

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110422\
 Data File : VN075173.D
 Acq On : 04 Nov 2022 14:33
 Operator : JC\MD
 Sample : PB148795ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148795ZHE#02

Quant Time: Nov 05 06:59:09 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)

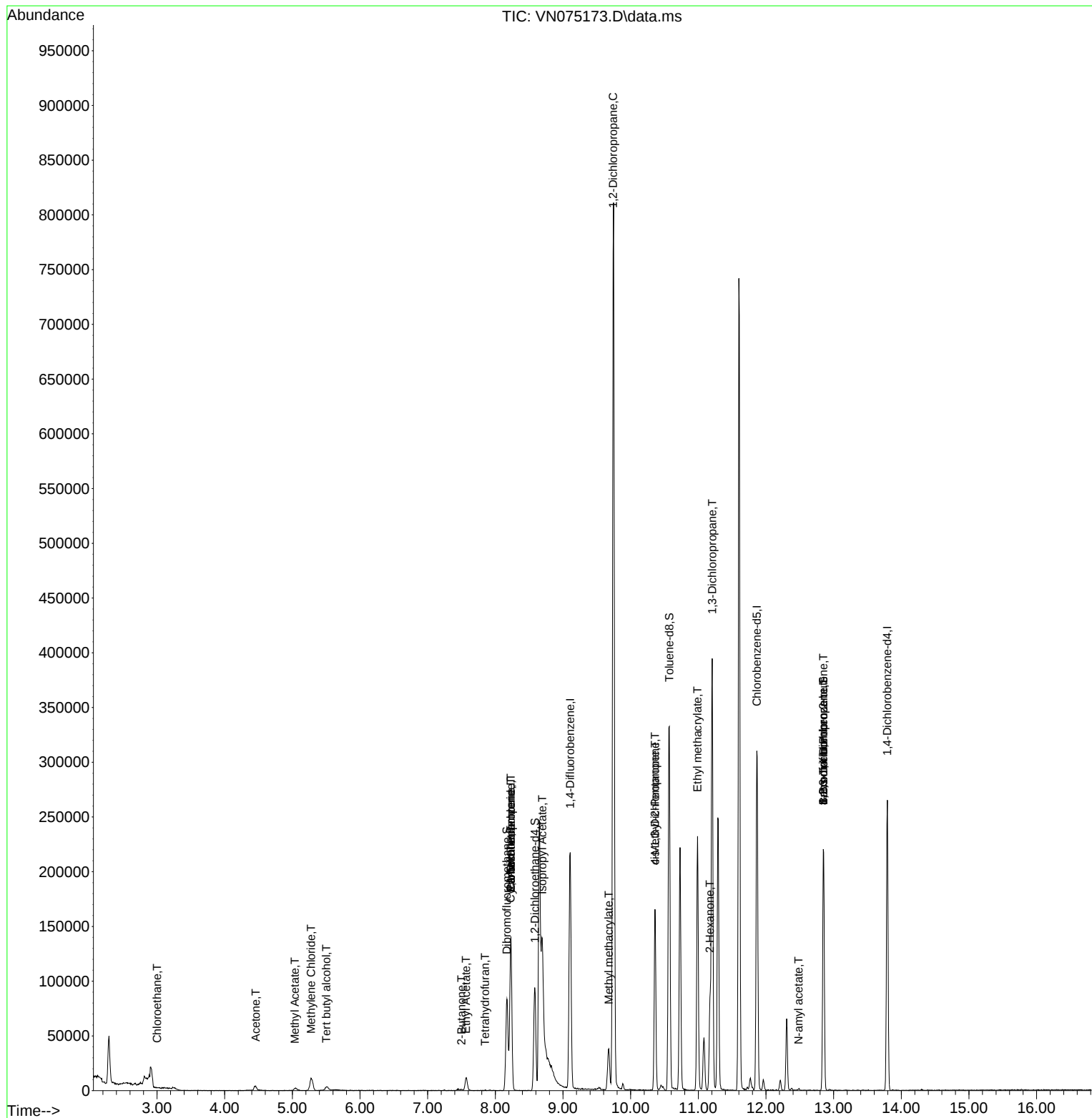
Internal Standards						
1) Pentafluorobenzene	8.230	168	95878	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	193607	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	181202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	69491	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	78104	60.459	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.920%			
35) Dibromofluoromethane	8.171	113	60066	52.848	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.700%			
50) Toluene-d8	10.571	98	238628	54.116	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.240%			
62) 4-Bromofluorobenzene	12.847	95	76257	49.230	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.460%			
Target Compounds						Qvalue
5) Bromomethane	2.918	94	85	Below Cal	#	5
6) Chloroethane	3.001	64	716	0.528	ug/l #	45
11) Tert butyl alcohol	5.500	59	1565	5.195	ug/l #	72
16) Acetone	4.459	43	7946	14.527	ug/l #	85
18) Methyl Acetate	5.036	43	3029	1.695	ug/l #	84
20) Methylene Chloride	5.277	84	9434	7.735	ug/l	92
25) 2-Butanone	7.500	43	1676	1.948	ug/l #	75
29) Tetrahydrofuran	7.847	42	159	0.286	ug/l #	26
31) Cyclohexane	8.224	56	2268	1.180	ug/l #	42
36) 1,1-Dichloropropene	8.230	75	8683	4.935	ug/l #	49
37) Ethyl Acetate	7.565	43	17757	9.202	ug/l	97
38) Carbon Tetrachloride	8.230	117	10673	5.514	ug/l #	16
43) Isopropyl Acetate	8.694	43	191852	64.094	ug/l #	73
45) 1,2-Dichloropropane	9.741	63	1020	0.796	ug/l #	42
48) Methyl methacrylate	9.677	41	2306	1.679	ug/l #	6
51) 4-Methyl-2-Pentanone	10.359	43	57080	29.551	ug/l #	44
54) cis-1,3-Dichloropropene	10.359	75	31327	14.466	ug/l #	66
56) Ethyl methacrylate	10.988	69	759	0.348	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4661	1.960	ug/l #	42
59) 2-Hexanone	11.171	43	63529	43.335	ug/l #	21
71) Bromoform	12.847	173	229	0.213	ug/l #	1
74) N-amyl acetate	12.482	43	780	0.378	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	41900	28.398	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	41900	72.896	ug/l #	10

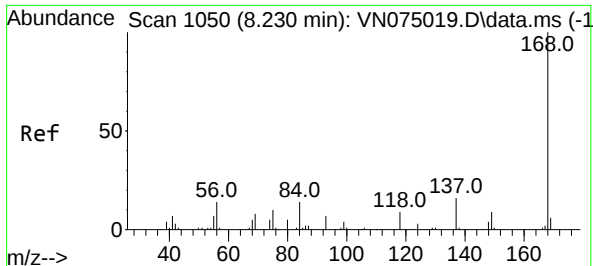
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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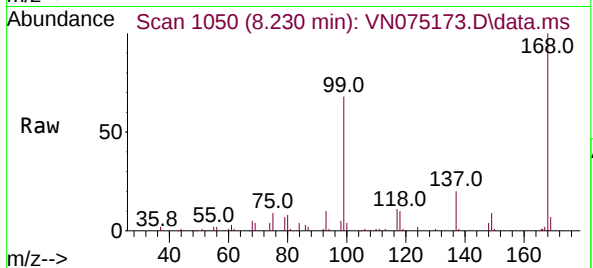
Quant Time: Nov 05 06:59:09 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
Quant Title : SW846 8260
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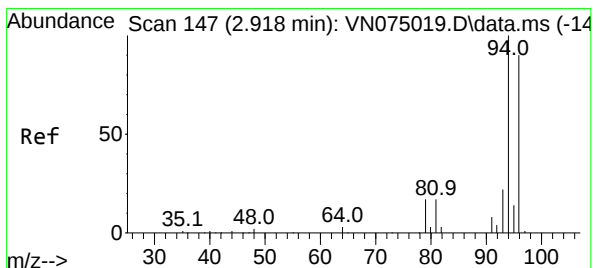
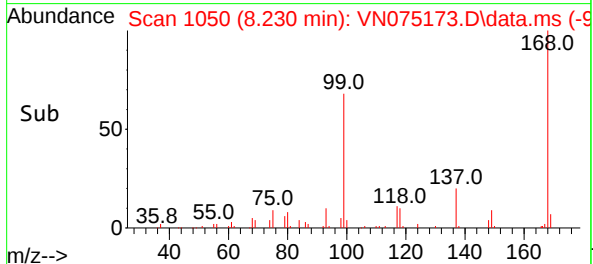
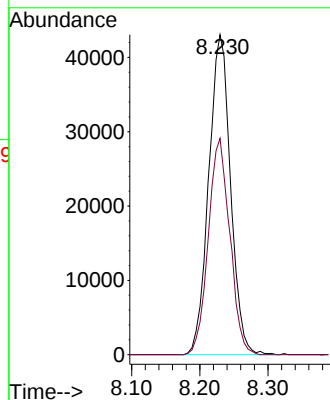


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075173.D
Acq: 04 Nov 2022 14:33

Instrument :
MSVOA_N
ClientSampleId :
PB148795ZHE#02

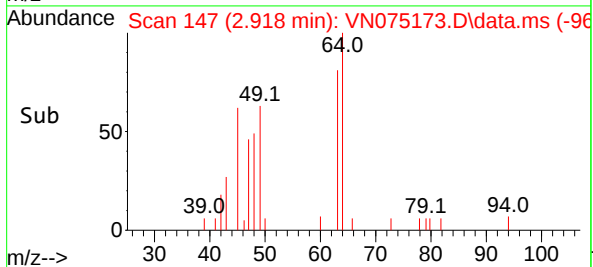
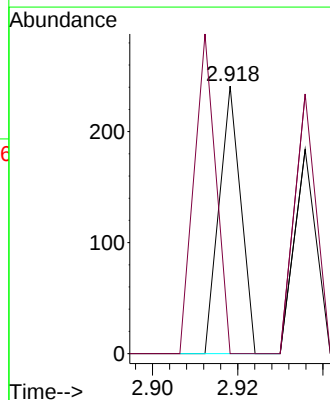
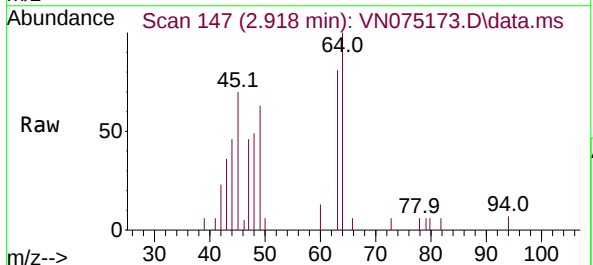


