

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112222\
 Data File : VN075371.D
 Acq On : 22 Nov 2022 16:32
 Operator : JC\MD
 Sample : PB149226ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149226ZHE#03

Quant Time: Nov 23 07:11:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

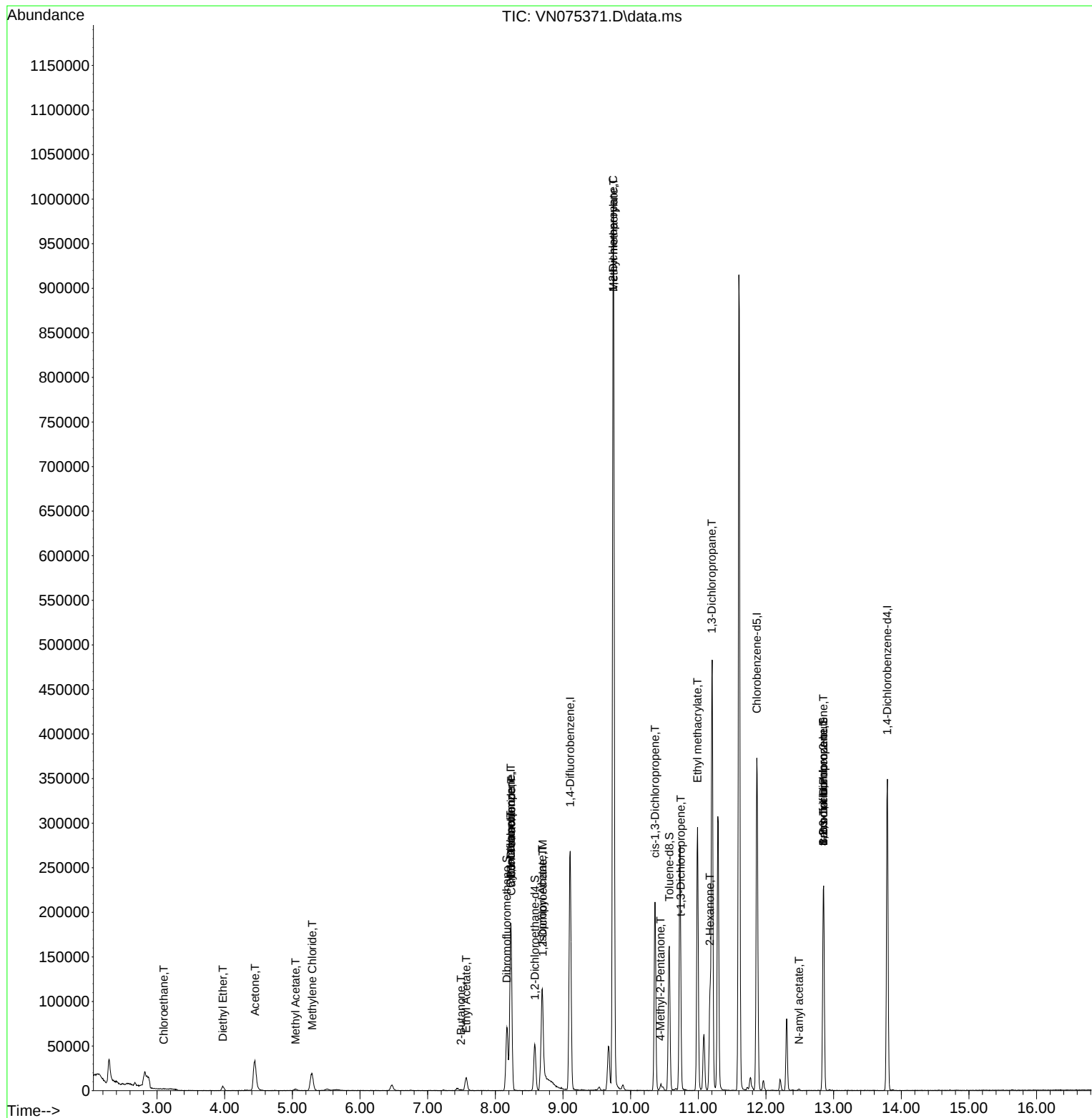
Internal Standards						
1) Pentafluorobenzene	8.230	168	142845	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	248394	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	232270	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	98869	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	42853	55.888	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.780%			
35) Dibromofluoromethane	8.171	113	51768	53.053	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.100%			
50) Toluene-d8	10.571	98	116637	53.072	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.140%			
62) 4-Bromofluorobenzene	12.847	95	83865	51.700	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.400%			
Target Compounds					Qvalue	
6) Chloroethane	3.101	64	411	0.317	ug/l #	45
8) Diethyl Ether	3.971	74	3153	3.676	ug/l	99
16) Acetone	4.448	43	65148	91.089	ug/l	97
18) Methyl Acetate	5.048	43	3683	0.767	ug/l #	72
20) Methylene Chloride	5.295	84	16332	10.244	ug/l	86
25) 2-Butanone	7.494	43	1254	1.256	ug/l	97
31) Cyclohexane	8.224	56	2540	1.043	ug/l #	11
36) 1,1-Dichloropropene	8.230	75	10342	4.860	ug/l #	49
37) Ethyl Acetate	7.571	43	21269	11.100	ug/l	98
38) Carbon Tetrachloride	8.236	117	14394	6.158	ug/l #	16
42) 1,2-Dichloroethane	8.700	62	541	0.248	ug/l #	75
43) Isopropyl Acetate	8.694	43	140858	45.800	ug/l #	83
45) 1,2-Dichloropropane	9.741	63	1224	0.788	ug/l #	42
48) Methyl methacrylate	9.747	41	86693	60.961	ug/l #	35
51) 4-Methyl-2-Pentanone	10.441	43	3638	1.857	ug/l	92
53) t-1,3-Dichloropropene	10.741	75	709	0.311	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	42422	17.108	ug/l #	64
56) Ethyl methacrylate	10.988	69	974	0.422	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5149	1.847	ug/l #	42
59) 2-Hexanone	11.171	43	82547	56.120	ug/l #	21
71) Bromoform	12.847	173	543	0.399	ug/l #	28
74) N-amyl acetate	12.488	43	946	0.426	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	41092	21.982	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	41092	65.040	ug/l #	10

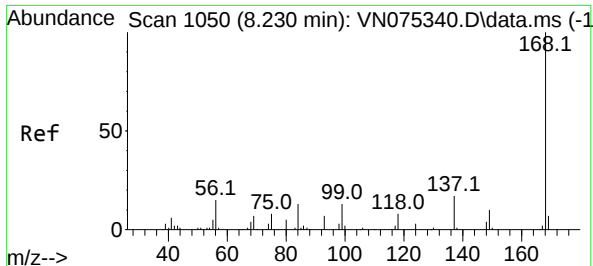
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 23 00:18:03 2022
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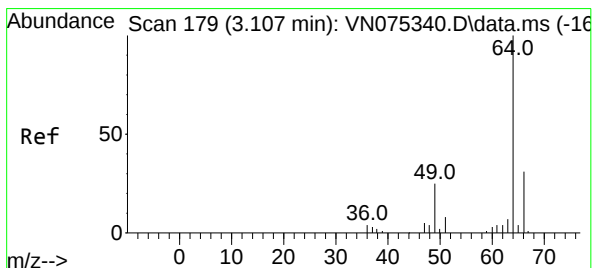
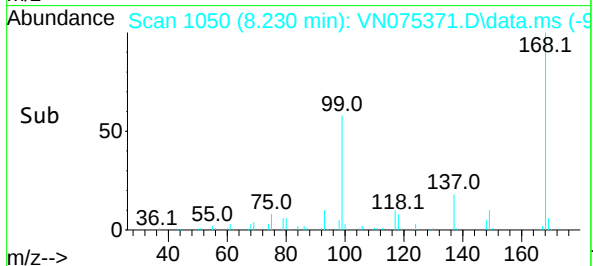
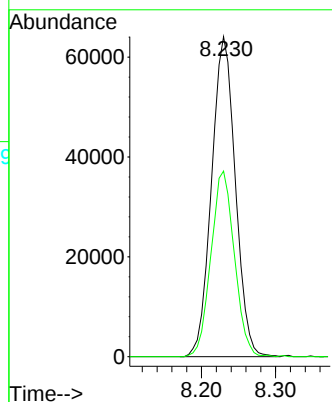
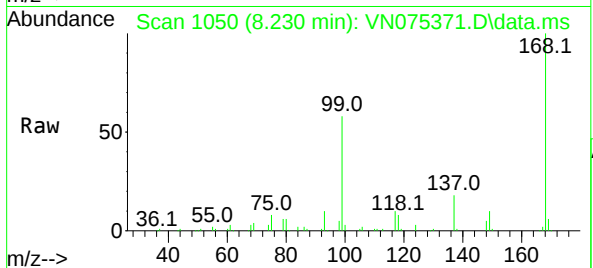




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075371.D
Acq: 22 Nov 2022 16:32

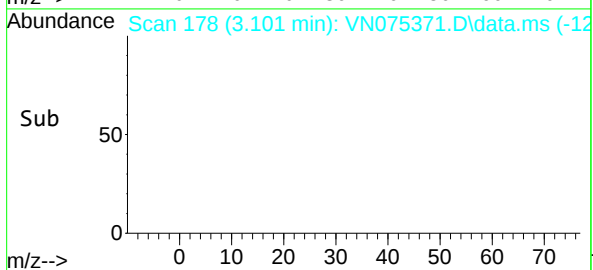
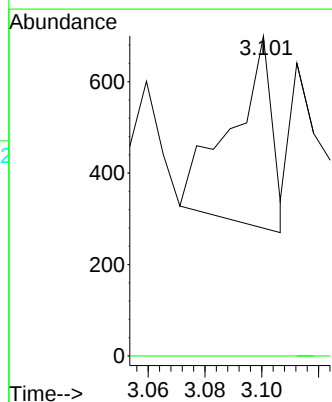
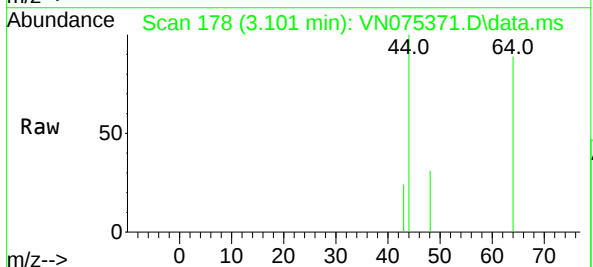
Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#03

