concen: 0.351 ug/l
RT: 3.112 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN075224.D
Acq: 09 Nov 2022 17:53

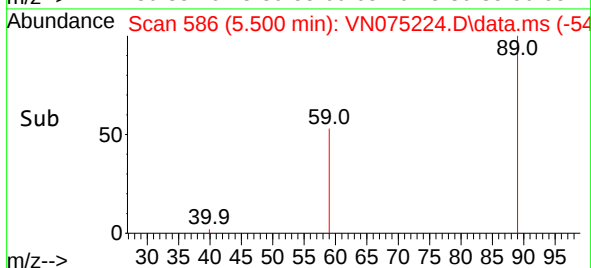
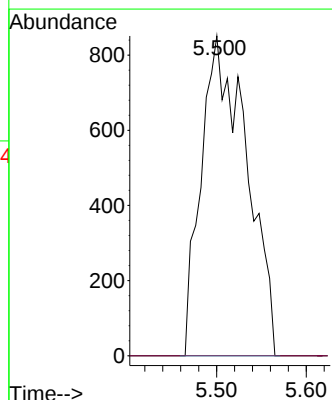
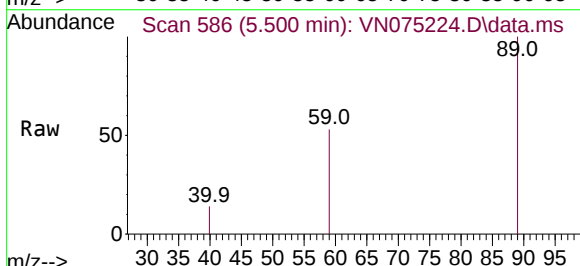
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#10

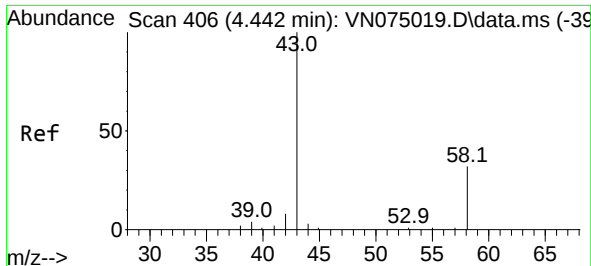
Tgt Ion: 64 Resp: 492
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 9.604 ug/l
RT: 5.500 min Scan# 586
Delta R.T. -0.042 min
Lab File: VN075224.D
Acq: 09 Nov 2022 17:53

Tgt Ion: 59 Resp: 2994
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

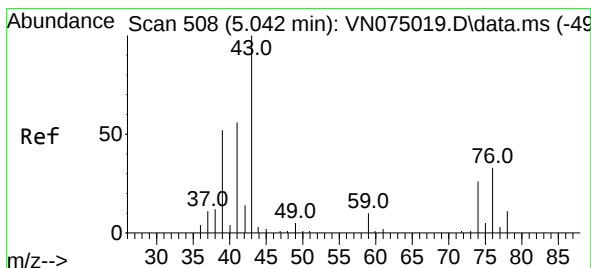
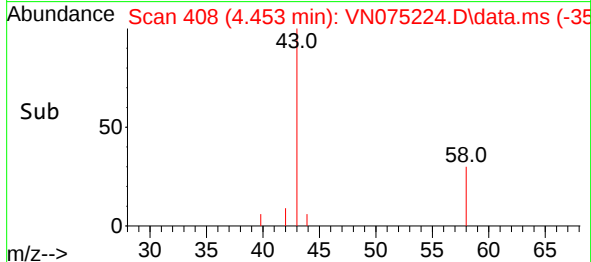
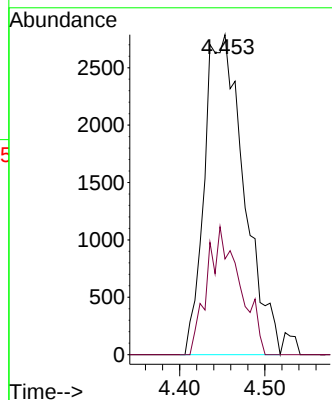
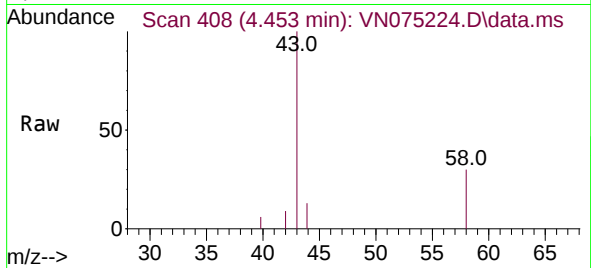




#16
Acetone
Concen: 15.845 ug/l
RT: 4.453 min Scan# 406
Delta R.T. 0.011 min
Lab File: VN075224.D
Acq: 09 Nov 2022 17:53

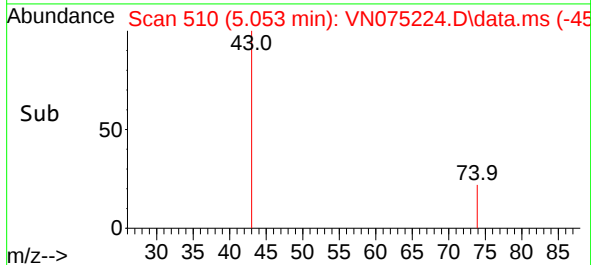
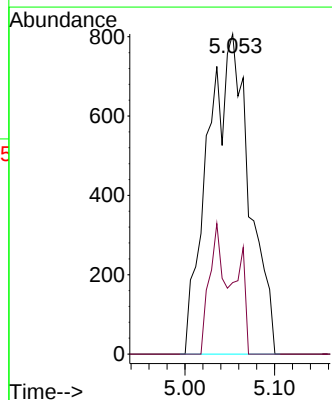
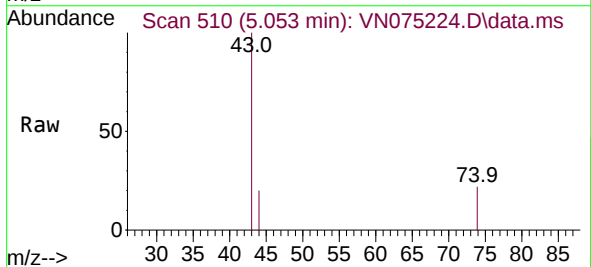
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#10

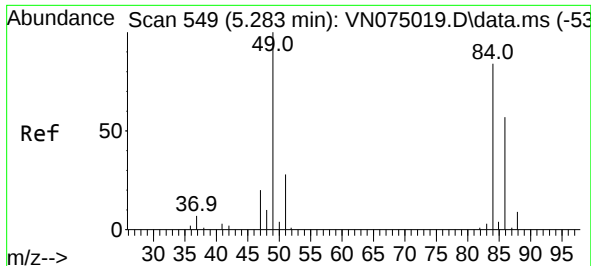
Tgt Ion: 43 Resp: 8969
Ion Ratio Lower Upper
43 100
58 29.9 25.5 38.3



#18
Methyl Acetate
Concen: 1.402 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.011 min
Lab File: VN075224.D
Acq: 09 Nov 2022 17:53

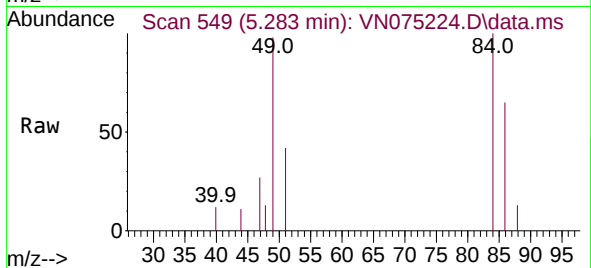
Tgt Ion: 43 Resp: 2593
Ion Ratio Lower Upper
43 100
74 14.4 22.0 33.0#



