

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041923\
 Data File : VN077382.D
 Acq On : 19 Apr 2023 17:58
 Operator : JC\MD
 Sample : PB152199ZHE#10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152199ZHE#10

Quant Time: Apr 20 04:27:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

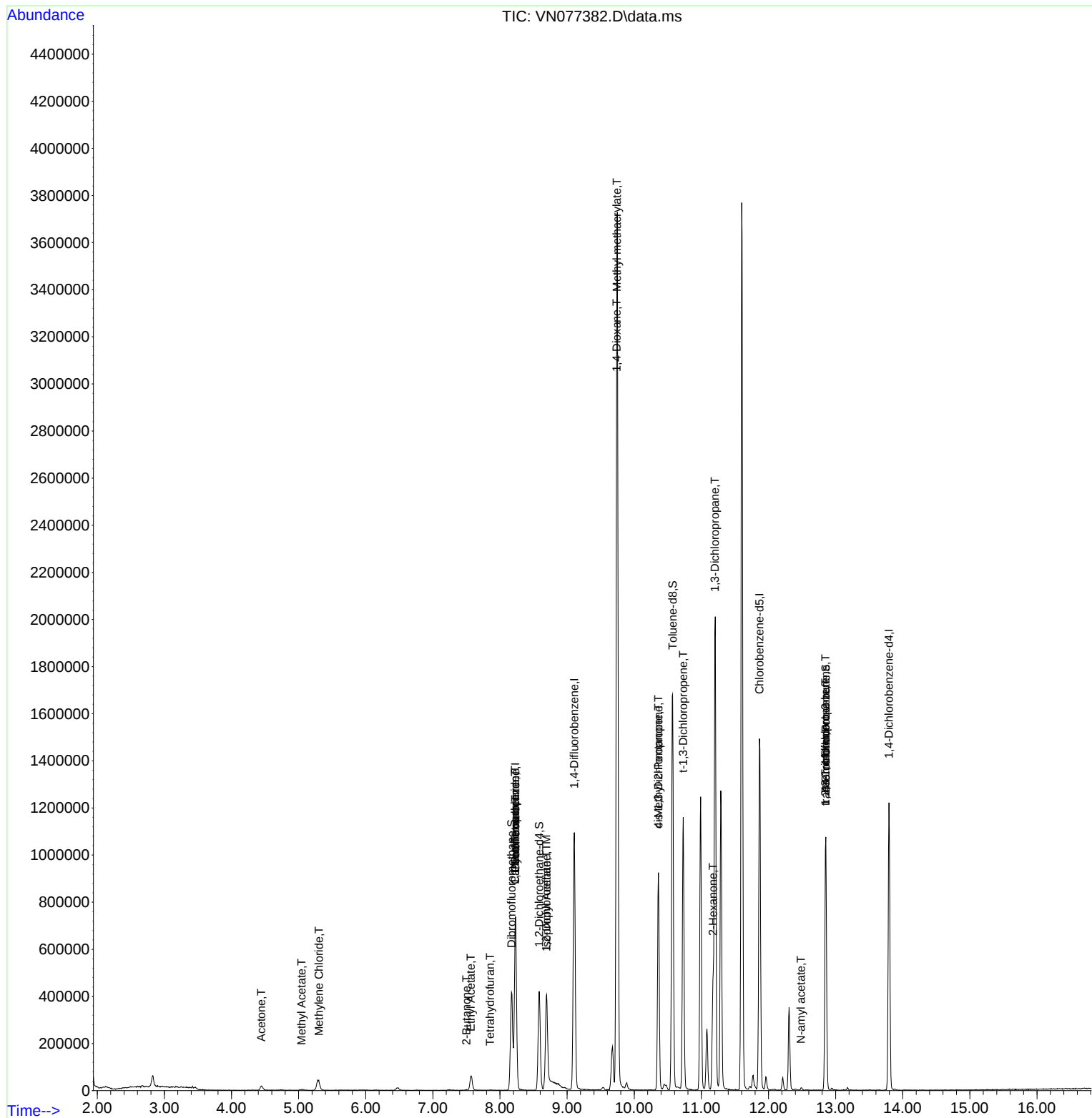
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	524212	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1023041	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	920621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	336009	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	327263	45.678	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.360%
35) Dibromofluoromethane	8.172	113	303448	46.334	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.660%
50) Toluene-d8	10.572	98	1235382	46.857	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.720%
62) 4-Bromofluorobenzene	12.854	95	387242	44.162	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.320%
Target Compounds						
					Qvalue	
16) Acetone	4.442	43	32519	12.310	ug/l #	85
18) Methyl Acetate	5.042	43	4514	0.449	ug/l #	74
20) Methylene Chloride	5.301	84	36983	4.957	ug/l #	83
25) 2-Butanone	7.501	43	3066	0.715	ug/l #	75
29) Tetrahydrofuran	7.854	42	919	0.333	ug/l #	58
31) Cyclohexane	8.230	56	12685	1.139	ug/l #	32
36) 1,1-Dichloropropene	8.225	75	45150	4.661	ug/l #	50
37) Ethyl Acetate	7.566	43	89688	10.349	ug/l #	94
38) Carbon Tetrachloride	8.225	117	56611	5.705	ug/l #	14
42) 1,2-Dichloroethane	8.689	62	3333	0.358	ug/l #	73
43) Isopropyl Acetate	8.695	43	500427	31.293	ug/l #	85
48) Methyl methacrylate	9.742	41	324625	47.586	ug/l #	33
49) 1,4-Dioxane	9.736	88	1064	6.433	ug/l #	1
51) 4-Methyl-2-Pentanone	10.360	43	314053	33.976	ug/l #	43
53) t-1,3-Dichloropropene	10.730	75	3902	0.333	ug/l #	68
54) cis-1,3-Dichloropropene	10.360	75	187292	14.985	ug/l #	61
57) 1,3-Dichloropropane	11.201	76	24007	1.872	ug/l #	42
59) 2-Hexanone	11.171	43	329355	47.827	ug/l #	20
71) Bromoform	12.854	173	2056	0.381	ug/l #	1
74) N-amyl acetate	12.483	43	5336	0.431	ug/l #	40
76) 1,2,3-Trichloropropane	12.848	75	208274	26.030	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.848	75	208274	58.576	ug/l #	13

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

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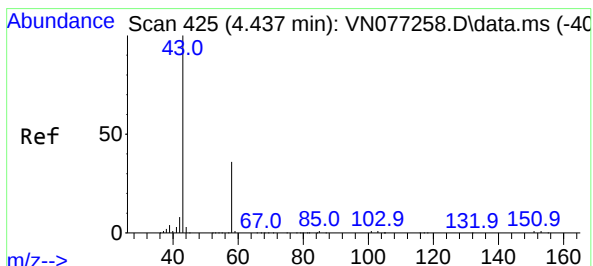
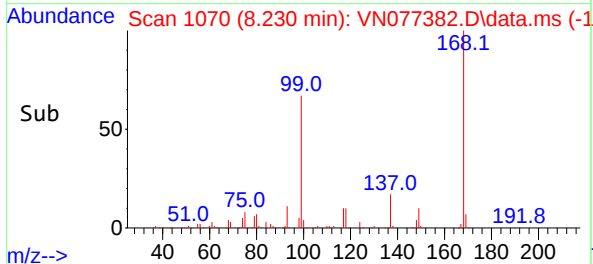
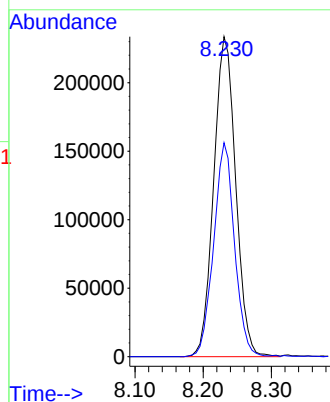
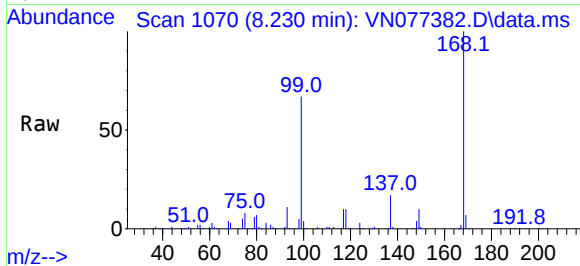




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.001 min
Lab File: VN077382.D
Acq: 19 Apr 2023 17:58