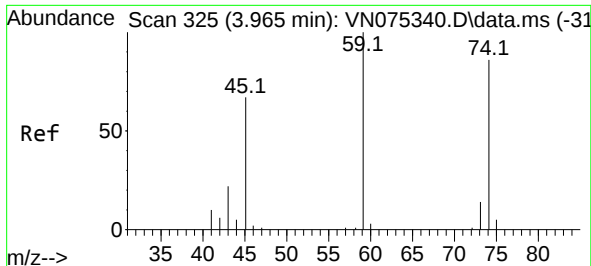
Tgt Ion:168 Resp: 142845
Ion Ratio Lower Upper
168 100
99 58.0 51.6 77.4



#6
Chloroethane
Concen: 0.317 ug/l
RT: 3.101 min Scan# 178
Delta R.T. -0.006 min
Lab File: VN075371.D
Acq: 22 Nov 2022 16:32

Tgt Ion: 64 Resp: 411
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#

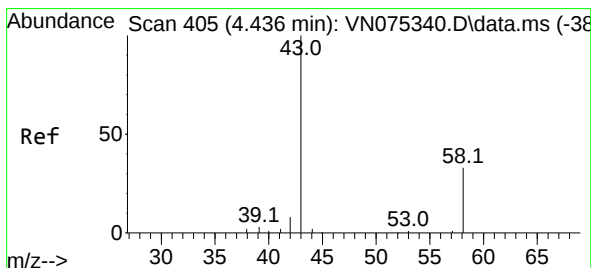
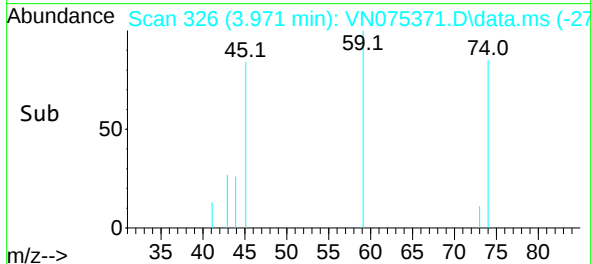
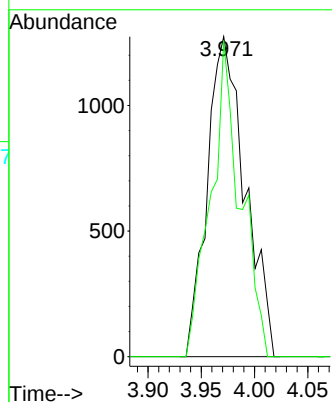
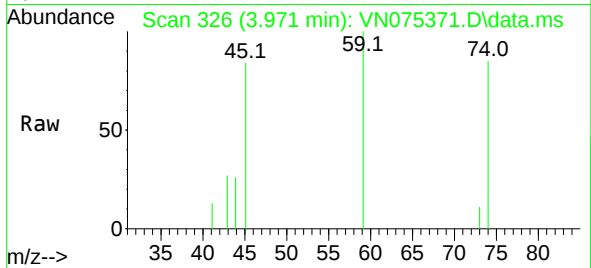




#8
Diethyl Ether
Concen: 3.676 ug/l
RT: 3.971 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN075371.D
Acq: 22 Nov 2022 16:32

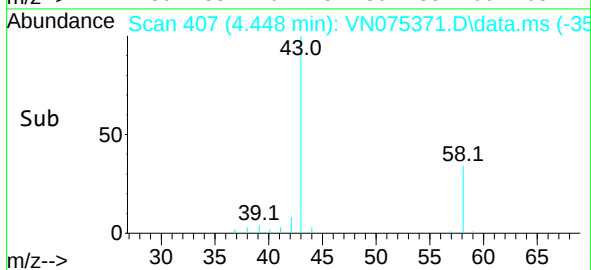
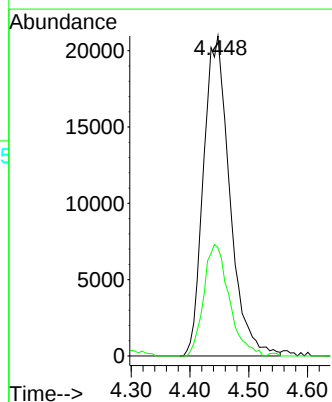
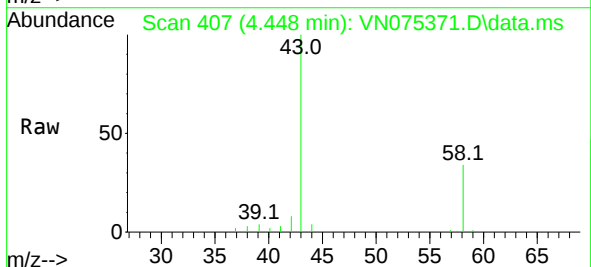
Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#03

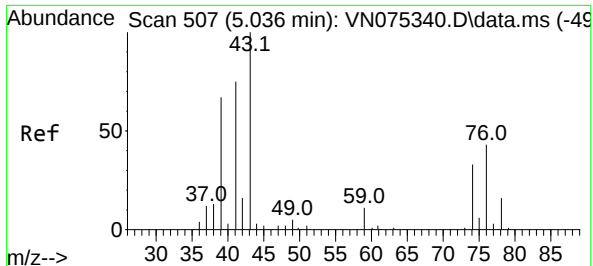
Tgt Ion: 74 Resp: 3153
Ion Ratio Lower Upper
74 100
45 77.4 39.3 117.9



#16
Acetone
Concen: 91.089 ug/l
RT: 4.448 min Scan# 407
Delta R.T. 0.012 min
Lab File: VN075371.D
Acq: 22 Nov 2022 16:32

Tgt Ion: 43 Resp: 65148
Ion Ratio Lower Upper
43 100
58 33.8 25.5 38.3

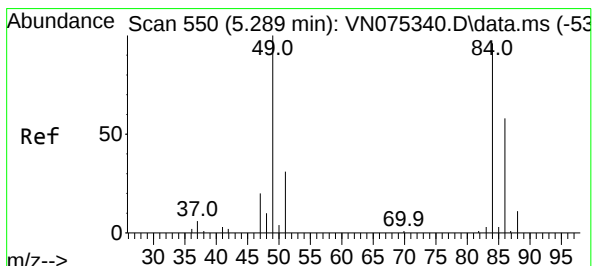
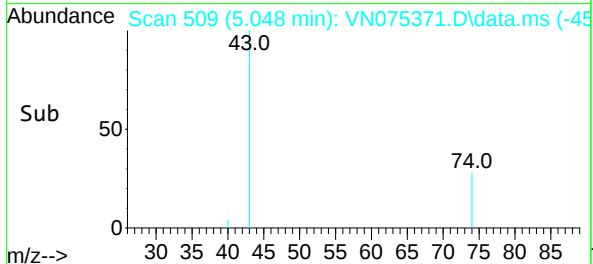
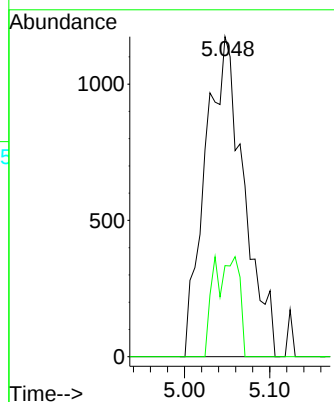
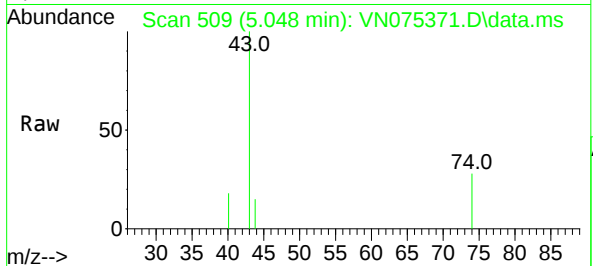




#18
Methyl Acetate
Concen: 0.767 ug/l
RT: 5.048 min Scan# 509
Delta R.T. 0.012 min
Lab File: VN075371.D
Acq: 22 Nov 2022 16:32

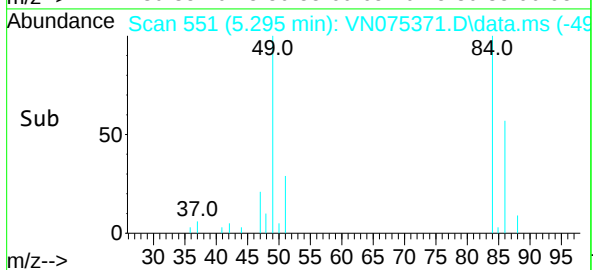
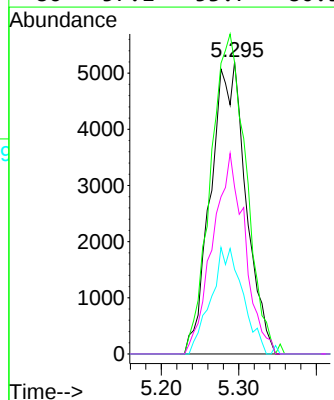
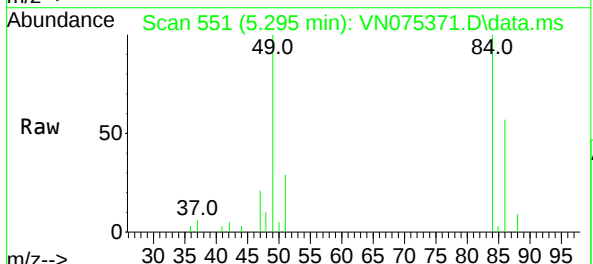
Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#03