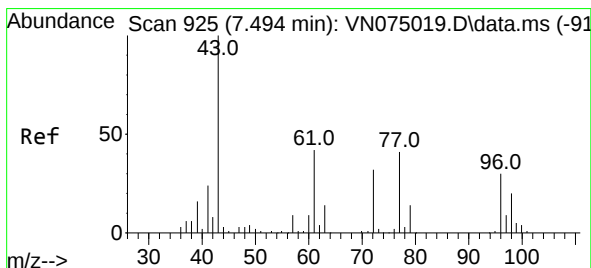
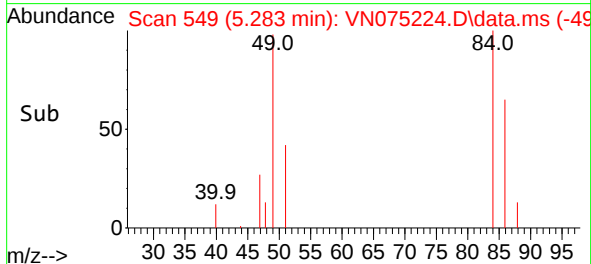
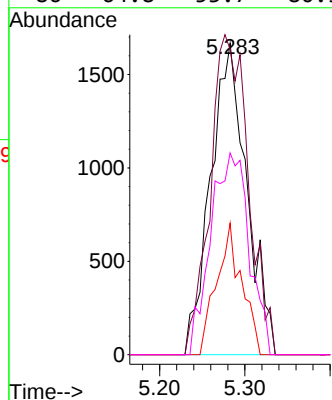


#20
Methylene Chloride
Concen: 3.908 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.000 min
Lab File: VN075224.D
Acq: 09 Nov 2022 17:53

Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#10

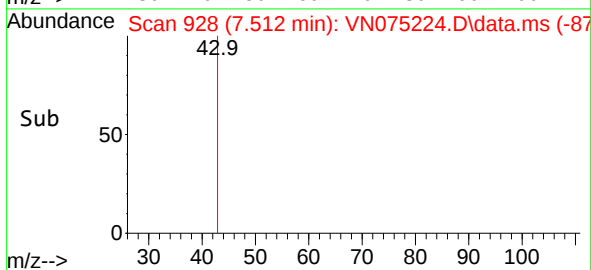
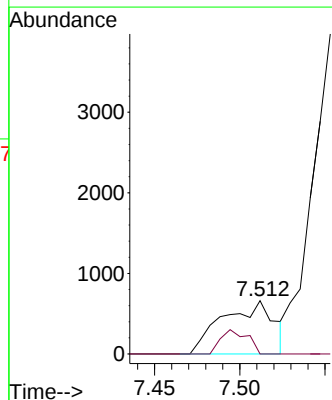
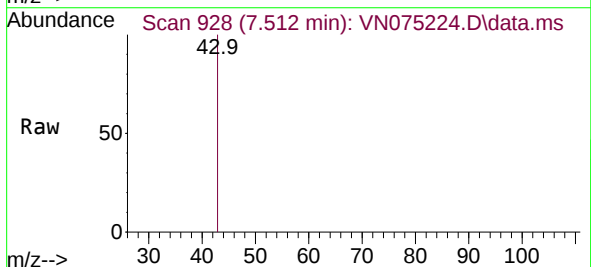


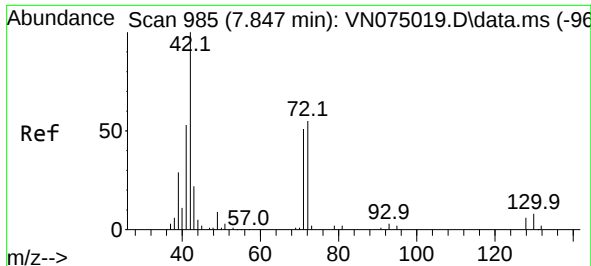
Tgt Ion:	84	Resp:	4932
Ion	Ratio	Lower	Upper
84	100		
49	98.0	94.9	142.3
51	42.2	26.8	40.2#
86	64.8	53.7	80.5



#25
2-Butanone
Concen: 1.549 ug/l
RT: 7.512 min Scan# 928
Delta R.T. 0.018 min
Lab File: VN075224.D
Acq: 09 Nov 2022 17:53

Tgt Ion:	43	Resp:	1379
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.5	38.3#





#29

Tetrahydrofuran

Concen: 0.692 ug/l

RT: 7.859 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN075224.D

Acq: 09 Nov 2022 17:53

Instrument :

MSVOA_N

ClientSampleId :

PB148908ZHE#10

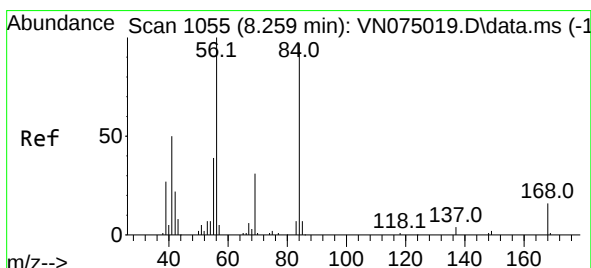
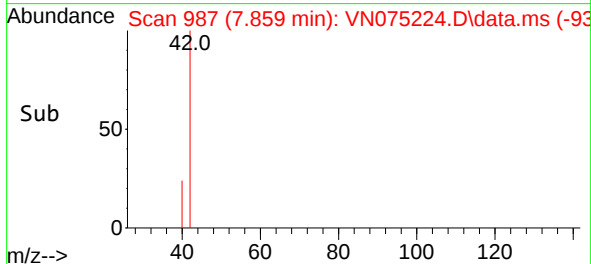
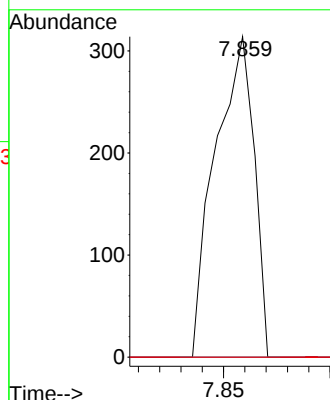
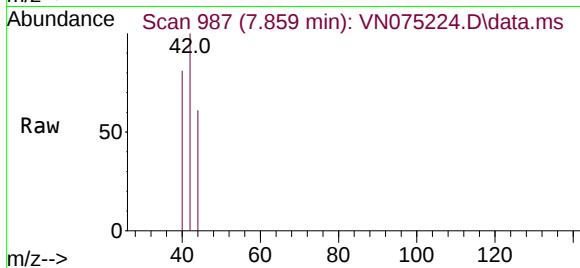
Tgt Ion: 42 Resp: 398

Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.6#

71 0.0 39.9 59.9#



#31

Cyclohexane

Concen: 1.116 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.030 min

Lab File: VN075224.D

Acq: 09 Nov 2022 17:53

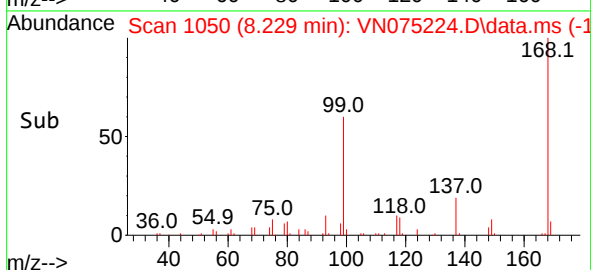
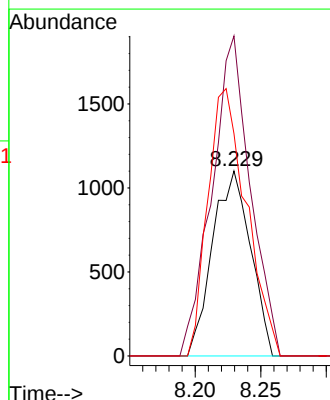
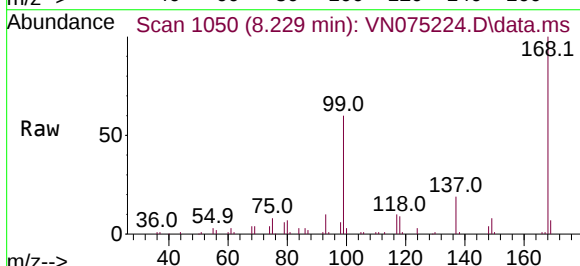
Tgt Ion: 56 Resp: 2218

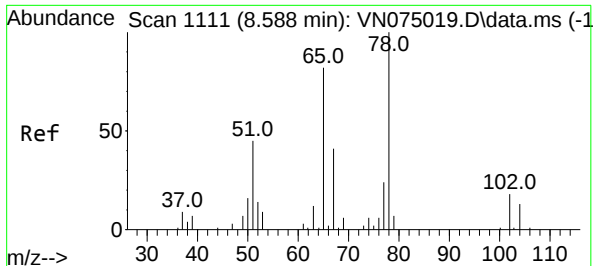
Ion Ratio Lower Upper

56 100

69 173.0 25.2 37.8#

84 120.3 77.8 116.8#





#33

1,2-Dichloroethane-d4

Concen: 55.198 ug/l

RT: 8.582 min Scan# 1111

Delta R.T. -0.006 min

Lab File: VN075224.D

Acq: 09 Nov 2022 17:53

Instrument :

