

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN113022\
 Data File : VN075501.D
 Acq On : 30 Nov 2022 15:04
 Operator : JC\MD
 Sample : PB149341ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149341ZHE#05

Quant Time: Dec 01 02:16:12 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)

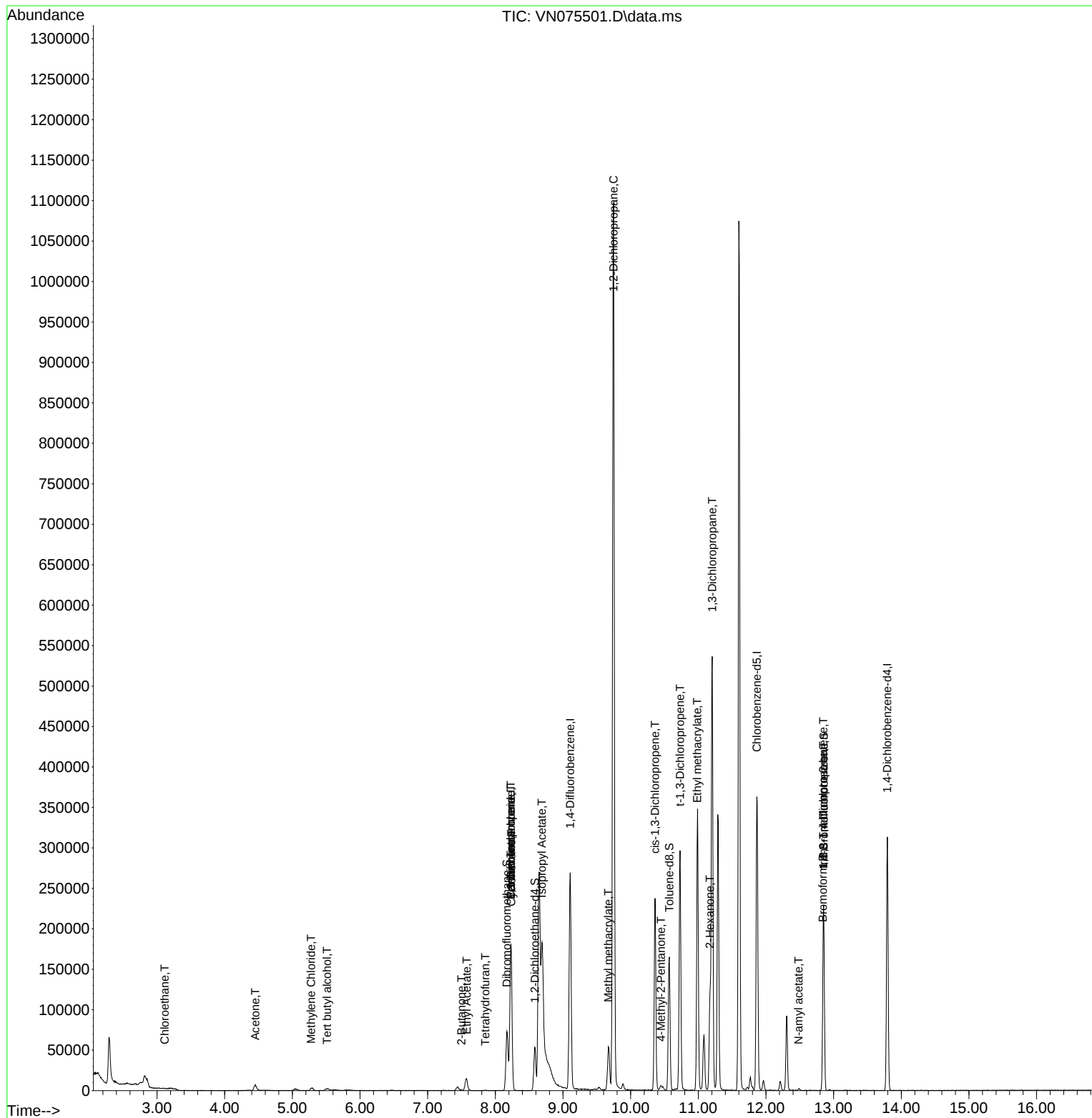
Internal Standards						
1) Pentafluorobenzene	8.230	168	140188	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	249079	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	227564	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	89598	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	43466	57.761	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.520%			
35) Dibromofluoromethane	8.171	113	53340	54.514	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.020%			
50) Toluene-d8	10.571	98	117406	53.275	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.540%			
62) 4-Bromofluorobenzene	12.853	95	80176	49.290	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.580%			
Target Compounds						Qvalue
6) Chloroethane	3.112	64	365	0.287	ug/l #	45
11) Tert butyl alcohol	5.512	59	2466	7.806	ug/l #	72
16) Acetone	4.453	43	13625	19.411	ug/l	93
18) Methyl Acetate	5.030	43	1703	Below Cal	#	47
20) Methylene Chloride	5.277	84	3085	0.912	ug/l #	73
25) 2-Butanone	7.500	43	1352	1.380	ug/l #	43
29) Tetrahydrofuran	7.853	42	501	0.841	ug/l #	26
31) Cyclohexane	8.236	56	2542	1.063	ug/l #	43
36) 1,1-Dichloropropene	8.230	75	10014	4.693	ug/l #	51
37) Ethyl Acetate	7.577	43	23139	12.043	ug/l	99
38) Carbon Tetrachloride	8.230	117	14273	6.089	ug/l #	20
43) Isopropyl Acetate	8.688	43	265594	86.120	ug/l #	72
45) 1,2-Dichloropropane	9.747	63	1635	1.050	ug/l #	42
48) Methyl methacrylate	9.671	41	3063	2.148	ug/l #	36
51) 4-Methyl-2-Pentanone	10.447	43	7653	3.896	ug/l #	63
53) t-1,3-Dichloropropene	10.729	75	756	0.330	ug/l #	63
54) cis-1,3-Dichloropropene	10.359	75	46102	18.541	ug/l #	64
56) Ethyl methacrylate	10.982	69	1335	0.577	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6206	2.220	ug/l #	42
59) 2-Hexanone	11.171	43	87975	59.645	ug/l #	21
71) Bromoform	12.841	173	282	0.211	ug/l #	1
74) N-amyl acetate	12.482	43	1080	0.537	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	40505	23.910	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	40505	70.744	ug/l #	10

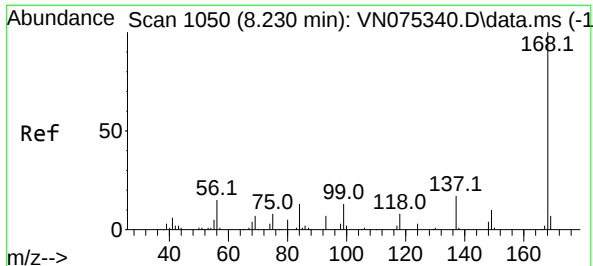
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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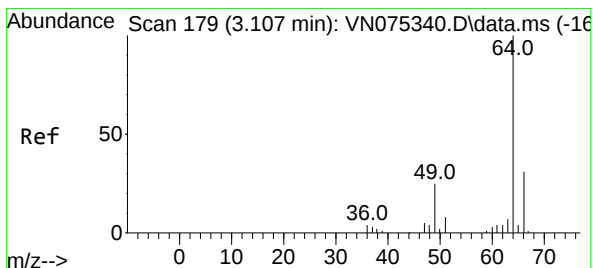
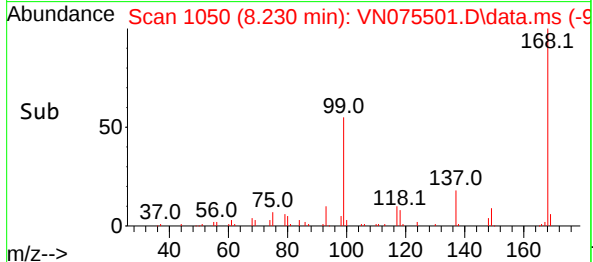
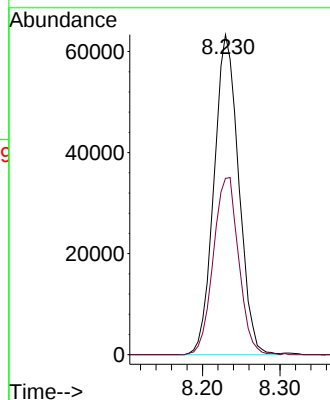
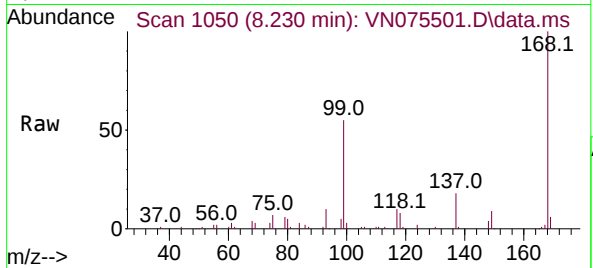




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075501.D
Acq: 30 Nov 2022 15:04

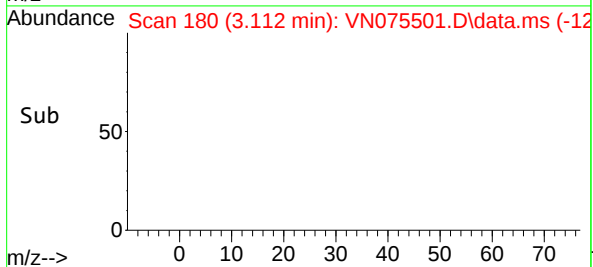
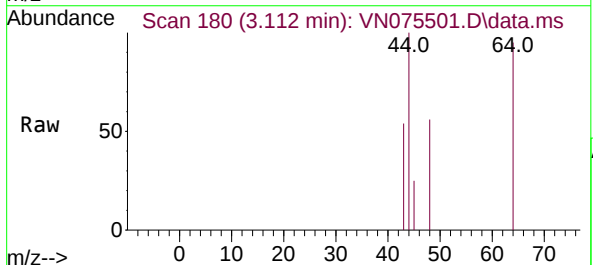
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#05