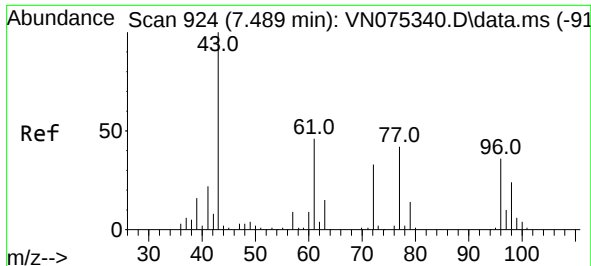
Tgt Ion: 43 Resp: 3683
Ion Ratio Lower Upper
43 100
74 12.7 22.0 33.0#



#20
Methylene Chloride
Concen: 10.244 ug/l
RT: 5.295 min Scan# 551
Delta R.T. 0.006 min
Lab File: VN075371.D
Acq: 22 Nov 2022 16:32

Tgt Ion: 84 Resp: 16332
Ion Ratio Lower Upper
84 100
49 99.7 94.9 142.3
51 28.9 26.8 40.2
86 57.1 53.7 80.5





#25

2-Butanone

Concen: 1.256 ug/l

RT: 7.494 min Scan# 91

Delta R.T. 0.005 min

Lab File: VN075371.D

Acq: 22 Nov 2022 16:32

Instrument :

MSVOA_N

ClientSampleId :

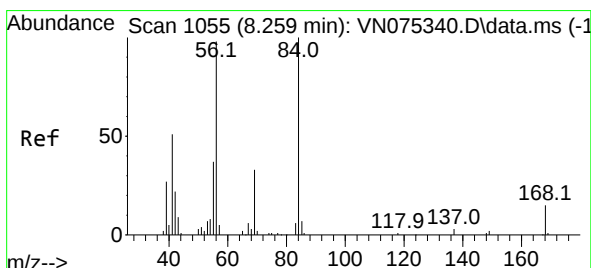
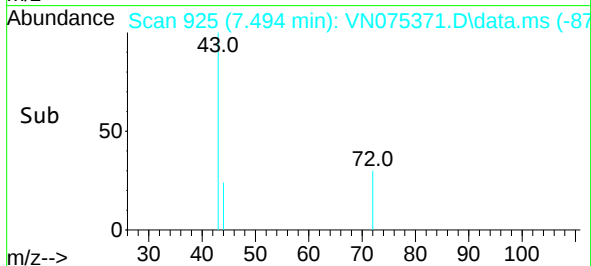
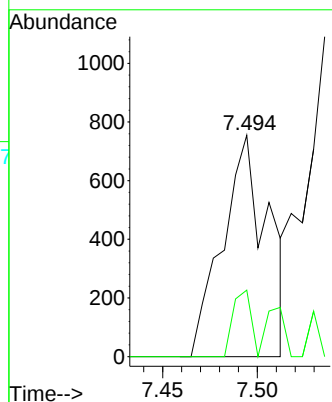
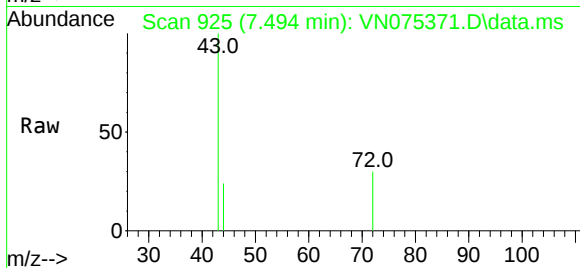
PB149226ZHE#03

Tgt Ion: 43 Resp: 1254

Ion Ratio Lower Upper

43 100

72 30.1 25.5 38.3



#31

Cyclohexane

Concen: 1.043 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.035 min

Lab File: VN075371.D

Acq: 22 Nov 2022 16:32

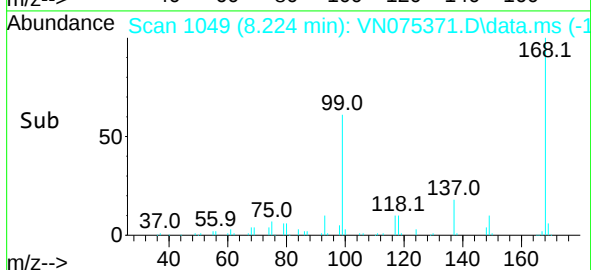
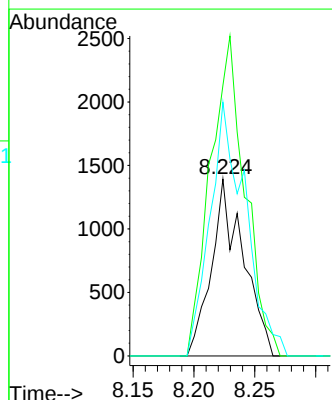
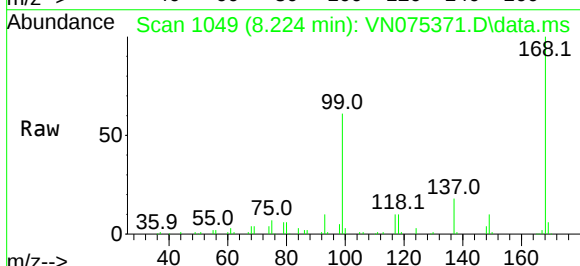
Tgt Ion: 56 Resp: 2540

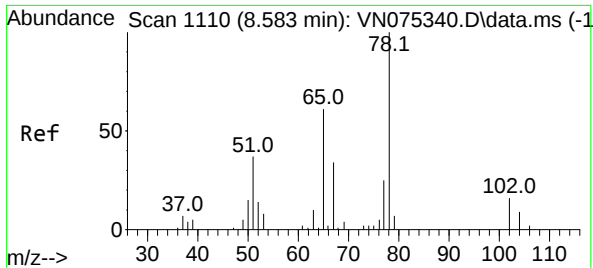
Ion Ratio Lower Upper

56 100

69 153.0 25.2 37.8#

84 143.4 77.8 116.8#





#33

1,2-Dichloroethane-d4

Concen: 55.888 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN075371.D

Acq: 22 Nov 2022 16:32

Instrument :

MSVOA_N

ClientSampleId :

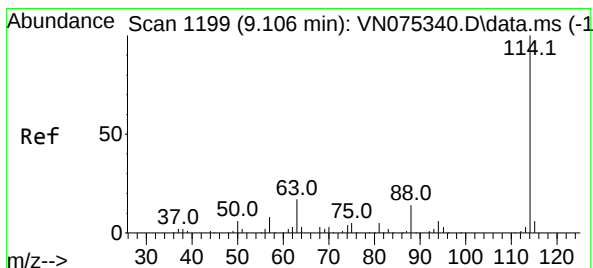
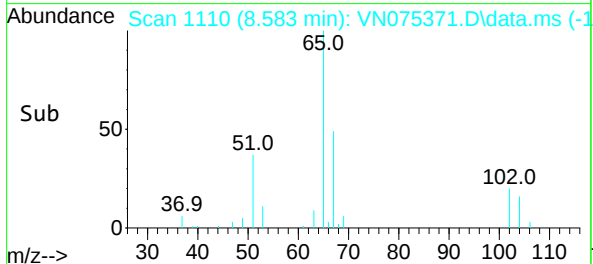
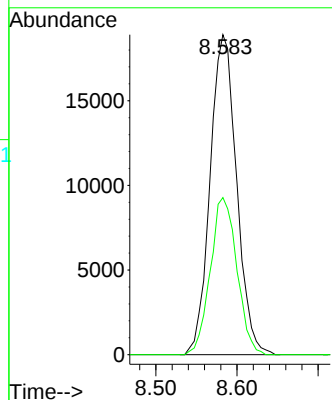
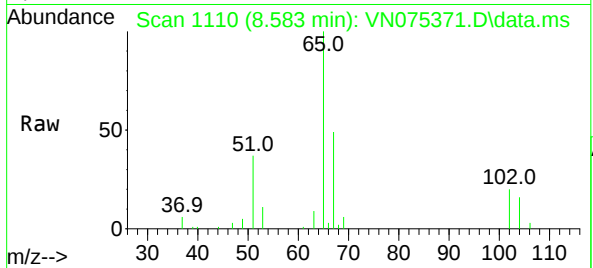
PB149226ZHE#03

Tgt Ion: 65 Resp: 42853

Ion Ratio Lower Upper

65 100

67 49.2 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: VN075371.D

Acq: 22 Nov 2022 16:32

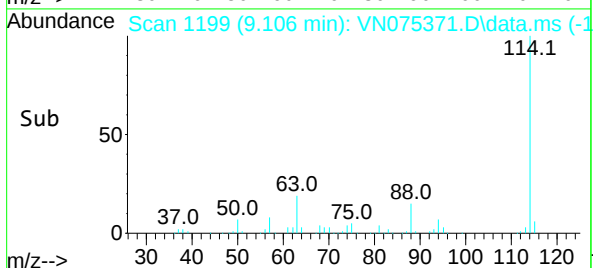
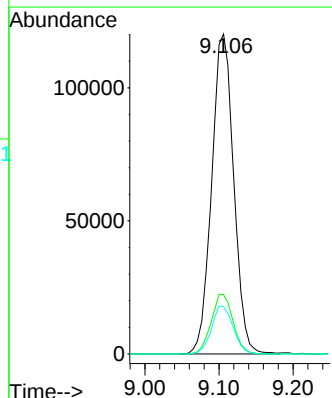
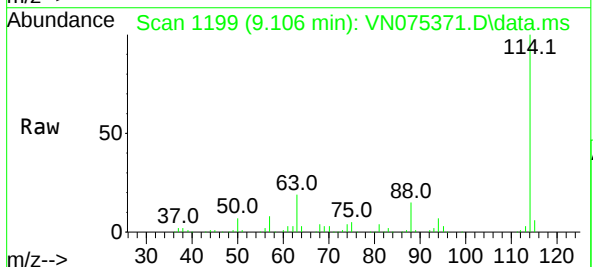
Tgt Ion: 114 Resp: 248394