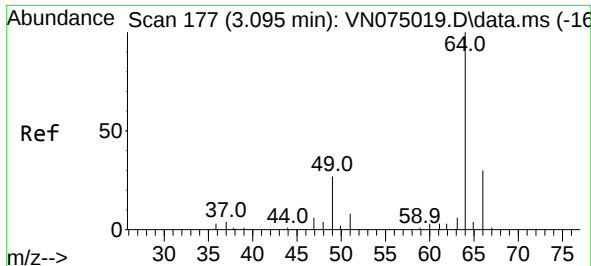
Tgt Ion:168 Resp: 95878
Ion Ratio Lower Upper
168 100
99 67.6 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.918 min Scan# 147
Delta R.T. 0.000 min
Lab File: VN075173.D
Acq: 04 Nov 2022 14:33

Tgt Ion: 94 Resp: 85
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#





#6

Chloroethane

Concen: 0.528 ug/l

RT: 3.001 min Scan# 1

Delta R.T. -0.094 min

Lab File: VN075173.D

Acq: 04 Nov 2022 14:33

Instrument :

MSVOA_N

ClientSampleId :

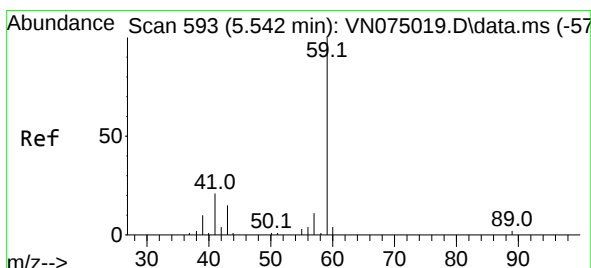
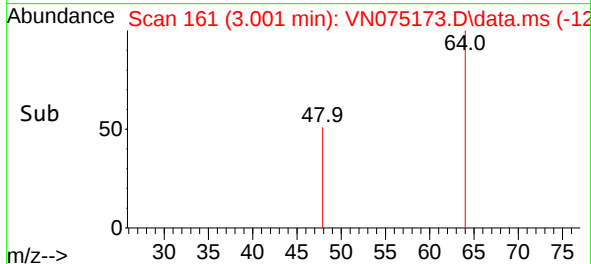
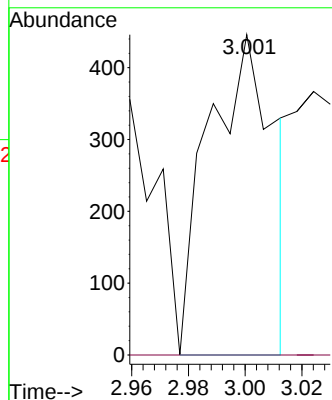
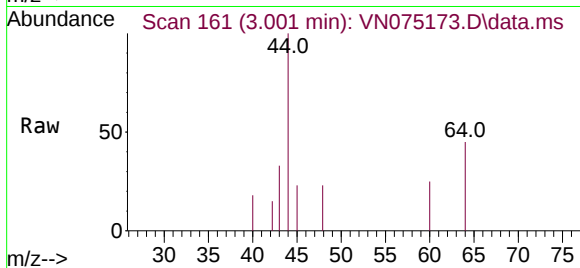
PB148795ZHE#02

Tgt Ion: 64 Resp: 716

Ion Ratio Lower Upper

64 100

66 0.0 23.8 35.8#



#11

Tert butyl alcohol

Concen: 5.195 ug/l

RT: 5.500 min Scan# 586

Delta R.T. -0.042 min

Lab File: VN075173.D

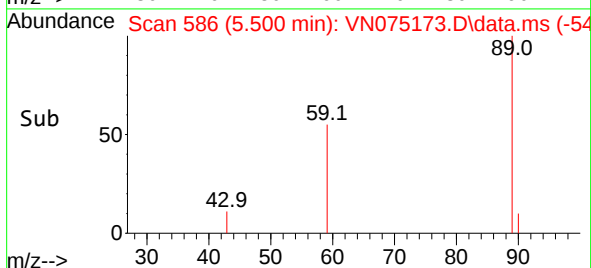
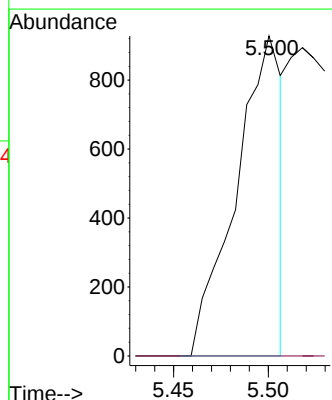
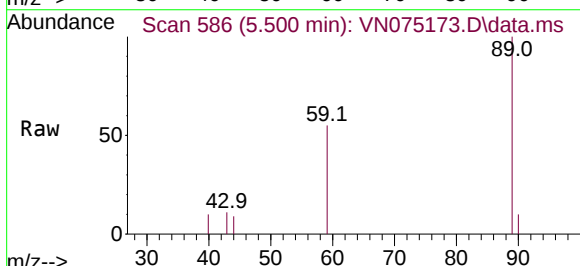
Acq: 04 Nov 2022 14:33

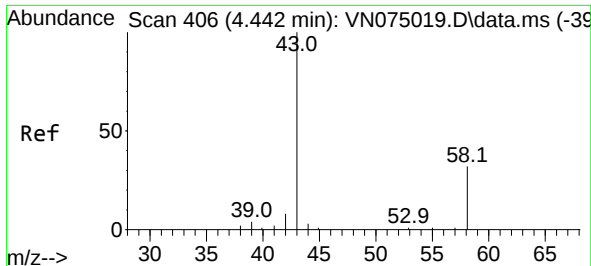
Tgt Ion: 59 Resp: 1565

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#

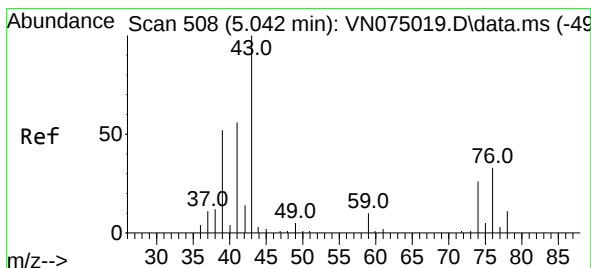
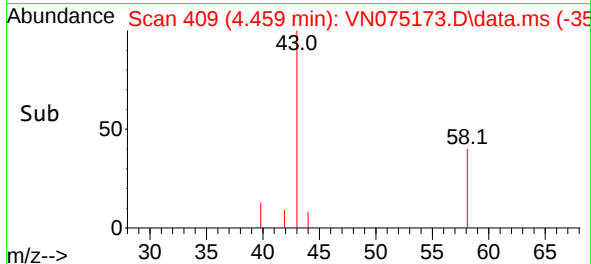
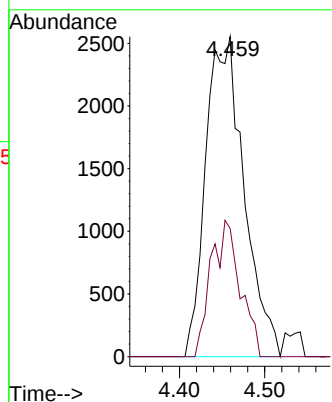
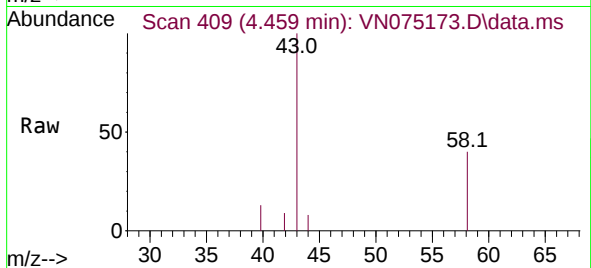




#16
Acetone
Concen: 14.527 ug/l
RT: 4.459 min Scan# 406
Delta R.T. 0.017 min
Lab File: VN075173.D
Acq: 04 Nov 2022 14:33

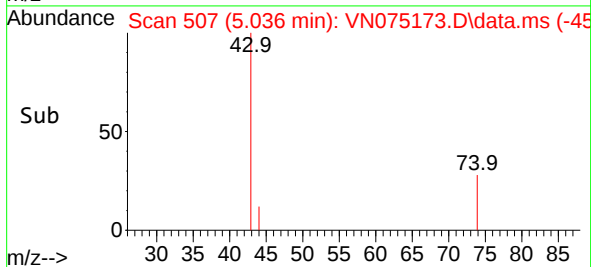
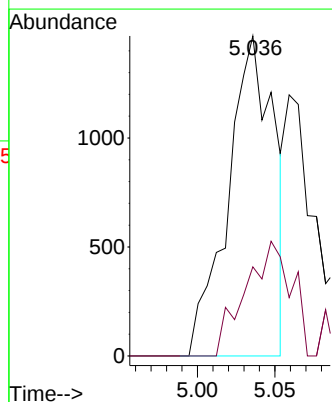
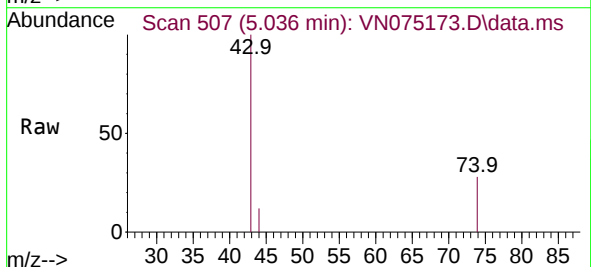
Instrument :
MSVOA_N
ClientSampleId :
PB148795ZHE#02