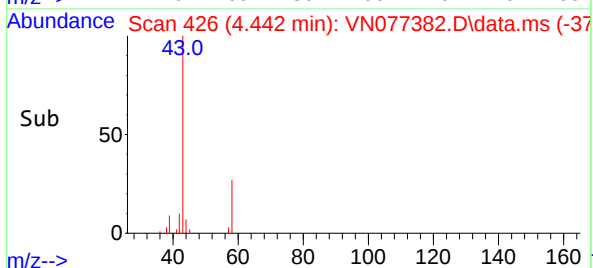
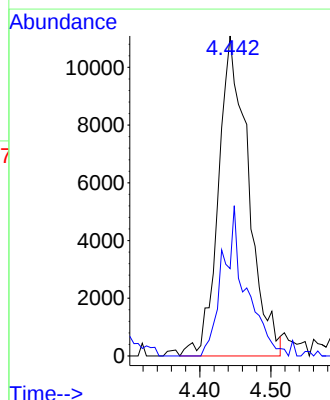
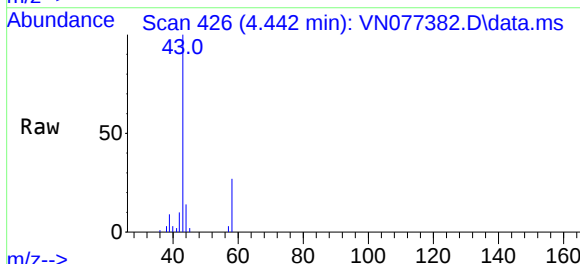
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#10

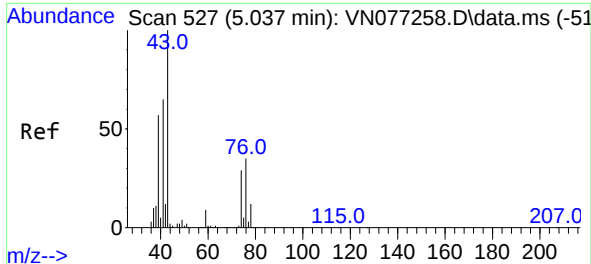
Tgt Ion:168 Resp: 524212
Ion Ratio Lower Upper
168 100
99 66.8 50.6 75.8



#16
Acetone
Concen: 12.310 ug/l
RT: 4.442 min Scan# 426
Delta R.T. 0.005 min
Lab File: VN077382.D
Acq: 19 Apr 2023 17:58

Tgt Ion: 43 Resp: 32519
Ion Ratio Lower Upper
43 100
58 27.3 29.0 43.6#





#18

Methyl Acetate

Concen: 0.449 ug/l

RT: 5.042 min Scan# 51

Delta R.T. 0.005 min

Lab File: VN077382.D

Acq: 19 Apr 2023 17:58

Instrument :

MSVOA_N

ClientSampleId :

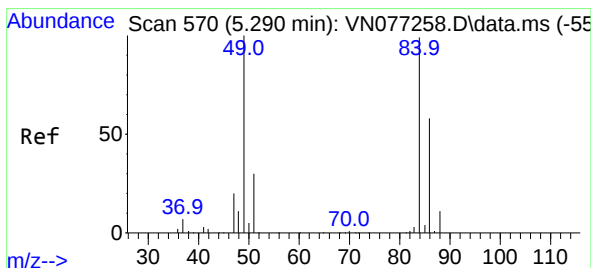
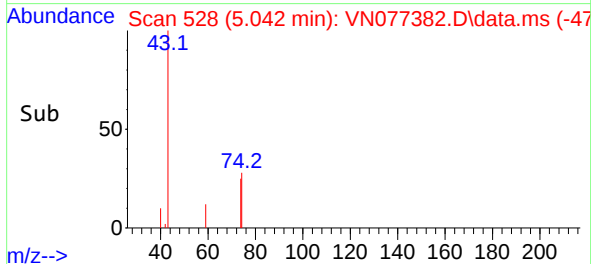
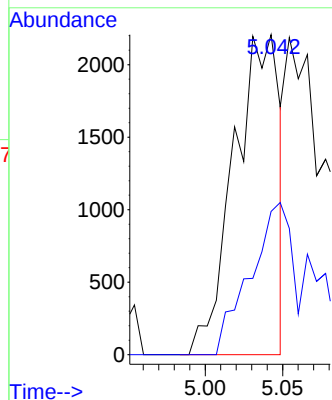
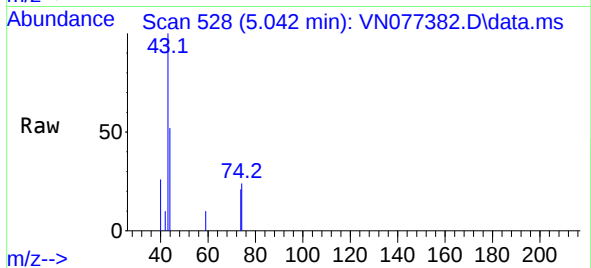
PB152199ZHE#10

Tgt Ion: 43 Resp: 4514

Ion Ratio Lower Upper

43 100

74 43.4 23.4 35.2#



#20

Methylene Chloride

Concen: 4.957 ug/l

RT: 5.301 min Scan# 572

Delta R.T. 0.011 min

Lab File: VN077382.D

Acq: 19 Apr 2023 17:58

Tgt Ion: 84 Resp: 36983

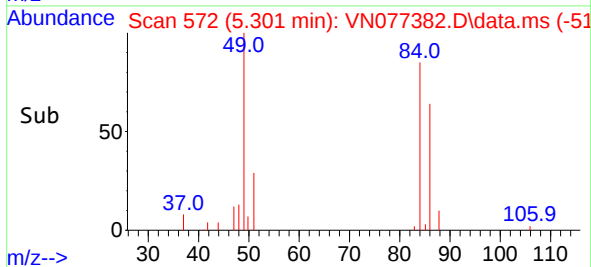
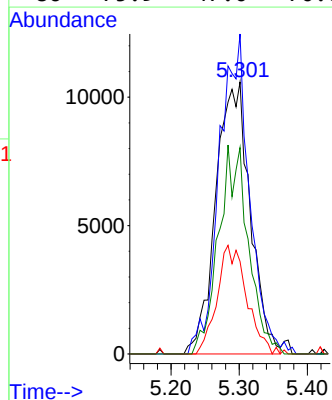
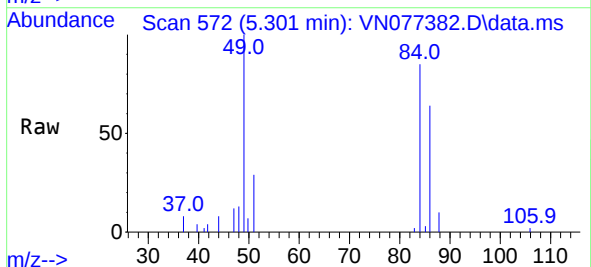
Ion Ratio Lower Upper

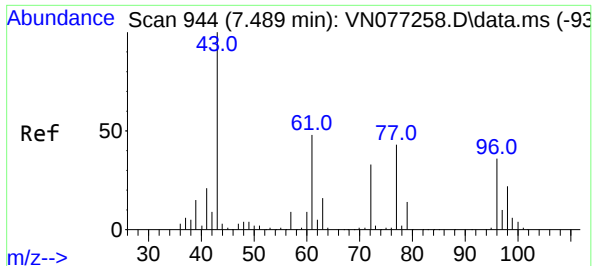
84 100

49 117.7 80.6 121.0

51 34.0 24.4 36.6

86 75.9 47.0 70.6#





#25

2-Butanone

Concen: 0.715 ug/l

RT: 7.501 min Scan# 94

Delta R.T. 0.012 min

Lab File: VN077382.D

Acq: 19 Apr 2023 17:58

Instrument :

MSVOA_N

ClientSampleId :

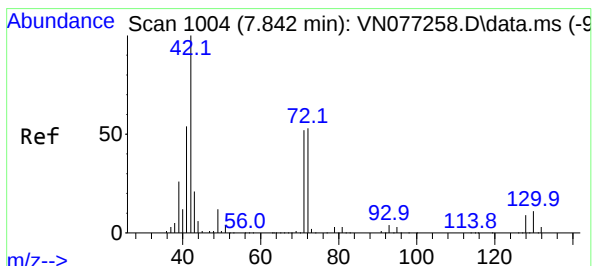
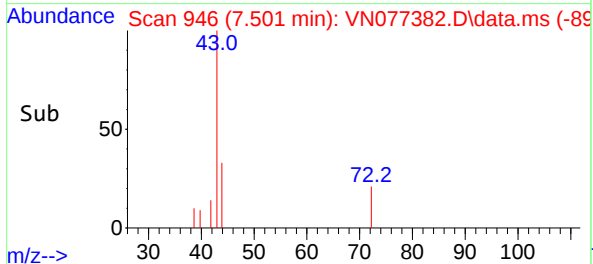
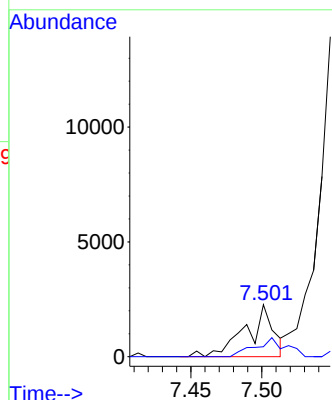
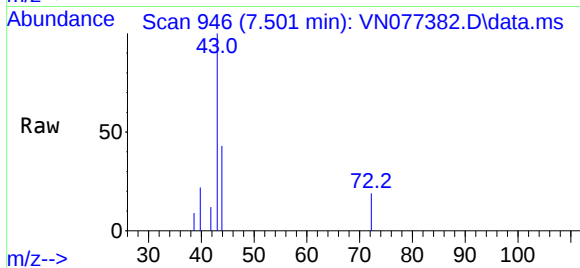
PB152199ZHE#10