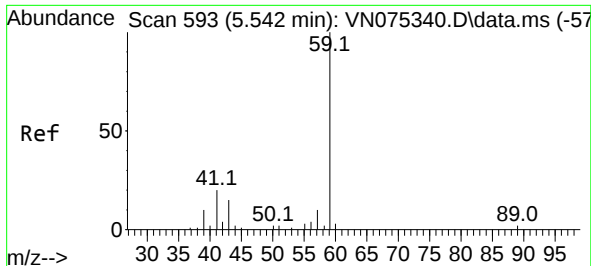
Tgt Ion:168 Resp: 140188
Ion Ratio Lower Upper
168 100
99 55.1 51.6 77.4



#6
Chloroethane
Concen: 0.287 ug/l
RT: 3.112 min Scan# 180
Delta R.T. 0.005 min
Lab File: VN075501.D
Acq: 30 Nov 2022 15:04

Tgt Ion: 64 Resp: 365
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#

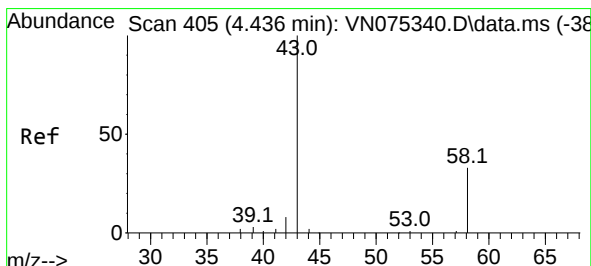
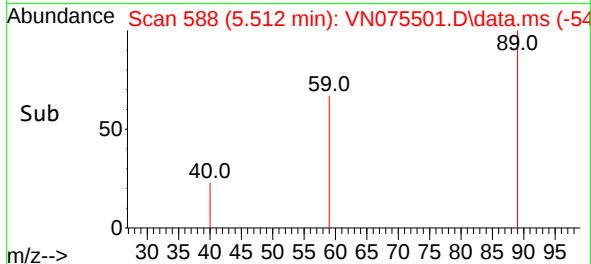
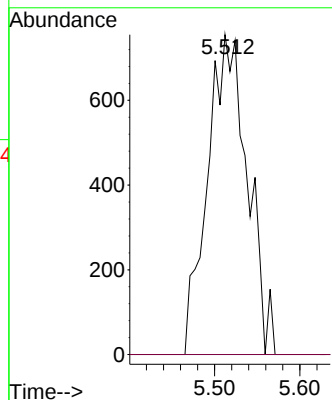
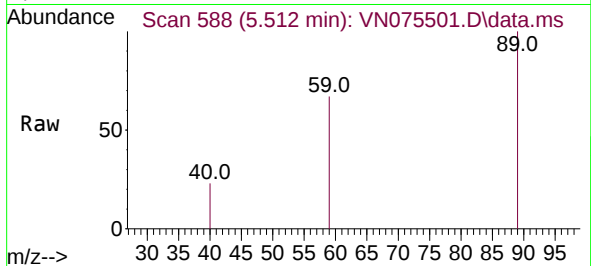




#11
Tert butyl alcohol
Concen: 7.806 ug/l
RT: 5.512 min Scan# 51
Delta R.T. -0.030 min
Lab File: VN075501.D
Acq: 30 Nov 2022 15:04

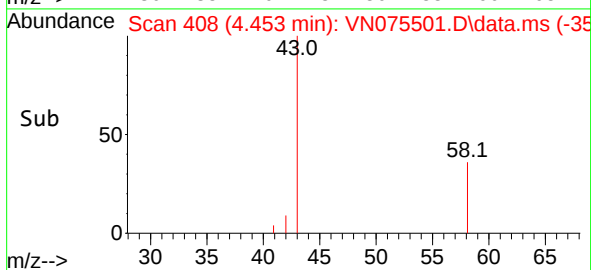
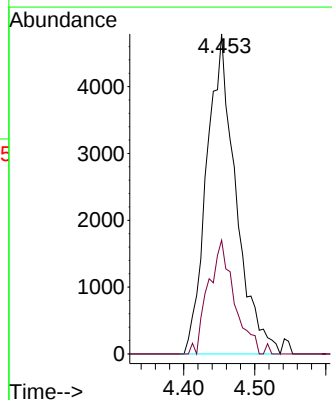
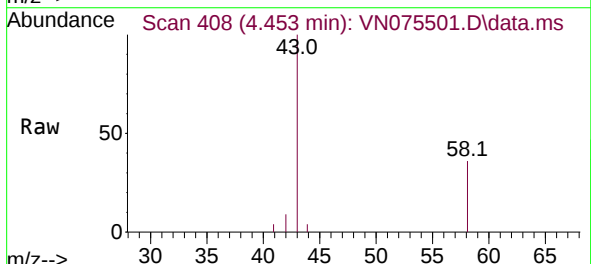
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#05

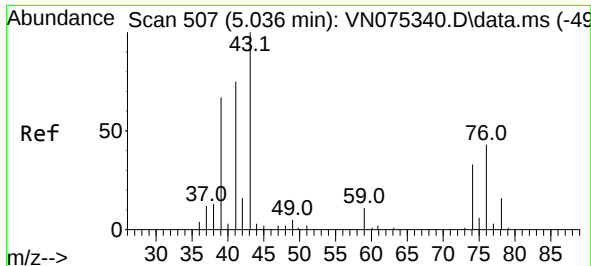
Tgt Ion: 59 Resp: 2466
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 19.411 ug/l
RT: 4.453 min Scan# 408
Delta R.T. 0.017 min
Lab File: VN075501.D
Acq: 30 Nov 2022 15:04

Tgt Ion: 43 Resp: 13625
Ion Ratio Lower Upper
43 100
58 35.5 25.5 38.3

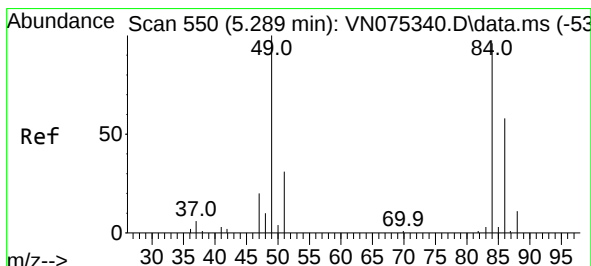
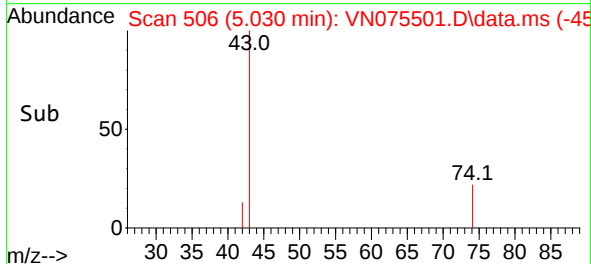
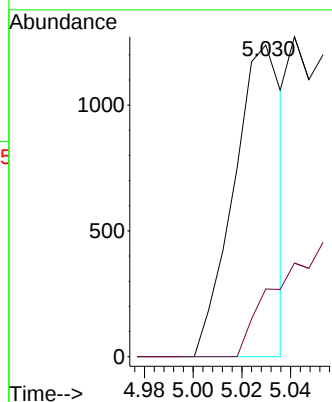
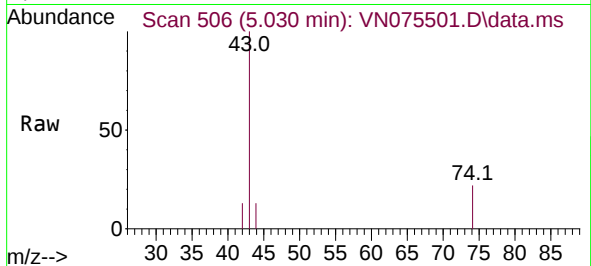




#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 50
Delta R.T. -0.006 min
Lab File: VN075501.D
Acq: 30 Nov 2022 15:04

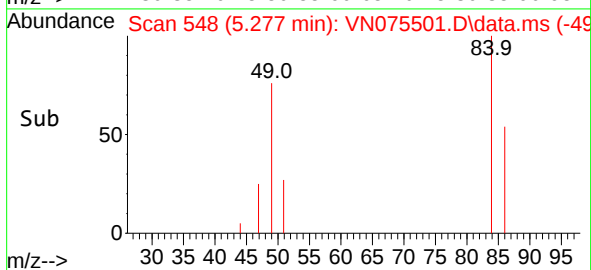
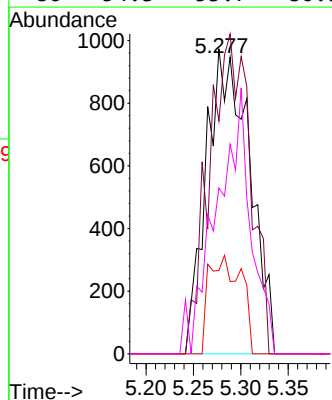
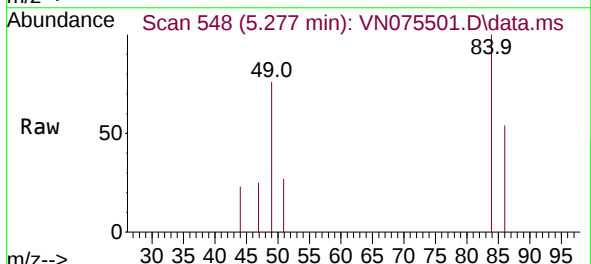
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#05

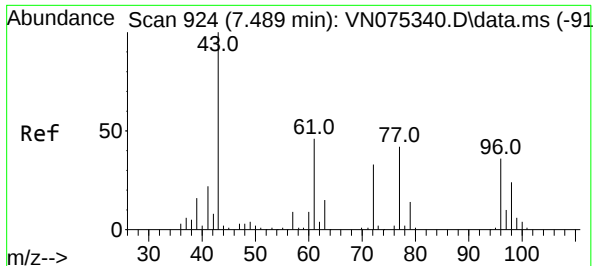
Tgt Ion: 43 Resp: 1703
Ion Ratio Lower Upper
43 100
74 0.0 22.0 33.0#