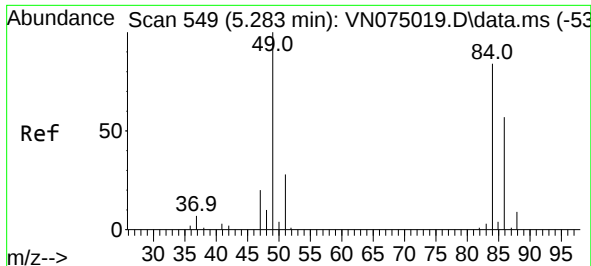
Tgt Ion: 43 Resp: 7946
Ion Ratio Lower Upper
43 100
58 40.1 25.5 38.3#



#18
Methyl Acetate
Concen: 1.695 ug/l
RT: 5.036 min Scan# 507
Delta R.T. -0.006 min
Lab File: VN075173.D
Acq: 04 Nov 2022 14:33

Tgt Ion: 43 Resp: 3029
Ion Ratio Lower Upper
43 100
74 35.8 22.0 33.0#

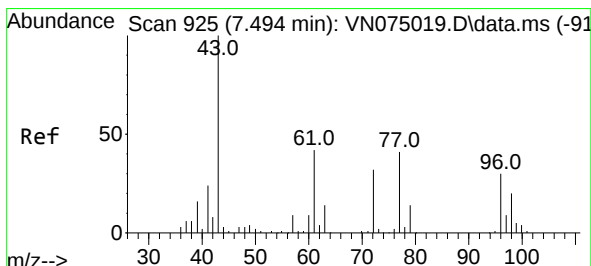
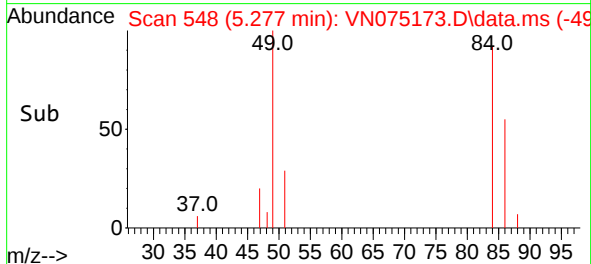
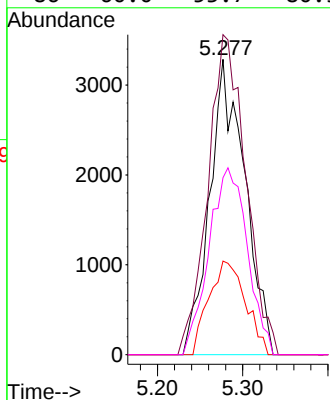
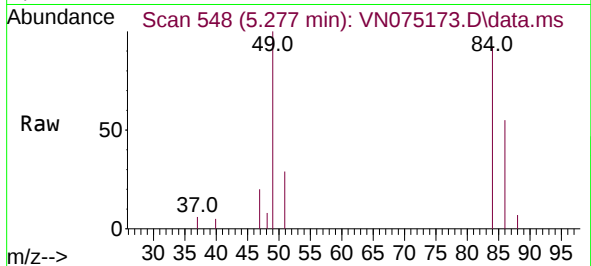




#20
Methylene Chloride
Concen: 7.735 ug/l
RT: 5.277 min Scan# 549
Delta R.T. -0.006 min
Lab File: VN075173.D
Acq: 04 Nov 2022 14:33

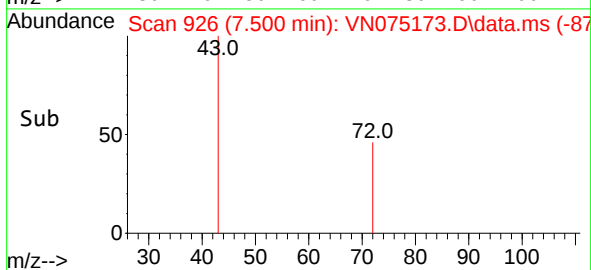
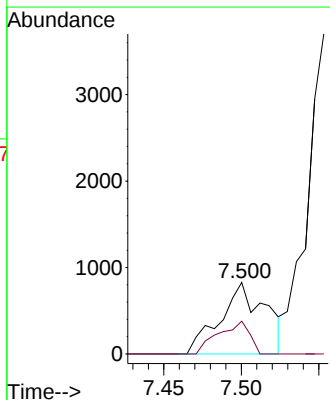
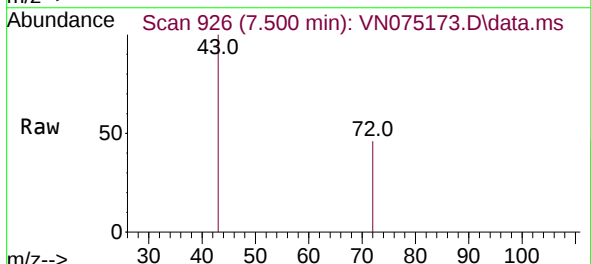
Instrument :
MSVOA_N
ClientSampleId :
PB148795ZHE#02

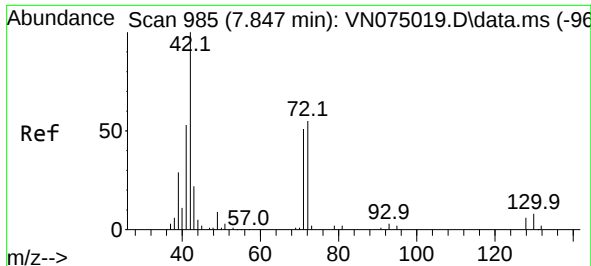
Tgt Ion: 84	Resp:	9434	
Ion	Ratio	Lower	Upper
84	100		
49	108.4	94.9	142.3
51	31.7	26.8	40.2
86	60.0	53.7	80.5



#25
2-Butanone
Concen: 1.948 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.006 min
Lab File: VN075173.D
Acq: 04 Nov 2022 14:33

Tgt Ion: 43	Resp:	1676	
Ion	Ratio	Lower	Upper
43	100		
72	45.9	25.5	38.3#





#29

Tetrahydrofuran

Concen: 0.286 ug/l

RT: 7.847 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN075173.D

Acq: 04 Nov 2022 14:33

Instrument :

MSVOA_N

ClientSampleId :

PB148795ZHE#02

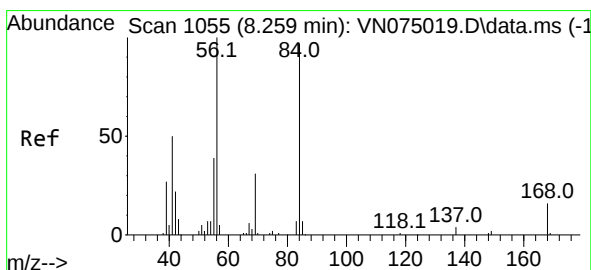
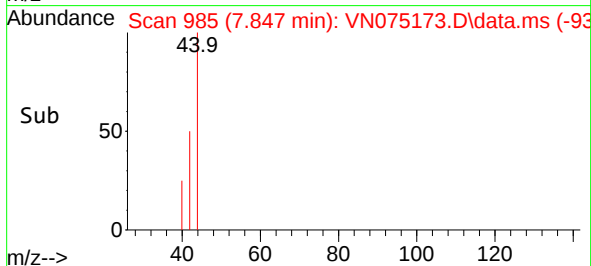
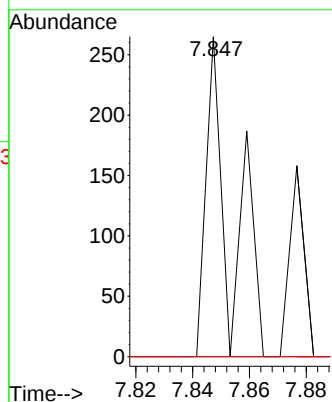
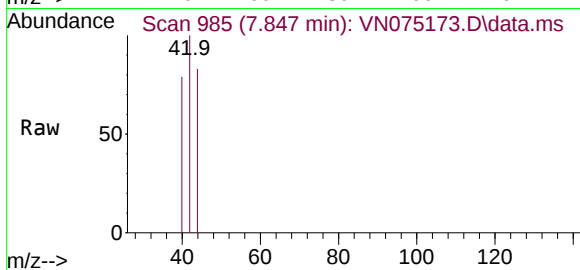
Tgt Ion: 42 Resp: 159

Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.6#

71 0.0 39.9 59.9#



#31

Cyclohexane

Concen: 1.180 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.035 min

Lab File: VN075173.D

Acq: 04 Nov 2022 14:33

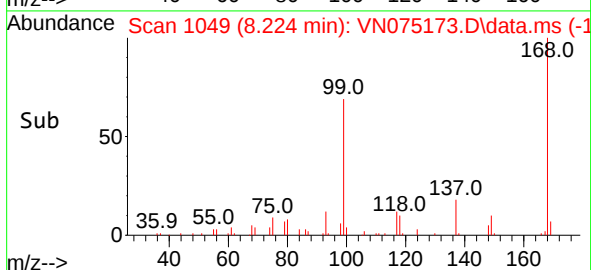
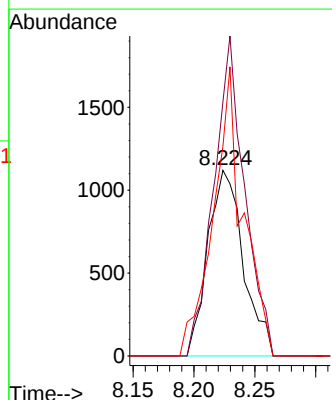
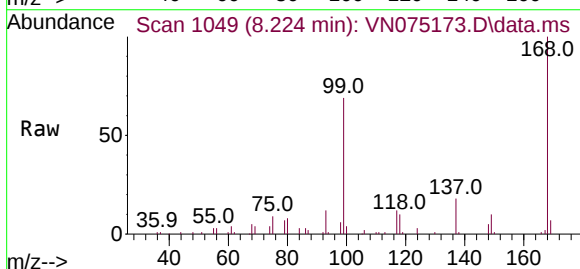
Tgt Ion: 56 Resp: 2268