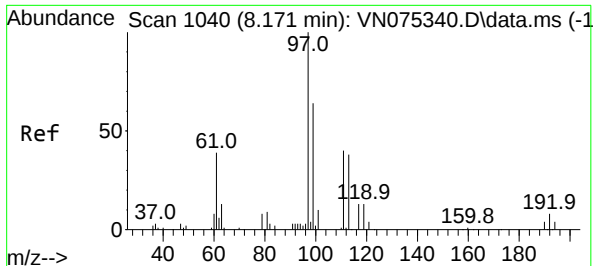
Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.6

88 14.8 0.0 29.0





#35

Dibromofluoromethane

Concen: 53.053 ug/l

RT: 8.171 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN075371.D

Acq: 22 Nov 2022 16:32

Instrument :

MSVOA_N

ClientSampleId :

PB149226ZHE#03

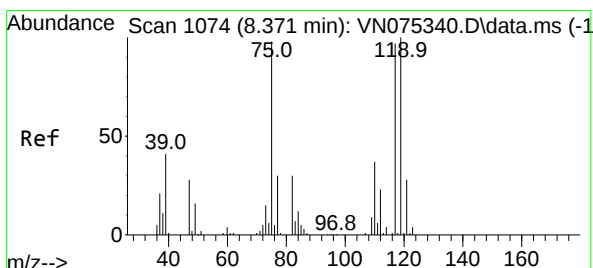
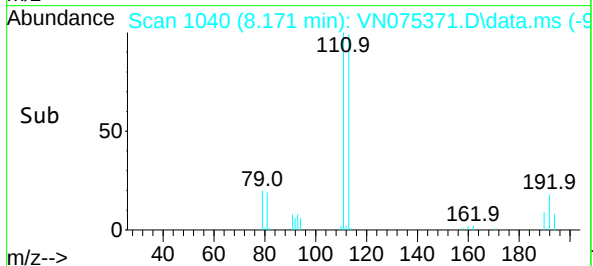
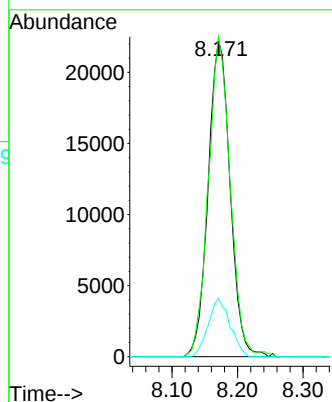
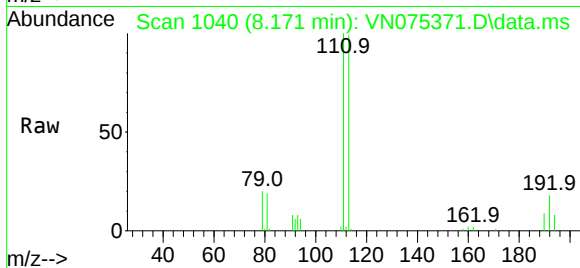
Tgt Ion:113 Resp: 51768

Ion Ratio Lower Upper

113 100

111 101.2 80.5 120.7

192 18.3 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.860 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN075371.D

Acq: 22 Nov 2022 16:32

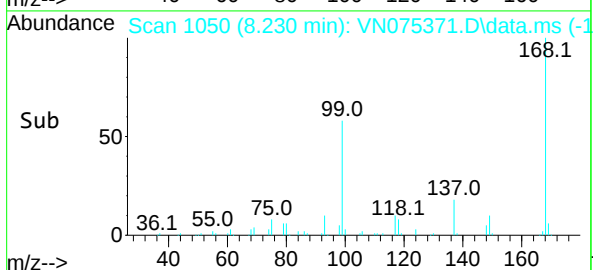
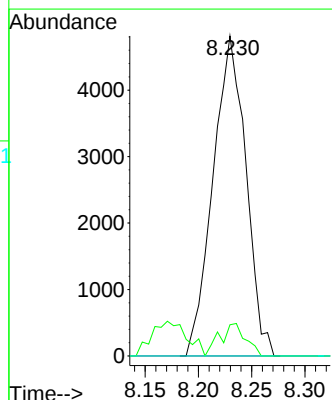
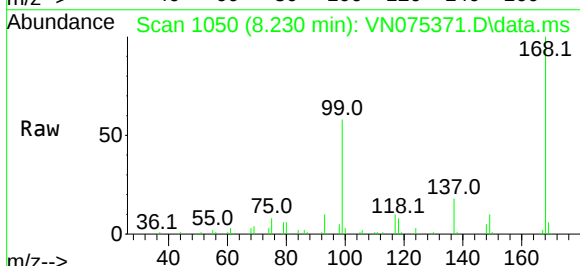
Tgt Ion: 75 Resp: 10342

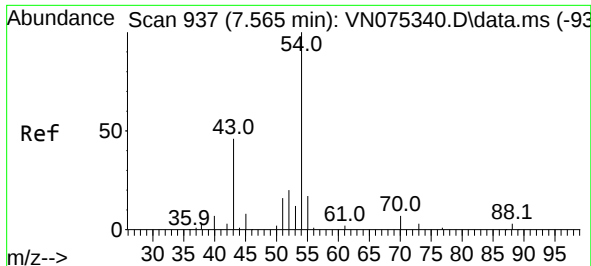
Ion Ratio Lower Upper

75 100

110 7.9 17.8 53.3#

77 0.0 24.6 37.0#

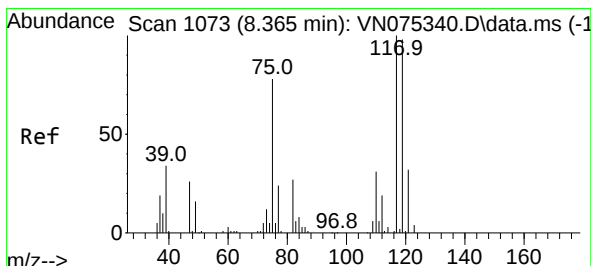
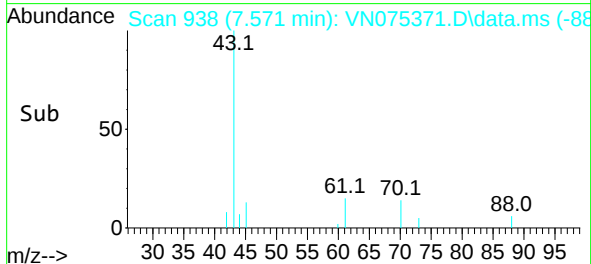
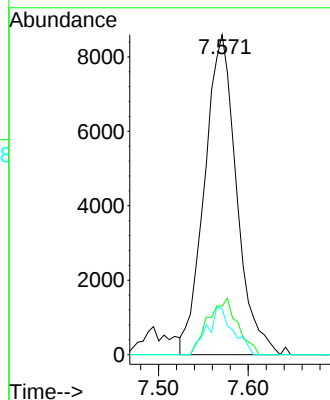
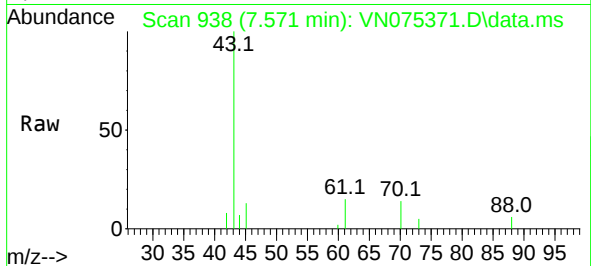




#37
Ethyl Acetate
Concen: 11.100 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075371.D
Acq: 22 Nov 2022 16:32

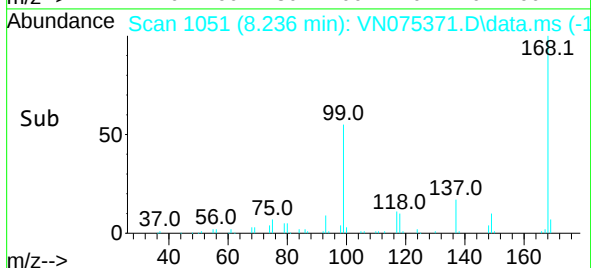
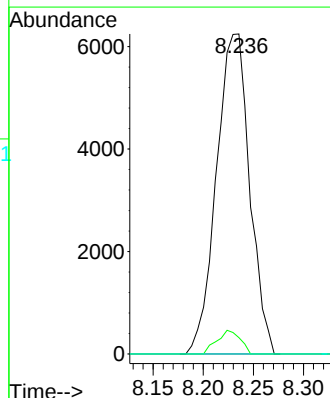
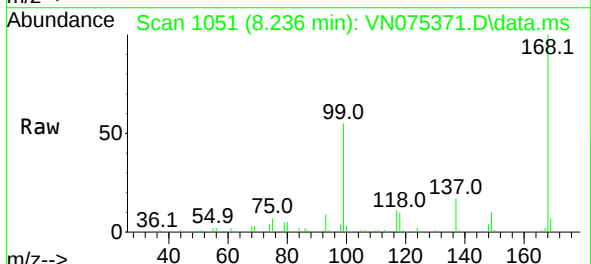
Instrument :
MSVOA_N
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PB149226ZHE#03

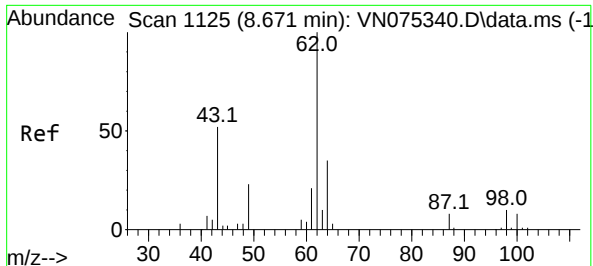
Tgt Ion: 43	Resp: 21269
Ion Ratio	Lower Upper
43 100	
61 16.2	12.2 18.4
70 12.1	9.4 14.2



#38
Carbon Tetrachloride
Concen: 6.158 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.129 min
Lab File: VN075371.D
Acq: 22 Nov 2022 16:32