Tgt Ion: 43 Resp: 3066

Ion Ratio Lower Upper

43 100

72 19.1 26.6 39.8#



#29

Tetrahydrofuran

Concen: 0.333 ug/l

RT: 7.854 min Scan# 1006

Delta R.T. 0.012 min

Lab File: VN077382.D

Acq: 19 Apr 2023 17:58

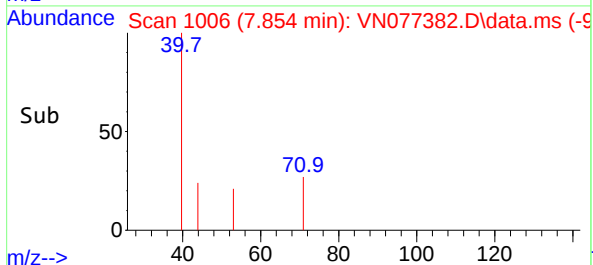
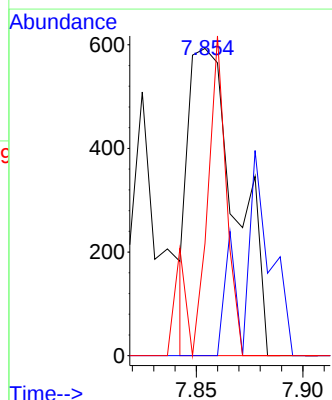
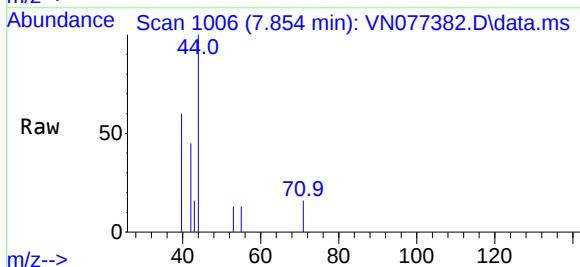
Tgt Ion: 42 Resp: 919

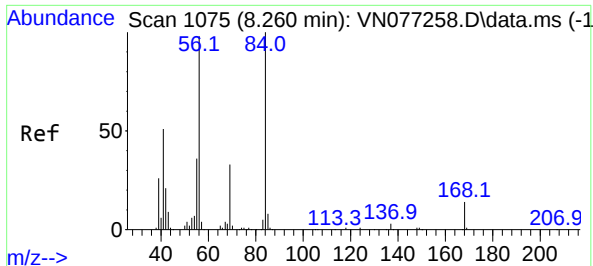
Ion Ratio Lower Upper

42 100

72 0.0 44.6 66.8#

71 47.9 41.3 61.9





#31

Cyclohexane

Concen: 1.139 ug/l

RT: 8.230 min Scan# 1075

Delta R.T. -0.030 min

Lab File: VN077382.D

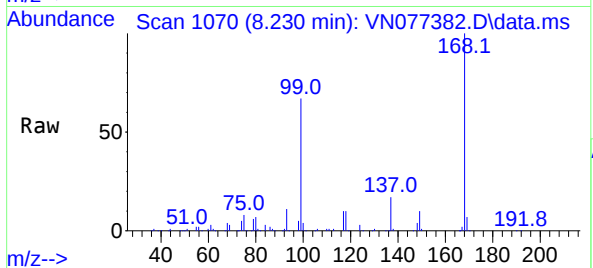
Acq: 19 Apr 2023 17:58

Instrument :

MSVOA_N

ClientSampleId :

PB152199ZHE#10



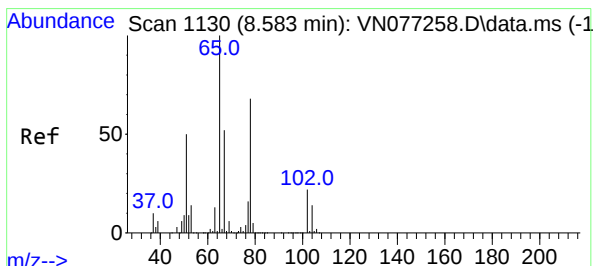
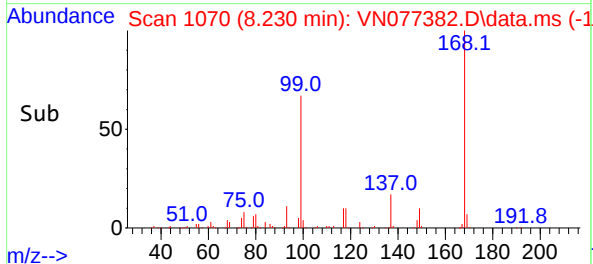
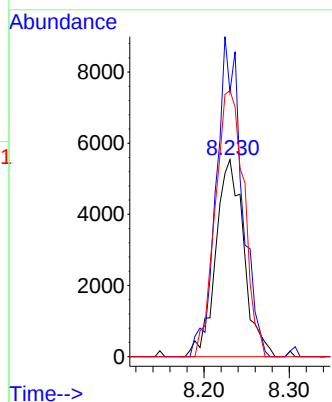
Tgt Ion: 56 Resp: 12685

Ion Ratio Lower Upper

56 100

69 134.3 26.6 40.0#

84 135.1 81.8 122.8#



#33

1,2-Dichloroethane-d4

Concen: 45.678 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN077382.D

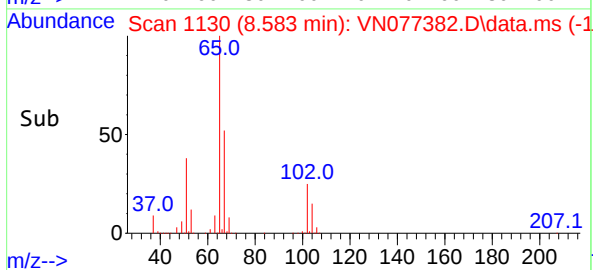
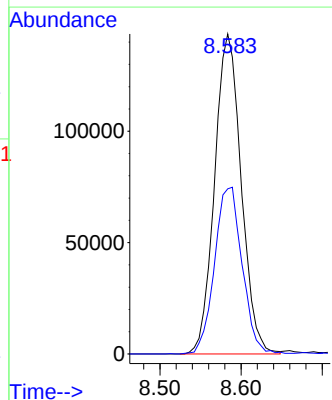
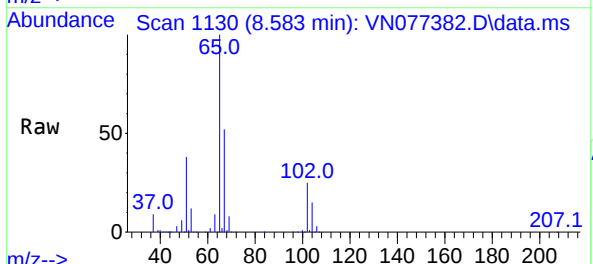
Acq: 19 Apr 2023 17:58