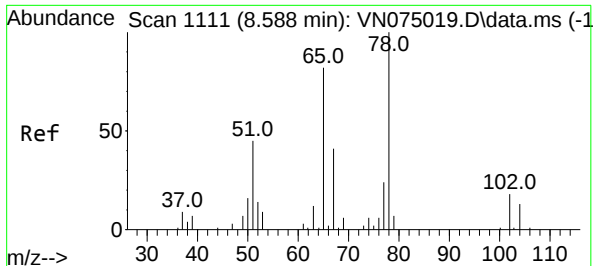
Ion Ratio Lower Upper

56 100

69 136.9 25.2 37.8#

84 112.9 77.8 116.8





#33

1,2-Dichloroethane-d4

Concen: 60.459 ug/l

RT: 8.583 min Scan# 1111

Delta R.T. -0.005 min

Lab File: VN075173.D

Acq: 04 Nov 2022 14:33

Instrument :

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ClientSampleId :

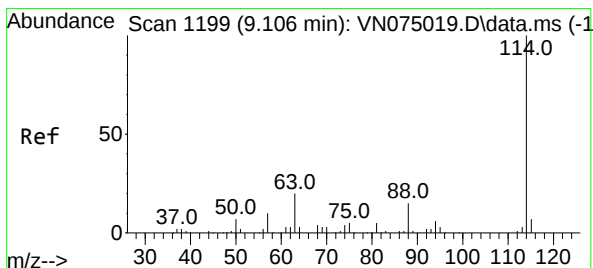
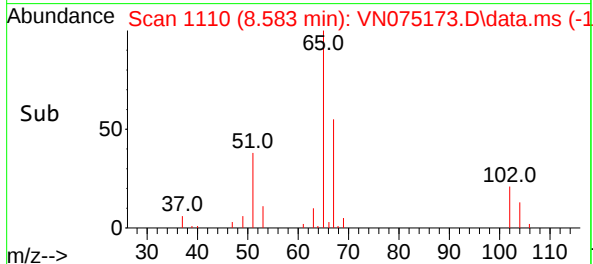
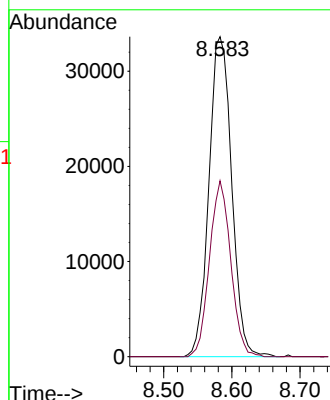
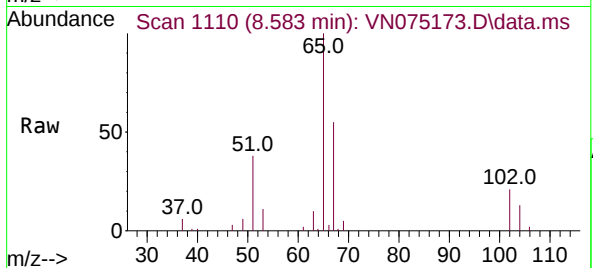
PB148795ZHE#02

Tgt Ion: 65 Resp: 78104

Ion Ratio Lower Upper

65 100

67 51.4 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: VN075173.D

Acq: 04 Nov 2022 14:33

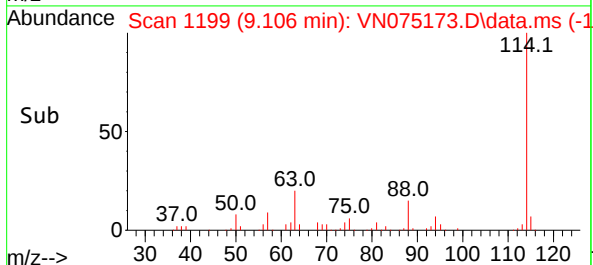
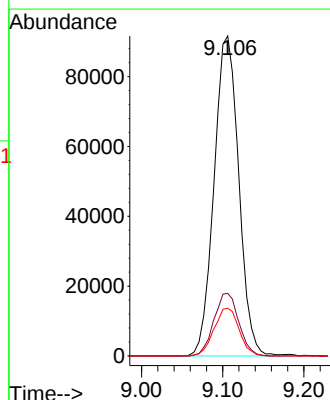
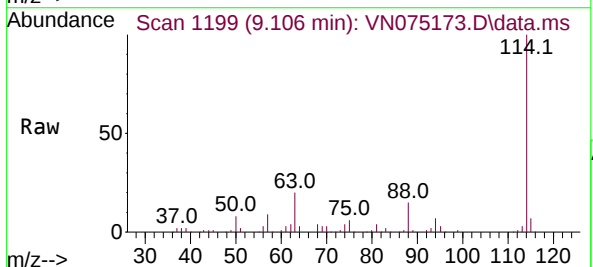
Tgt Ion: 114 Resp: 193607

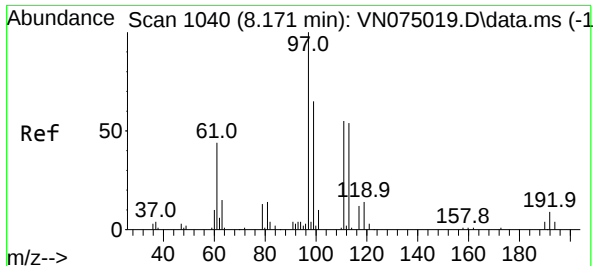
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

88 14.9 0.0 29.0





#35

Dibromofluoromethane

Concen: 52.848 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075173.D

Acq: 04 Nov 2022 14:33

Instrument :

MSVOA_N

ClientSampleId :

PB148795ZHE#02

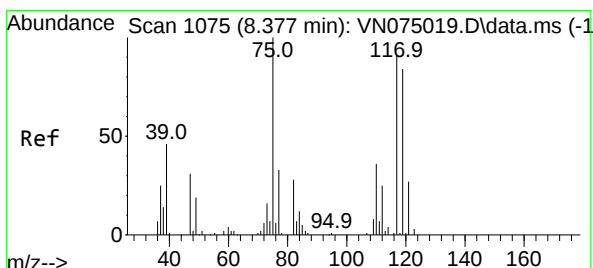
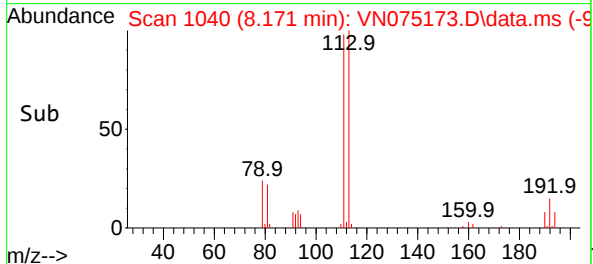
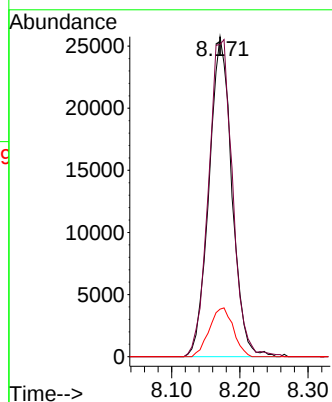
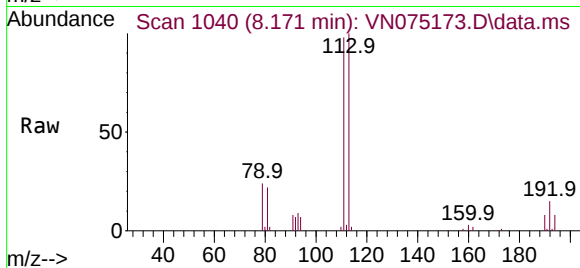
Tgt Ion:113 Resp: 60066

Ion Ratio Lower Upper

113 100

111 104.4 80.5 120.7

192 16.0 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.935 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075173.D

Acq: 04 Nov 2022 14:33

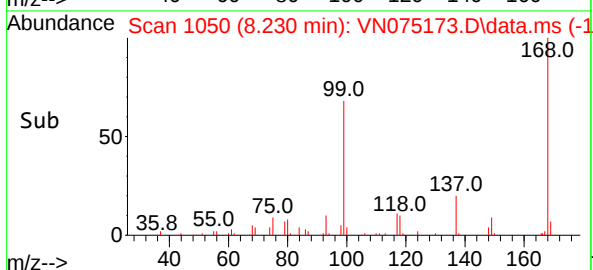
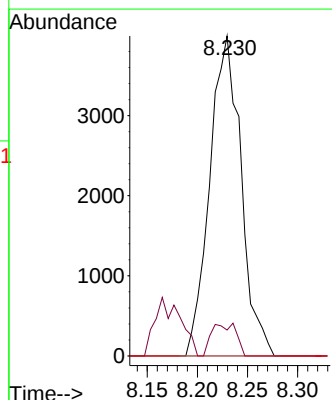
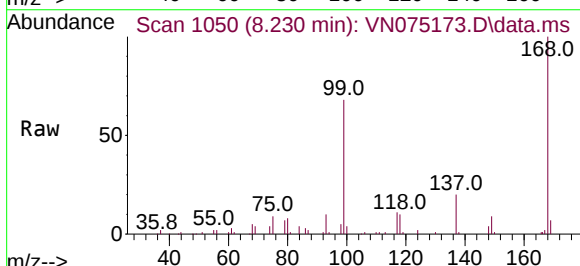
Tgt Ion: 75 Resp: 8683

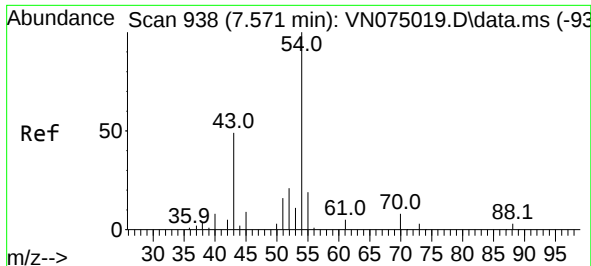
Ion Ratio Lower Upper

75 100

110 8.0 17.8 53.3#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 9.202 ug/l