MSVOA_N

ClientSampleId :

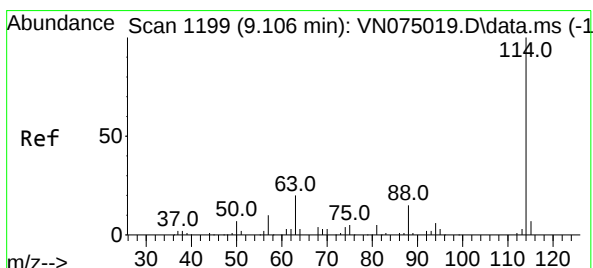
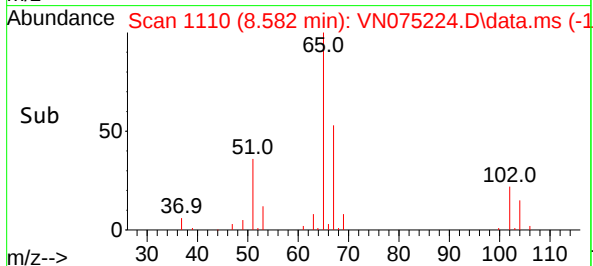
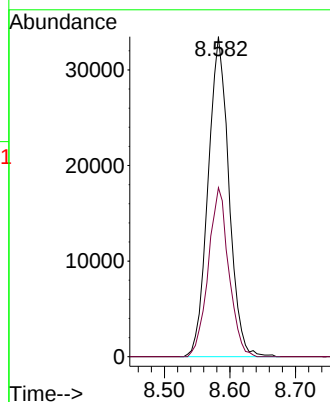
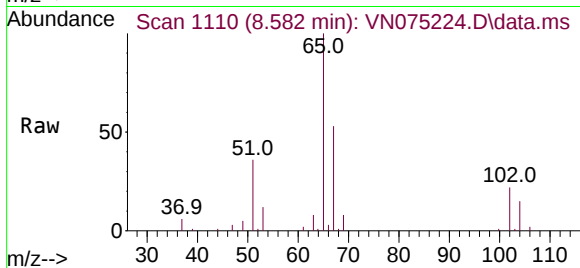
PB148908ZHE#10

Tgt Ion: 65 Resp: 73790

Ion Ratio Lower Upper

65 100

67 51.9 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075224.D

Acq: 09 Nov 2022 17:53

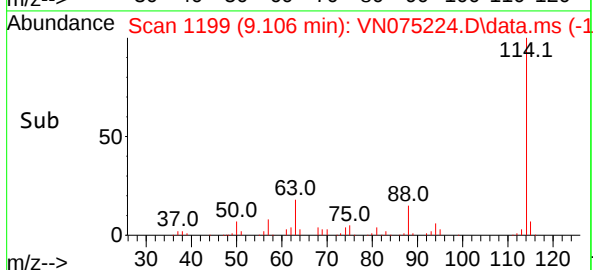
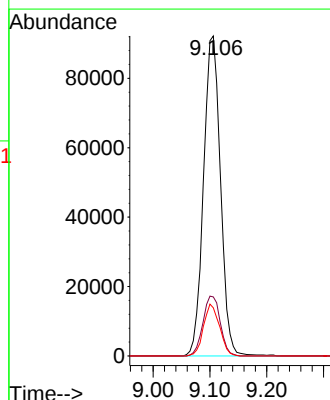
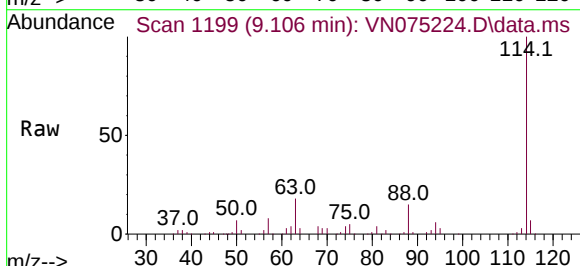
Tgt Ion: 114 Resp: 190906

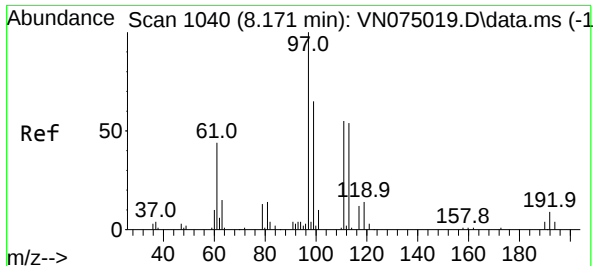
Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.6

88 15.0 0.0 29.0





#35

Dibromofluoromethane

Concen: 53.853 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075224.D

Acq: 09 Nov 2022 17:53

Instrument :

MSVOA_N

ClientSampleId :

PB148908ZHE#10

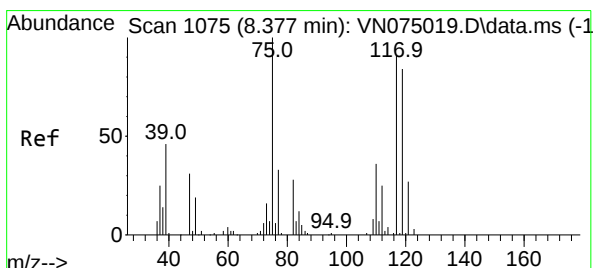
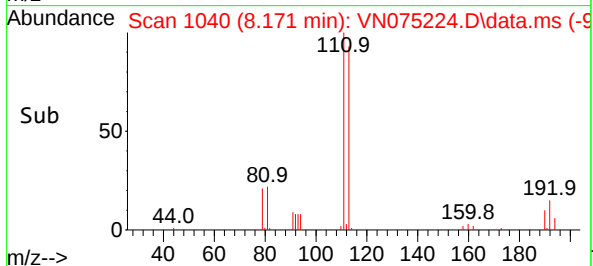
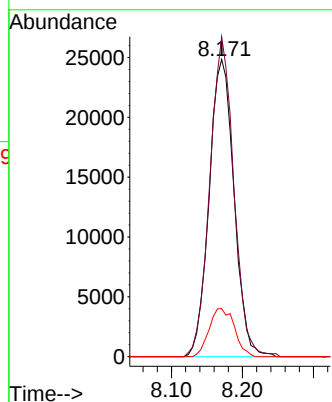
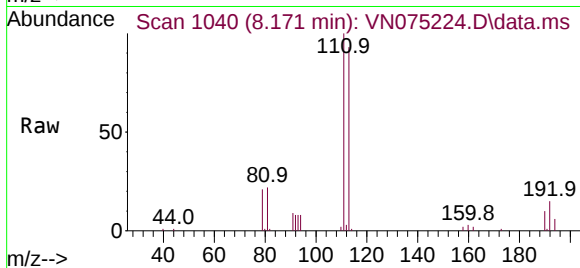
Tgt Ion:113 Resp: 60354

Ion Ratio Lower Upper

113 100

111 103.7 80.5 120.7

192 16.5 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.845 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.148 min

Lab File: VN075224.D

Acq: 09 Nov 2022 17:53

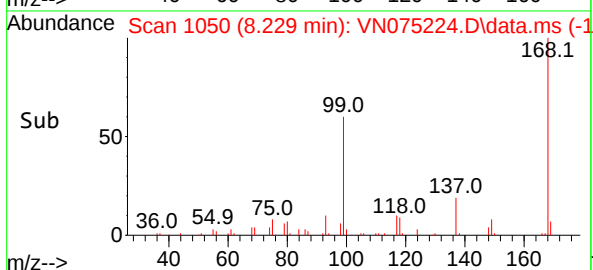
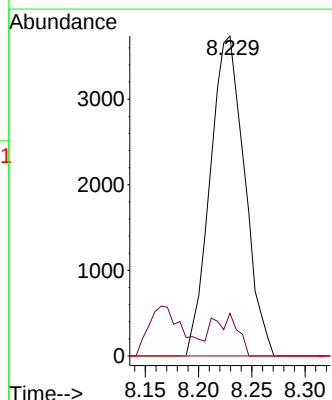
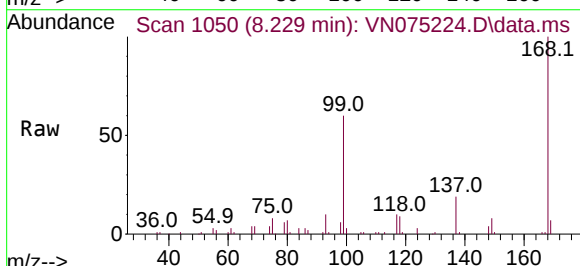
Tgt Ion: 75 Resp: 8407