#20
Methylene Chloride
Concen: 0.912 ug/l
RT: 5.277 min Scan# 548
Delta R.T. -0.012 min
Lab File: VN075501.D
Acq: 30 Nov 2022 15:04

Tgt Ion: 84 Resp: 3085
Ion Ratio Lower Upper
84 100
49 76.3 94.9 142.3#
51 27.3 26.8 40.2
86 54.3 53.7 80.5





#25

2-Butanone

Concen: 1.380 ug/l

RT: 7.500 min Scan# 91

Delta R.T. 0.011 min

Lab File: VN075501.D

Acq: 30 Nov 2022 15:04

Instrument :

MSVOA_N

ClientSampleId :

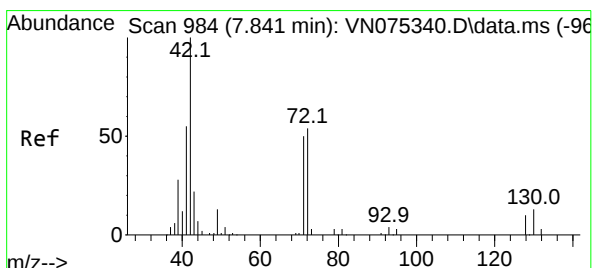
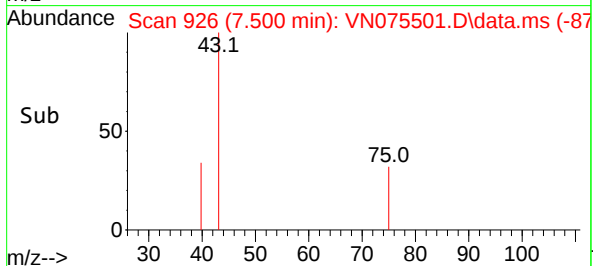
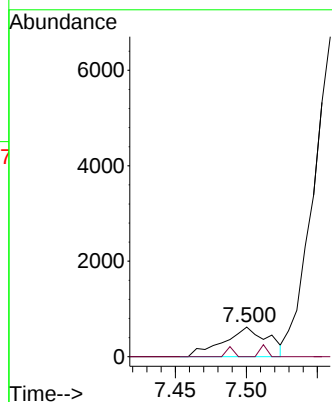
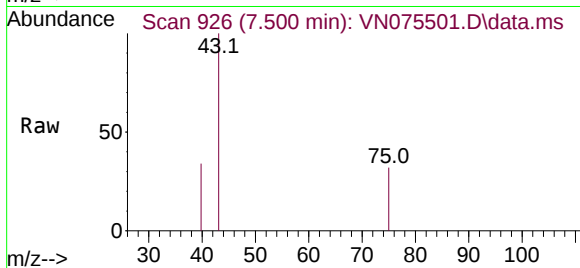
PB149341ZHE#05

Tgt Ion: 43 Resp: 1352

Ion Ratio Lower Upper

43 100

72 0.0 25.5 38.3#



#29

Tetrahydrofuran

Concen: 0.841 ug/l

RT: 7.853 min Scan# 986

Delta R.T. 0.012 min

Lab File: VN075501.D

Acq: 30 Nov 2022 15:04

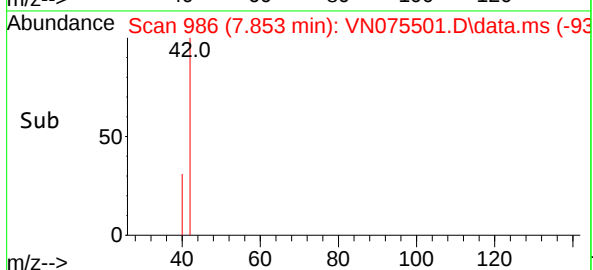
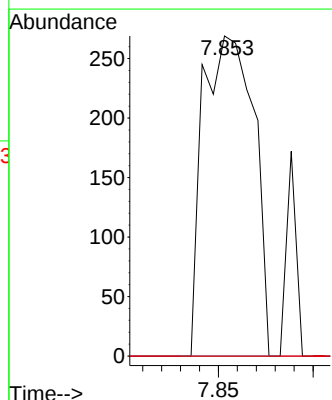
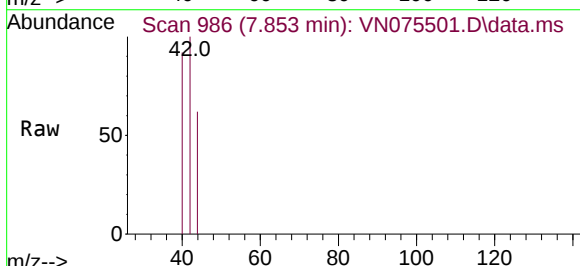
Tgt Ion: 42 Resp: 501

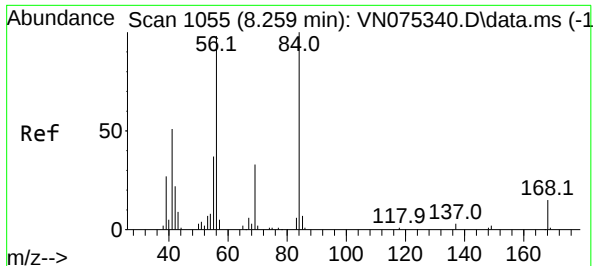
Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.6#

71 0.0 39.9 59.9#

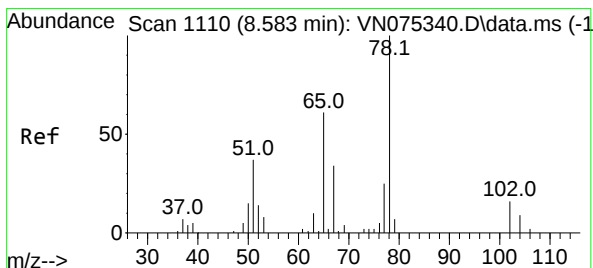
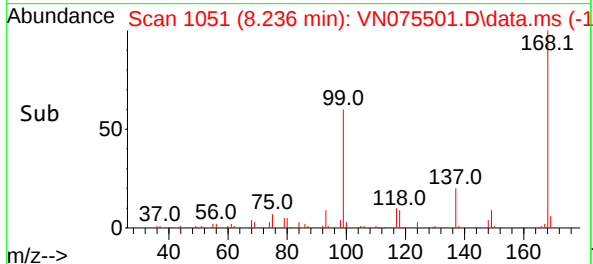
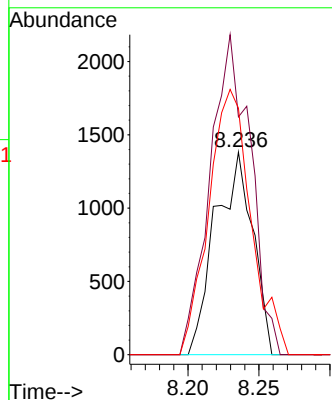
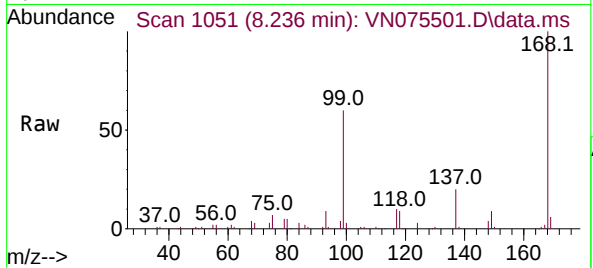




#31
Cyclohexane
Concen: 1.063 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.023 min
Lab File: VN075501.D
Acq: 30 Nov 2022 15:04

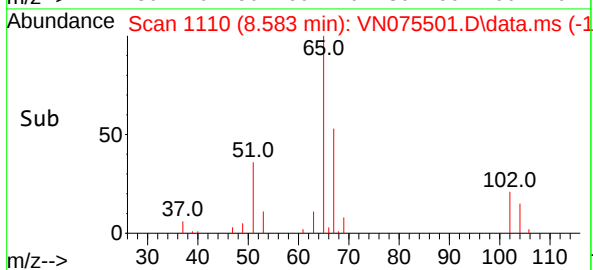
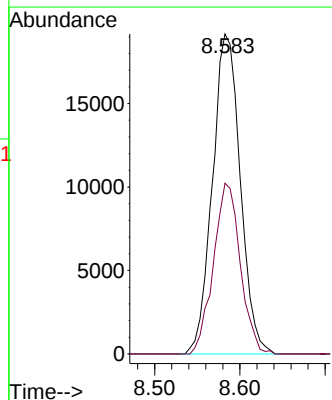
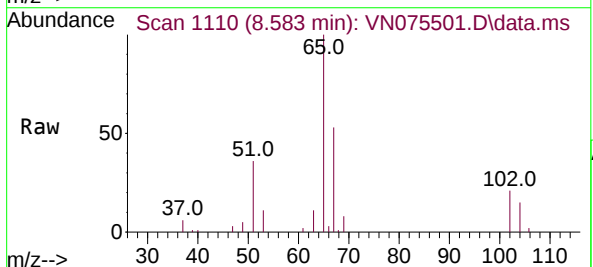
Instrument :
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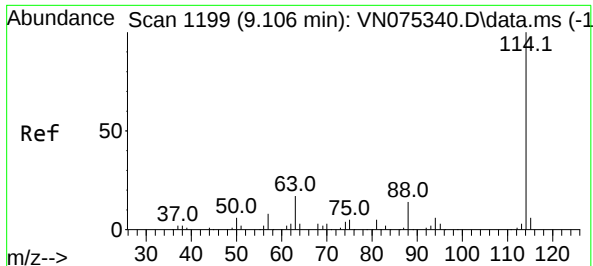
Tgt Ion: 56 Resp: 2542
Ion Ratio Lower Upper
56 100
69 117.4 25.2 37.8#
84 121.7 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 57.761 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN075501.D
Acq: 30 Nov 2022 15:04