RT: 7.565 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN075173.D

Acq: 04 Nov 2022 14:33

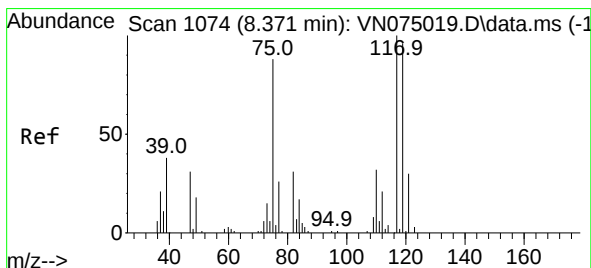
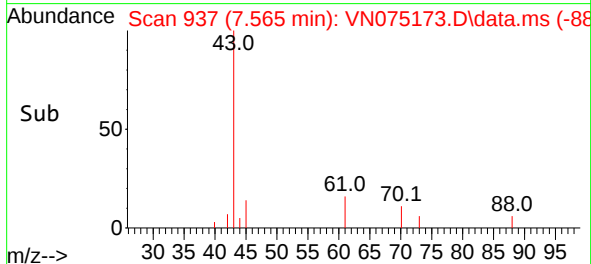
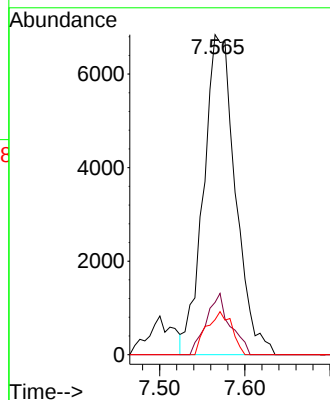
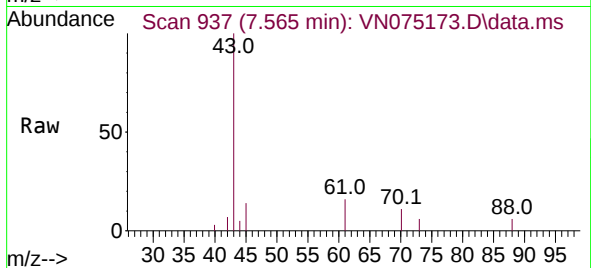
Instrument :

MSVOA_N

ClientSampleId :

PB148795ZHE#02

Tgt Ion: 43	Resp: 17757
Ion Ratio	Lower Upper
43 100	
61 14.4	12.2 18.4
70 10.6	9.4 14.2



#38

Carbon Tetrachloride

Concen: 5.514 ug/l

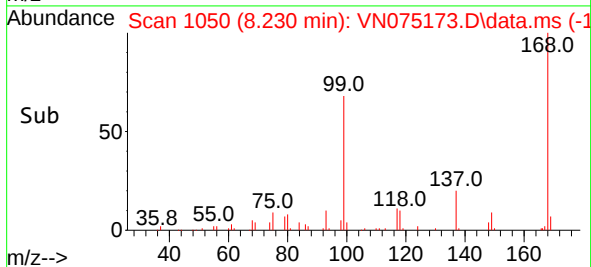
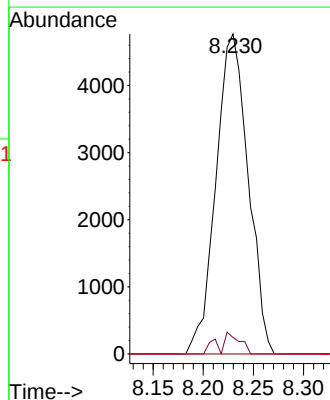
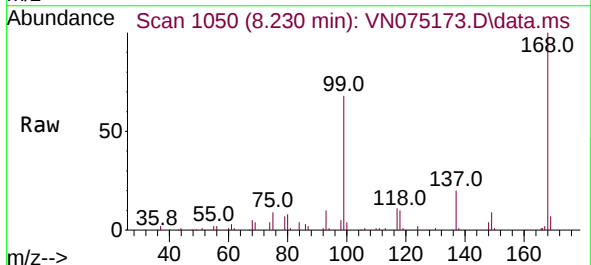
RT: 8.230 min Scan# 1050

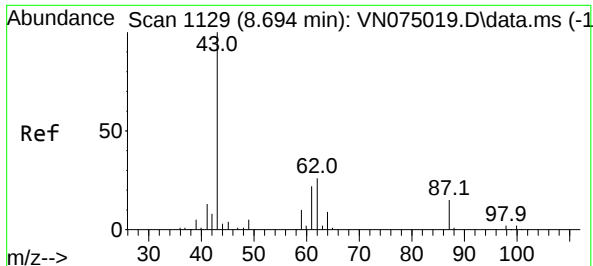
Delta R.T. -0.141 min

Lab File: VN075173.D

Acq: 04 Nov 2022 14:33

Tgt Ion: 117	Resp: 10673
Ion Ratio	Lower Upper
117 100	
119 5.2	76.7 115.1#
121 0.0	23.9 35.9#

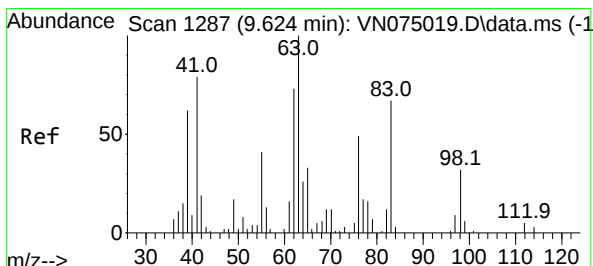
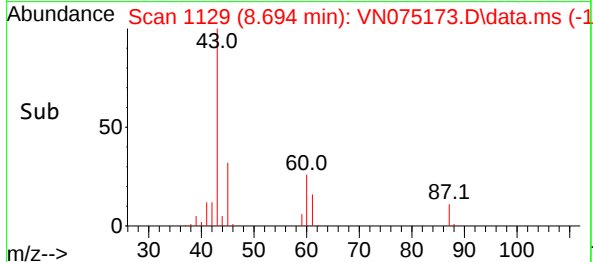
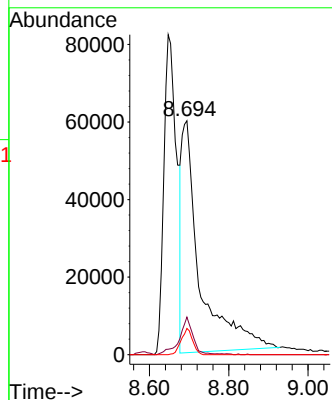
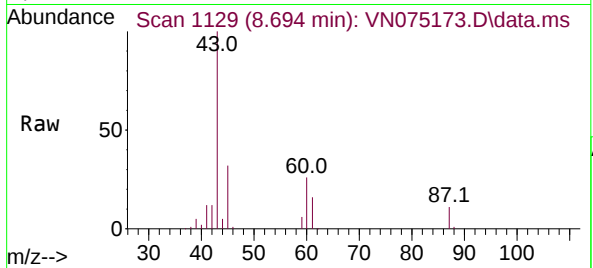




#43
Isopropyl Acetate
Concen: 64.094 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075173.D
Acq: 04 Nov 2022 14:33

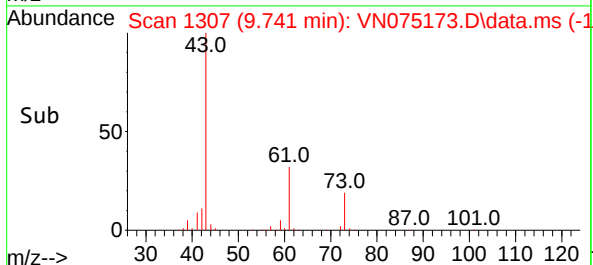
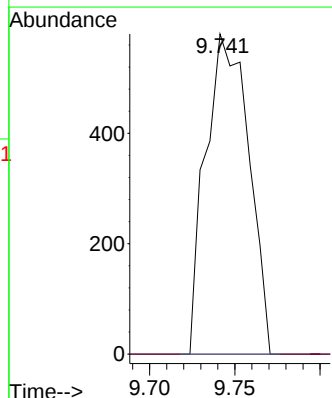
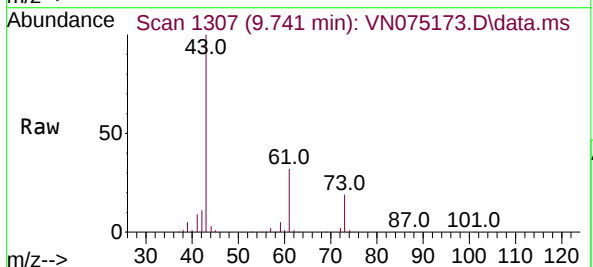
Instrument :
MSVOA_N
ClientSampleId :
PB148795ZHE#02

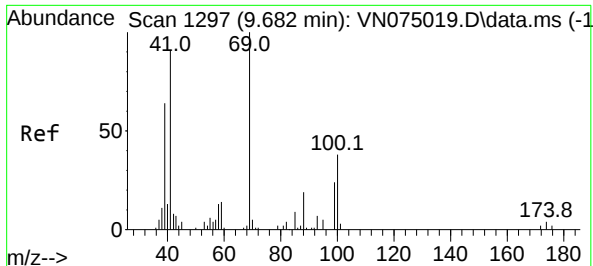
Tgt Ion: 43 Resp: 191852
Ion Ratio Lower Upper
43 100
61 11.9 22.4 33.6#
87 7.0 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.796 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN075173.D
Acq: 04 Nov 2022 14:33

Tgt Ion: 63 Resp: 1020
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#





#48

Methyl methacrylate

Concen: 1.679 ug/l

RT: 9.677 min Scan# 1296

Delta R.T. -0.005 min

Lab File: VN075173.D

Acq: 04 Nov 2022 14:33

Instrument :

MSVOA_N

ClientSampleId :