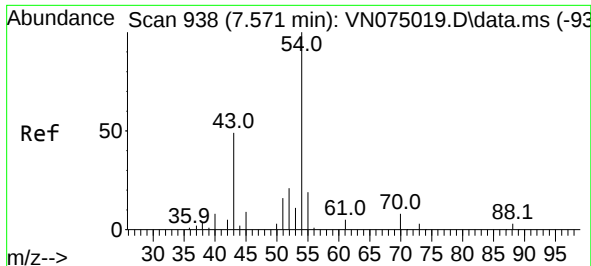
Ion Ratio Lower Upper

75 100

110 2.7 17.8 53.3#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 9.301 ug/l

RT: 7.565 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN075224.D

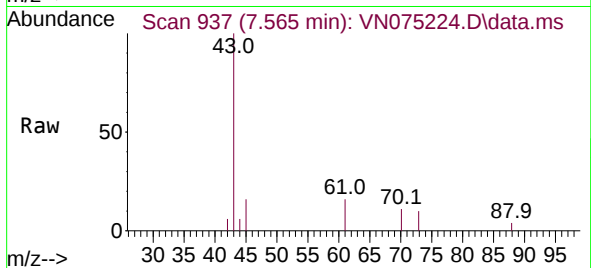
Acq: 09 Nov 2022 17:53

Instrument :

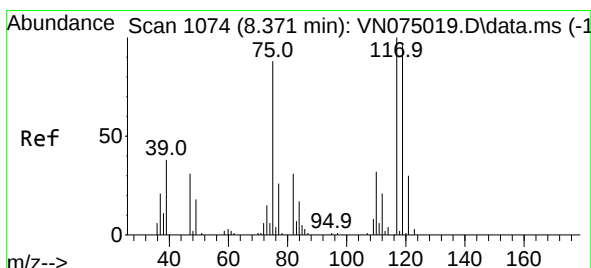
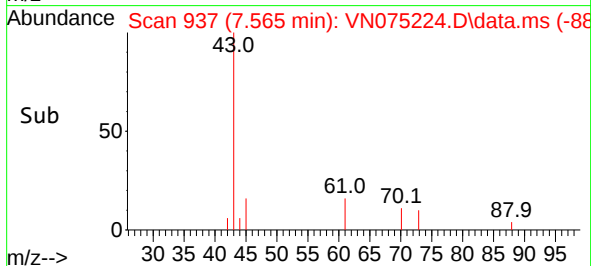
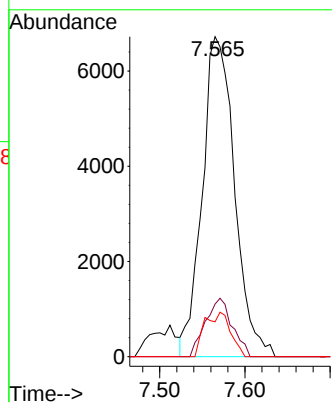
MSVOA_N

ClientSampleId :

PB148908ZHE#10



Tgt Ion:	43	Resp:	17698
Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.2	18.4
70	11.1	9.4	14.2



#38

Carbon Tetrachloride

Concen: 5.516 ug/l

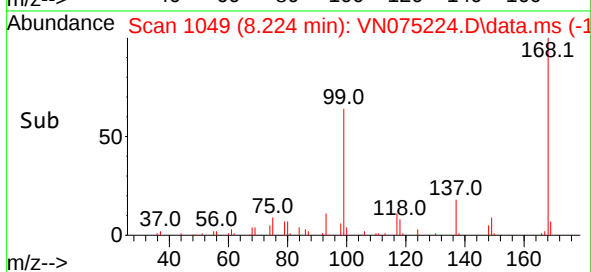
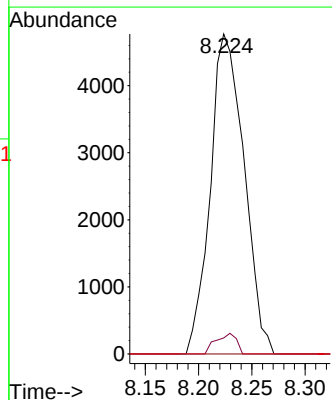
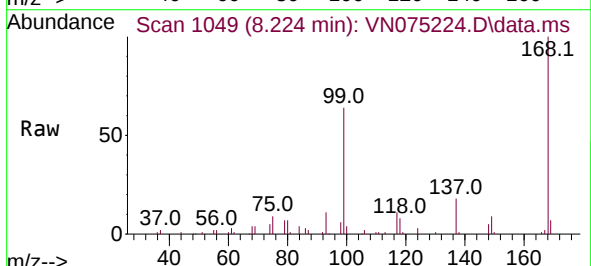
RT: 8.224 min Scan# 1049

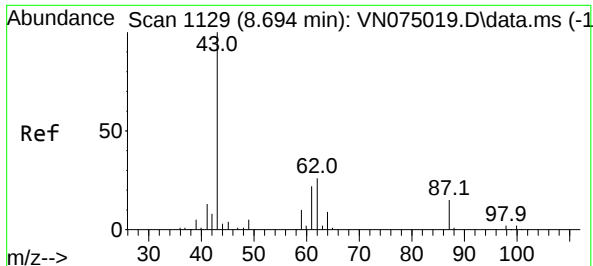
Delta R.T. -0.147 min

Lab File: VN075224.D

Acq: 09 Nov 2022 17:53

Tgt Ion:	117	Resp:	10527
Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.7	115.1#
121	0.0	23.9	35.9#

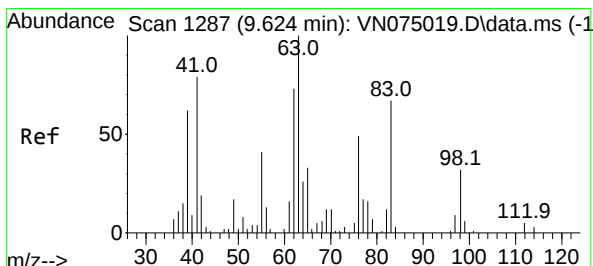
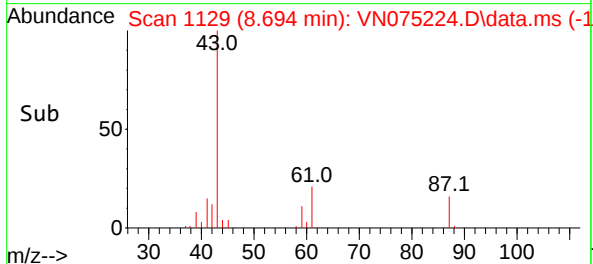
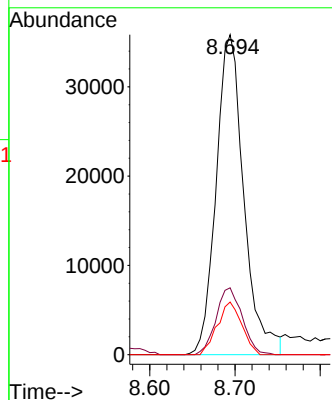
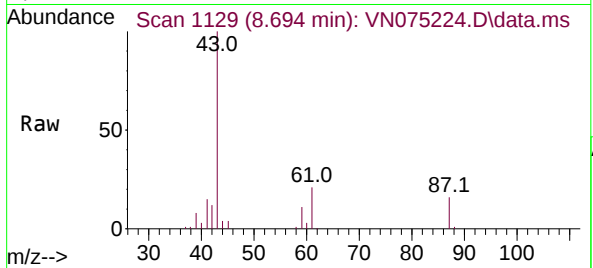




#43
Isopropyl Acetate
Concen: 27.397 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075224.D
Acq: 09 Nov 2022 17:53