Tgt Ion: 65 Resp: 43466
Ion Ratio Lower Upper
65 100
67 51.5 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: VN075501.D

Acq: 30 Nov 2022 15:04

Instrument :

MSVOA_N

ClientSampleId :

PB149341ZHE#05

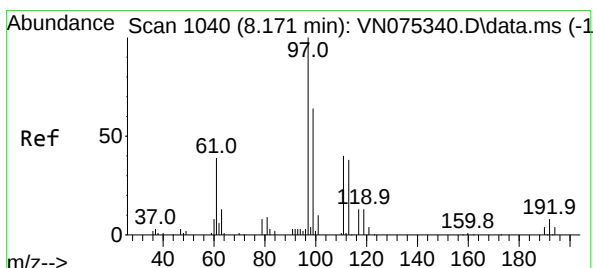
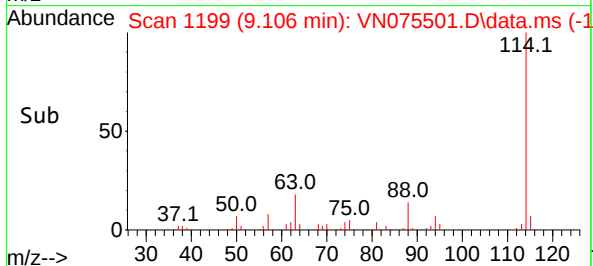
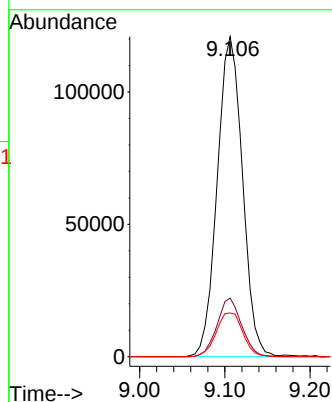
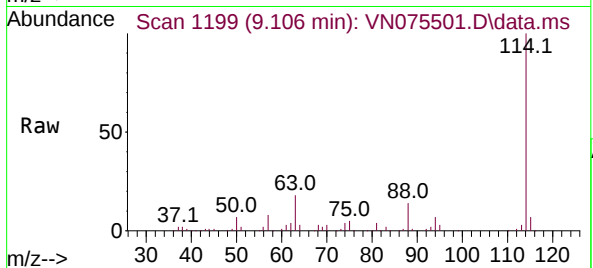
Tgt Ion:114 Resp: 249079

Ion Ratio Lower Upper

114 100

63 18.3 0.0 39.6

88 13.6 0.0 29.0



#35

Dibromofluoromethane

Concen: 54.514 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075501.D

Acq: 30 Nov 2022 15:04

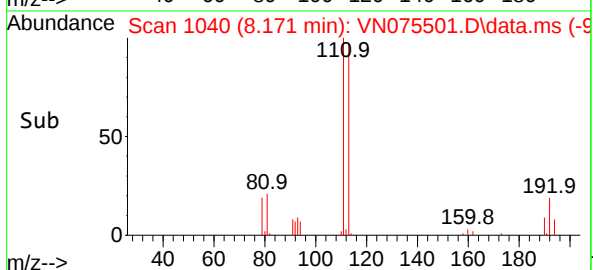
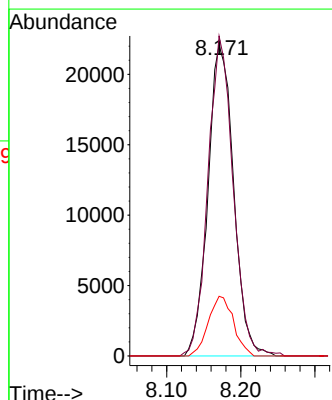
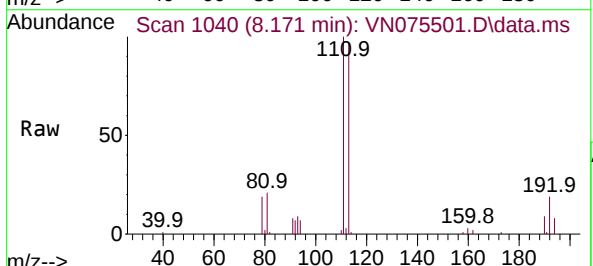
Tgt Ion:113 Resp: 53340

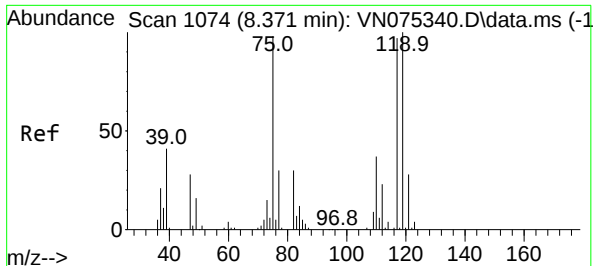
Ion Ratio Lower Upper

113 100

111 100.4 80.5 120.7

192 18.7 13.2 19.8

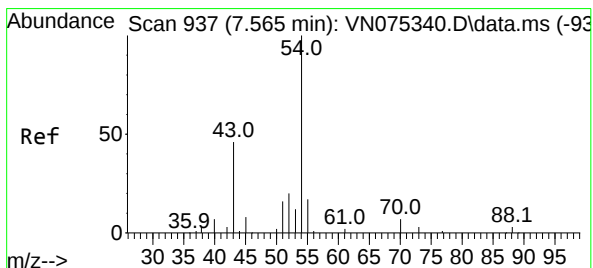
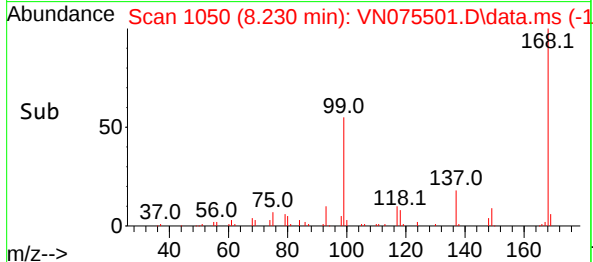
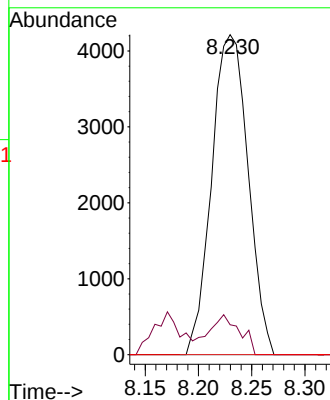
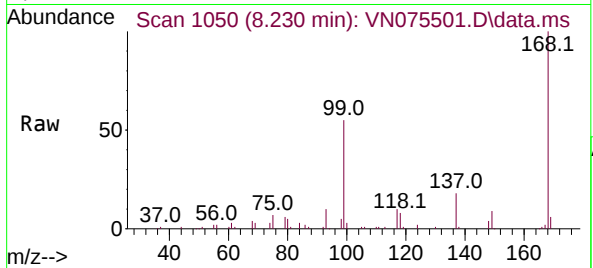




#36
1,1-Dichloropropene
Concen: 4.693 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN075501.D
Acq: 30 Nov 2022 15:04

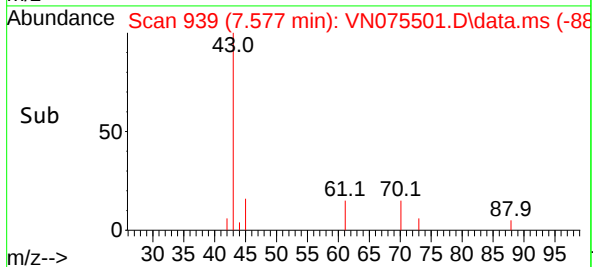
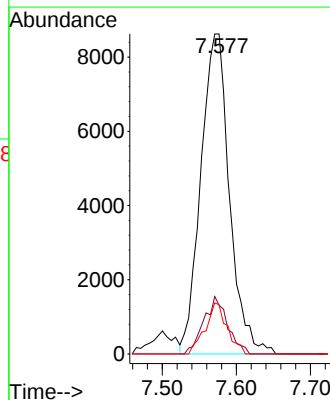
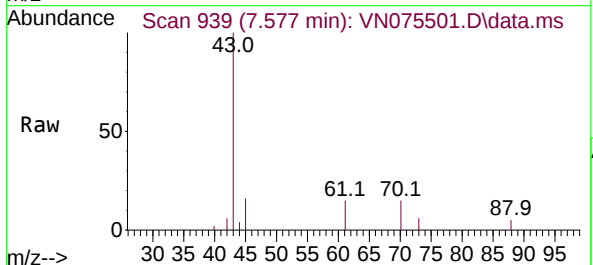
Instrument :
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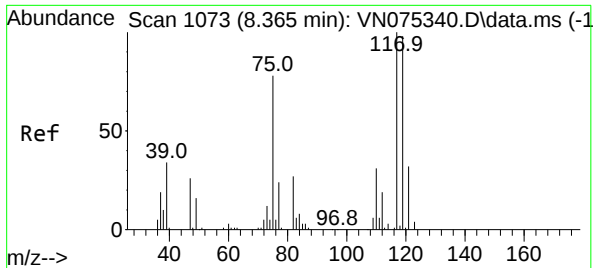
Tgt Ion: 75 Resp: 10014
Ion Ratio Lower Upper
75 100
110 10.0 17.8 53.3#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 12.043 ug/l
RT: 7.577 min Scan# 939
Delta R.T. 0.012 min
Lab File: VN075501.D
Acq: 30 Nov 2022 15:04

