

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042923\
 Data File : VN077535.D
 Acq On : 29 Apr 2023 21:43
 Operator : JC\MD
 Sample : 02535-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-9

Quant Time: May 01 01:26:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:50:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	593395	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1109484	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	969162	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	337812	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	385129	49.738	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.480%
35) Dibromofluoromethane	8.178	113	345148	51.758	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.520%
50) Toluene-d8	10.572	98	1322698	51.754	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.500%
62) 4-Bromofluorobenzene	12.854	95	400825	47.935	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.880%

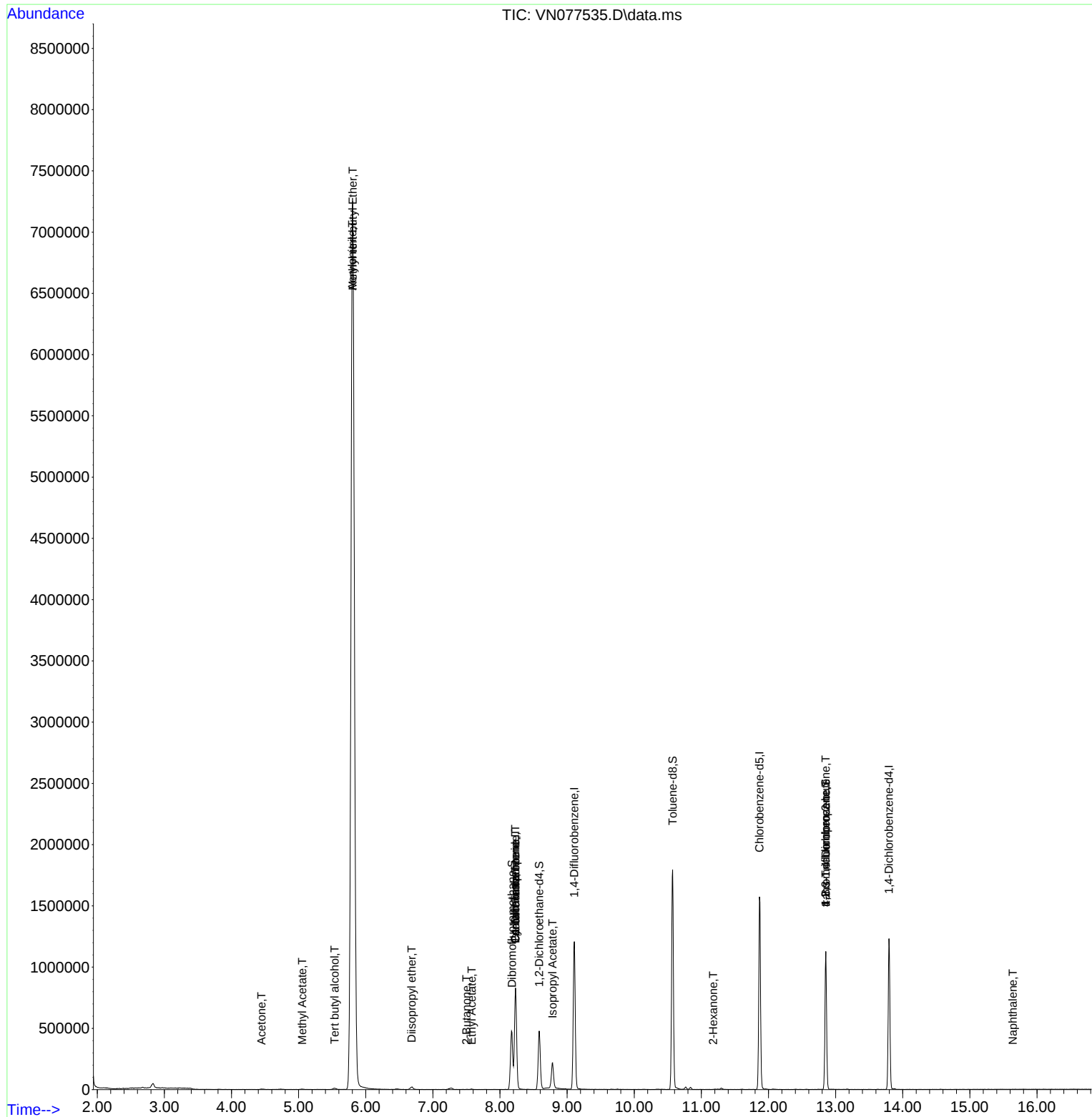
Target Compounds						Qvalue
11) Tert butyl alcohol	5.537	59	19618	15.782	ug/l #	72
15) Acrylonitrile	5.801	53	129934	46.077	ug/l #	30
16) Acetone	4.448	43	5057	2.053	ug/l #	66
18) Methyl Acetate	5.054	43	6357	0.668	ug/l	95
19) Methyl tert-butyl Ether	5.807	73	14125619	641.408	ug/l	99
22) Diisopropyl ether	6.684	45	19897	1.178	ug/l	94
25) 2-Butanone	7.501	43	1231	0.352	ug/l #	81
31) Cyclohexane	8.231	56	13403	1.222	ug/l #	1
36) 1,1-Dichloropropene	8.231	75	51956	5.393	ug/l #	48
37) Ethyl Acetate	7.578	43	4315	0.589	ug/l #	82
38) Carbon Tetrachloride	8.231	117	68265	6.422	ug/l #	15
43) Isopropyl Acetate	8.783	43	82374	6.504	ug/l #	31
59) 2-Hexanone	11.177	43	1481	0.274	ug/l #	27
76) 1,2,3-Trichloropropane	12.854	75	216794	27.598	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	216794	77.969	ug/l #	15
95) Naphthalene	15.642	128	548	1.201	ug/l #	70

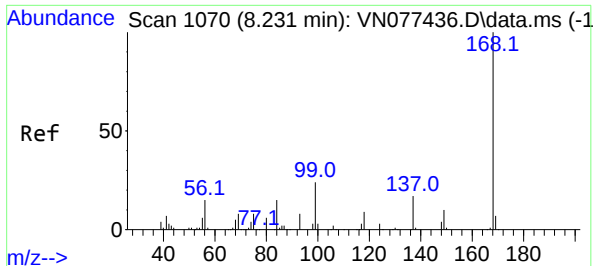
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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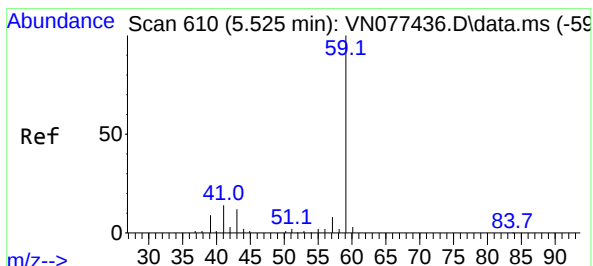
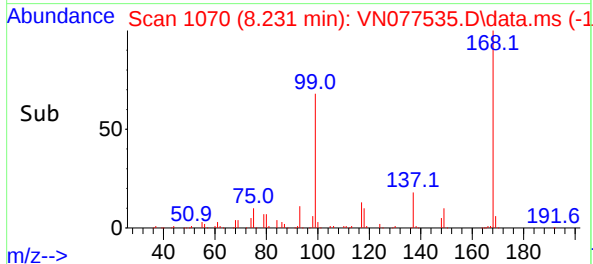
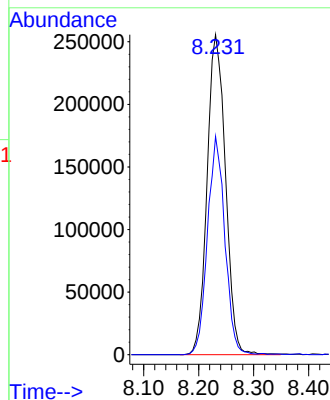
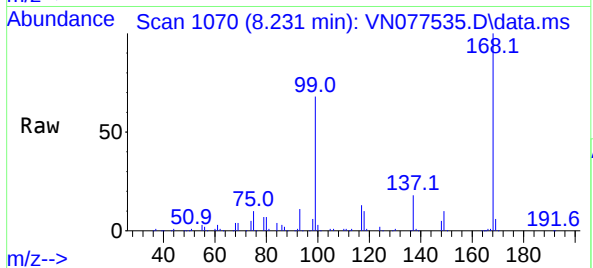