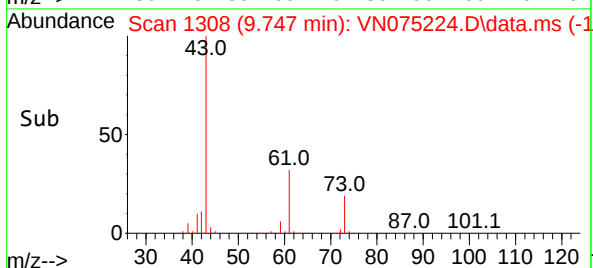
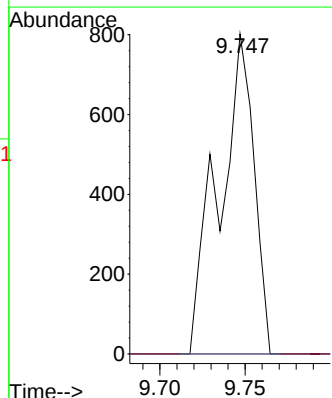
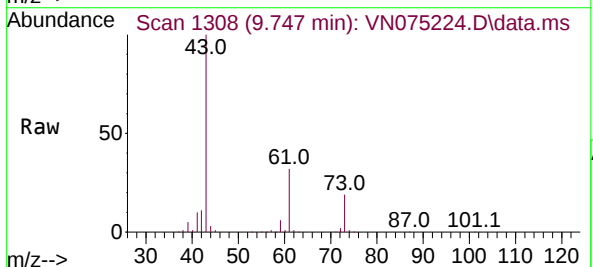
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#10

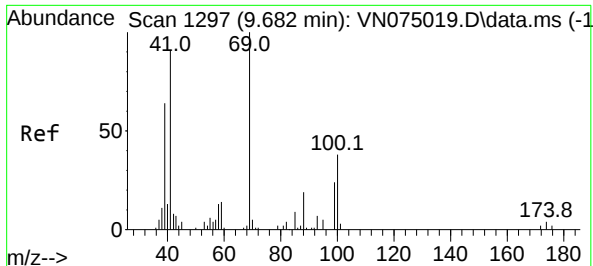
Tgt Ion: 43 Resp: 80863
Ion Ratio Lower Upper
43 100
61 19.7 22.4 33.6#
87 14.5 12.5 18.7



#45
1,2-Dichloropropane
Concen: 0.908 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.123 min
Lab File: VN075224.D
Acq: 09 Nov 2022 17:53

Tgt Ion: 63 Resp: 1148
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#





#48

Methyl methacrylate

Concen: 1.716 ug/l

RT: 9.665 min Scan# 11

Delta R.T. -0.017 min

Lab File: VN075224.D

Acq: 09 Nov 2022 17:53

Instrument :

MSVOA_N

ClientSampleId :

PB148908ZHE#10

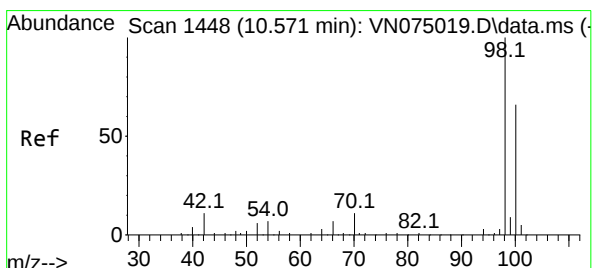
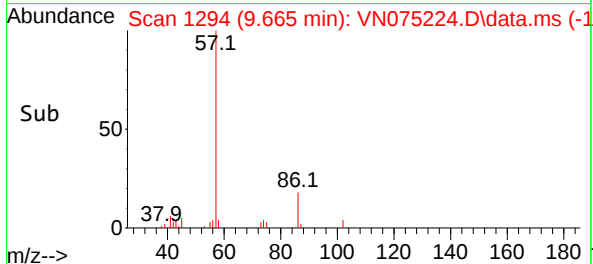
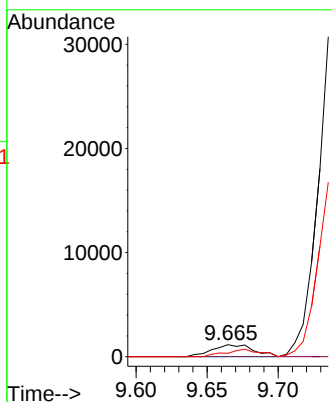
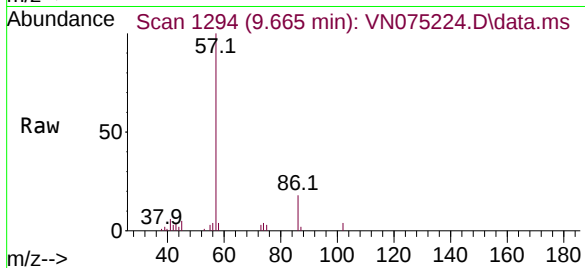
Tgt Ion: 41 Resp: 2323

Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 52.3 56.2 84.2#



#50

Toluene-d8

Concen: 52.642 ug/l

RT: 10.565 min Scan# 1447

Delta R.T. -0.006 min

Lab File: VN075224.D

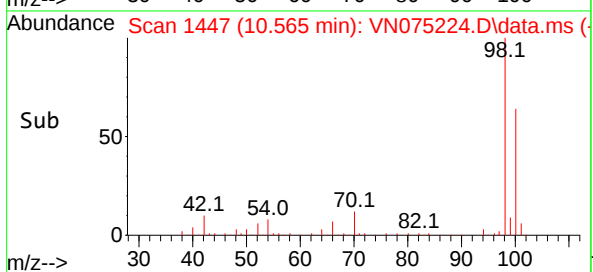
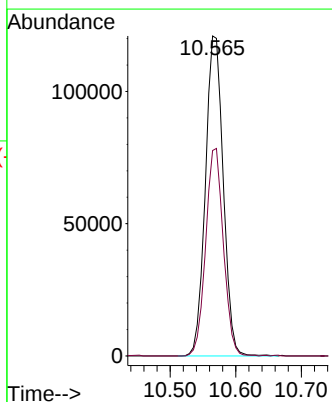
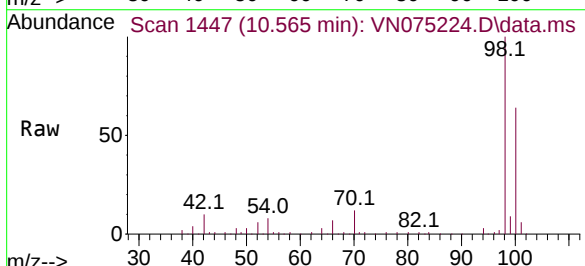
Acq: 09 Nov 2022 17:53

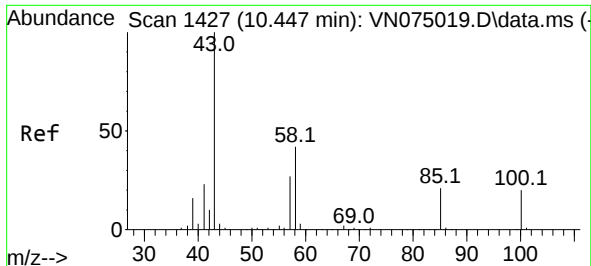
Tgt Ion: 98 Resp: 228893

Ion Ratio Lower Upper

98 100

100 64.3 53.0 79.6

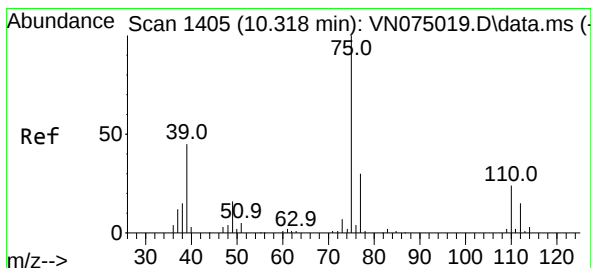
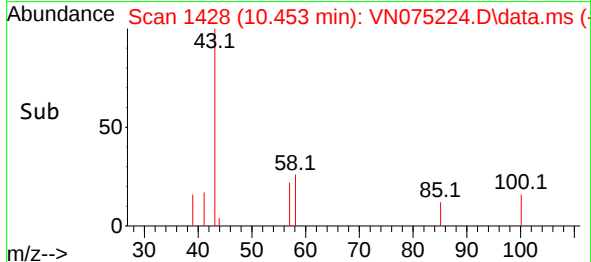
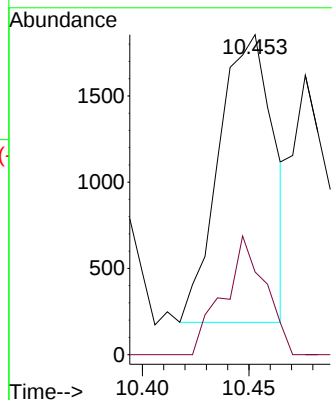
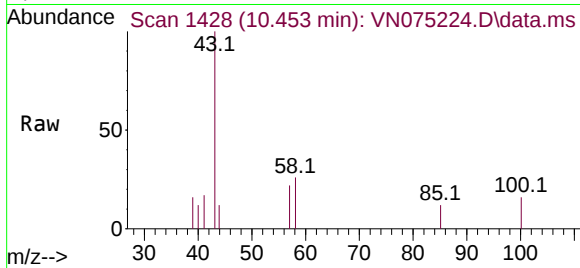