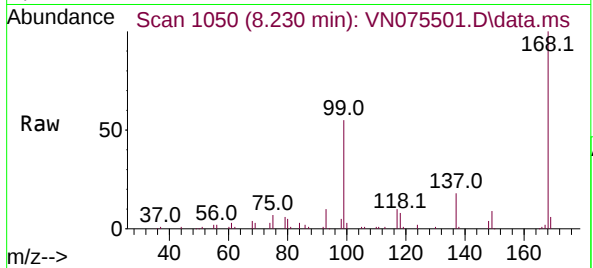
Tgt Ion: 43 Resp: 23139
Ion Ratio Lower Upper
43 100
61 14.9 12.2 18.4
70 12.2 9.4 14.2



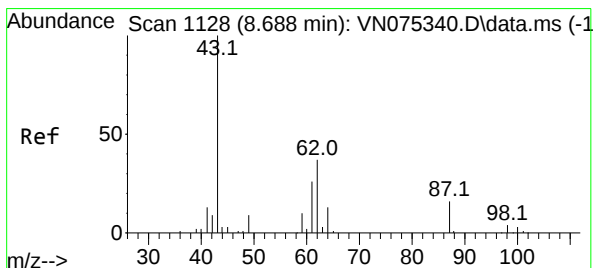
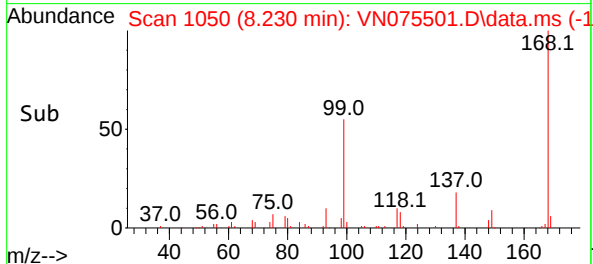
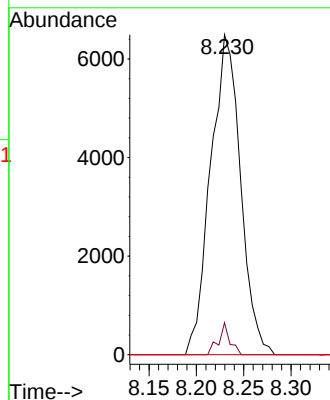


#38
Carbon Tetrachloride
Concen: 6.089 ug/l
RT: 8.230 min Scan# 1073
Delta R.T. -0.135 min
Lab File: VN075501.D
Acq: 30 Nov 2022 15:04

Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#05

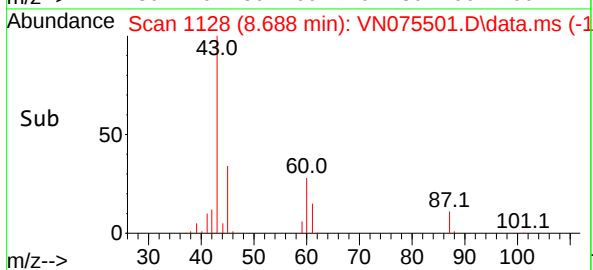
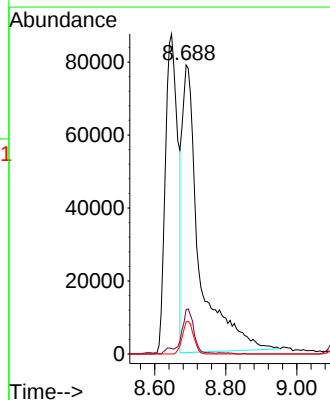
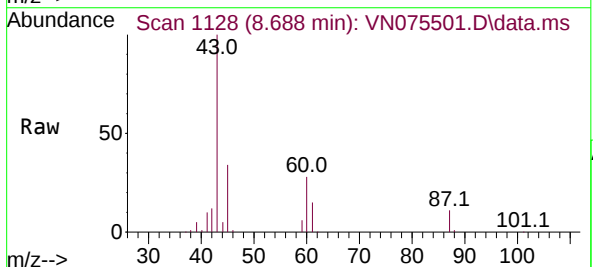


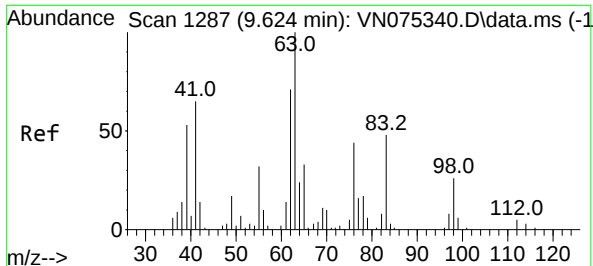
Tgt Ion:117 Resp: 14273
Ion Ratio Lower Upper
117 100
119 10.0 76.7 115.1#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 86.120 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN075501.D
Acq: 30 Nov 2022 15:04

Tgt Ion: 43 Resp: 265594
Ion Ratio Lower Upper
43 100
61 10.6 22.4 33.6#
87 7.2 12.5 18.7#





#45

1,2-Dichloropropane

Concen: 1.050 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN075501.D

Acq: 30 Nov 2022 15:04

Instrument :

MSVOA_N

ClientSampleId :

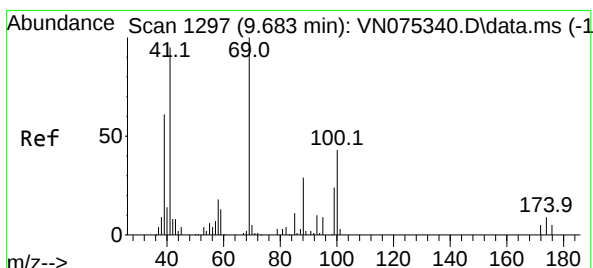
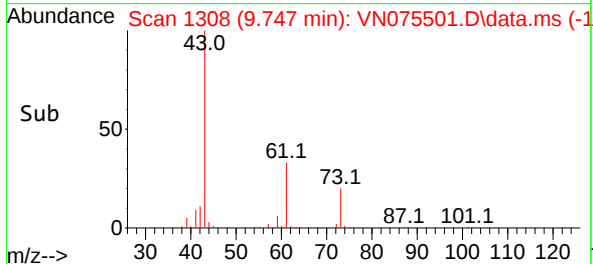
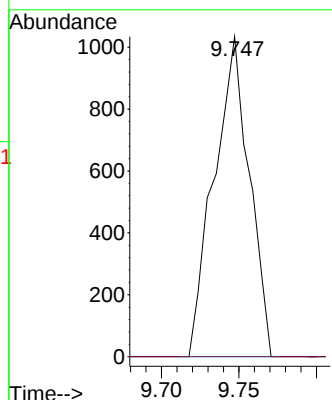
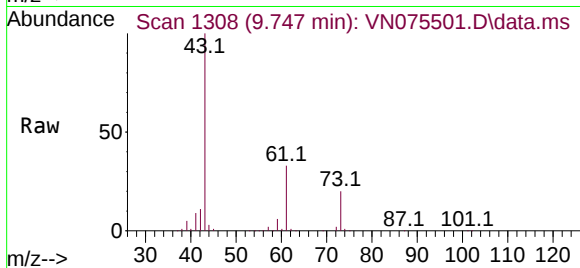
PB149341ZHE#05

Tgt Ion: 63 Resp: 1635

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 2.148 ug/l

RT: 9.671 min Scan# 1295

Delta R.T. -0.012 min

Lab File: VN075501.D

Acq: 30 Nov 2022 15:04

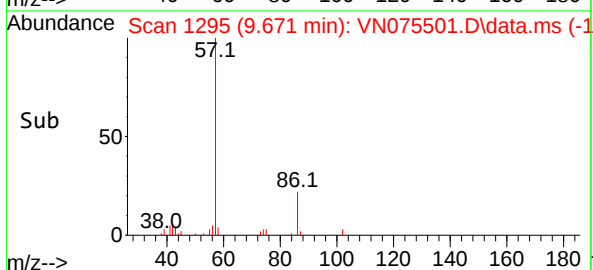
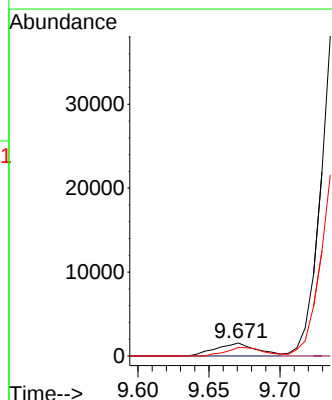
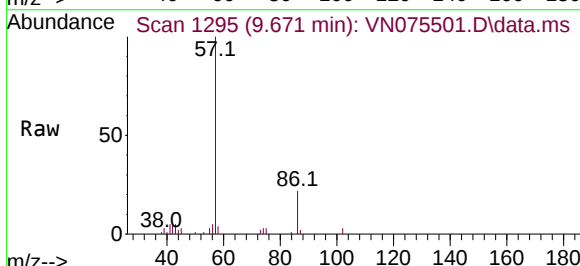
Tgt Ion: 41 Resp: 3063

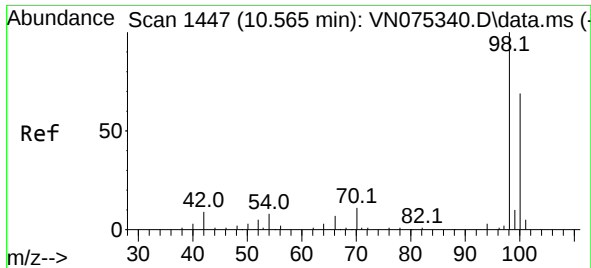
Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 59.5 56.2 84.2