Tgt Ion:117	Resp:	14394	
Ion	Ratio	Lower	Upper
117	100		
119	5.1	76.7	115.1#
121	0.0	23.9	35.9#





#42

1,2-Dichloroethane

Concen: 0.248 ug/l

RT: 8.700 min Scan# 1125

Delta R.T. 0.029 min

Lab File: VN075371.D

Acq: 22 Nov 2022 16:32

Instrument :

MSVOA_N

ClientSampleId :

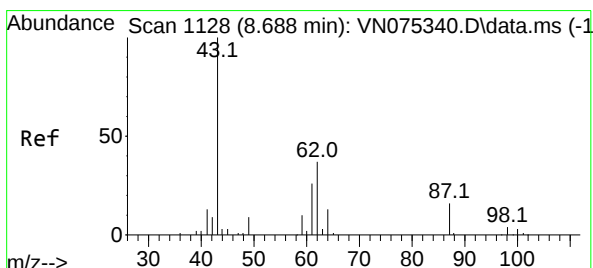
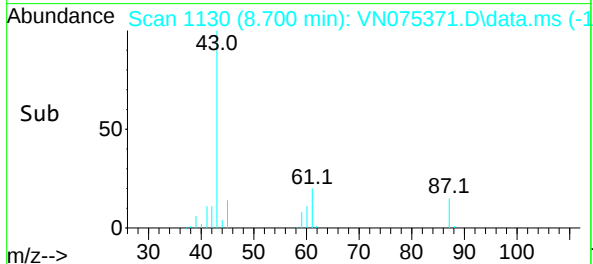
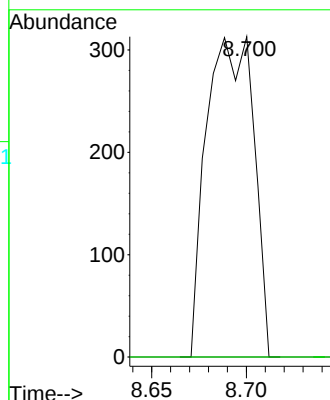
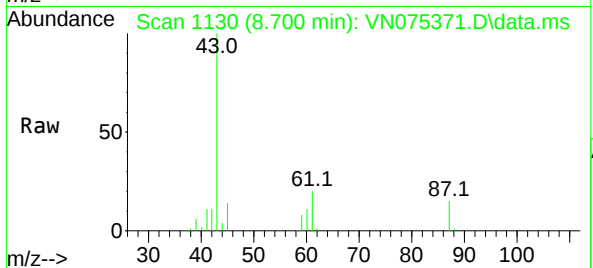
PB149226ZHE#03

Tgt Ion: 62 Resp: 541

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 45.800 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VN075371.D

Acq: 22 Nov 2022 16:32

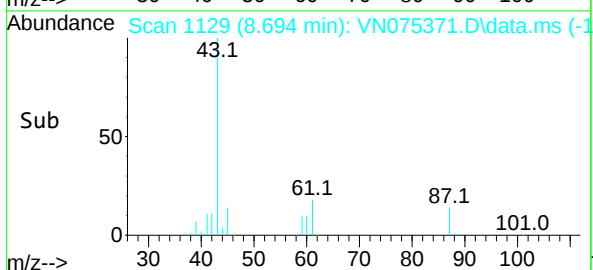
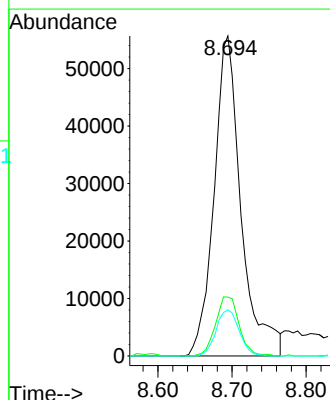
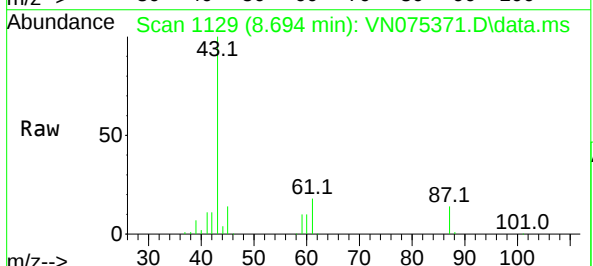
Tgt Ion: 43 Resp: 140858

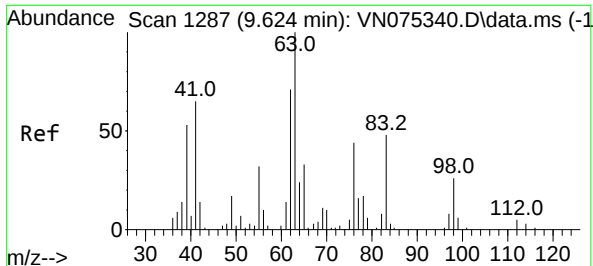
Ion Ratio Lower Upper

43 100

61 16.2 22.4 33.6#

87 12.3 12.5 18.7#





#45

1,2-Dichloropropane

Concen: 0.788 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN075371.D

Acq: 22 Nov 2022 16:32

Instrument :

MSVOA_N

ClientSampleId :

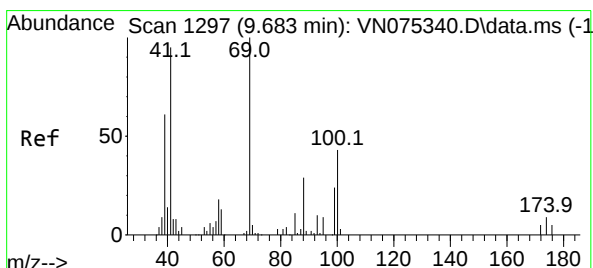
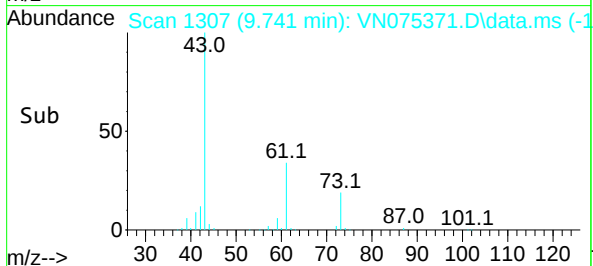
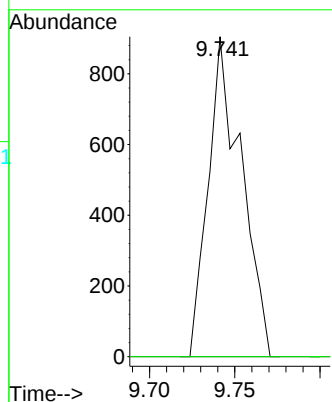
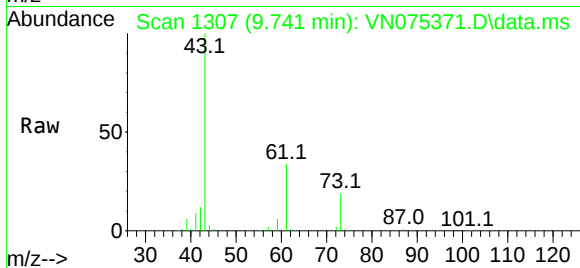
PB149226ZHE#03

Tgt Ion: 63 Resp: 1224

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 60.961 ug/l

RT: 9.747 min Scan# 1308

Delta R.T. 0.064 min

Lab File: VN075371.D

Acq: 22 Nov 2022 16:32

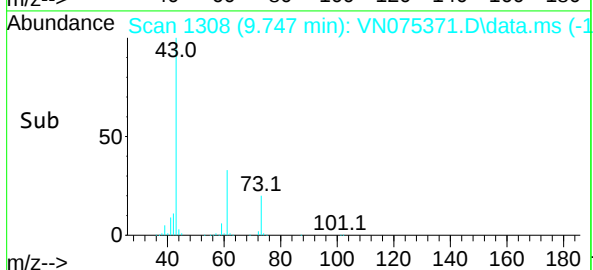
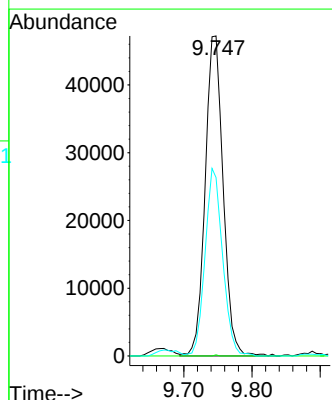
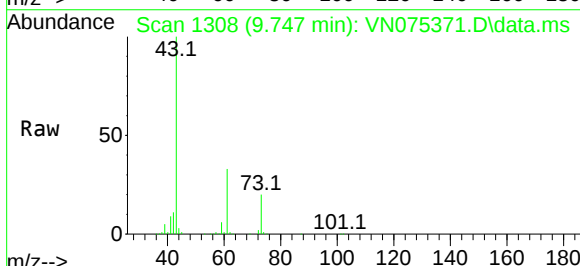
Tgt Ion: 41 Resp: 86693