#51
4-Methyl-2-Pentanone
Concen: 1.559 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN075224.D
Acq: 09 Nov 2022 17:53

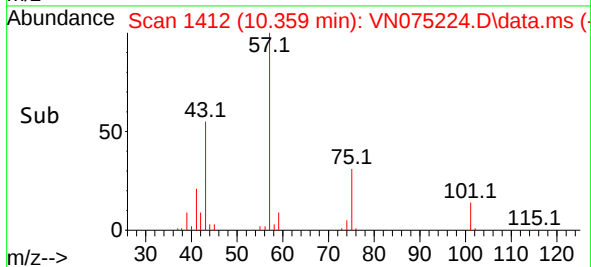
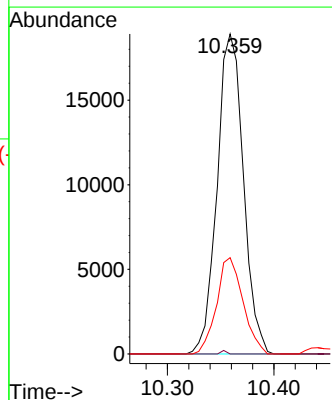
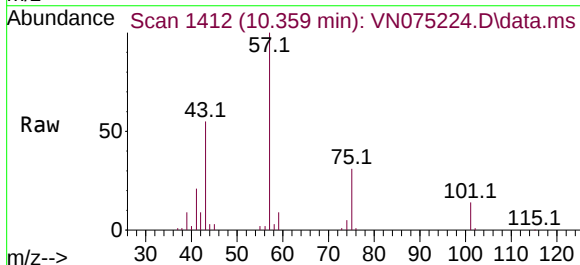
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#10

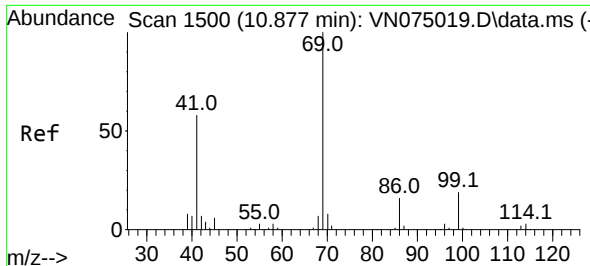
Tgt Ion: 43 Resp: 2969
Ion Ratio Lower Upper
43 100
58 31.4 33.6 50.4#



#54
cis-1,3-Dichloropropene
Concen: 15.168 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.041 min
Lab File: VN075224.D
Acq: 09 Nov 2022 17:53

Tgt Ion: 75 Resp: 32389
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 30.1 35.8 53.6#

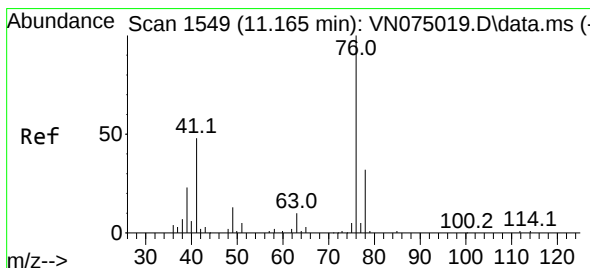
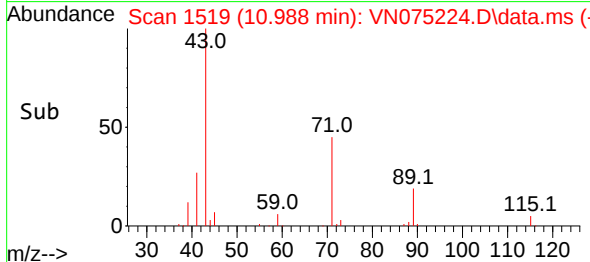
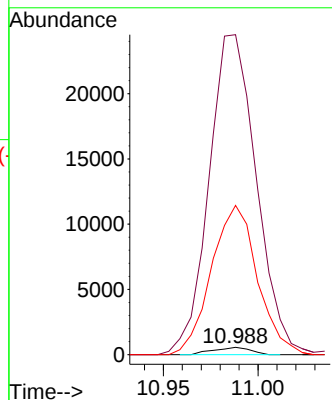
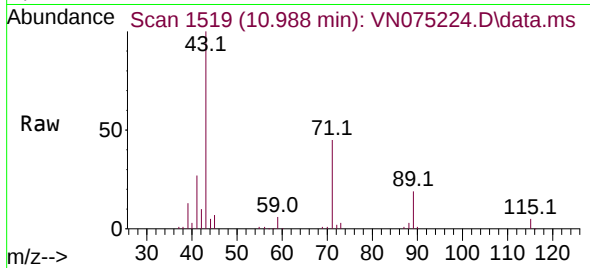




#56
Ethyl methacrylate
Concen: 0.359 ug/l
RT: 10.988 min Scan# 11
Delta R.T. 0.111 min
Lab File: VN075224.D
Acq: 09 Nov 2022 17:53

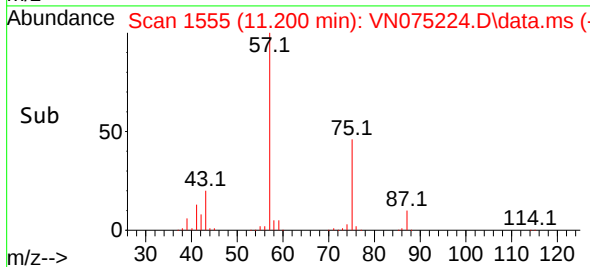
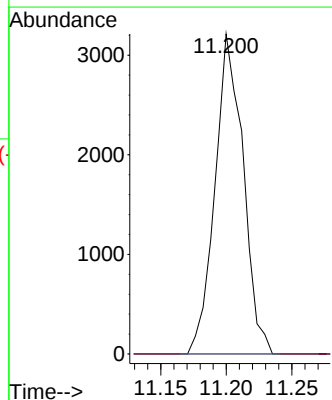
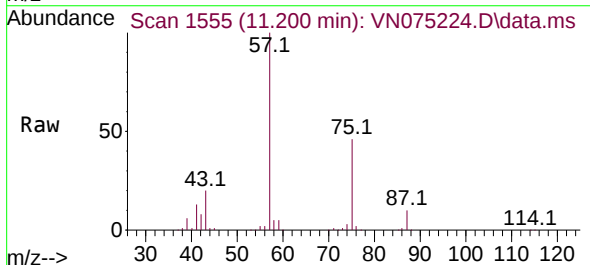
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#10

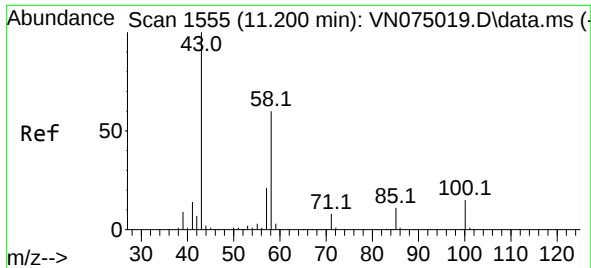
Tgt Ion: 69 Resp: 771
Ion Ratio Lower Upper
69 100
41 5572.4 45.6 68.4#
39 2508.8 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 2.047 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN075224.D
Acq: 09 Nov 2022 17:53