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077535.D
Acq: 29 Apr 2023 21:43

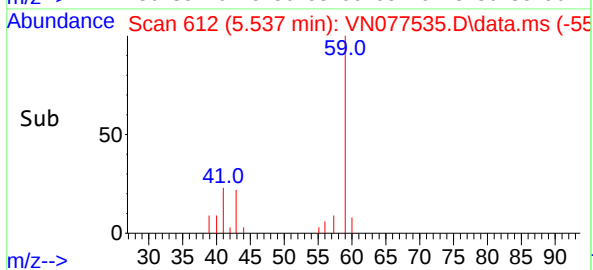
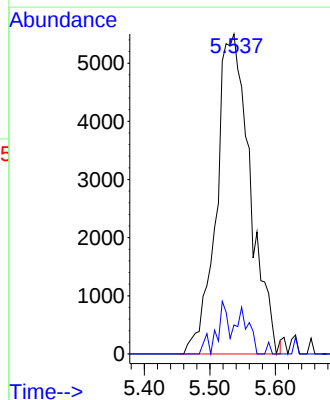
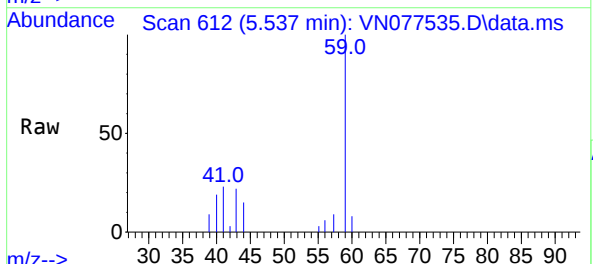
Instrument :
MSVOA_N
ClientSampleId :
TP-9

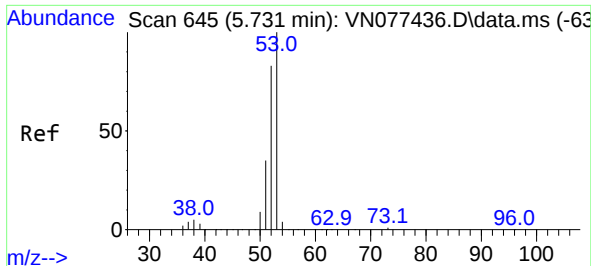
Tgt Ion:168 Resp: 593395
Ion Ratio Lower Upper
168 100
99 68.2 53.0 79.6



#11
Tert butyl alcohol
Concen: 15.782 ug/l
RT: 5.537 min Scan# 612
Delta R.T. 0.012 min
Lab File: VN077535.D
Acq: 29 Apr 2023 21:43

Tgt Ion: 59 Resp: 19618
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

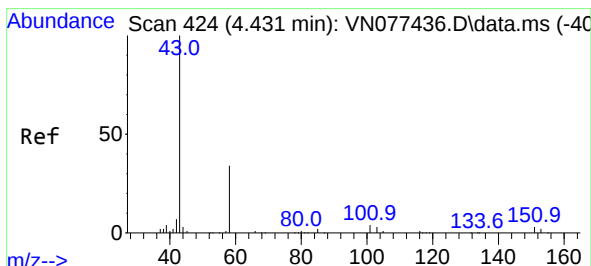
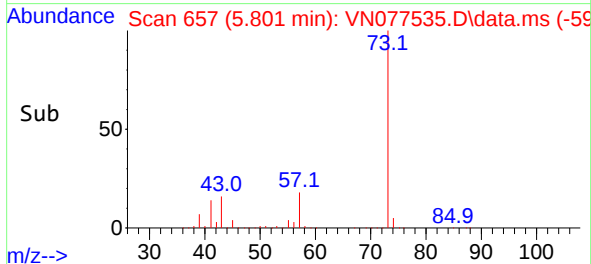
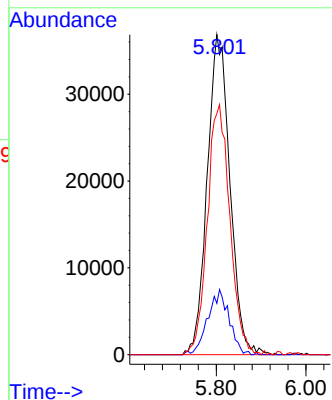
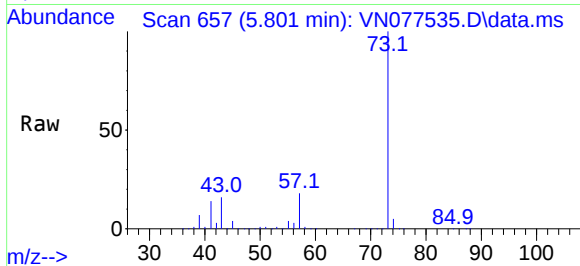




#15
Acrylonitrile
Concen: 46.077 ug/l
RT: 5.801 min Scan# 61
Delta R.T. 0.070 min
Lab File: VN077535.D
Acq: 29 Apr 2023 21:43

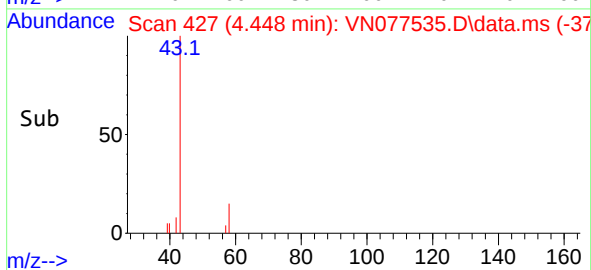
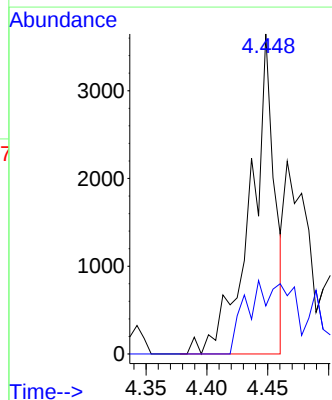
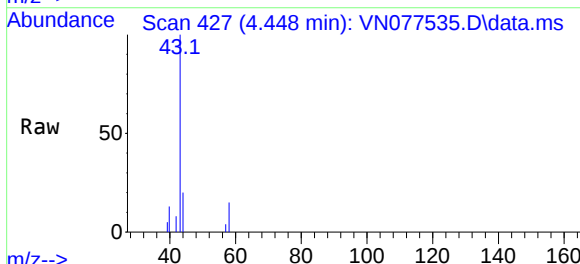
Instrument :
MSVOA_N
ClientSampleId :
TP-9

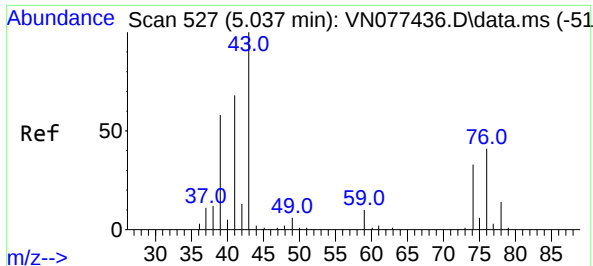
Tgt Ion: 53 Resp: 129934
Ion Ratio Lower Upper
53 100
52 19.1 65.3 97.9#
51 77.3 28.9 43.3#