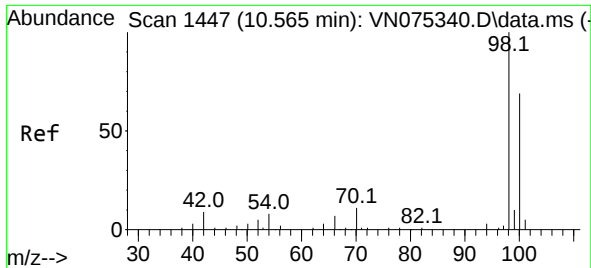
Ion Ratio Lower Upper

41 100

69 0.1 80.2 120.2#

39 57.3 56.2 84.2

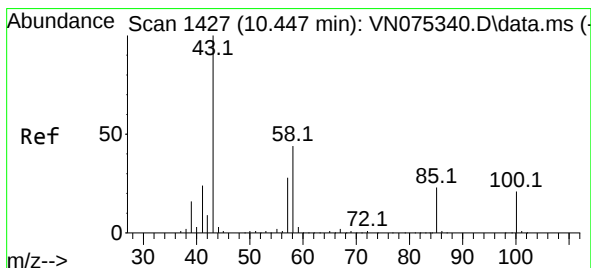
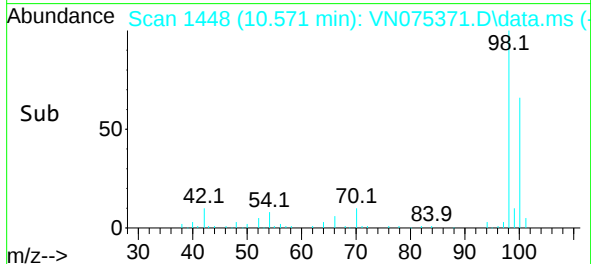
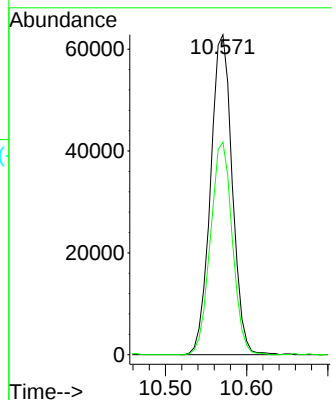
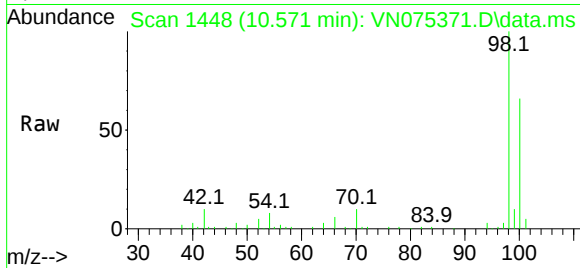




#50
Toluene-d8
Concen: 53.072 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075371.D
Acq: 22 Nov 2022 16:32

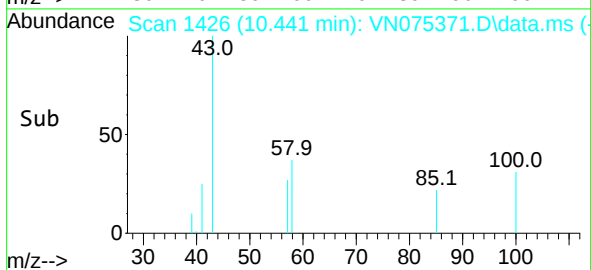
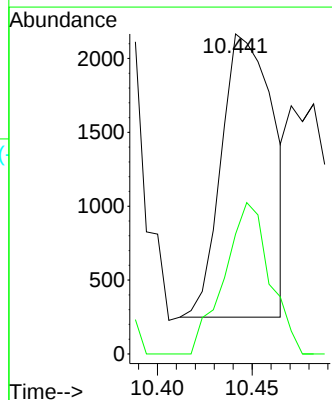
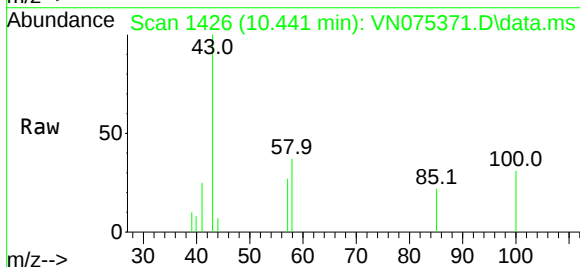
Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#03

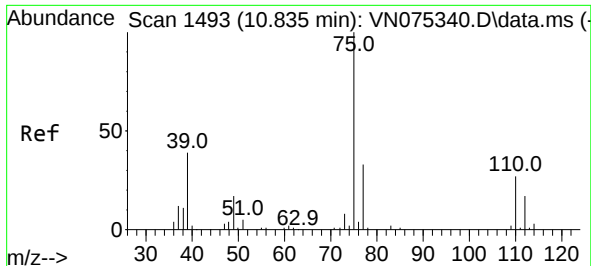
Tgt Ion: 98 Resp: 116637
Ion Ratio Lower Upper
98 100
100 66.9 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 1.857 ug/l
RT: 10.441 min Scan# 1426
Delta R.T. -0.006 min
Lab File: VN075371.D
Acq: 22 Nov 2022 16:32

Tgt Ion: 43 Resp: 3638
Ion Ratio Lower Upper
43 100
58 47.1 33.6 50.4

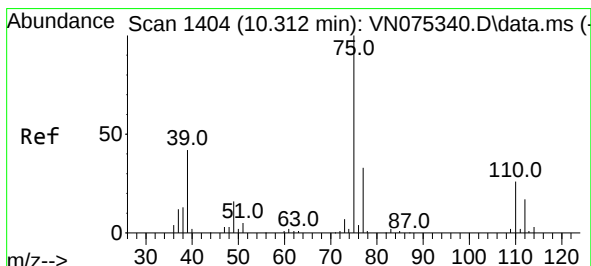
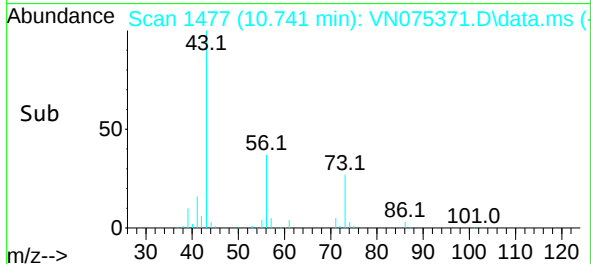
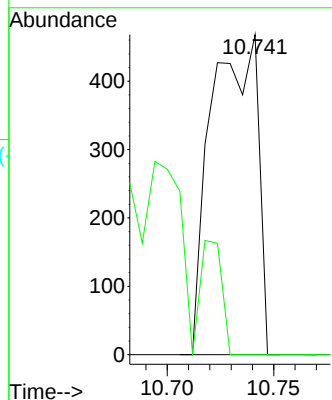
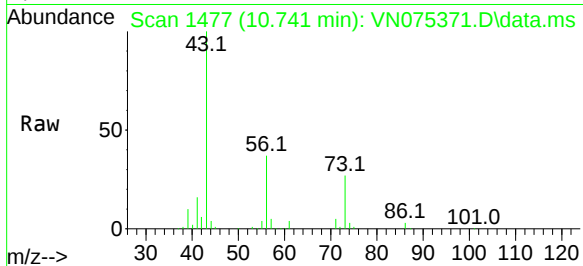




#53
 t-1,3-Dichloropropene
 Concen: 0.311 ug/l
 RT: 10.741 min Scan# 1412
 Delta R.T. -0.094 min
 Lab File: VN075371.D
 Acq: 22 Nov 2022 16:32

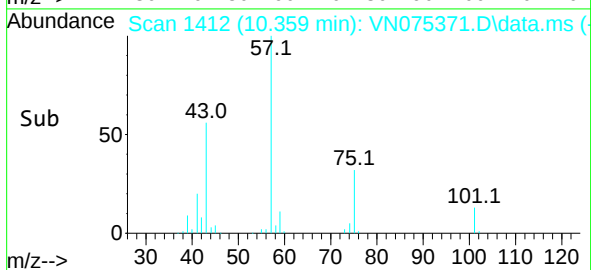
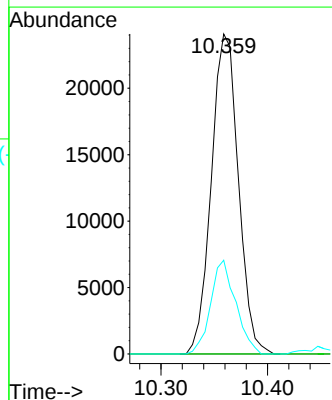
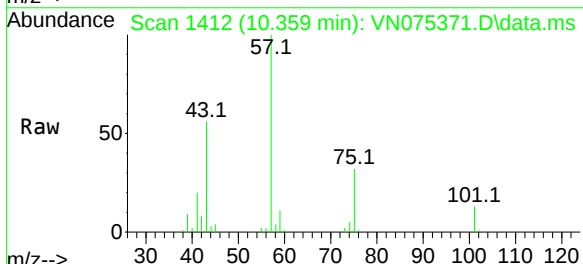
Instrument :
 MSVOA_N
 ClientSampleId :
 PB149226ZHE#03

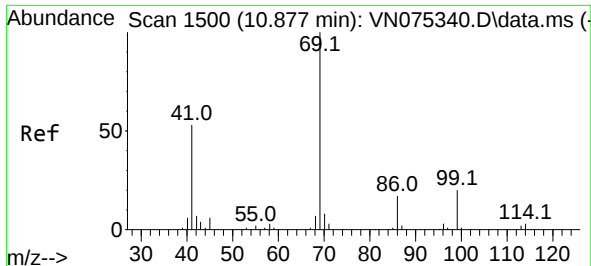
Tgt Ion: 75 Resp: 709
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 17.108 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN075371.D
 Acq: 22 Nov 2022 16:32

Tgt Ion: 75 Resp: 42422
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 29.3 35.8 53.6#

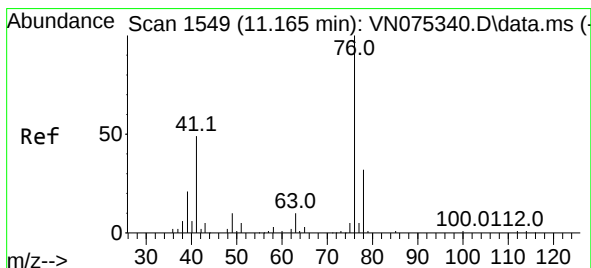
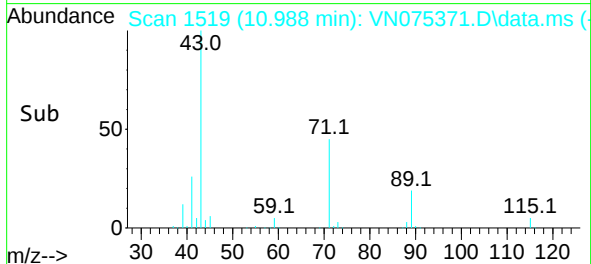
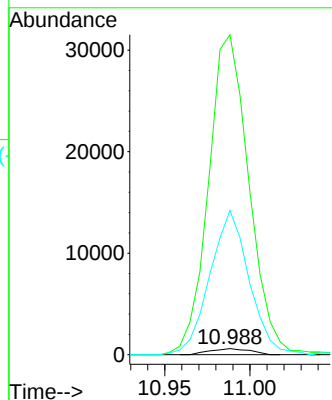
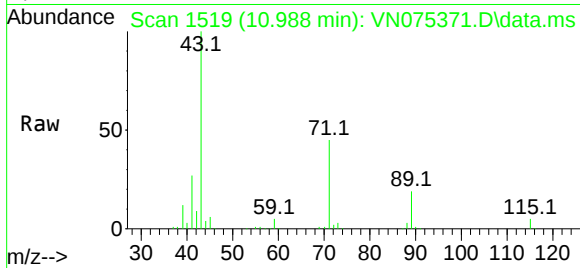