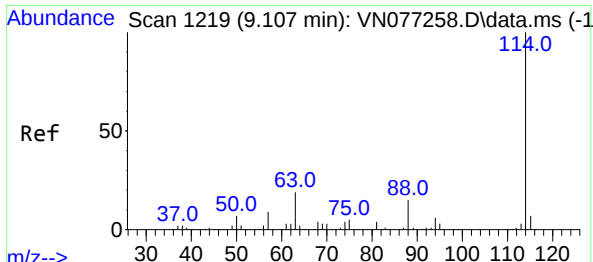
Tgt Ion: 65 Resp: 327263

Ion Ratio Lower Upper

65 100

67 54.1 0.0 108.8

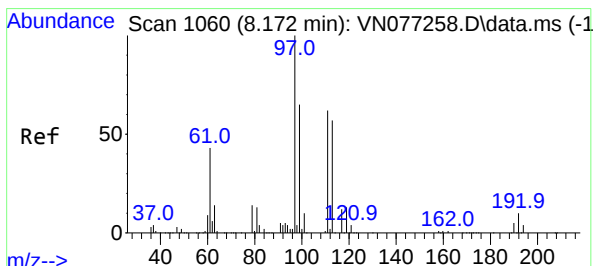
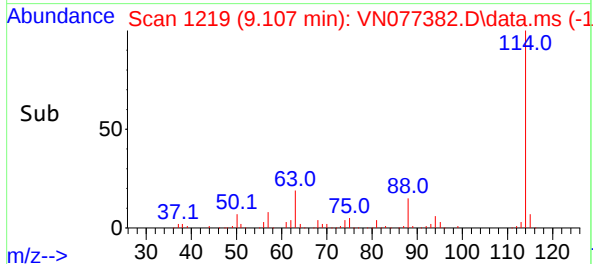
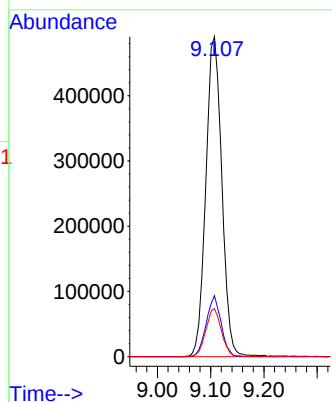
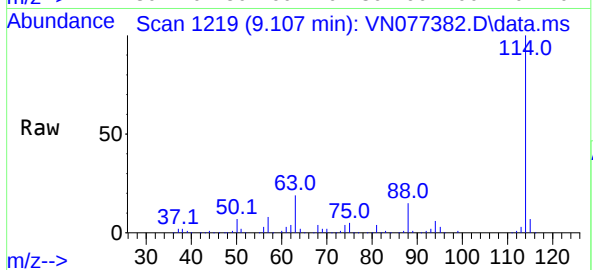




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077382.D
Acq: 19 Apr 2023 17:58

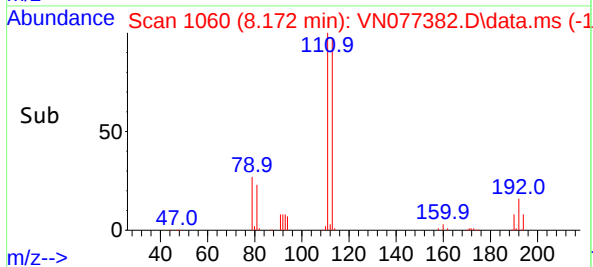
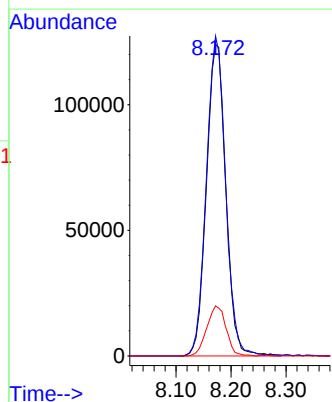
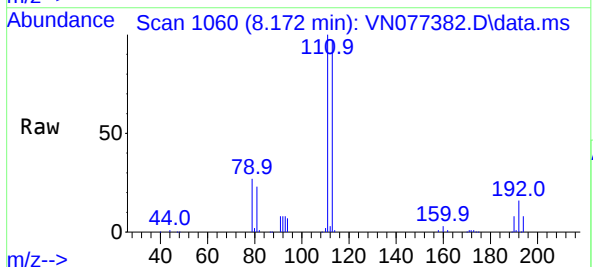
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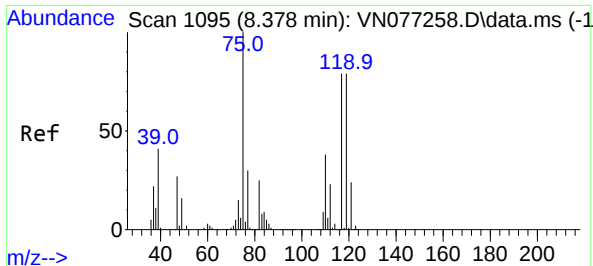
Tgt Ion:114 Resp: 1023041
Ion Ratio Lower Upper
114 100
63 19.0 0.0 37.8
88 15.0 0.0 29.4



#35
Dibromofluoromethane
Concen: 46.334 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077382.D
Acq: 19 Apr 2023 17:58

Tgt Ion:113 Resp: 303448
Ion Ratio Lower Upper
113 100
111 102.2 83.4 125.0
192 16.0 13.5 20.3

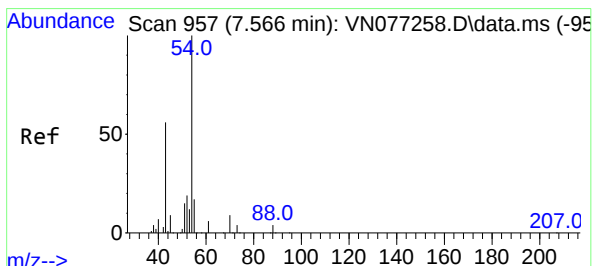
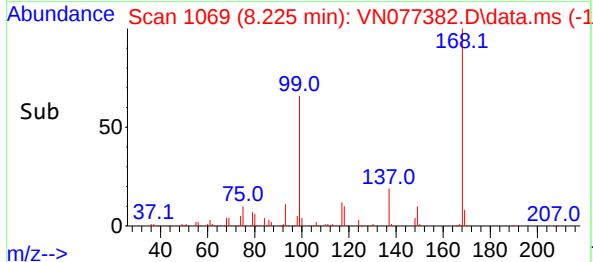
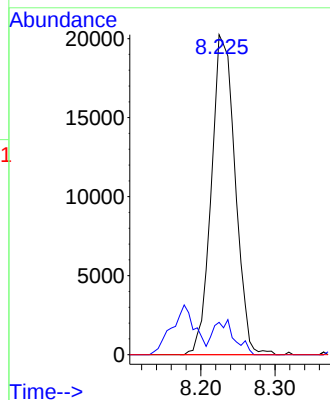
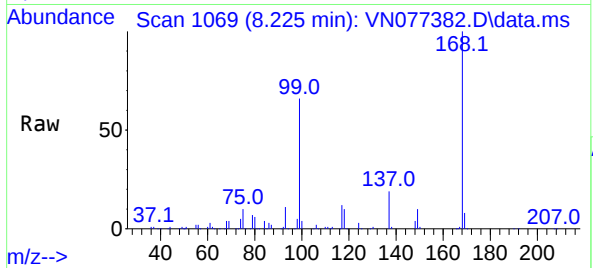




#36
1,1-Dichloropropene
Concen: 4.661 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.153 min
Lab File: VN077382.D
Acq: 19 Apr 2023 17:58

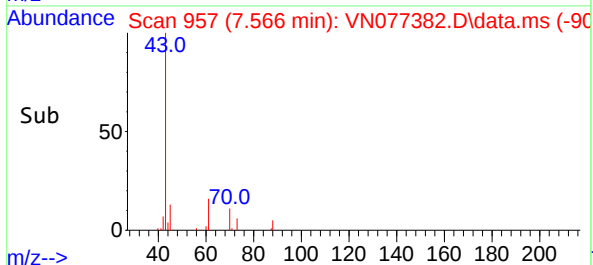
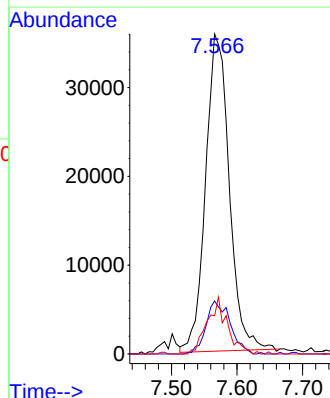
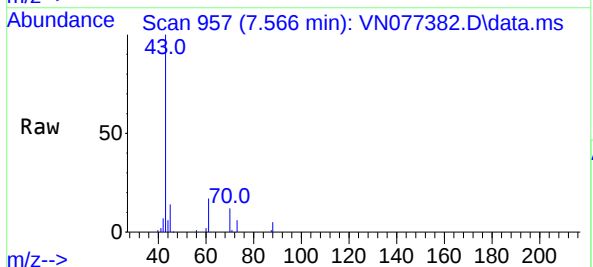
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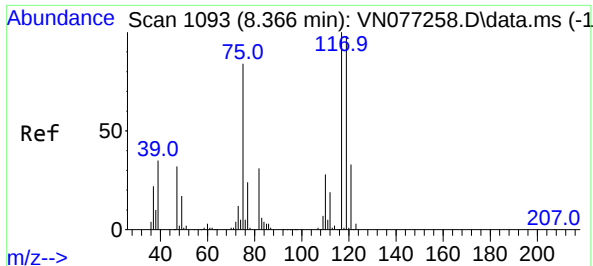
Tgt Ion: 75 Resp: 45150
Ion Ratio Lower Upper
75 100
110 9.8 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 10.349 ug/l
RT: 7.566 min Scan# 957
Delta R.T. -0.000 min
Lab File: VN077382.D
Acq: 19 Apr 2023 17:58