PB148795ZHE#02

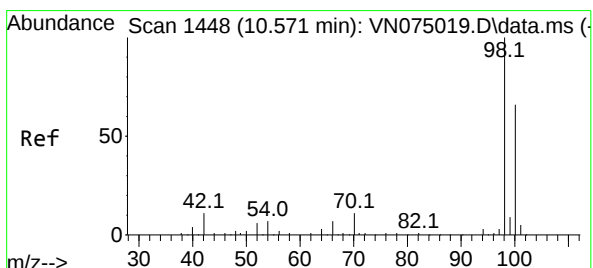
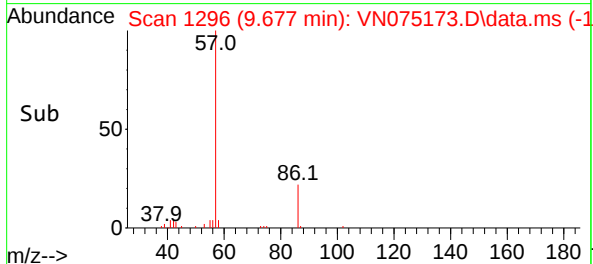
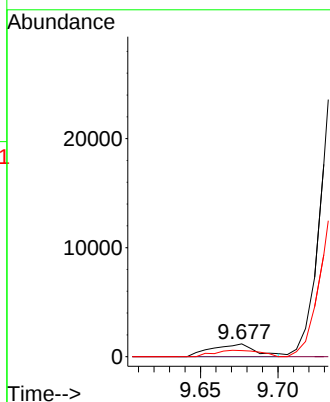
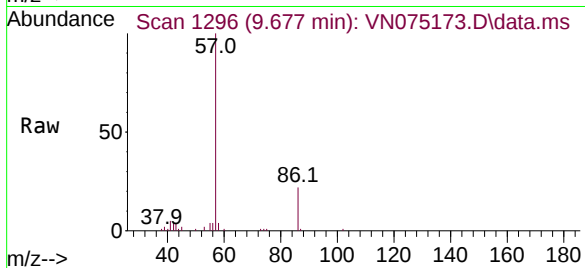
Tgt Ion: 41 Resp: 2306

Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 0.0 56.2 84.2#



#50

Toluene-d8

Concen: 54.116 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN075173.D

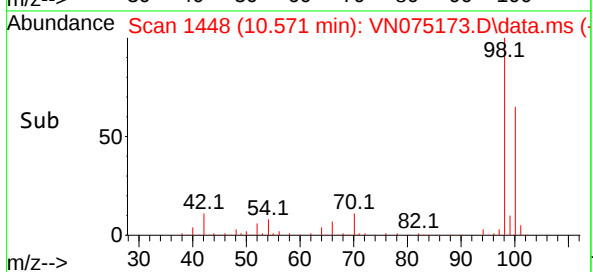
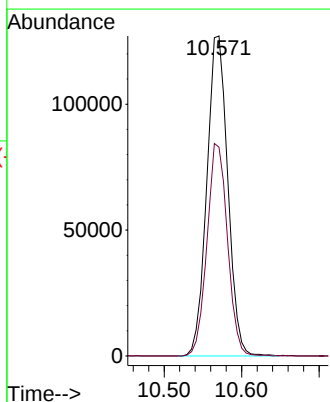
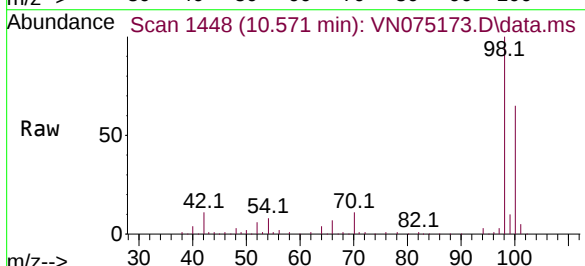
Acq: 04 Nov 2022 14:33

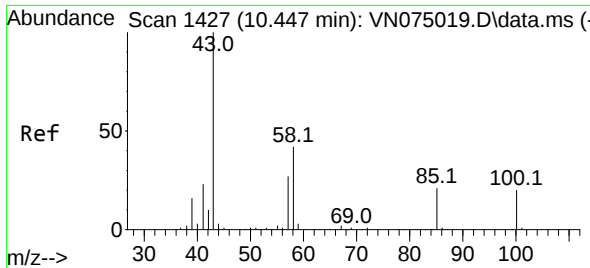
Tgt Ion: 98 Resp: 238628

Ion Ratio Lower Upper

98 100

100 64.9 53.0 79.6

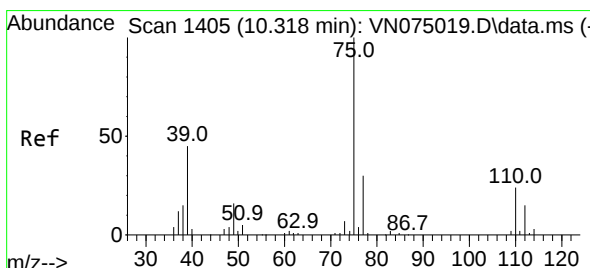
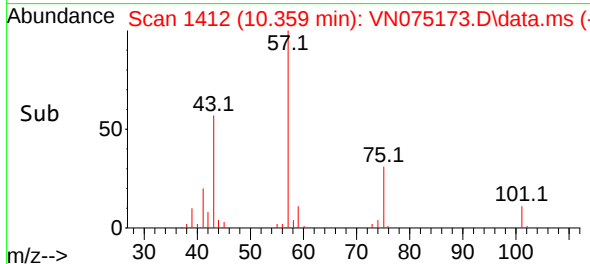
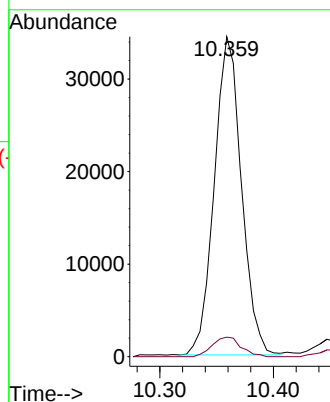
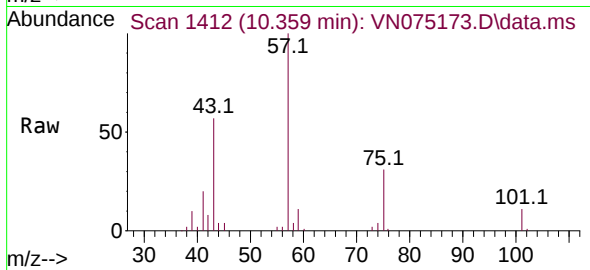




#51
4-Methyl-2-Pentanone
Concen: 29.551 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075173.D
Acq: 04 Nov 2022 14:33

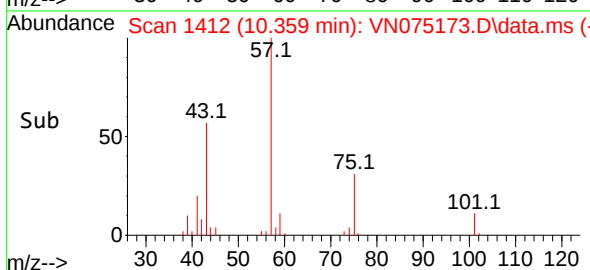
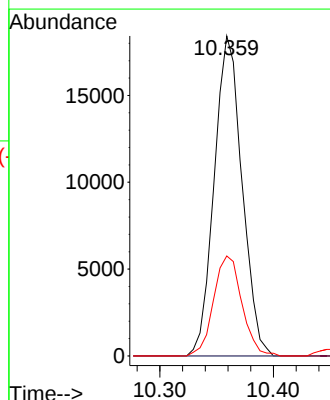
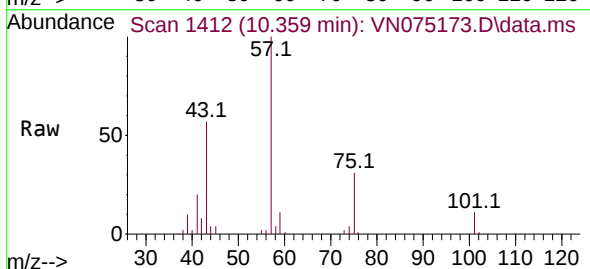
Instrument :
MSVOA_N
ClientSampleId :
PB148795ZHE#02

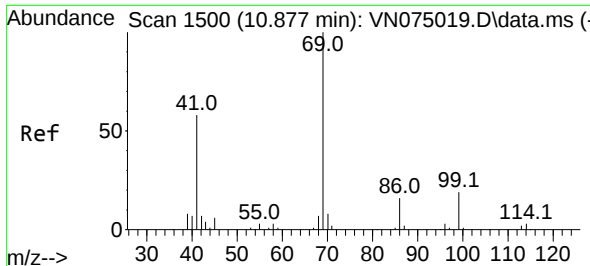
Tgt Ion: 43 Resp: 57080
Ion Ratio Lower Upper
43 100
58 6.5 33.6 50.4#



#54
cis-1,3-Dichloropropene
Concen: 14.466 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.041 min
Lab File: VN075173.D
Acq: 04 Nov 2022 14:33

Tgt Ion: 75 Resp: 31327
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 31.3 35.8 53.6#

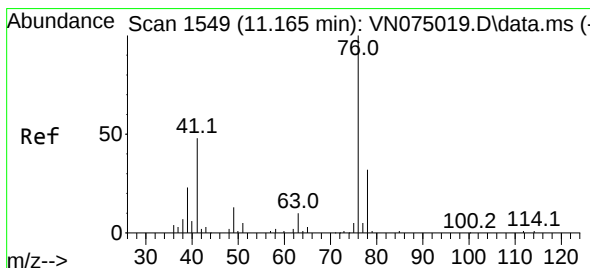
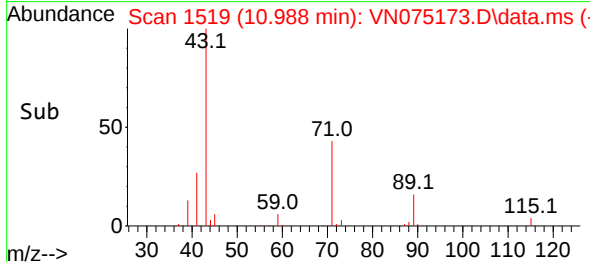
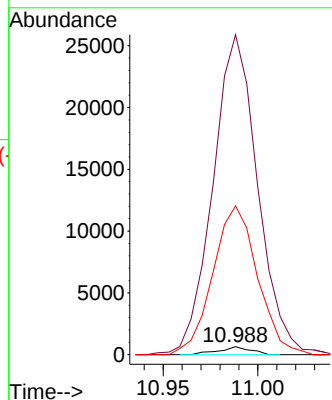
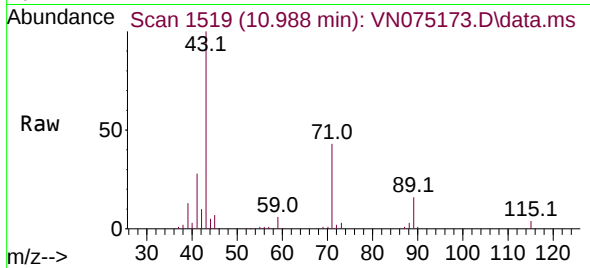