#56
Ethyl methacrylate
Concen: 0.422 ug/l
RT: 10.988 min Scan# 1519
Delta R.T. 0.111 min
Lab File: VN075371.D
Acq: 22 Nov 2022 16:32

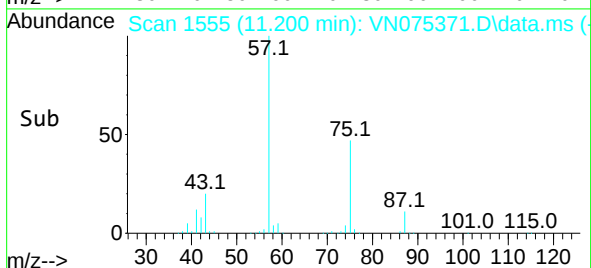
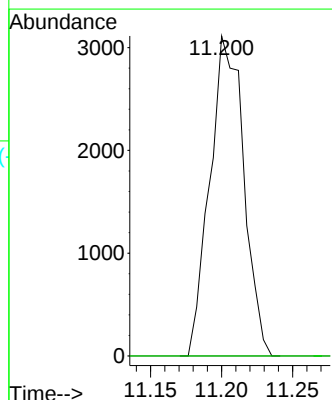
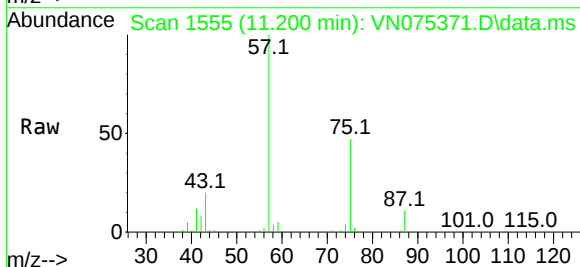
Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#03

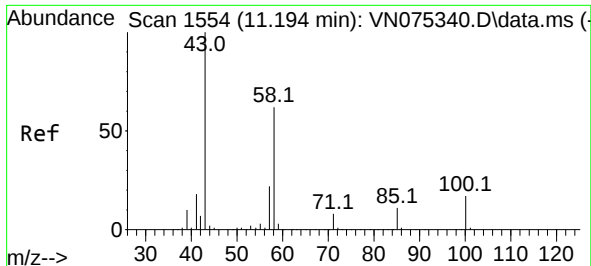
Tgt Ion: 69 Resp: 974
Ion Ratio Lower Upper
69 100
41 5356.4 45.6 68.4#
39 2336.2 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.847 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN075371.D
Acq: 22 Nov 2022 16:32

Tgt Ion: 76 Resp: 5149
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

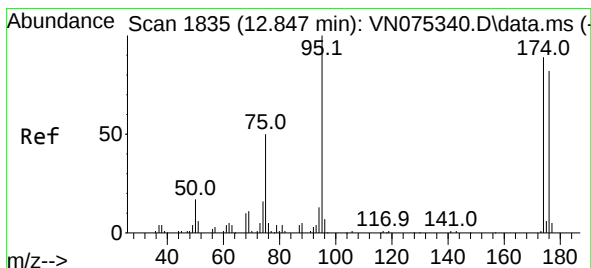
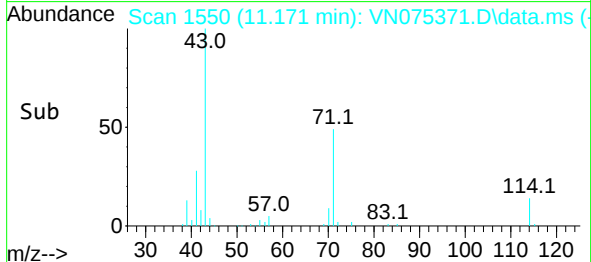
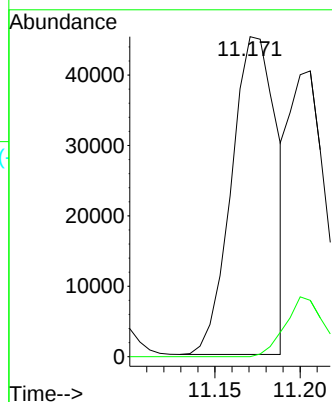
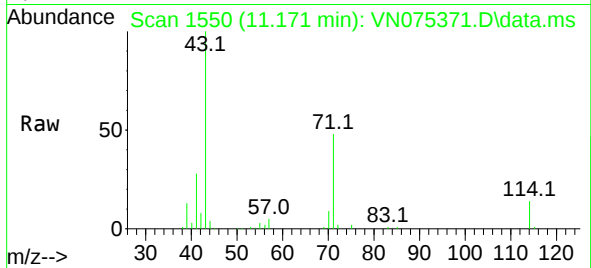




#59
2-Hexanone
Concen: 56.120 ug/l
RT: 11.171 min Scan# 1150
Delta R.T. -0.023 min
Lab File: VN075371.D
Acq: 22 Nov 2022 16:32

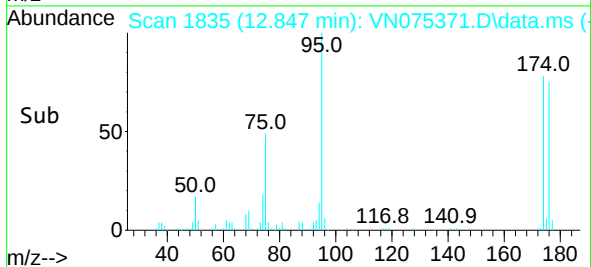
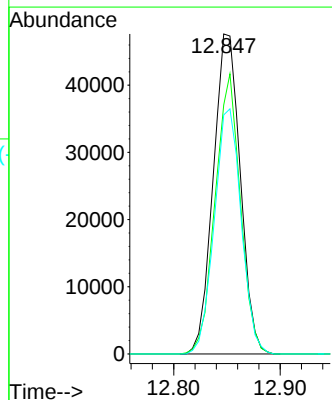
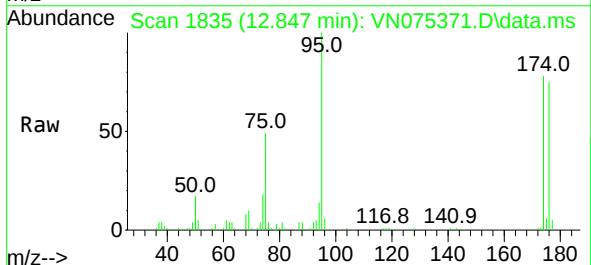
Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#03

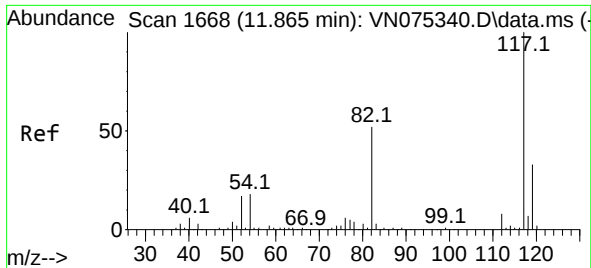
Tgt Ion: 43 Resp: 82547
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 51.700 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.000 min
Lab File: VN075371.D
Acq: 22 Nov 2022 16:32

Tgt Ion: 95 Resp: 83865
Ion Ratio Lower Upper
95 100
174 81.7 0.0 147.4
176 76.2 0.0 142.2

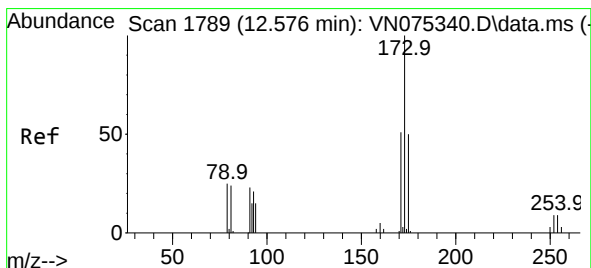
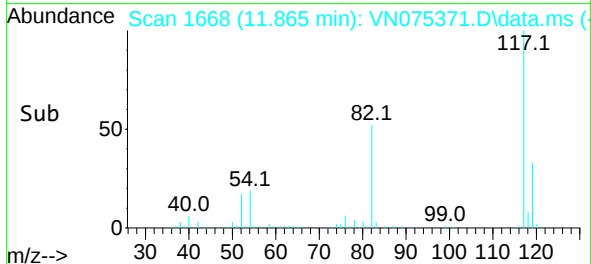
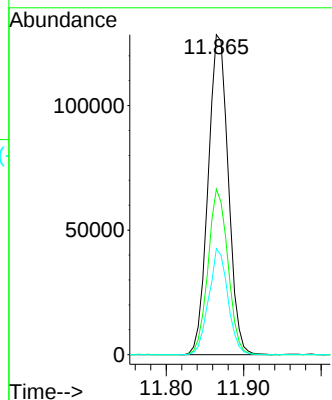
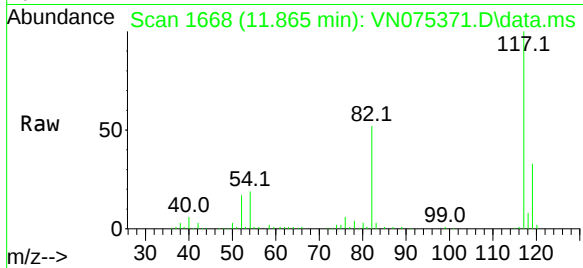