Tgt Ion: 76 Resp: 4799
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

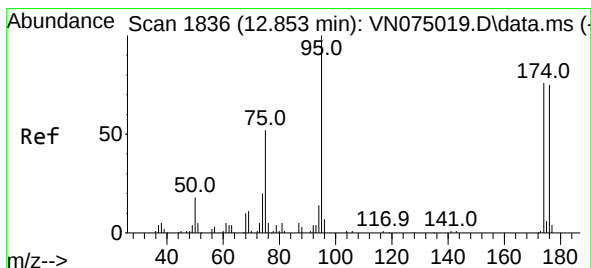
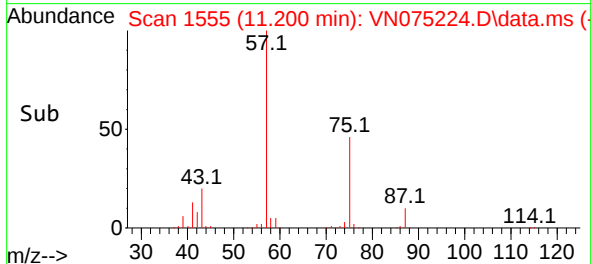
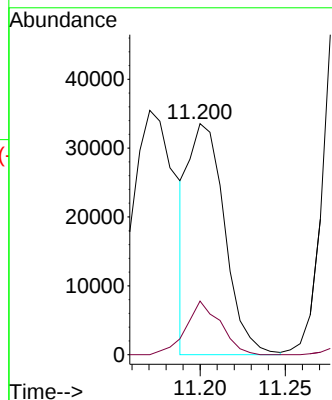
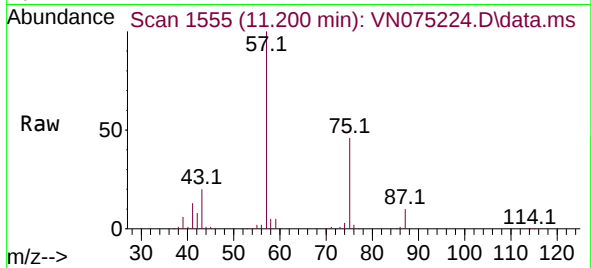




#59
2-Hexanone
Concen: 34.247 ug/l
RT: 11.200 min Scan# 111
Delta R.T. -0.000 min
Lab File: VN075224.D
Acq: 09 Nov 2022 17:53

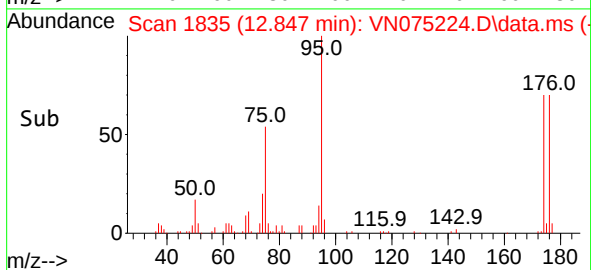
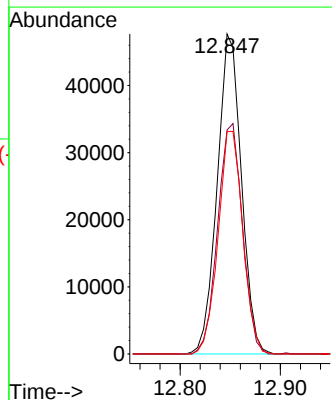
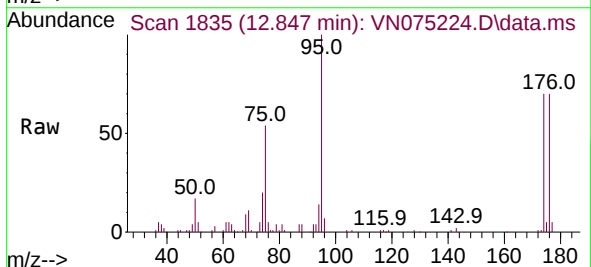
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#10

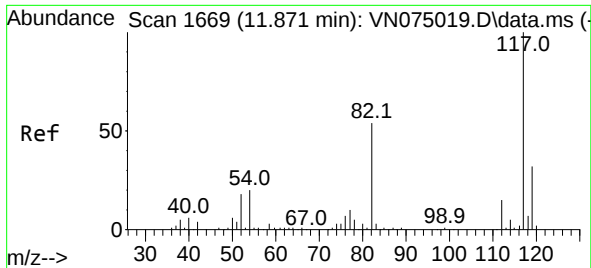
Tgt Ion: 43 Resp: 49506
Ion Ratio Lower Upper
43 100
58 22.2 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 52.232 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN075224.D
Acq: 09 Nov 2022 17:53

Tgt Ion: 95 Resp: 79779
Ion Ratio Lower Upper
95 100
174 73.6 0.0 147.4
176 70.8 0.0 142.2

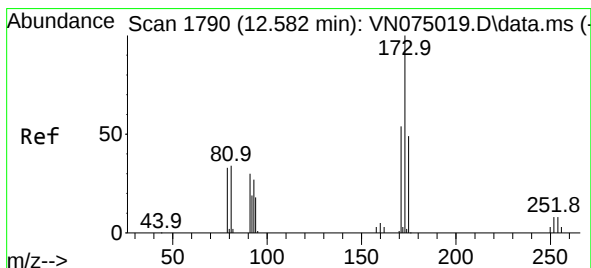
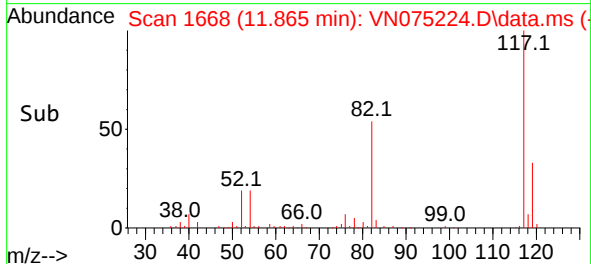
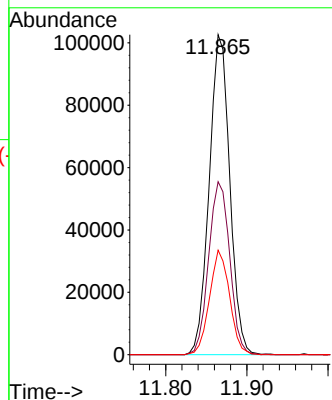
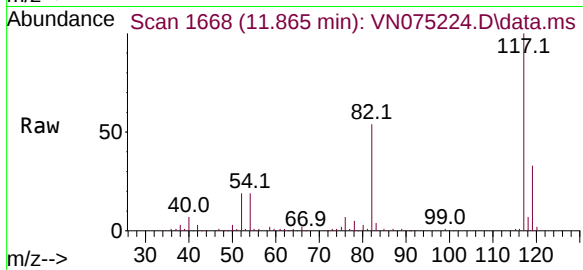




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075224.D
Acq: 09 Nov 2022 17:53

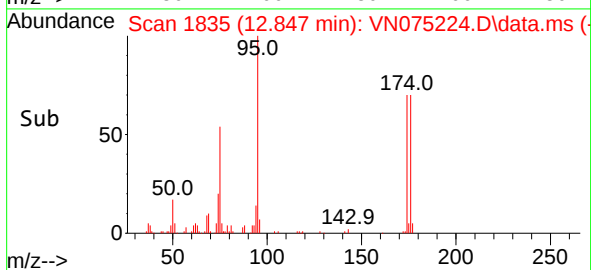
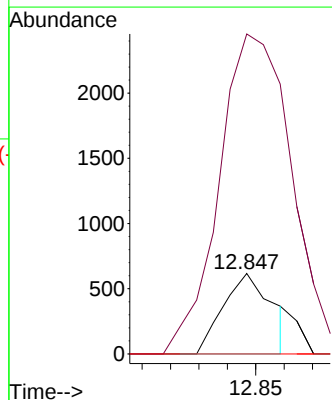
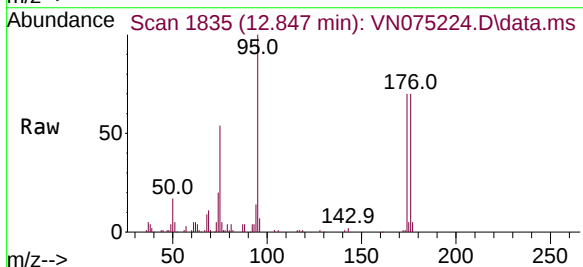
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#10