#16
Acetone
Concen: 2.053 ug/l
RT: 4.448 min Scan# 427
Delta R.T. 0.018 min
Lab File: VN077535.D
Acq: 29 Apr 2023 21:43

Tgt Ion: 43 Resp: 5057
Ion Ratio Lower Upper
43 100
58 15.0 28.0 42.0#





#18

Methyl Acetate

Concen: 0.668 ug/l

RT: 5.054 min Scan# 51

Delta R.T. 0.018 min

Lab File: VN077535.D

Acq: 29 Apr 2023 21:43

Instrument :

MSVOA_N

ClientSampleId :

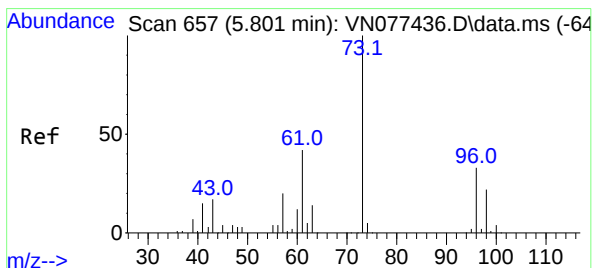
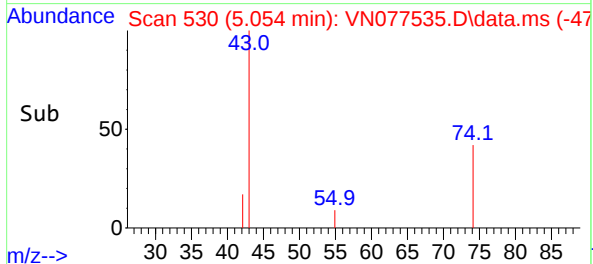
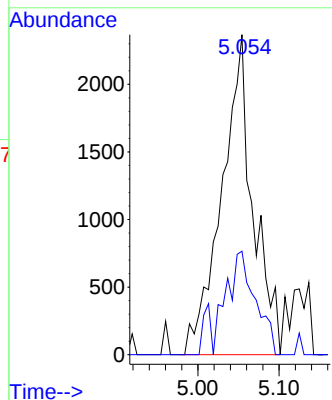
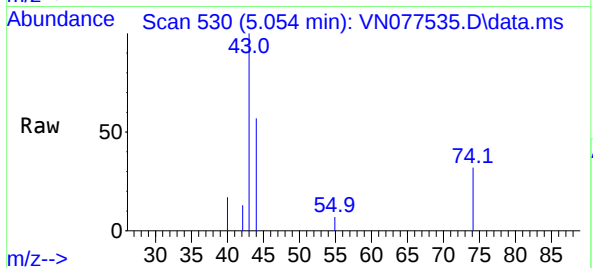
TP-9

Tgt Ion: 43 Resp: 6357

Ion Ratio Lower Upper

43 100

74 30.0 26.2 39.4



#19

Methyl tert-butyl Ether

Concen: 641.408 ug/l

RT: 5.807 min Scan# 658

Delta R.T. 0.006 min

Lab File: VN077535.D

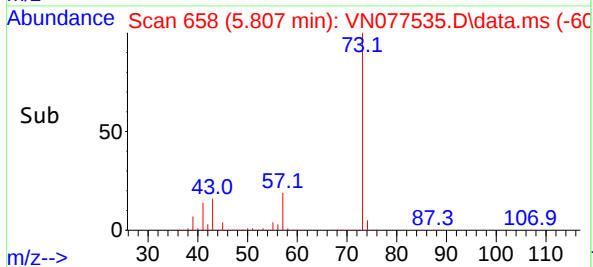
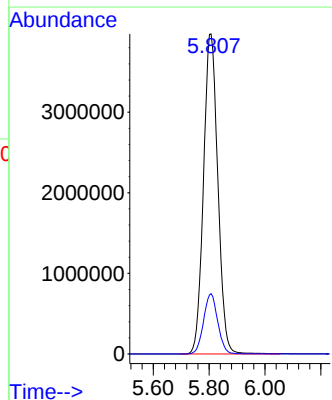
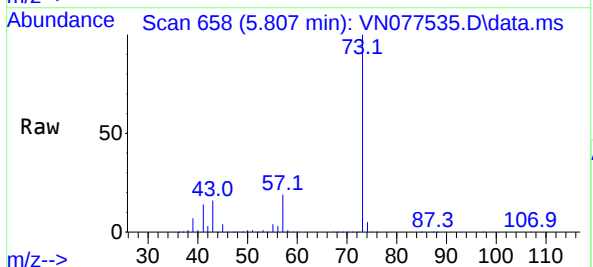
Acq: 29 Apr 2023 21:43

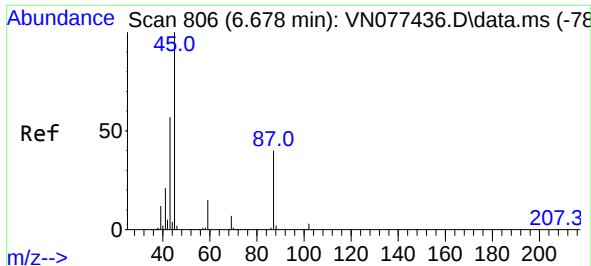
Tgt Ion: 73 Resp:14125619

Ion Ratio Lower Upper

73 100

57 18.8 15.6 23.4

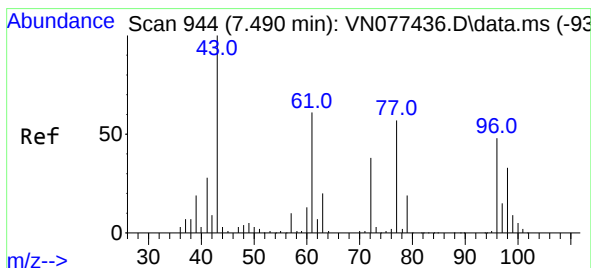
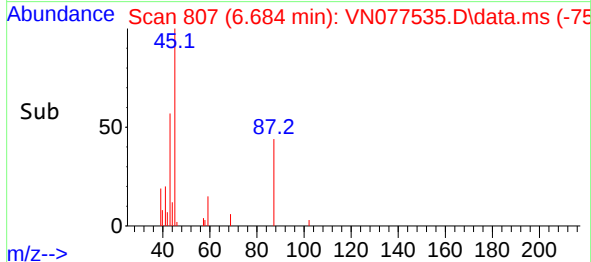
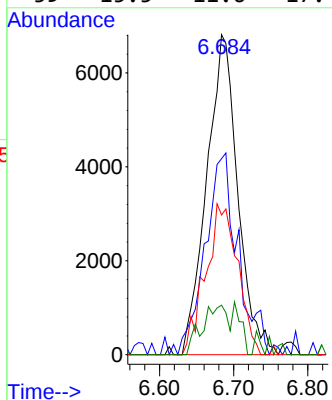
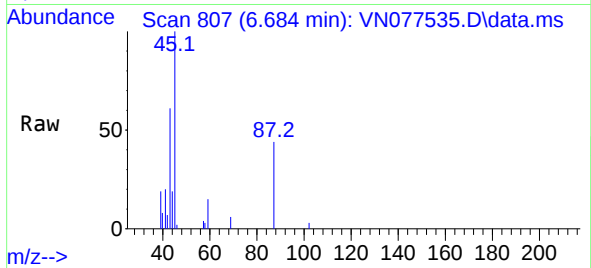




#22
Diisopropyl ether
Concen: 1.178 ug/l
RT: 6.684 min Scan# 806
Delta R.T. 0.006 min
Lab File: VN077535.D
Acq: 29 Apr 2023 21:43