#56
Ethyl methacrylate
Concen: 0.348 ug/l
RT: 10.988 min Scan# 11
Delta R.T. 0.111 min
Lab File: VN075173.D
Acq: 04 Nov 2022 14:33

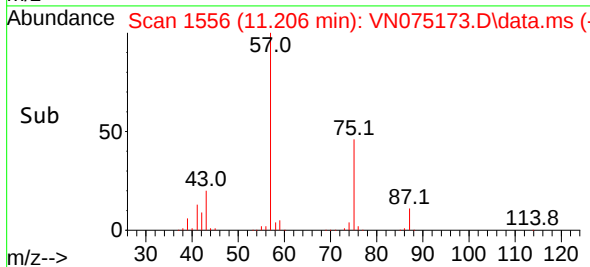
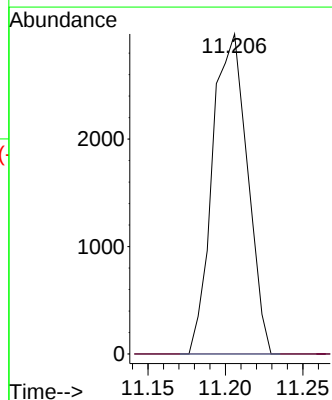
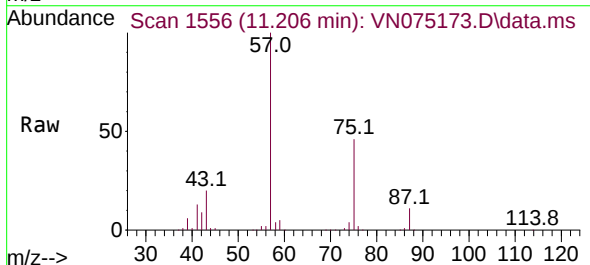
Instrument :
MSVOA_N
ClientSampleId :
PB148795ZHE#02

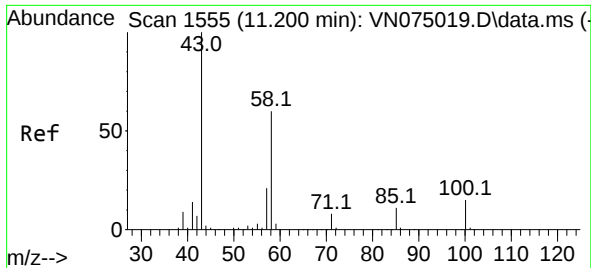
Tgt Ion: 69 Resp: 759
Ion Ratio Lower Upper
69 100
41 5634.9 45.6 68.4#
39 2604.3 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.960 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075173.D
Acq: 04 Nov 2022 14:33

Tgt Ion: 76 Resp: 4661
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

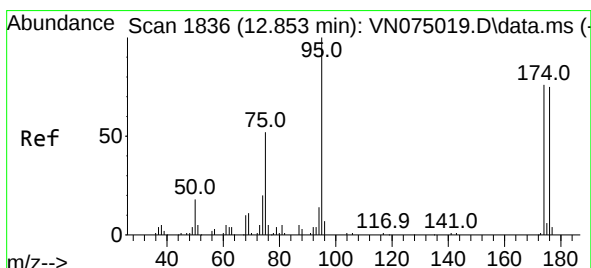
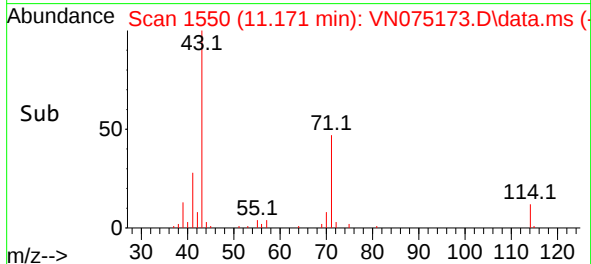
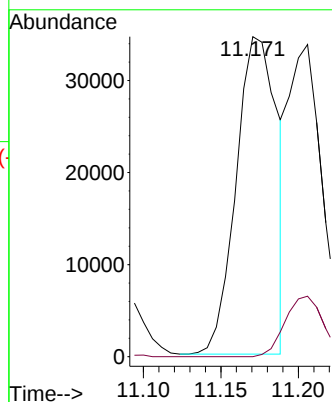
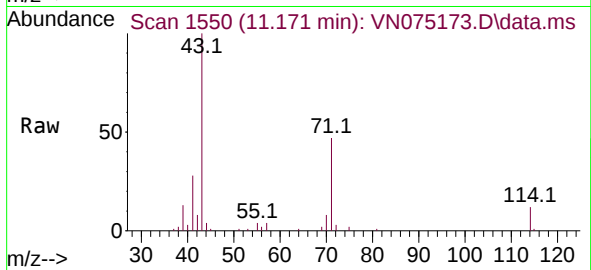




#59
2-Hexanone
Concen: 43.335 ug/l
RT: 11.171 min Scan# 1115
Delta R.T. -0.029 min
Lab File: VN075173.D
Acq: 04 Nov 2022 14:33

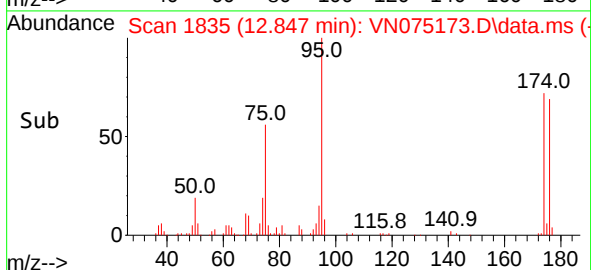
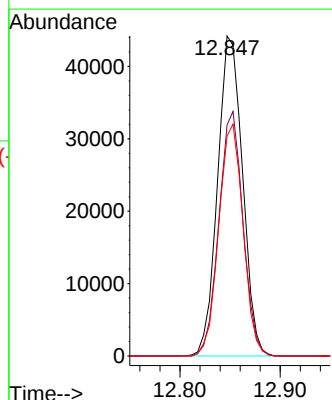
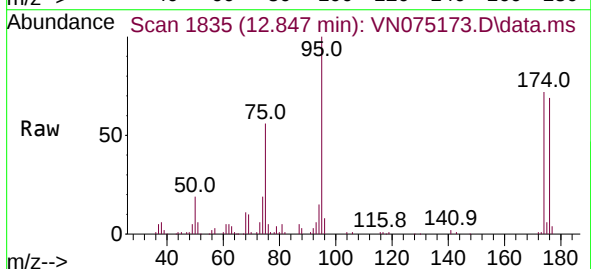
Instrument :
MSVOA_N
ClientSampleId :
PB148795ZHE#02

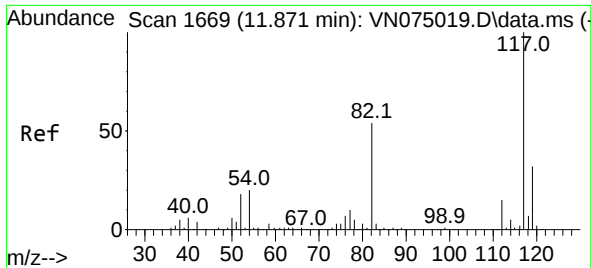
Tgt Ion: 43 Resp: 63529
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 49.230 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN075173.D
Acq: 04 Nov 2022 14:33

Tgt Ion: 95 Resp: 76257
Ion Ratio Lower Upper
95 100
174 73.6 0.0 147.4
176 70.6 0.0 142.2

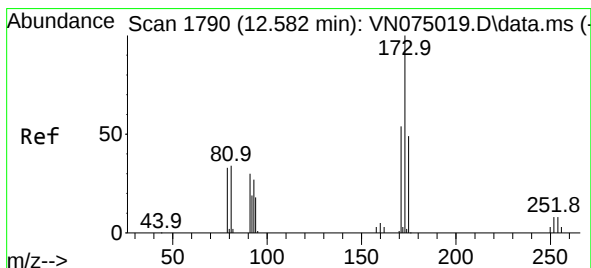
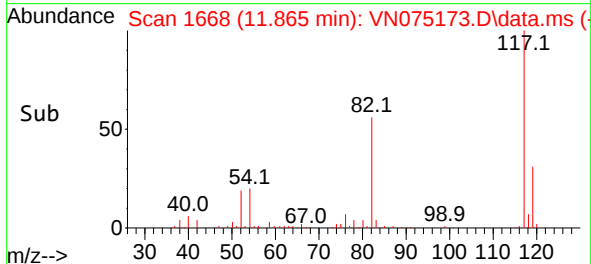
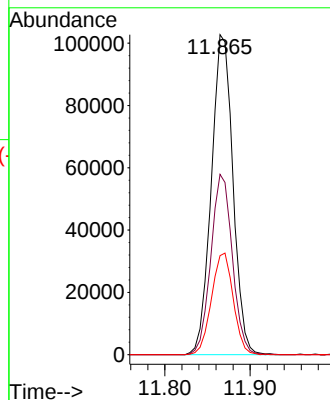
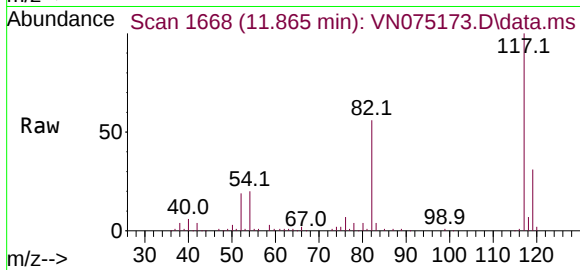