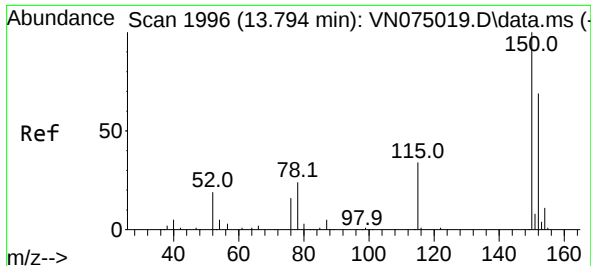
Tgt Ion:117 Resp: 180527
Ion Ratio Lower Upper
117 100
82 54.1 43.1 64.7
119 32.6 25.5 38.3



#71
Bromoform
Concen: 0.692 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075224.D
Acq: 09 Nov 2022 17:53

Tgt Ion:173 Resp: 741
Ion Ratio Lower Upper
173 100
175 499.1 24.6 74.0#
254 0.0 0.0 0.0

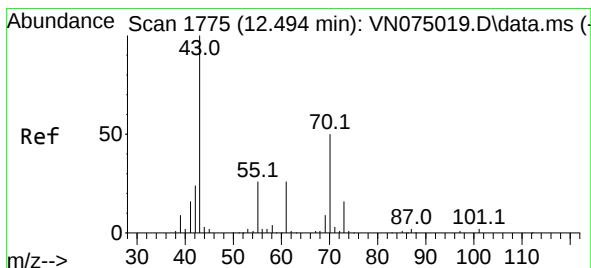
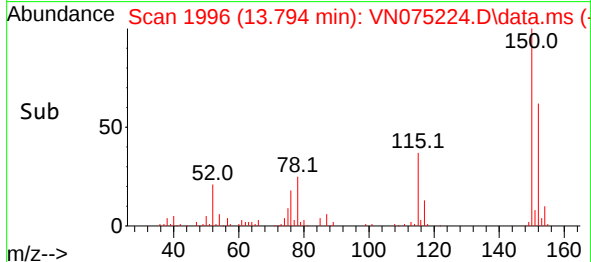
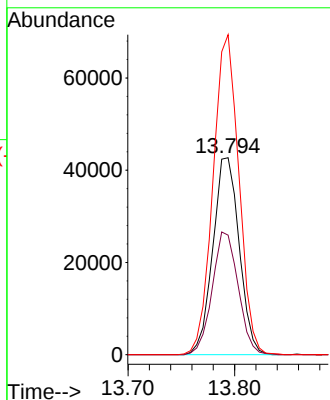
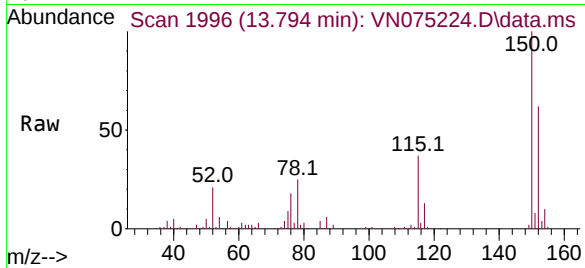




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075224.D
Acq: 09 Nov 2022 17:53

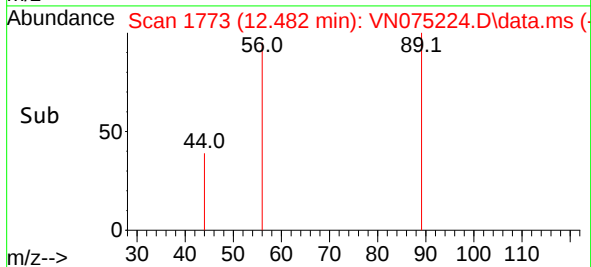
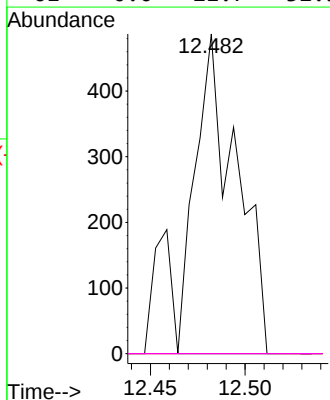
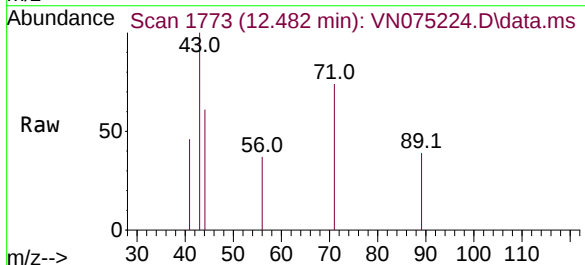
Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#10

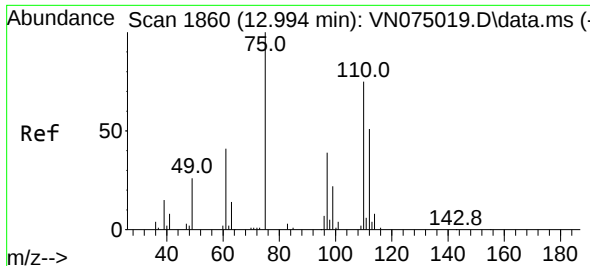
Tgt Ion:152 Resp: 73267
Ion Ratio Lower Upper
152 100
115 61.4 30.2 90.6
150 159.3 0.0 348.4



#74
N-ethyl acetate
Concen: 0.335 ug/l
RT: 12.482 min Scan# 1773
Delta R.T. -0.012 min
Lab File: VN075224.D
Acq: 09 Nov 2022 17:53

Tgt Ion: 43 Resp: 729
Ion Ratio Lower Upper
43 100
70 0.0 39.8 59.8#
55 0.0 19.9 29.9#
61 0.0 21.7 32.5#

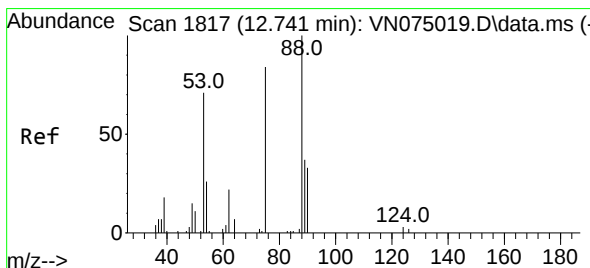
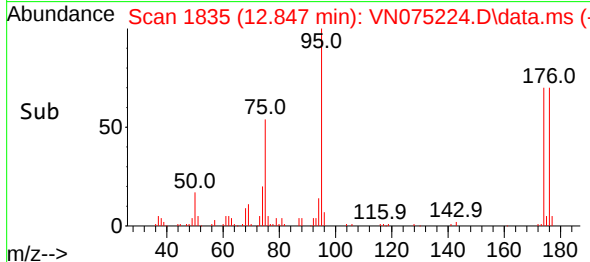
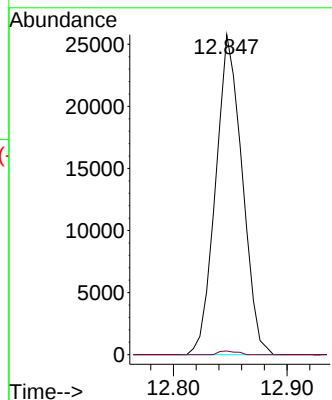
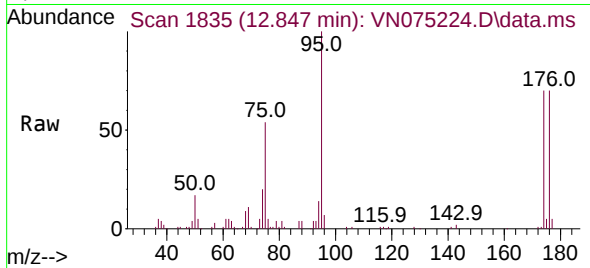




#76
1,2,3-Trichloropropane
Concen: 26.875 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075224.D
Acq: 09 Nov 2022 17:53

Instrument :
MSVOA_N
ClientSampleId :
PB148908ZHE#10

Tgt Ion: 75 Resp: 41808
Ion Ratio Lower Upper
75 100
77 0.8 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.988 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.106 min
Lab File: VN075224.D
Acq: 09 Nov 2022 17:53

Tgt Ion: 75 Resp: 41808
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