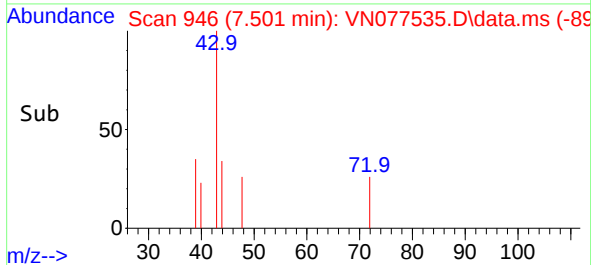
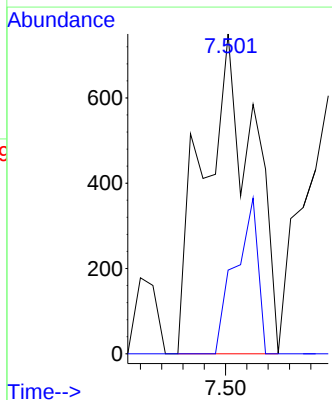
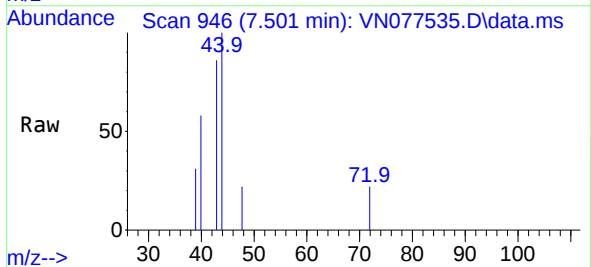
Instrument :
MSVOA_N
ClientSampleId :
TP-9

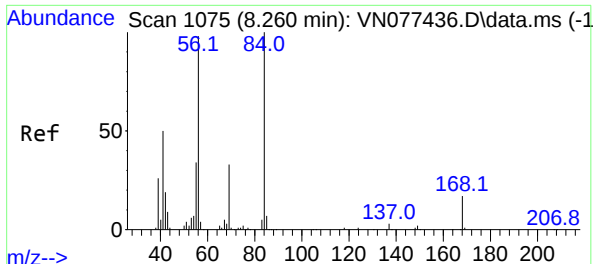
Tgt Ion: 45	Resp: 19897
Ion Ratio	Lower Upper
45 100	
43 61.2	45.5 68.3
87 43.7	31.8 47.8
59 15.5	11.6 17.4



#25
2-Butanone
Concen: 0.352 ug/l
RT: 7.501 min Scan# 946
Delta R.T. 0.012 min
Lab File: VN077535.D
Acq: 29 Apr 2023 21:43

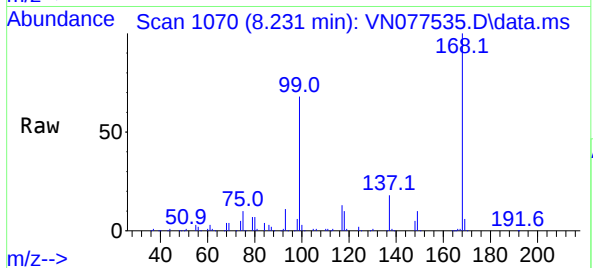
Tgt Ion: 43	Resp: 1231
Ion Ratio	Lower Upper
43 100	
72 26.1	30.2 45.2#



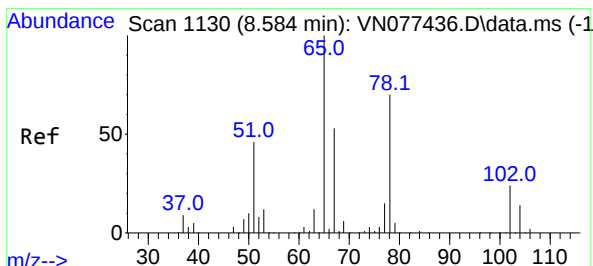
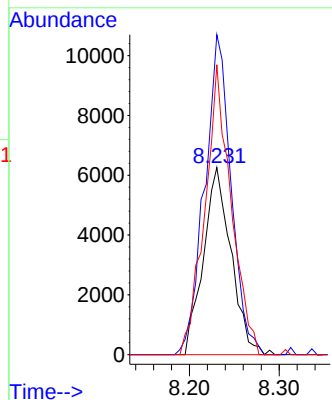
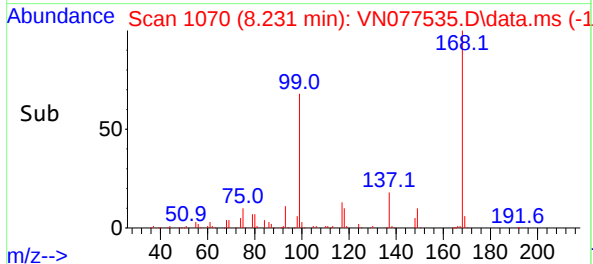


#31
Cyclohexane
Concen: 1.222 ug/l
RT: 8.231 min Scan# 1075
Delta R.T. -0.030 min
Lab File: VN077535.D
Acq: 29 Apr 2023 21:43

Instrument :
MSVOA_N
ClientSampleId :
TP-9

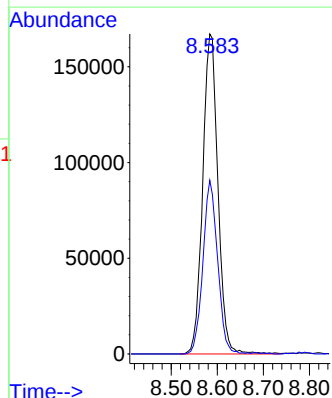
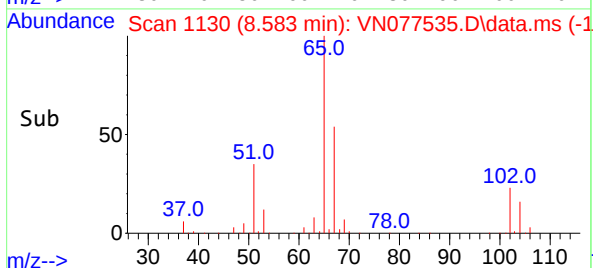
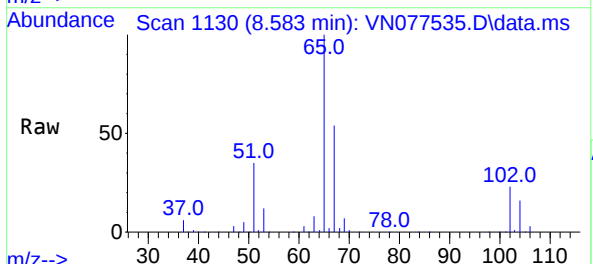


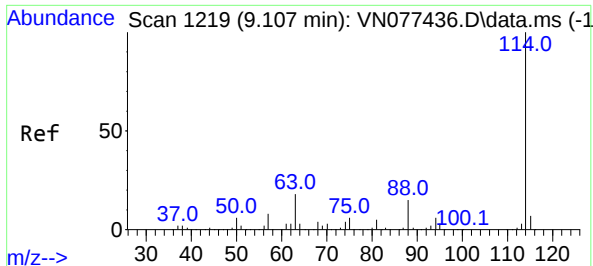
Tgt Ion: 56 Resp: 13403
Ion Ratio Lower Upper
56 100
69 170.9 26.8 40.2#
84 154.9 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 49.738 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN077535.D
Acq: 29 Apr 2023 21:43

Tgt Ion: 65 Resp: 385129
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN077535.D

Acq: 29 Apr 2023 21:43

Instrument :

MSVOA_N

ClientSampleId :