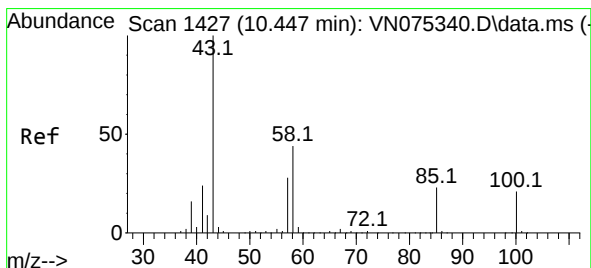
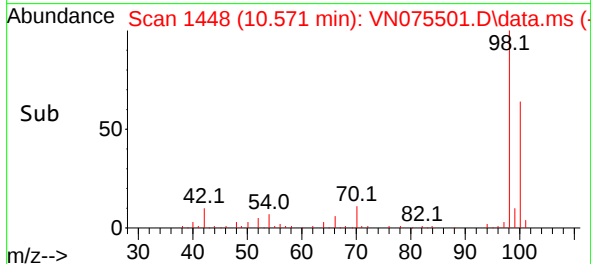
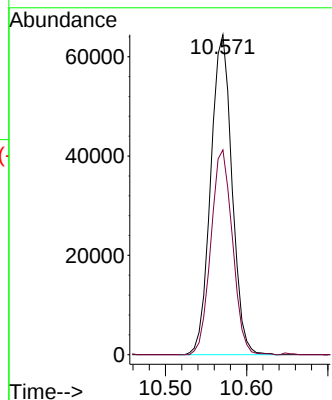
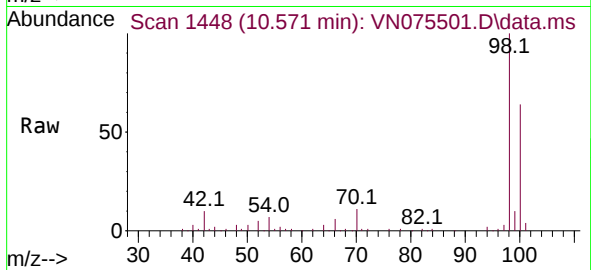




#50
Toluene-d8
Concen: 53.275 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075501.D
Acq: 30 Nov 2022 15:04

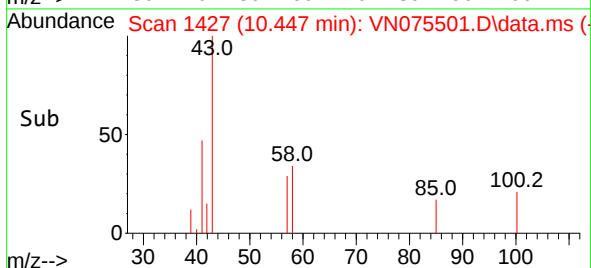
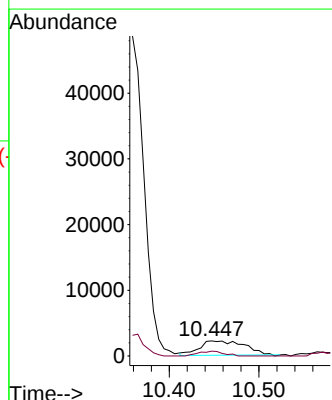
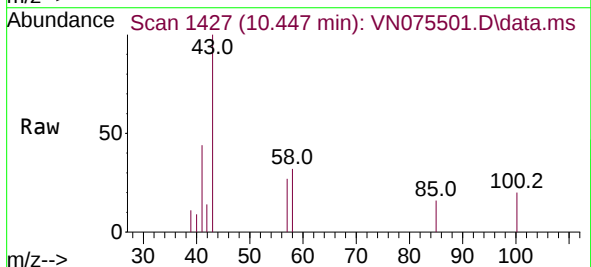
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#05

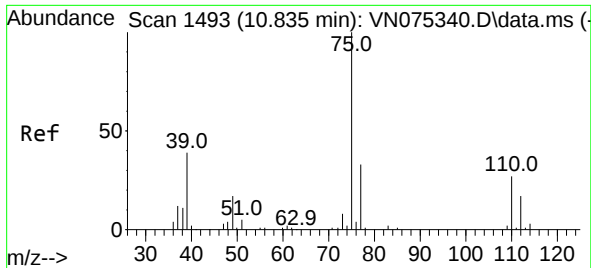
Tgt Ion: 98 Resp: 117406
Ion Ratio Lower Upper
98 100
100 64.8 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 3.896 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075501.D
Acq: 30 Nov 2022 15:04

Tgt Ion: 43 Resp: 7653
Ion Ratio Lower Upper
43 100
58 18.4 33.6 50.4#

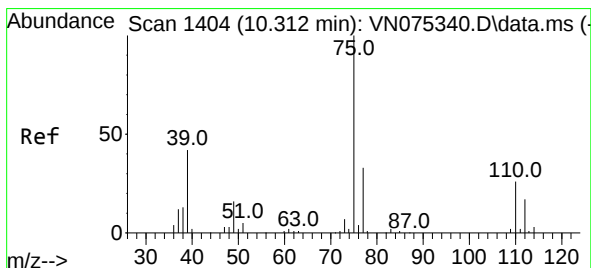
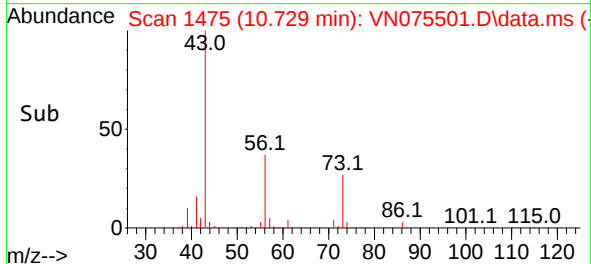
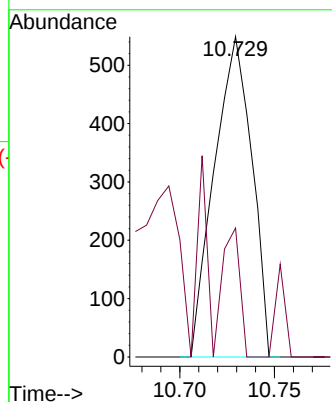
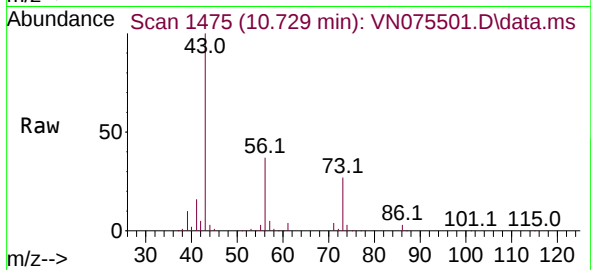




#53
t-1,3-Dichloropropene
Concen: 0.330 ug/l
RT: 10.729 min Scan# 1412
Delta R.T. -0.106 min
Lab File: VN075501.D
Acq: 30 Nov 2022 15:04

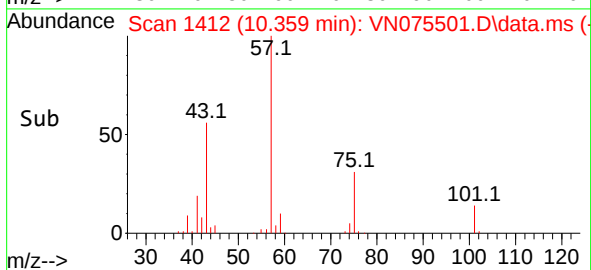
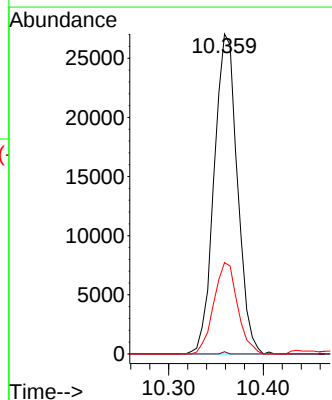
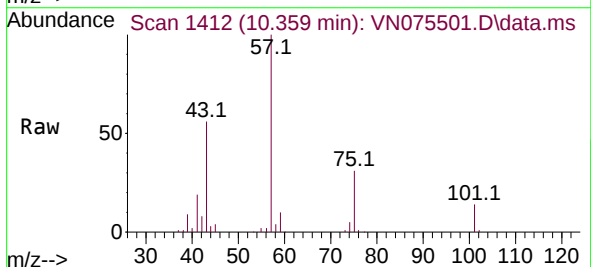
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#05

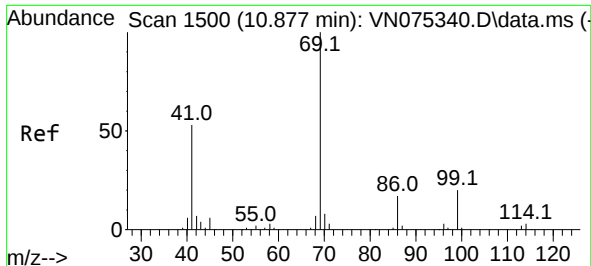
Tgt Ion: 75 Resp: 756
Ion Ratio Lower Upper
75 100
77 11.3 25.4 38.2#



#54
cis-1,3-Dichloropropene
Concen: 18.541 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN075501.D
Acq: 30 Nov 2022 15:04

Tgt Ion: 75 Resp: 46102
Ion Ratio Lower Upper
75 100
77 0.7 23.7 35.5#
39 28.5 35.8 53.6#

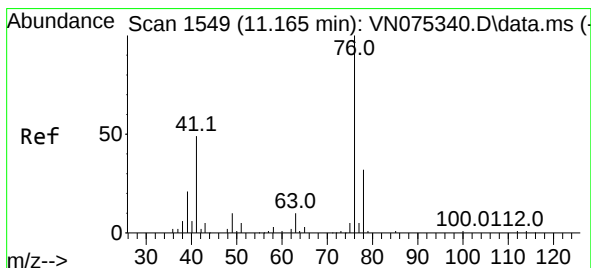
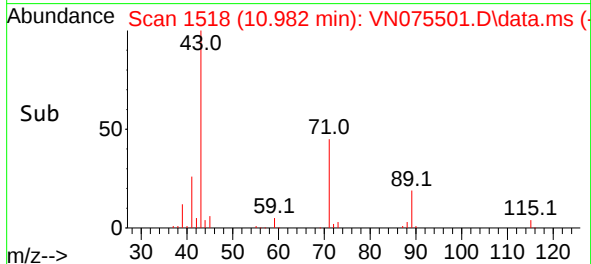
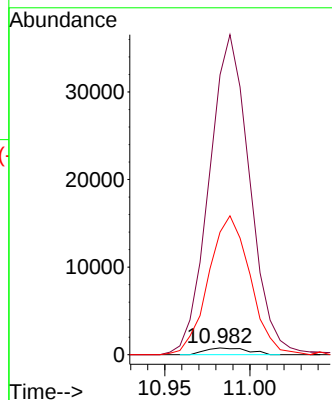
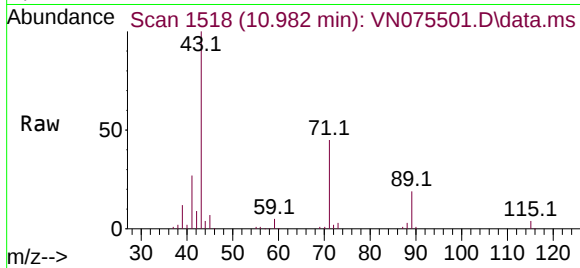