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN075371.D
Acq: 22 Nov 2022 16:32

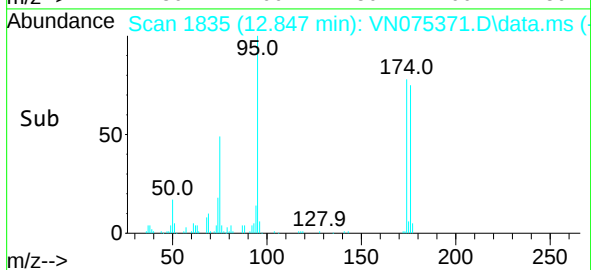
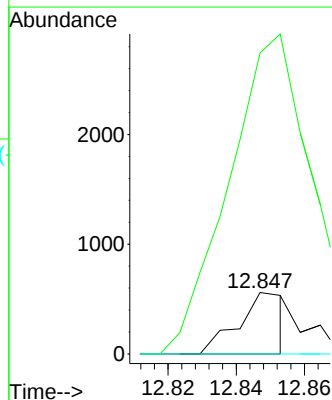
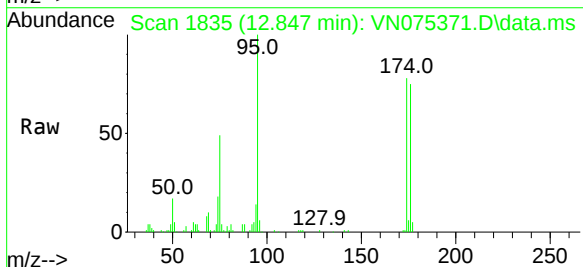
Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#03

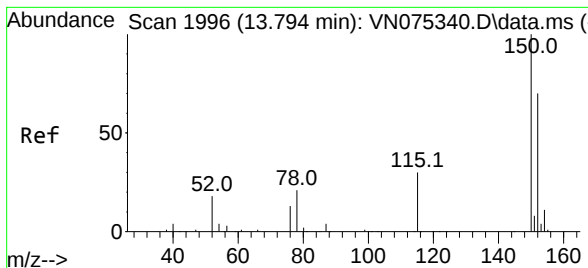
Tgt Ion:117 Resp: 232270
Ion Ratio Lower Upper
117 100
82 51.8 43.1 64.7
119 33.2 25.5 38.3



#71
Bromoform
Concen: 0.399 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.271 min
Lab File: VN075371.D
Acq: 22 Nov 2022 16:32

Tgt Ion:173 Resp: 543
Ion Ratio Lower Upper
173 100
175 0.0 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: VN075371.D

Acq: 22 Nov 2022 16:32

Instrument :

MSVOA_N

ClientSampleId :

PB149226ZHE#03

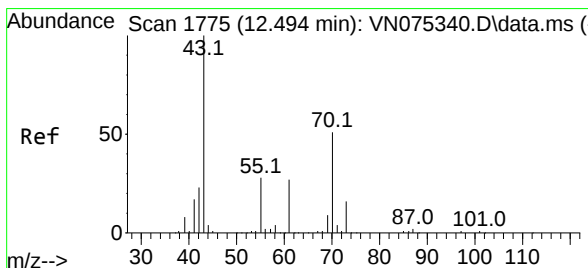
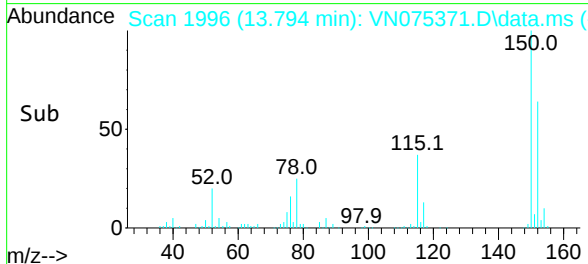
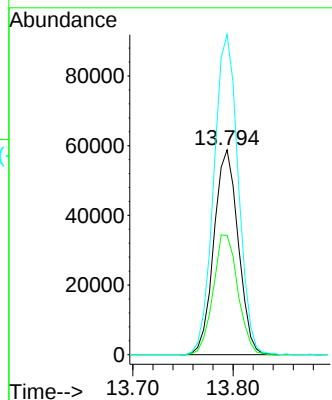
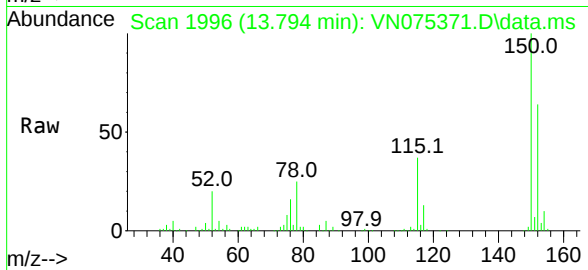
Tgt Ion:152 Resp: 98869

Ion Ratio Lower Upper

152 100

115 59.4 30.2 90.6

150 157.4 0.0 348.4



#74

N-ethyl acetate

Concen: 0.426 ug/l

RT: 12.488 min Scan# 1774

Delta R.T. -0.006 min

Lab File: VN075371.D

Acq: 22 Nov 2022 16:32

Tgt Ion: 43 Resp: 946

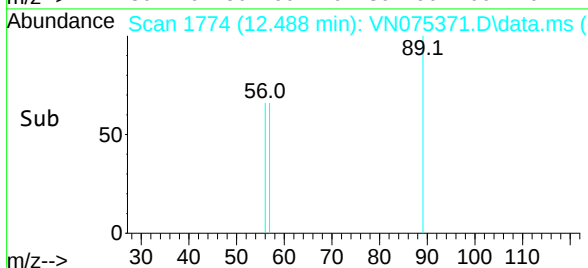
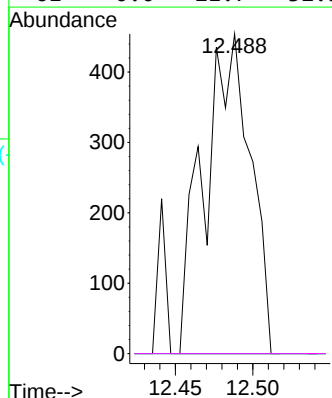
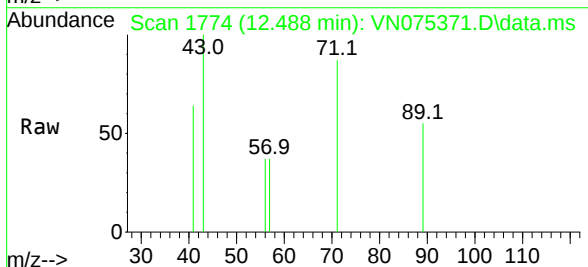
Ion Ratio Lower Upper

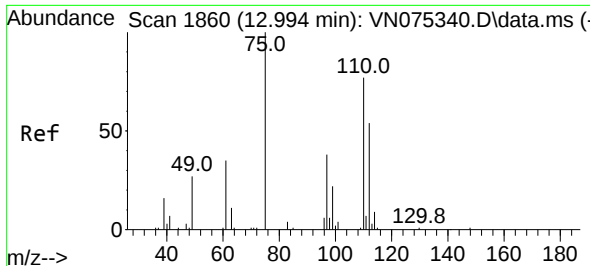
43 100

70 0.0 39.8 59.8#

55 0.0 19.9 29.9#

61 0.0 21.7 32.5#

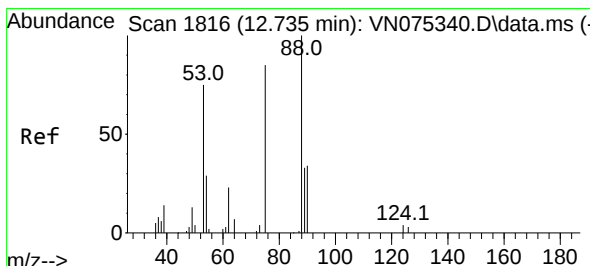
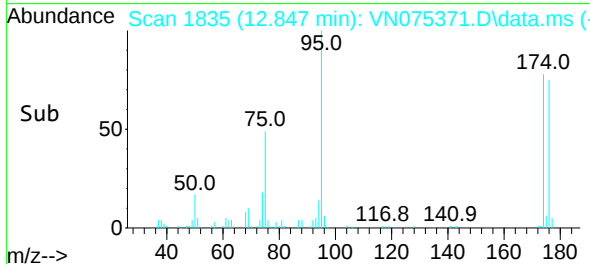
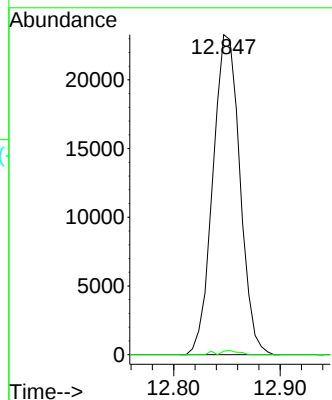
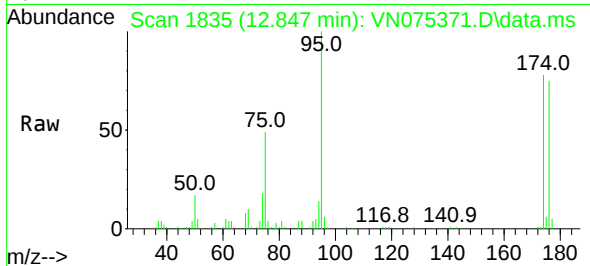




#76
1,2,3-Trichloropropane
Concen: 21.982 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075371.D
Acq: 22 Nov 2022 16:32

Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#03

Tgt Ion: 75 Resp: 41092
Ion Ratio Lower Upper
75 100
77 1.0 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.040 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN075371.D
Acq: 22 Nov 2022 16:32

Tgt Ion: 75 Resp: 41092
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