TP-9

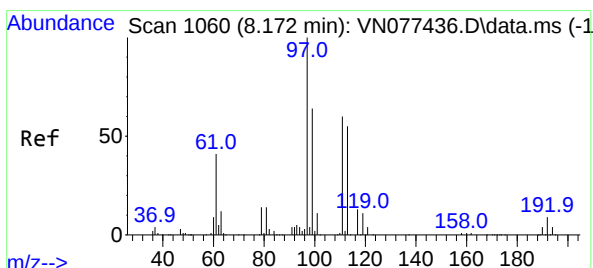
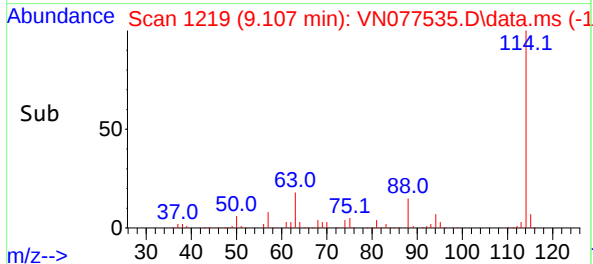
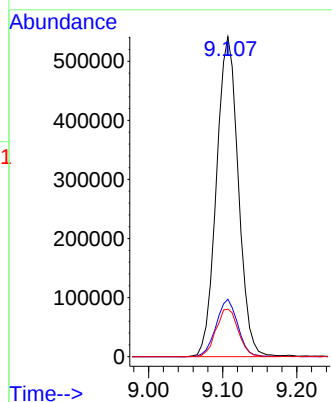
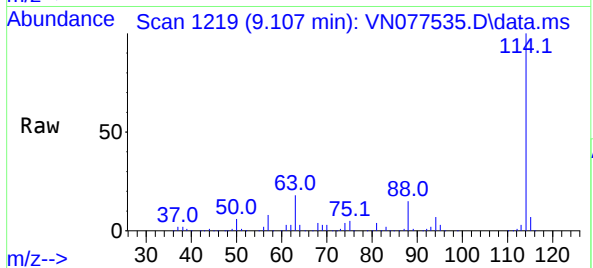
Tgt Ion:114 Resp: 1109484

Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.4

88 14.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.758 ug/l

RT: 8.178 min Scan# 1061

Delta R.T. 0.006 min

Lab File: VN077535.D

Acq: 29 Apr 2023 21:43

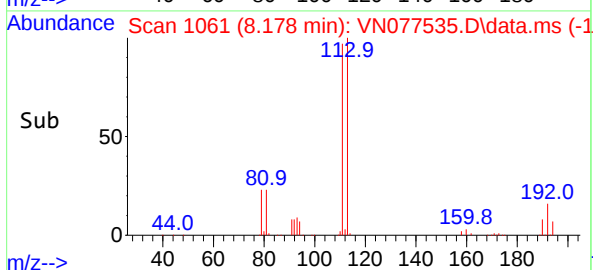
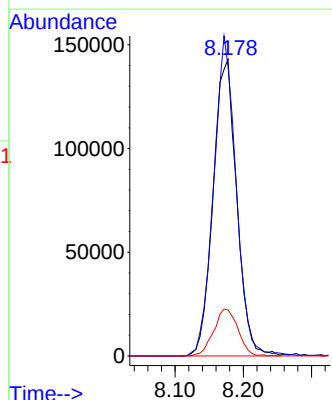
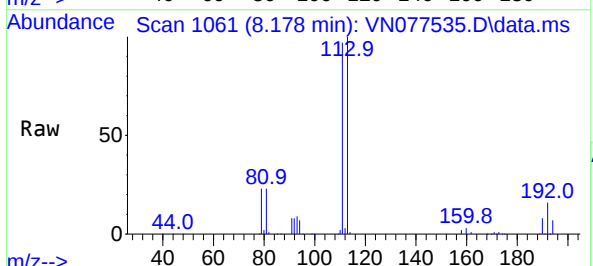
Tgt Ion:113 Resp: 345148

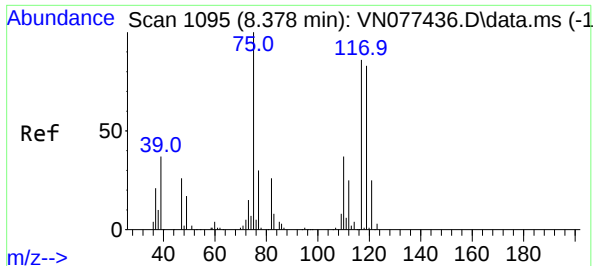
Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

192 16.3 12.7 19.1

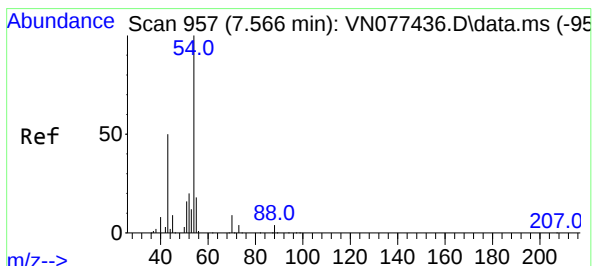
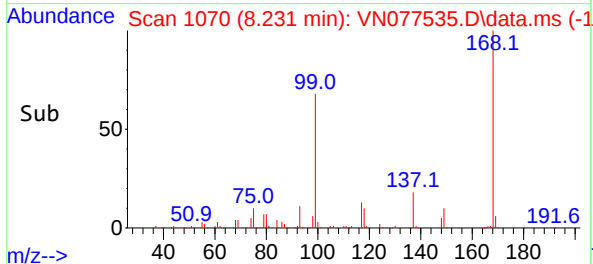
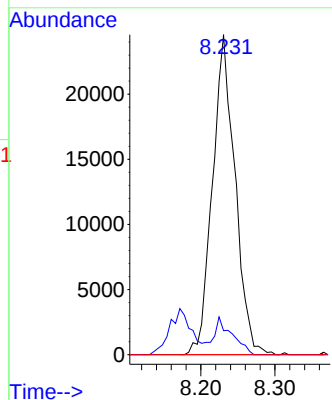
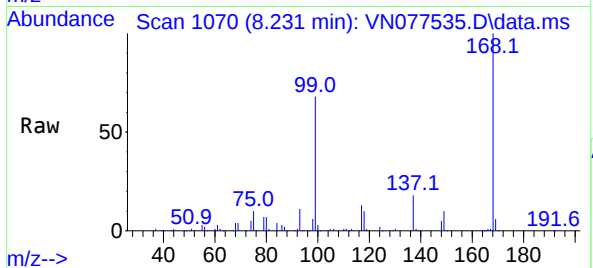




#36
1,1-Dichloropropene
Concen: 5.393 ug/l
RT: 8.231 min Scan# 110
Delta R.T. -0.147 min
Lab File: VN077535.D
Acq: 29 Apr 2023 21:43