#56
Ethyl methacrylate
Concen: 0.577 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.105 min
Lab File: VN075501.D
Acq: 30 Nov 2022 15:04

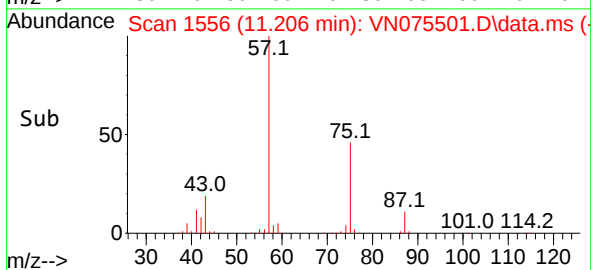
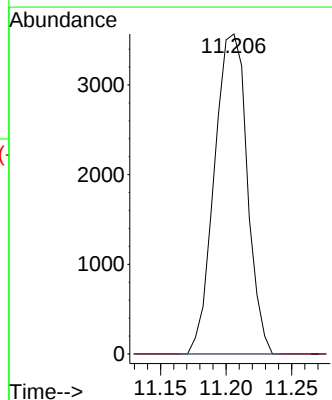
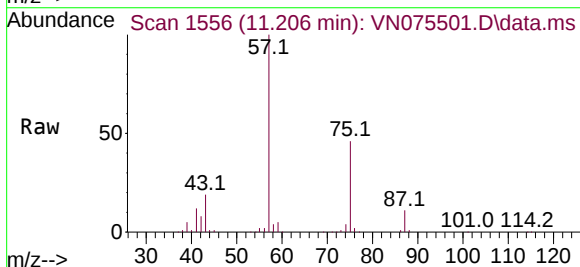
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#05

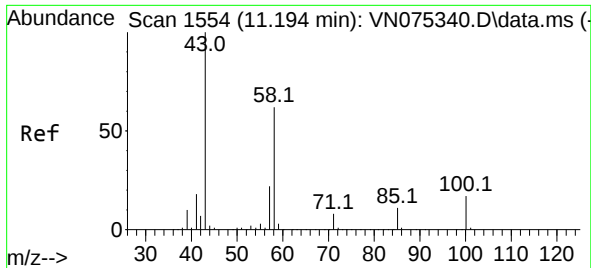
Tgt Ion: 69 Resp: 1335
Ion Ratio Lower Upper
69 100
41 4565.5 45.6 68.4#
39 2023.4 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 2.220 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075501.D
Acq: 30 Nov 2022 15:04

Tgt Ion: 76 Resp: 6206
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

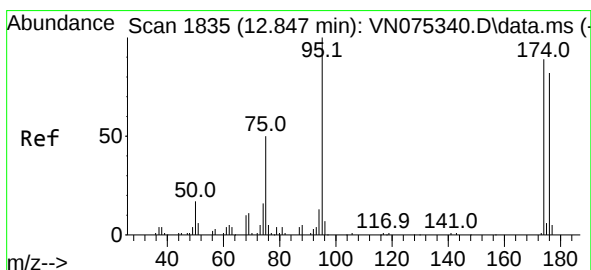
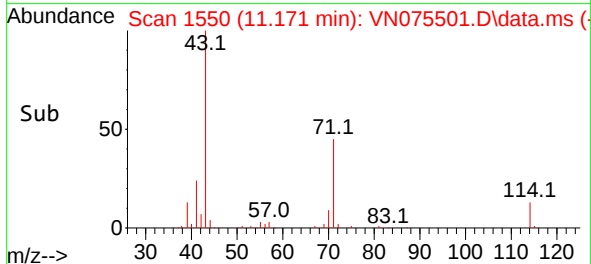
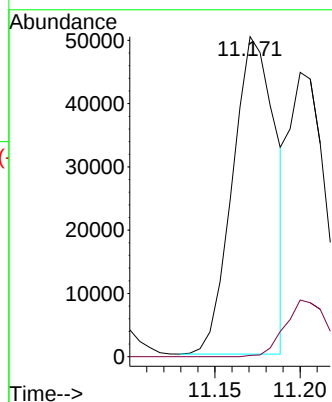
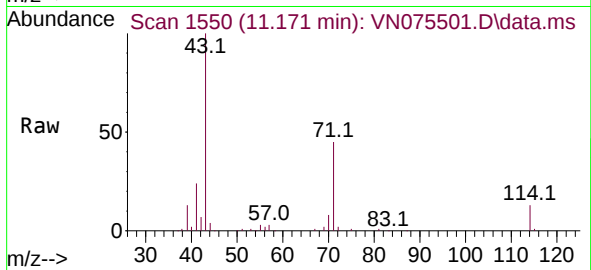




#59
2-Hexanone
Concen: 59.645 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.023 min
Lab File: VN075501.D
Acq: 30 Nov 2022 15:04

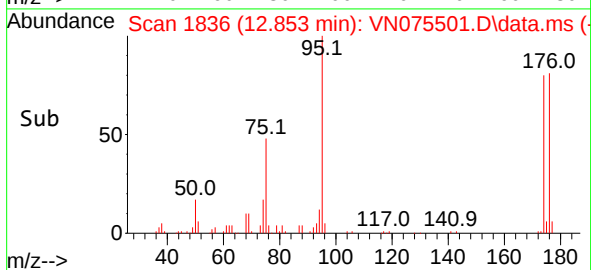
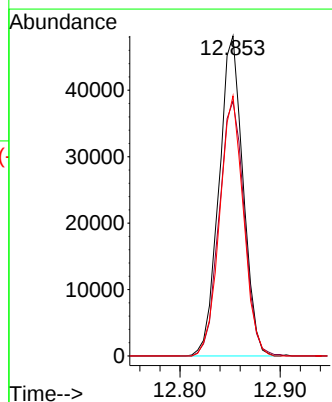
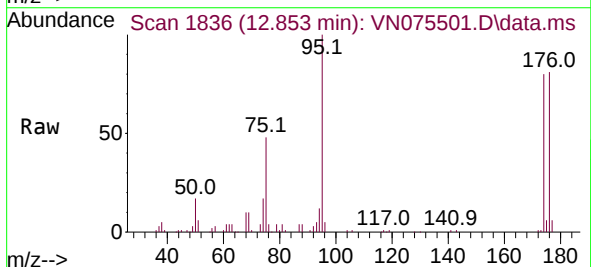
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#05

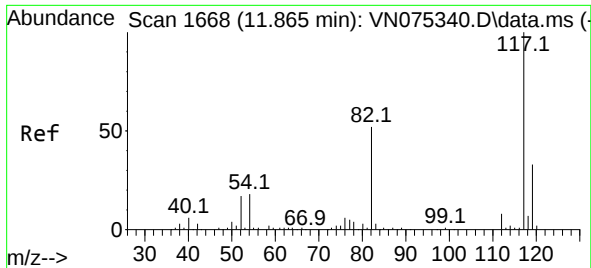
Tgt Ion: 43 Resp: 87975
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 49.290 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075501.D
Acq: 30 Nov 2022 15:04

Tgt Ion: 95 Resp: 80176
Ion Ratio Lower Upper
95 100
174 83.1 0.0 147.4
176 80.0 0.0 142.2

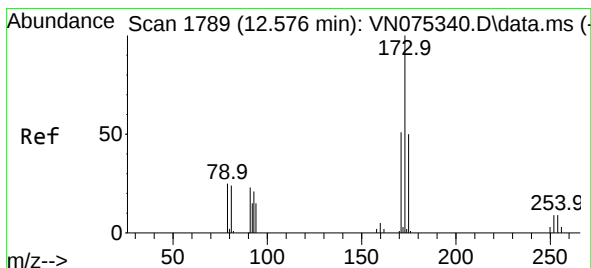
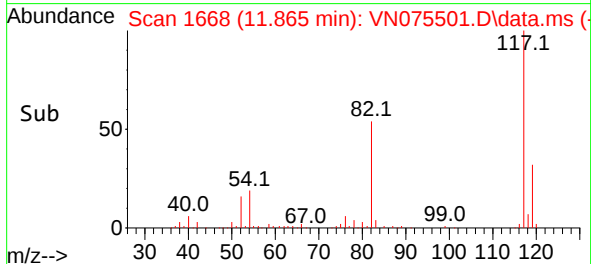
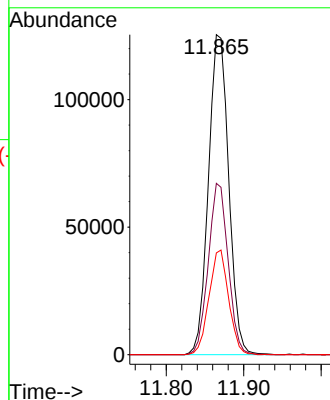
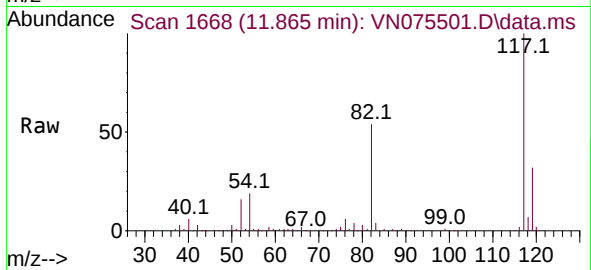