Tgt Ion: 43 Resp: 89688
Ion Ratio Lower Upper
43 100
61 17.0 12.2 18.2
70 15.3 10.0 15.0#

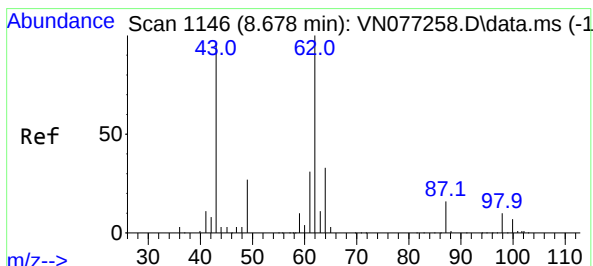
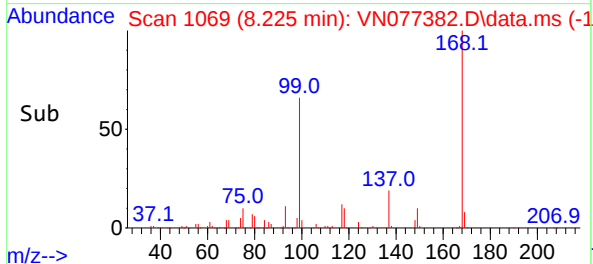
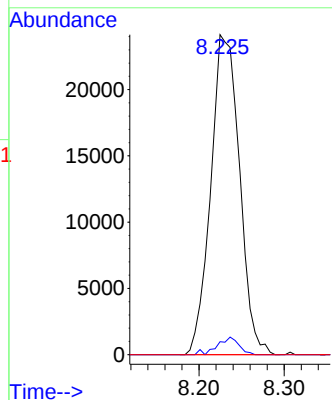
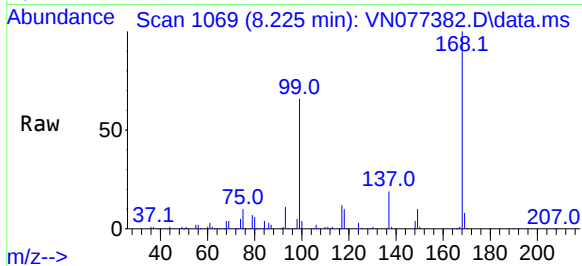




#38
Carbon Tetrachloride
Concen: 5.705 ug/l
RT: 8.225 min Scan# 1109
Delta R.T. -0.141 min
Lab File: VN077382.D
Acq: 19 Apr 2023 17:58

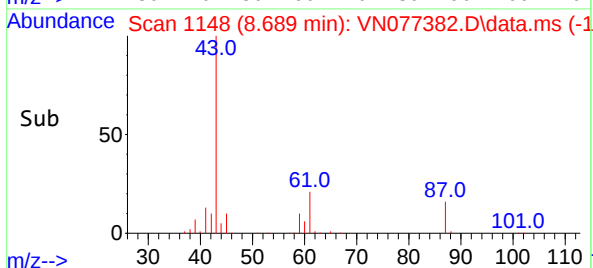
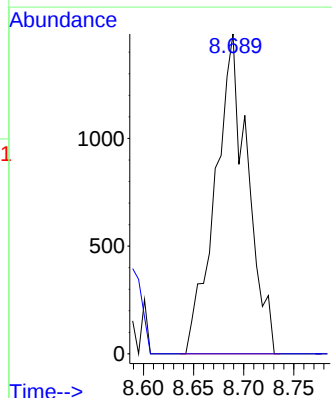
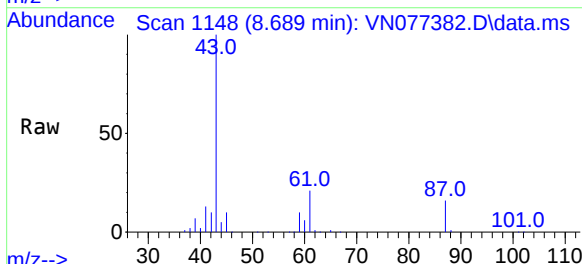
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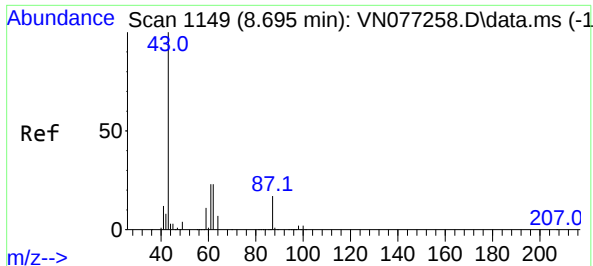
Tgt Ion:117 Resp: 56611
Ion Ratio Lower Upper
117 100
119 4.0 78.5 117.7#
121 0.0 26.6 40.0#



#42
1,2-Dichloroethane
Concen: 0.358 ug/l
RT: 8.689 min Scan# 1148
Delta R.T. 0.011 min
Lab File: VN077382.D
Acq: 19 Apr 2023 17:58

Tgt Ion: 62 Resp: 3333
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2

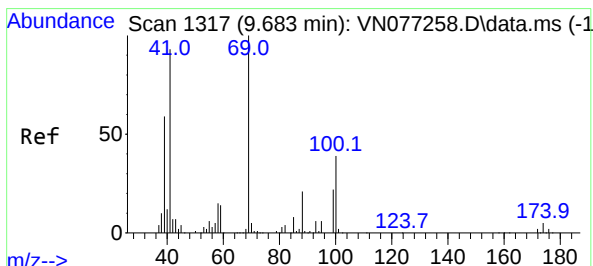
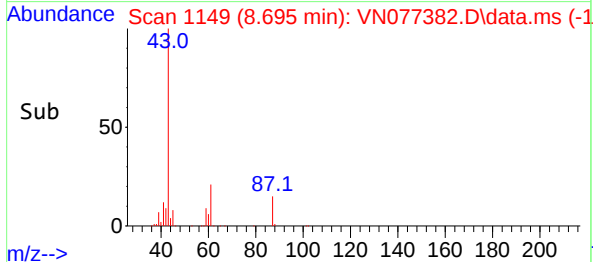
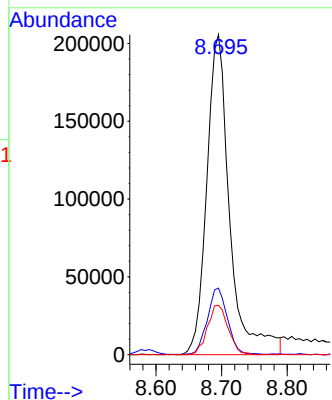
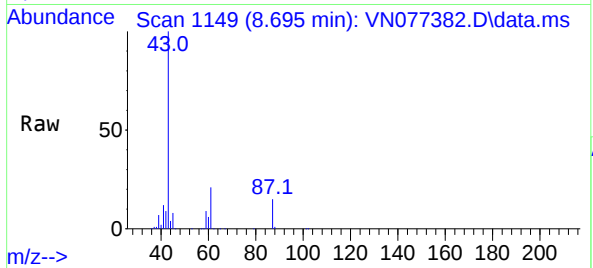




#43
Isopropyl Acetate
Concen: 31.293 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077382.D
Acq: 19 Apr 2023 17:58

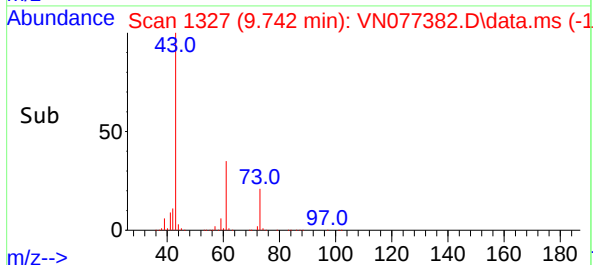
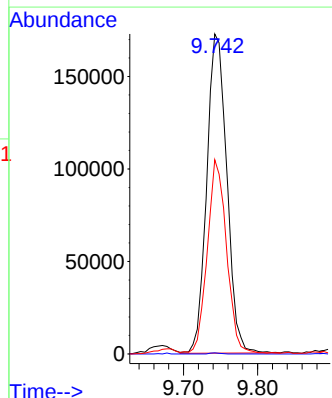
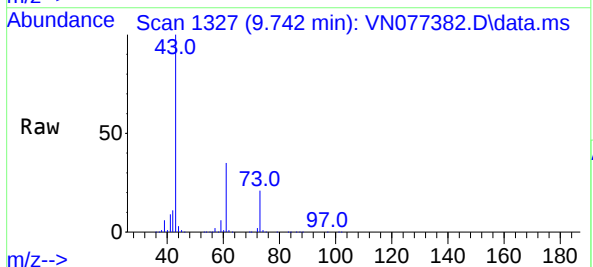
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#10