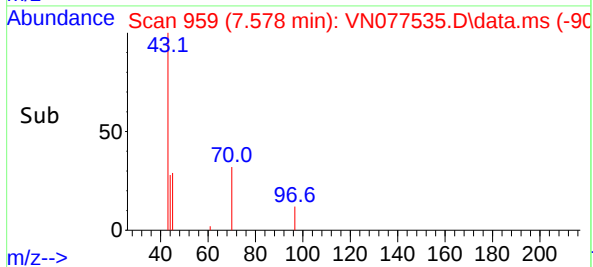
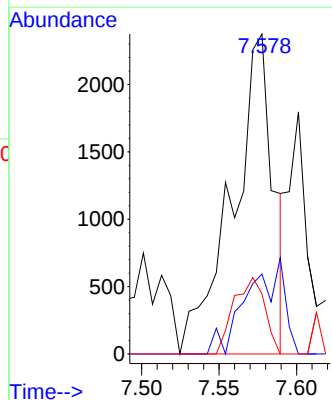
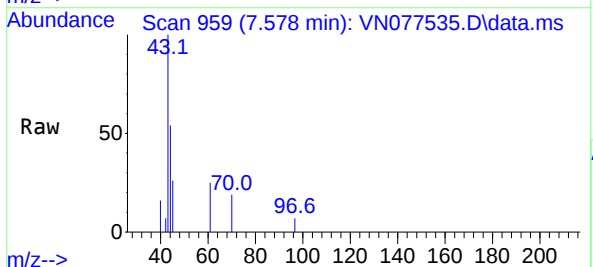
Instrument :
MSVOA_N
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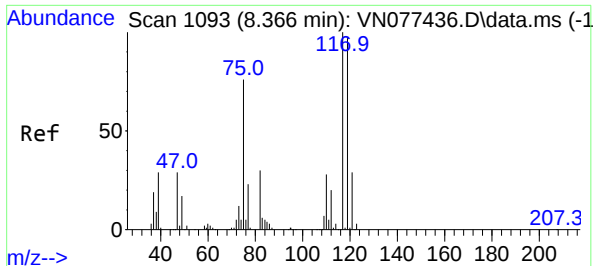
Tgt Ion: 75 Resp: 51956
Ion Ratio Lower Upper
75 100
110 8.6 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 0.589 ug/l
RT: 7.578 min Scan# 959
Delta R.T. 0.012 min
Lab File: VN077535.D
Acq: 29 Apr 2023 21:43

Tgt Ion: 43 Resp: 4315
Ion Ratio Lower Upper
43 100
61 27.0 13.2 19.8#
70 18.2 11.3 16.9#

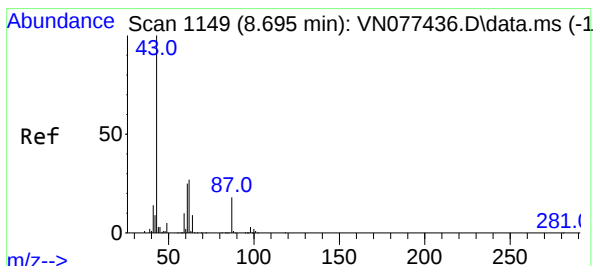
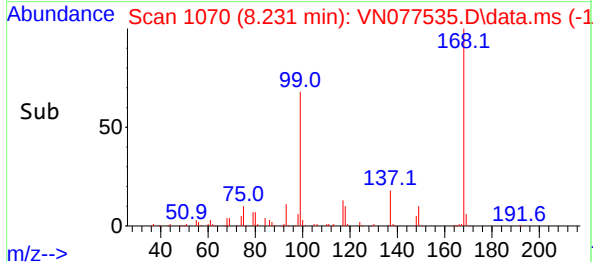
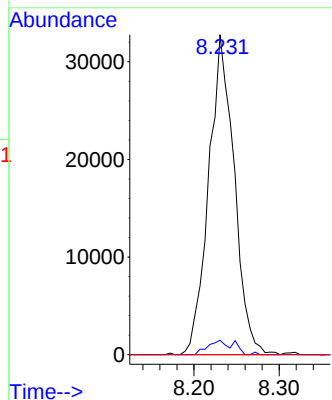
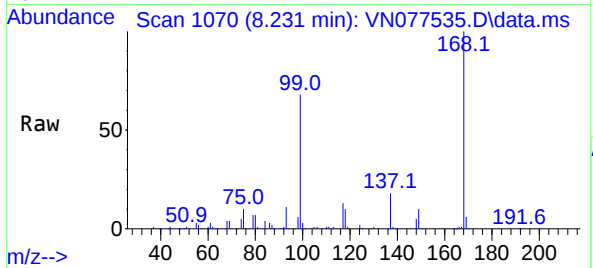




#38
Carbon Tetrachloride
Concen: 6.422 ug/l
RT: 8.231 min Scan# 1164
Delta R.T. -0.135 min
Lab File: VN077535.D
Acq: 29 Apr 2023 21:43

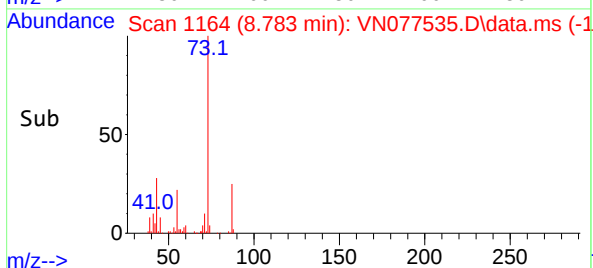
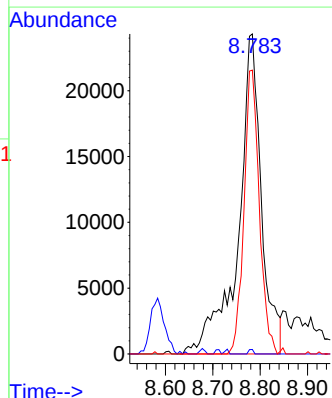
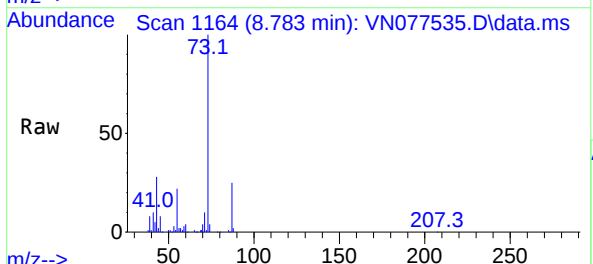
Instrument :
MSVOA_N
ClientSampleId :
TP-9

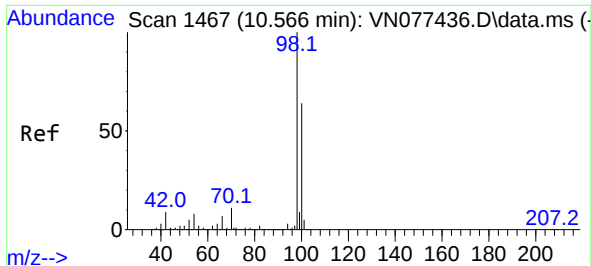
Tgt Ion:117 Resp: 68265
Ion Ratio Lower Upper
117 100
119 4.5 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 6.504 ug/l
RT: 8.783 min Scan# 1164
Delta R.T. 0.088 min
Lab File: VN077535.D
Acq: 29 Apr 2023 21:43

Tgt Ion: 43 Resp: 82374
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 58.7 14.6 21.8#

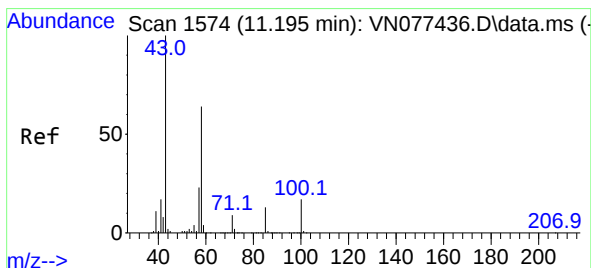
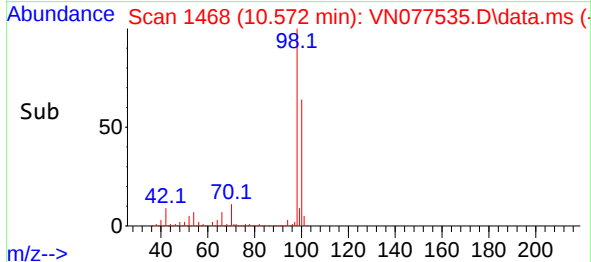
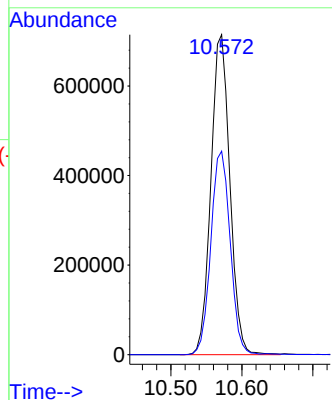
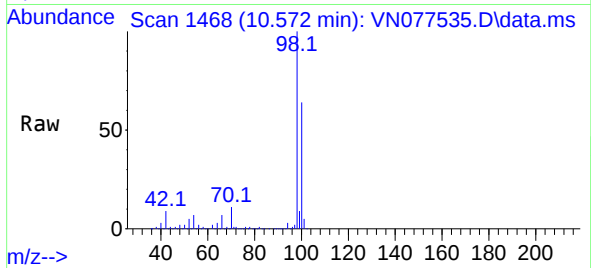