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN075501.D
Acq: 30 Nov 2022 15:04

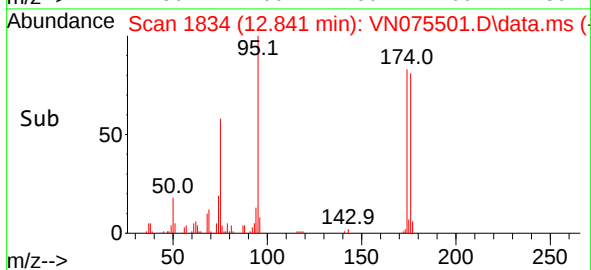
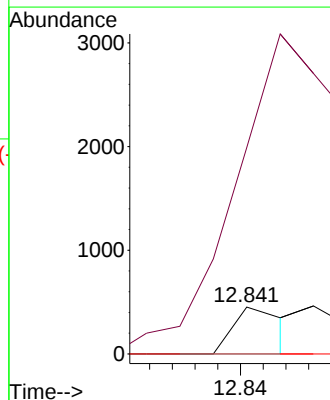
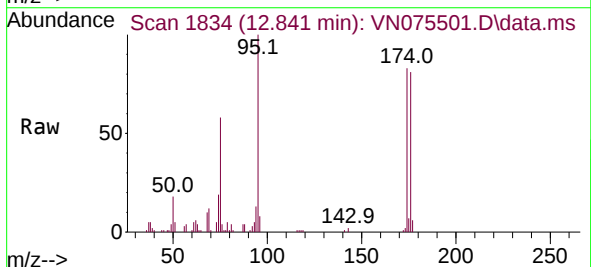
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#05

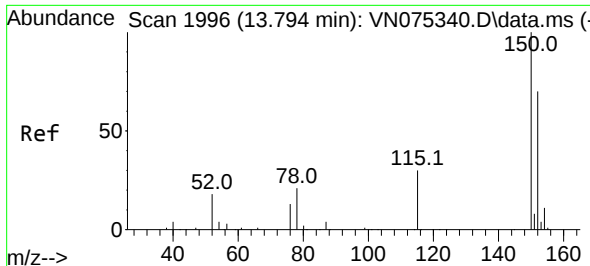
Tgt Ion:117 Resp: 227564
Ion Ratio Lower Upper
117 100
82 53.5 43.1 64.7
119 31.8 25.5 38.3



#71
Bromoform
Concen: 0.211 ug/l
RT: 12.841 min Scan# 1834
Delta R.T. 0.265 min
Lab File: VN075501.D
Acq: 30 Nov 2022 15:04

Tgt Ion:173 Resp: 282
Ion Ratio Lower Upper
173 100
175 1147.5 24.6 74.0#
254 0.0 0.0 0.0

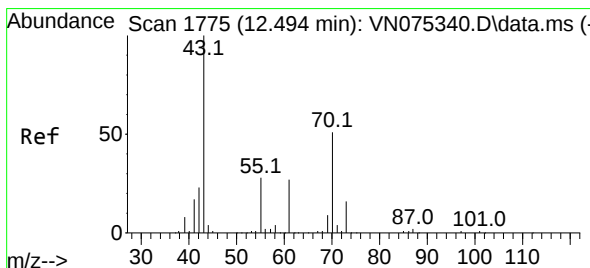
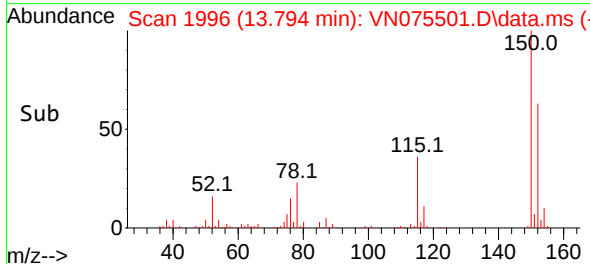
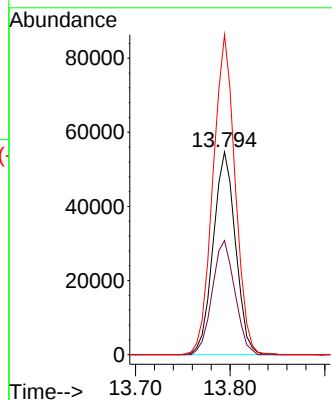
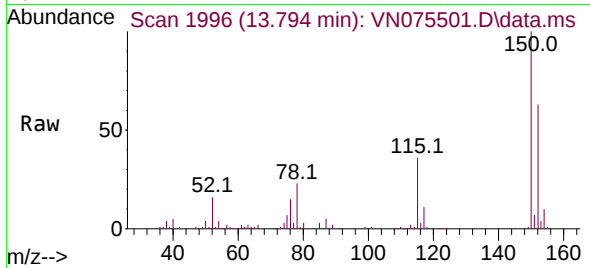




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075501.D
Acq: 30 Nov 2022 15:04

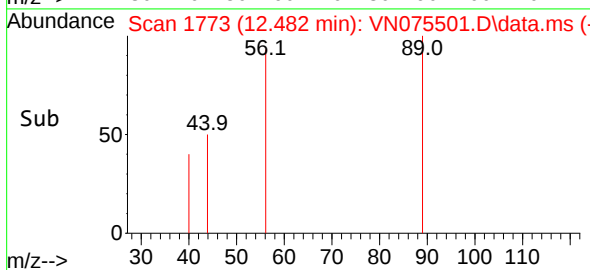
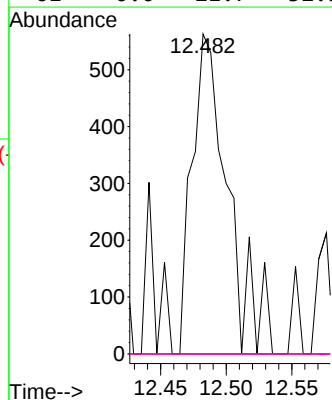
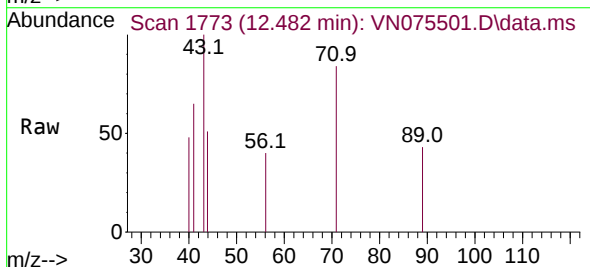
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#05

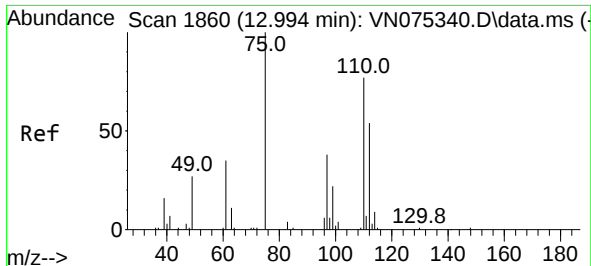
Tgt Ion:152 Resp: 89598
Ion Ratio Lower Upper
152 100
115 57.0 30.2 90.6
150 156.9 0.0 348.4



#74
N-ethyl acetate
Concen: 0.537 ug/l
RT: 12.482 min Scan# 1773
Delta R.T. -0.012 min
Lab File: VN075501.D
Acq: 30 Nov 2022 15:04

Tgt Ion: 43 Resp: 1080
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#

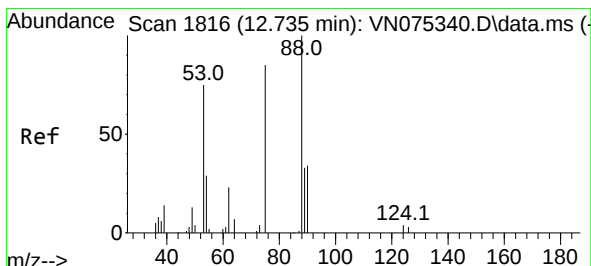
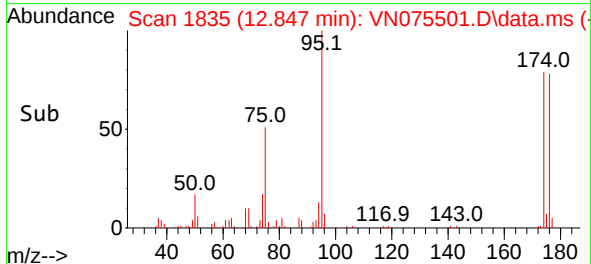
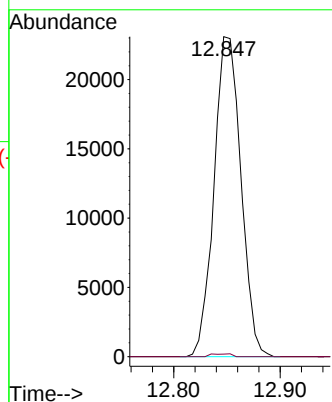
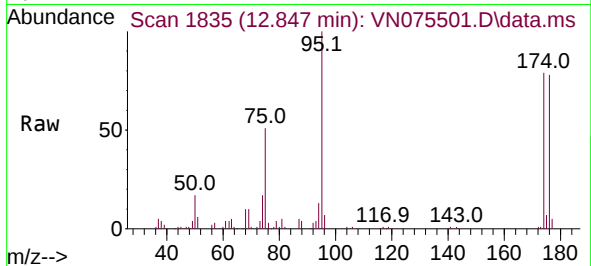




#76
1,2,3-Trichloropropane
Concen: 23.910 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075501.D
Acq: 30 Nov 2022 15:04

Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#05

Tgt Ion: 75 Resp: 40505
Ion Ratio Lower Upper
75 100
77 0.7 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.744 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN075501.D
Acq: 30 Nov 2022 15:04

Tgt Ion: 75 Resp: 40505
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