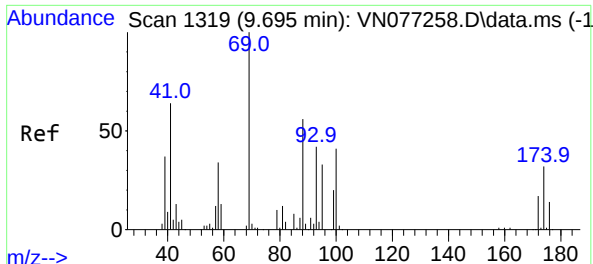
Tgt Ion: 43 Resp: 500427
Ion Ratio Lower Upper
43 100
61 18.1 22.7 34.1#
87 13.9 13.6 20.4



#48
Methyl methacrylate
Concen: 47.586 ug/l
RT: 9.742 min Scan# 1327
Delta R.T. 0.059 min
Lab File: VN077382.D
Acq: 19 Apr 2023 17:58

Tgt Ion: 41 Resp: 324625
Ion Ratio Lower Upper
41 100
69 0.2 85.0 127.6#
39 58.1 53.5 80.3

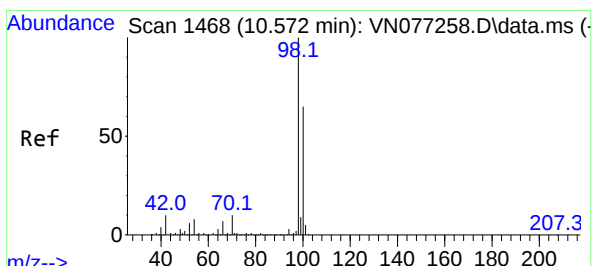
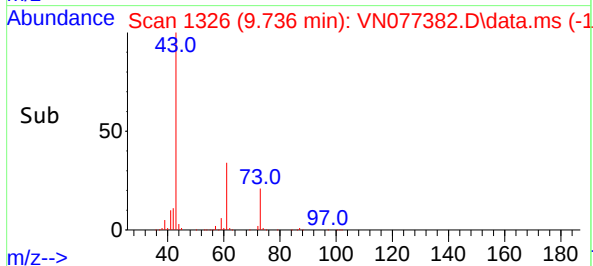
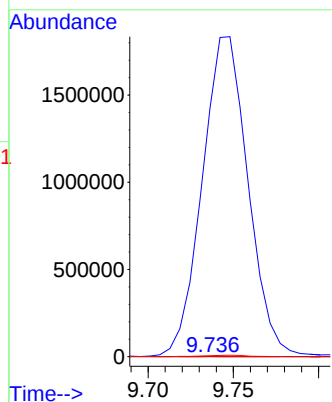
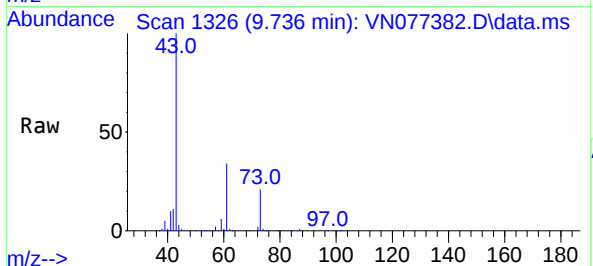




#49
1,4-Dioxane
Concen: 6.433 ug/l
RT: 9.736 min Scan# 1319
Delta R.T. 0.041 min
Lab File: VN077382.D
Acq: 19 Apr 2023 17:58

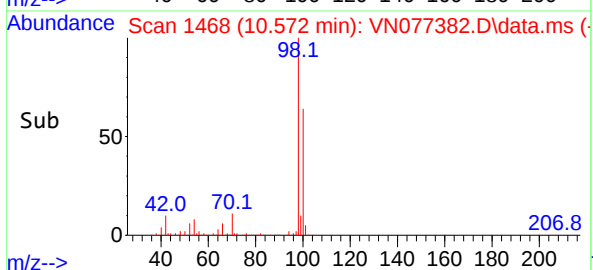
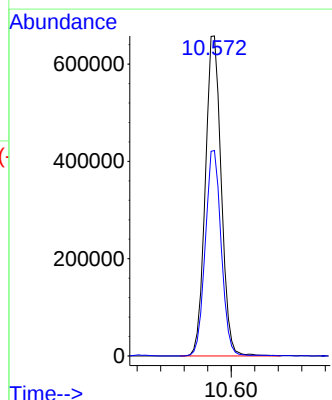
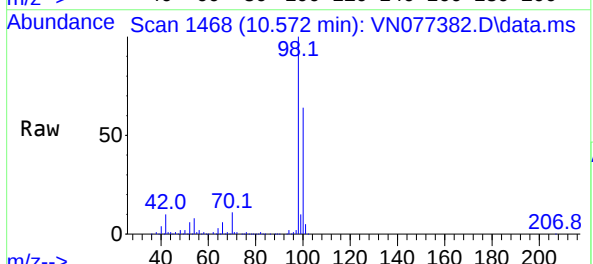
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#10

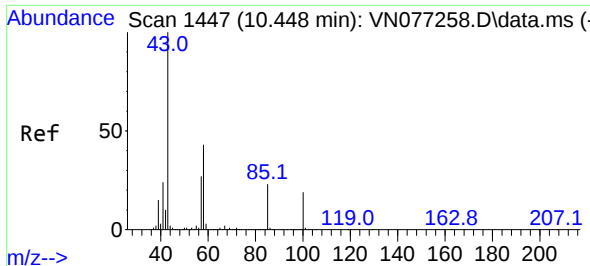
Tgt Ion: 88 Resp: 1064
Ion Ratio Lower Upper
88 100
43 324606.1 17.0 25.6#
58 1435.3 49.8 74.6#



#50
Toluene-d8
Concen: 46.857 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077382.D
Acq: 19 Apr 2023 17:58

Tgt Ion: 98 Resp: 1235382
Ion Ratio Lower Upper
98 100
100 64.1 51.3 76.9

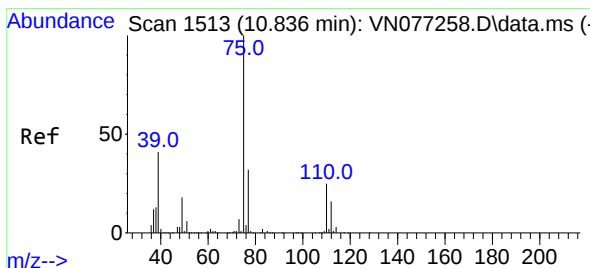
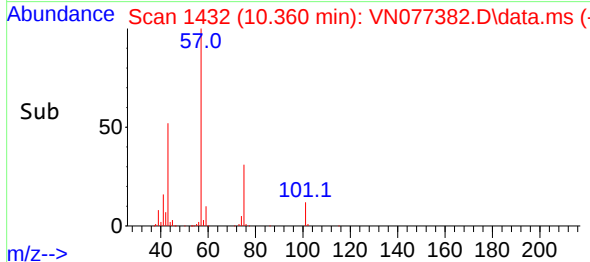
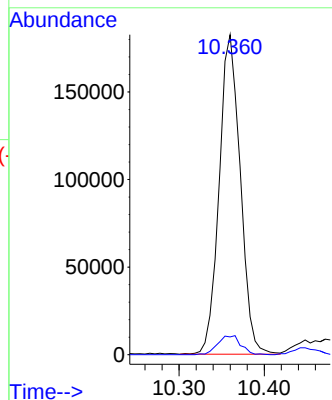
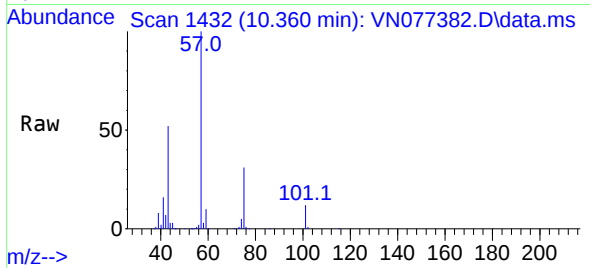