#50
Toluene-d8
Concen: 51.754 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN077535.D
Acq: 29 Apr 2023 21:43

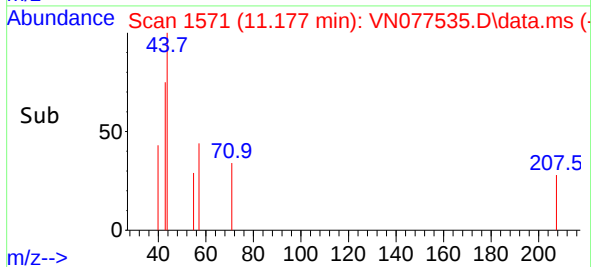
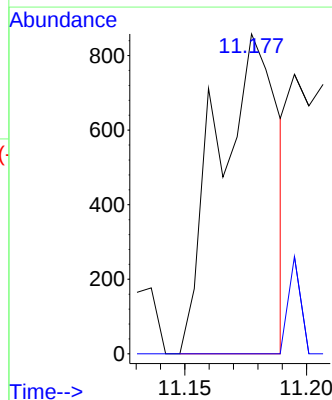
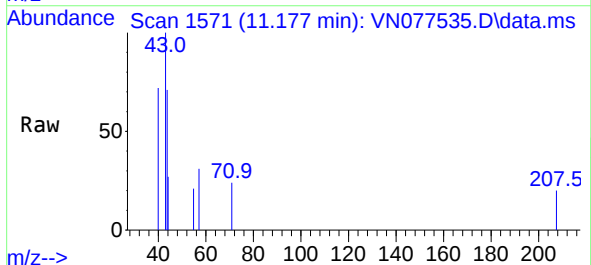
Instrument :
MSVOA_N
ClientSampleId :
TP-9

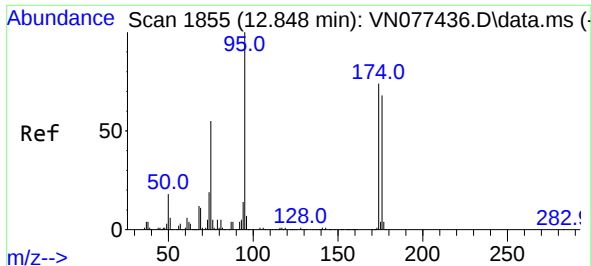
Tgt Ion: 98 Resp: 1322698
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0



#59
2-Hexanone
Concen: 0.274 ug/l
RT: 11.177 min Scan# 1571
Delta R.T. -0.018 min
Lab File: VN077535.D
Acq: 29 Apr 2023 21:43

Tgt Ion: 43 Resp: 1481
Ion Ratio Lower Upper
43 100
58 6.2 31.7 95.1#

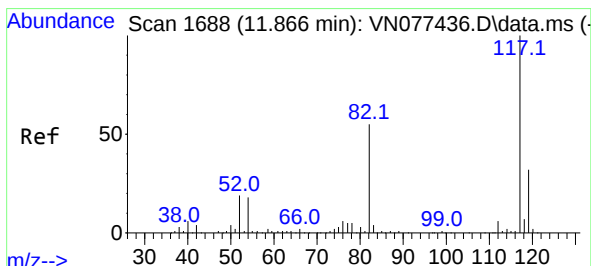
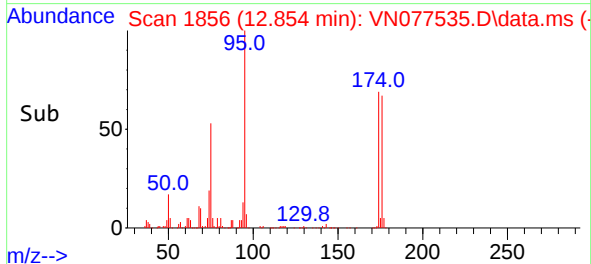
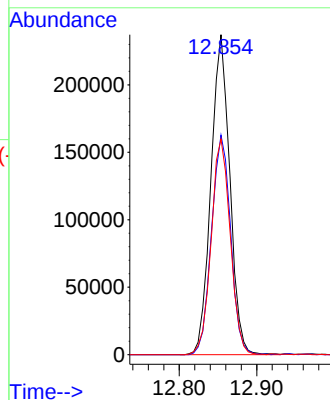
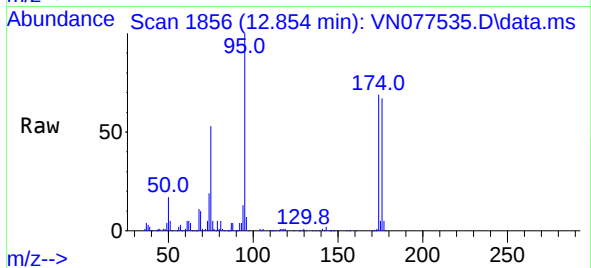




#62
4-Bromofluorobenzene
Concen: 47.935 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077535.D
Acq: 29 Apr 2023 21:43

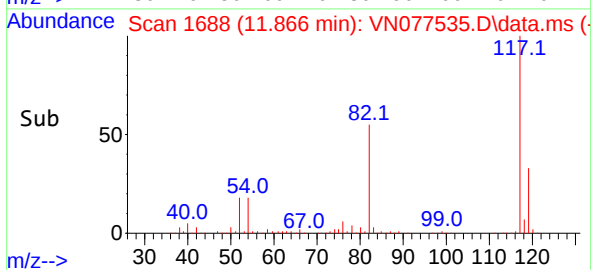
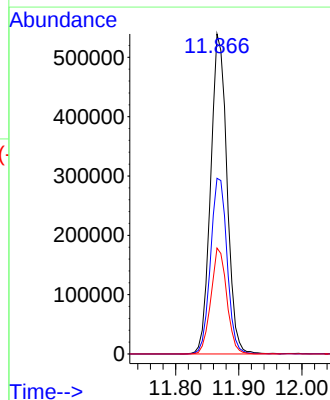
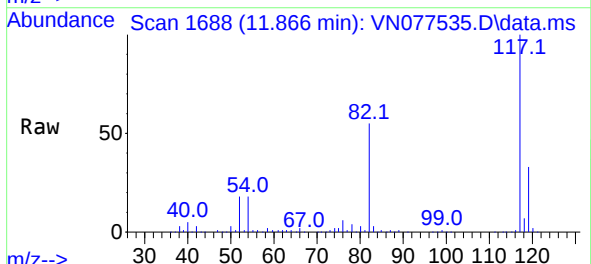
Instrument :
MSVOA_N
ClientSampleId :
TP-9

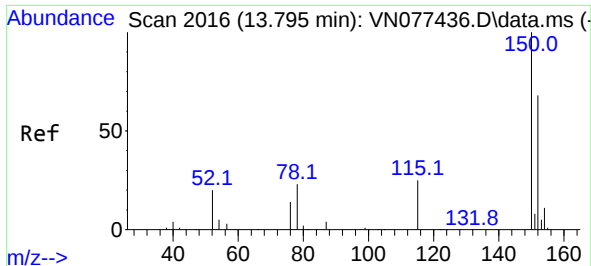
Tgt Ion: 95 Resp: 400825
Ion Ratio Lower Upper
95 100
174 69.5 0.0 143.8
176 67.9 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VN077535.D
Acq: 29 Apr 2023 21:43