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075173.D
Acq: 04 Nov 2022 14:33

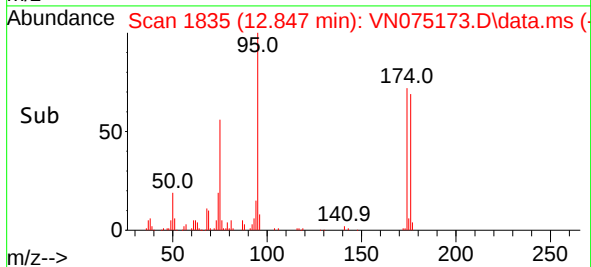
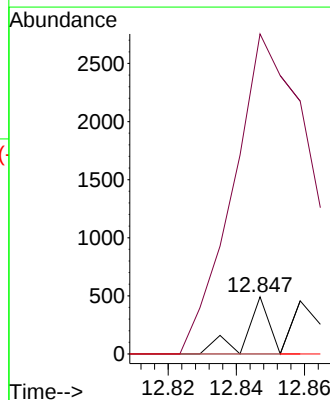
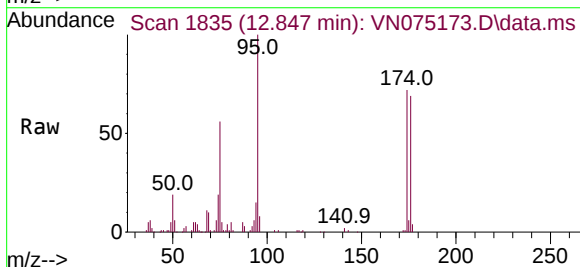
Instrument :
MSVOA_N
ClientSampleId :
PB148795ZHE#02

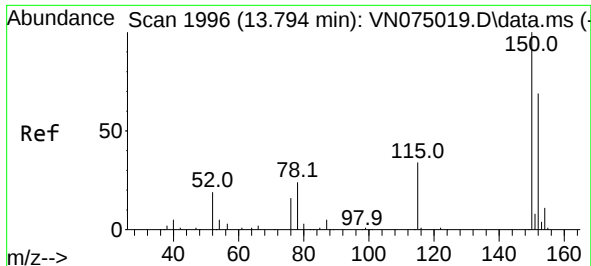
Tgt Ion:117 Resp: 181202
Ion Ratio Lower Upper
117 100
82 56.3 43.1 64.7
119 30.9 25.5 38.3



#71
Bromoform
Concen: 0.213 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075173.D
Acq: 04 Nov 2022 14:33

Tgt Ion:173 Resp: 229
Ion Ratio Lower Upper
173 100
175 1596.5 24.6 74.0#
254 0.0 0.0 0.0

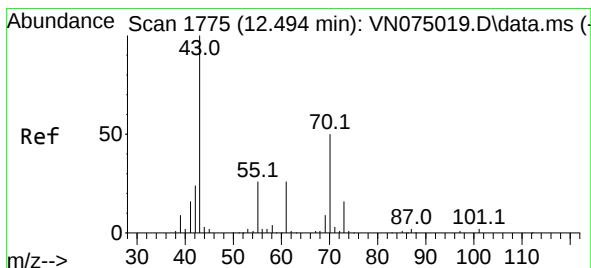
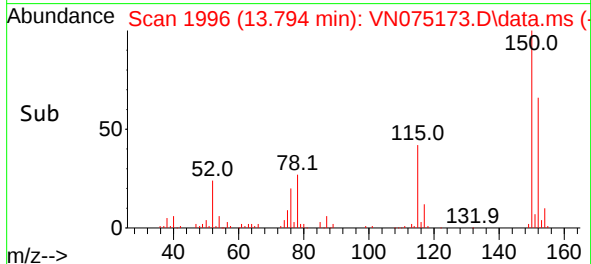
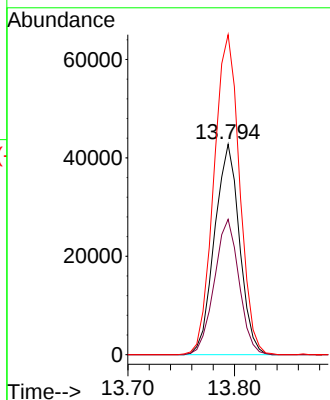
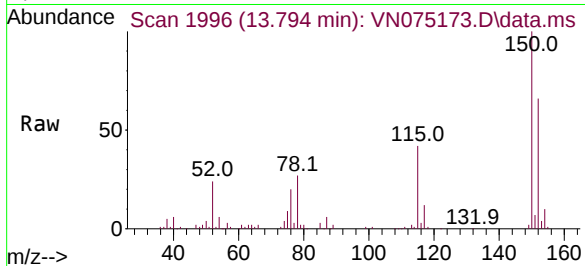




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075173.D
Acq: 04 Nov 2022 14:33

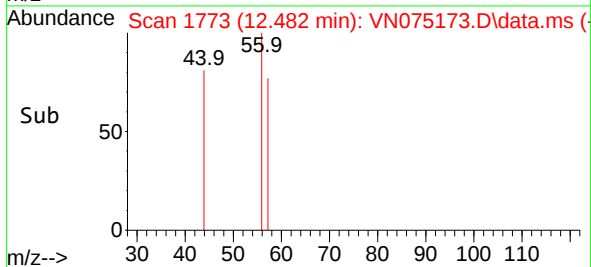
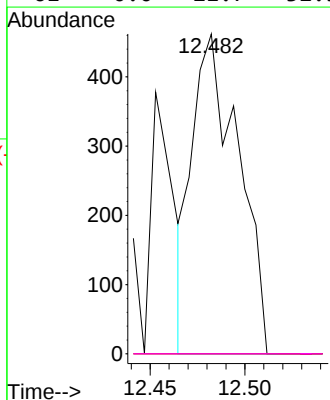
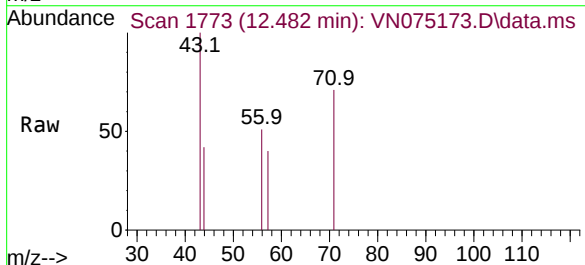
Instrument :
MSVOA_N
ClientSampleId :
PB148795ZHE#02

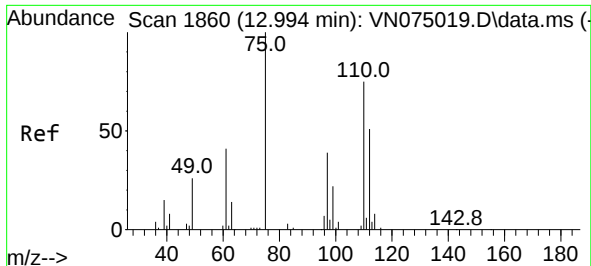
Tgt Ion:152 Resp: 69491
Ion Ratio Lower Upper
152 100
115 63.7 30.2 90.6
150 156.3 0.0 348.4



#74
N-ethyl acetate
Concen: 0.378 ug/l
RT: 12.482 min Scan# 1773
Delta R.T. -0.012 min
Lab File: VN075173.D
Acq: 04 Nov 2022 14:33

Tgt Ion: 43 Resp: 780
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#

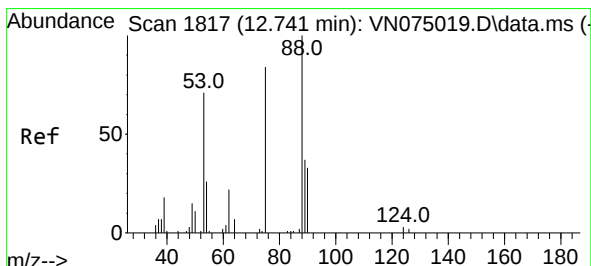
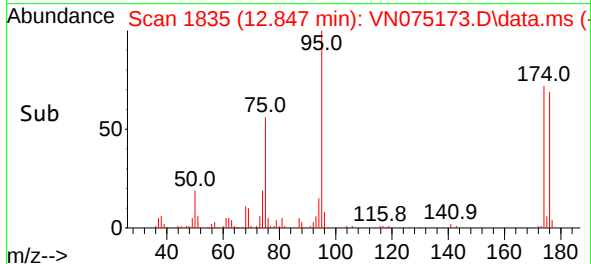
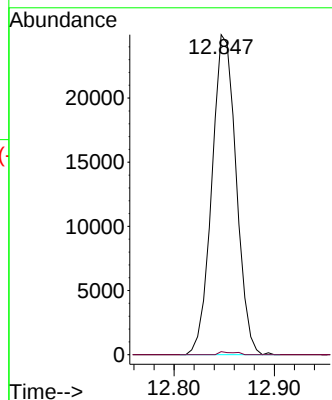
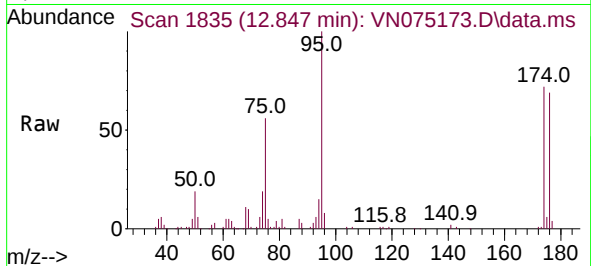




#76
1,2,3-Trichloropropane
Concen: 28.398 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075173.D
Acq: 04 Nov 2022 14:33

Instrument :
MSVOA_N
ClientSampleId :
PB148795ZHE#02

Tgt Ion: 75 Resp: 41900
Ion Ratio Lower Upper
75 100
77 0.6 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.896 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.106 min
Lab File: VN075173.D
Acq: 04 Nov 2022 14:33

Tgt Ion: 75 Resp: 41900
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