#51
4-Methyl-2-Pentanone
Concen: 33.976 ug/l
RT: 10.360 min Scan# 1447
Delta R.T. -0.088 min
Lab File: VN077382.D
Acq: 19 Apr 2023 17:58

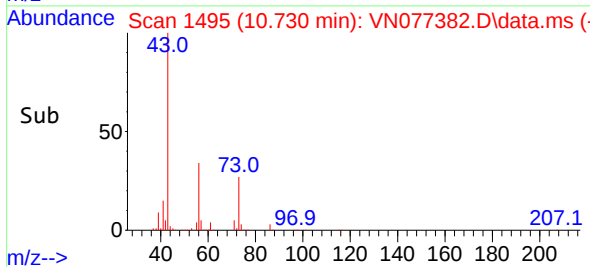
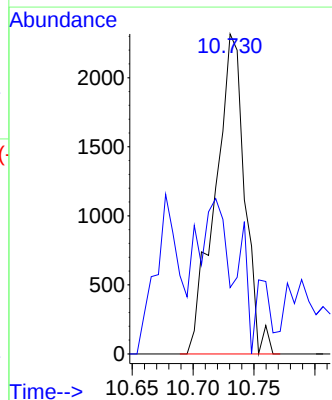
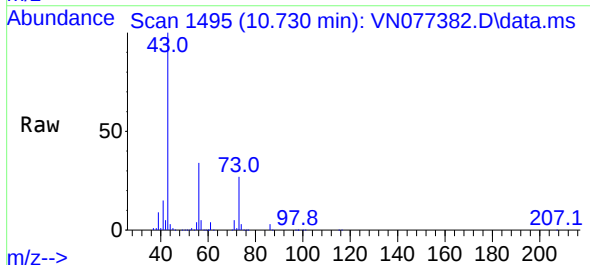
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#10

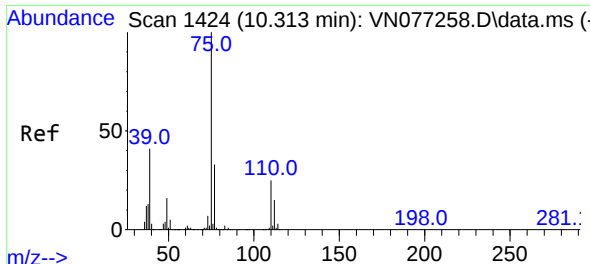
Tgt Ion: 43 Resp: 314053
Ion Ratio Lower Upper
43 100
58 6.6 34.6 52.0#



#53
t-1,3-Dichloropropene
Concen: 0.333 ug/l
RT: 10.730 min Scan# 1495
Delta R.T. -0.106 min
Lab File: VN077382.D
Acq: 19 Apr 2023 17:58

Tgt Ion: 75 Resp: 3902
Ion Ratio Lower Upper
75 100
77 13.7 25.4 38.0#

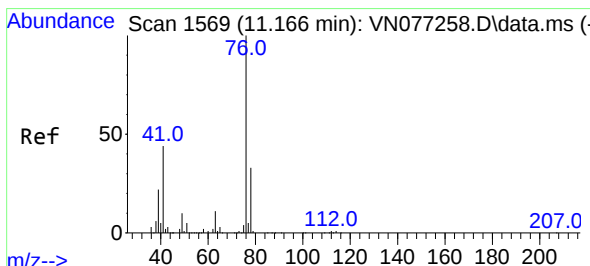
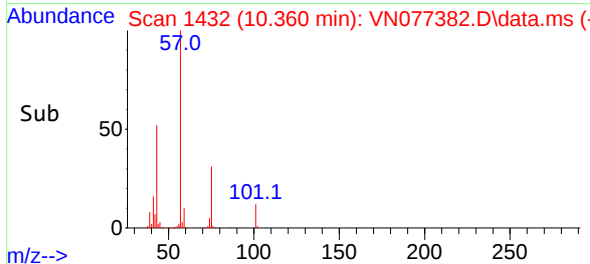
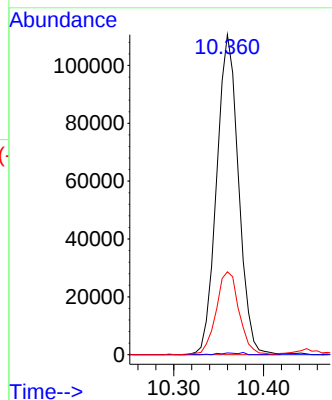
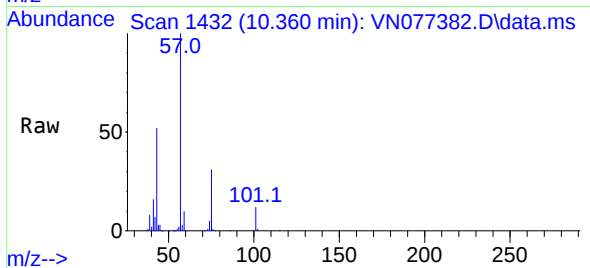




#54
cis-1,3-Dichloropropene
Concen: 14.985 ug/l
RT: 10.360 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN077382.D
Acq: 19 Apr 2023 17:58

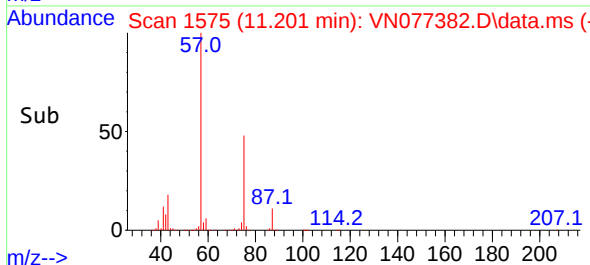
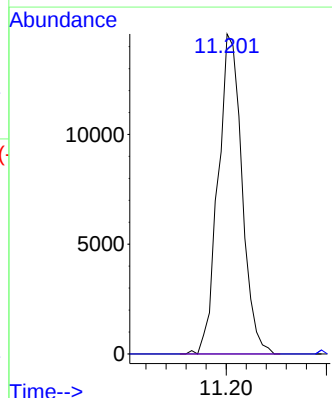
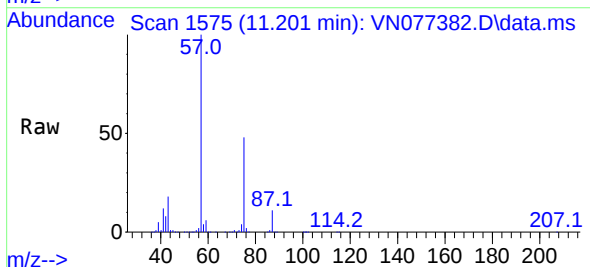
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#10

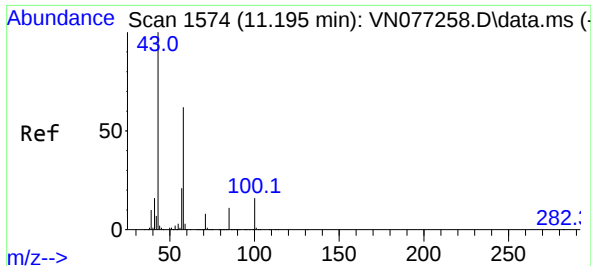
Tgt Ion: 75 Resp: 187292
Ion Ratio Lower Upper
75 100
77 0.6 26.7 40.1#
39 25.9 32.8 49.2#



#57
1,3-Dichloropropane
Concen: 1.872 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.035 min
Lab File: VN077382.D
Acq: 19 Apr 2023 17:58

Tgt Ion: 76 Resp: 24007
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.4#

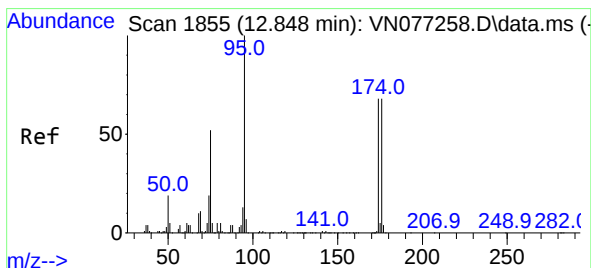
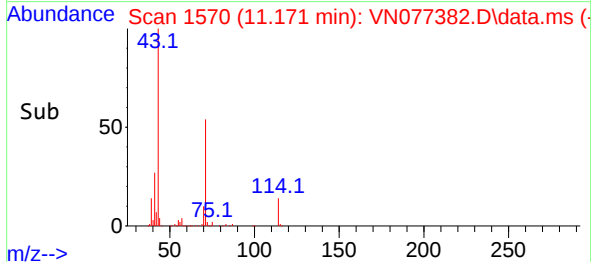
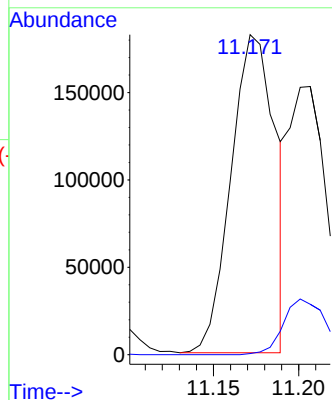
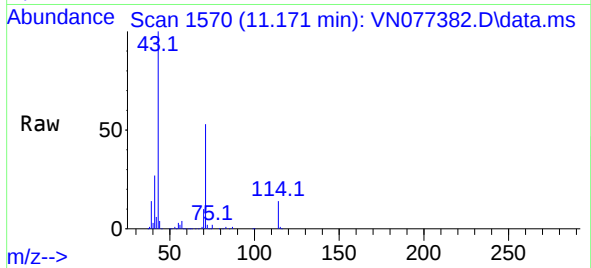