Tgt Ion: 117 Resp: 969162
Ion Ratio Lower Upper
117 100
82 54.9 44.0 66.0
119 33.1 25.6 38.4

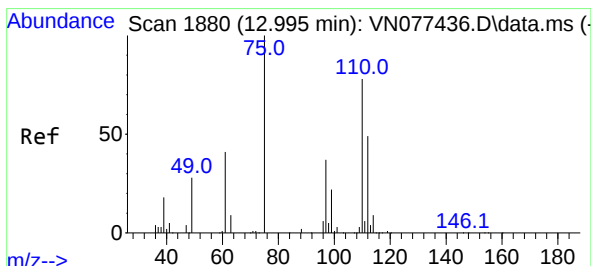
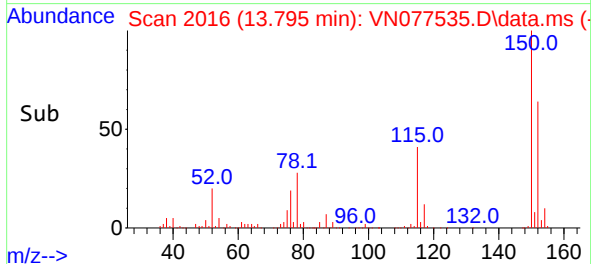
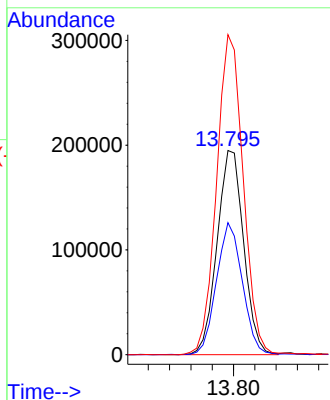
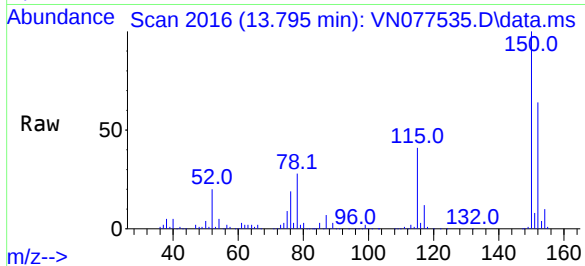




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077535.D
Acq: 29 Apr 2023 21:43

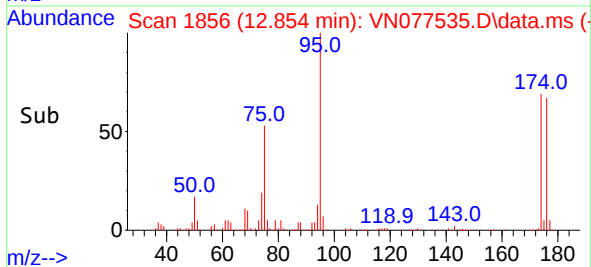
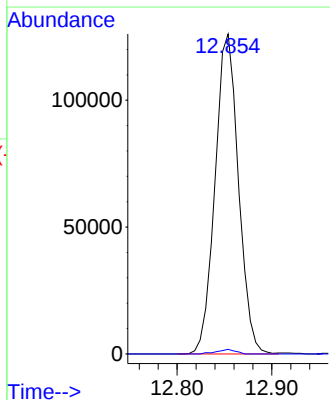
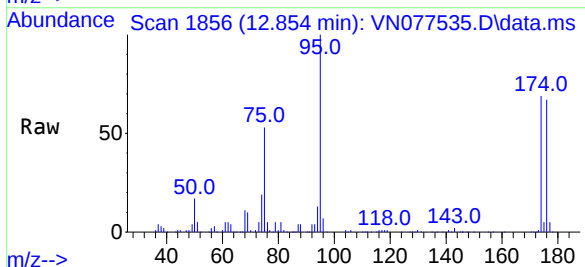
Instrument :
MSVOA_N
ClientSampleId :
TP-9

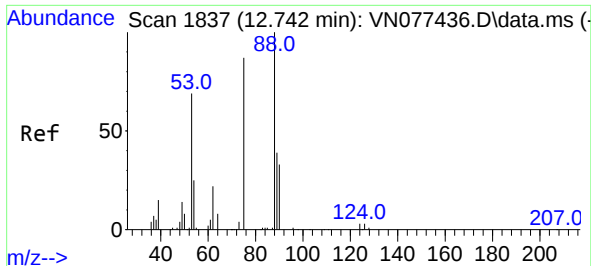
Tgt Ion:152 Resp: 337812
Ion Ratio Lower Upper
152 100
115 63.2 32.3 96.8
150 157.6 0.0 355.8



#76
1,2,3-Trichloropropane
Concen: 27.598 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077535.D
Acq: 29 Apr 2023 21:43

Tgt Ion: 75 Resp: 216794
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#

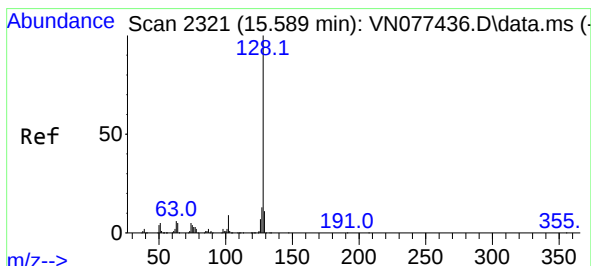
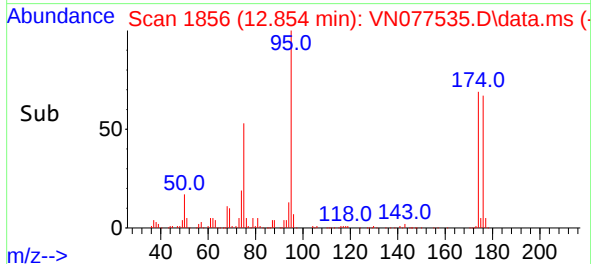
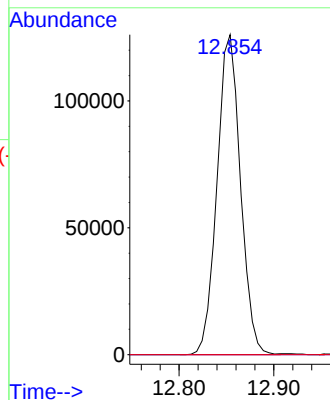
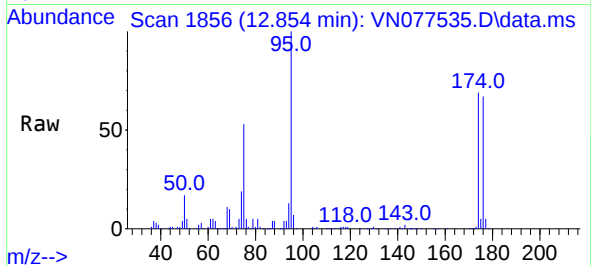




#81
trans-1,4-Dichloro-2-butene
Concen: 77.969 ug/l
RT: 12.854 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN077535.D
Acq: 29 Apr 2023 21:43

Instrument :
MSVOA_N
ClientSampleId :
TP-9

Tgt Ion: 75 Resp: 216794
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#95
Naphthalene
Concen: 1.201 ug/l
RT: 15.642 min Scan# 2330
Delta R.T. 0.053 min
Lab File: VN077535.D
Acq: 29 Apr 2023 21:43

Tgt Ion:128 Resp: 548
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