#59
2-Hexanone
Concen: 47.827 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.024 min
Lab File: VN077382.D
Acq: 19 Apr 2023 17:58

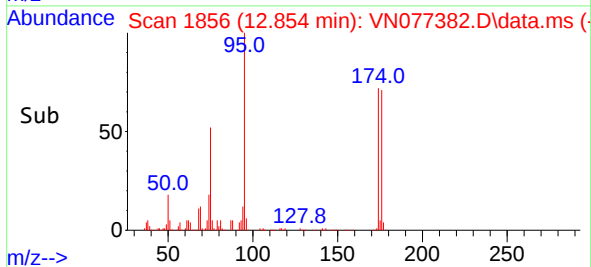
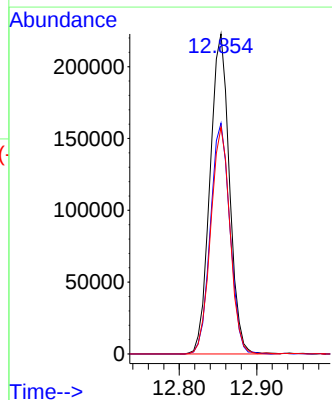
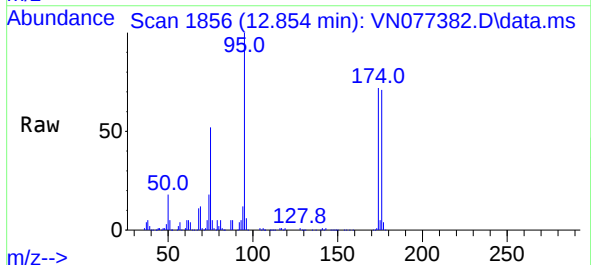
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#10

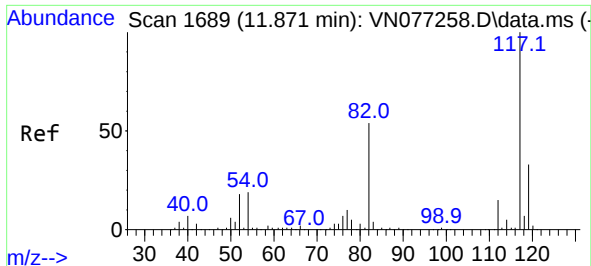
Tgt Ion: 43 Resp: 329355
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.5#



#62
4-Bromofluorobenzene
Concen: 44.162 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077382.D
Acq: 19 Apr 2023 17:58

Tgt Ion: 95 Resp: 387242
Ion Ratio Lower Upper
95 100
174 72.3 0.0 146.8
176 70.3 0.0 139.6

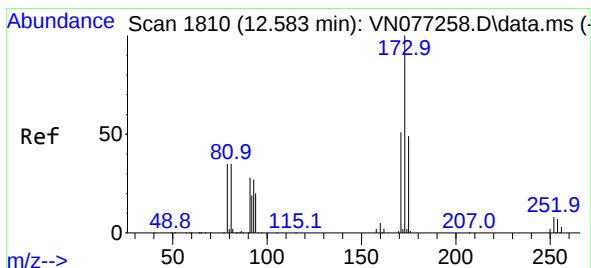
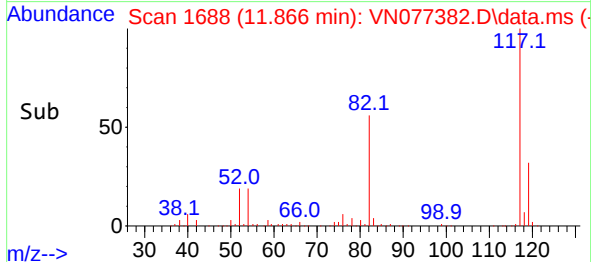
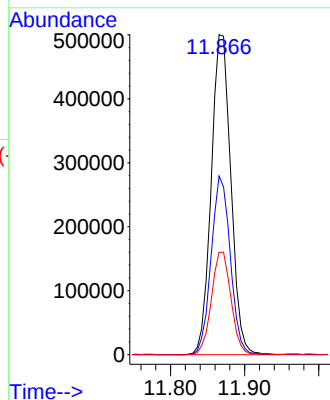
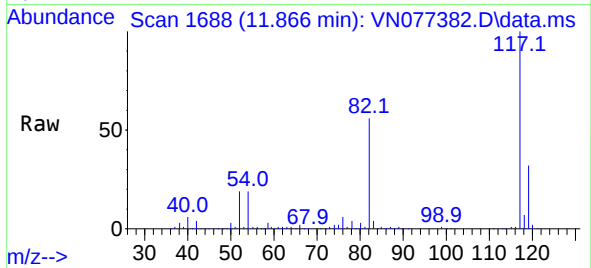




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.005 min
Lab File: VN077382.D
Acq: 19 Apr 2023 17:58

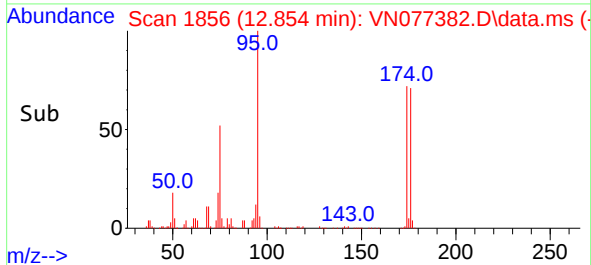
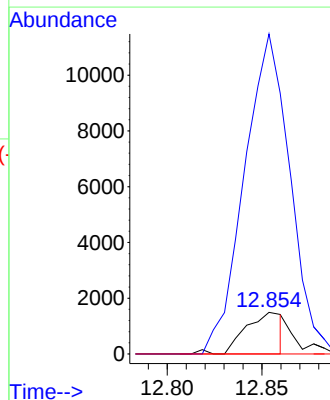
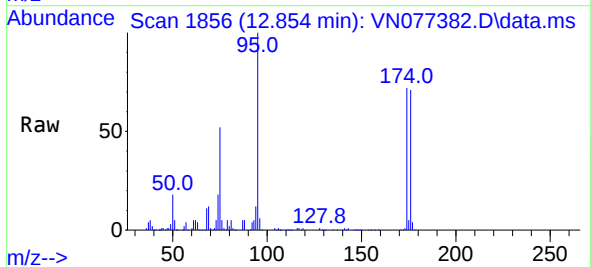
Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#10

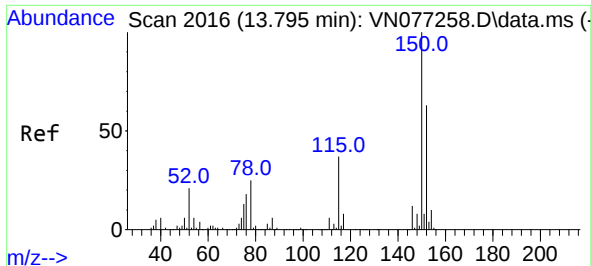
Tgt Ion:117 Resp: 920621
Ion Ratio Lower Upper
117 100
82 55.9 42.9 64.3
119 32.0 26.2 39.4



#71
Bromoform
Concen: 0.381 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.271 min
Lab File: VN077382.D
Acq: 19 Apr 2023 17:58

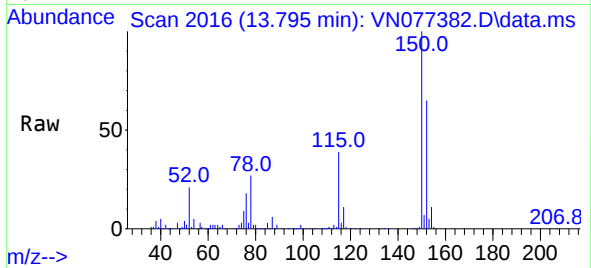
Tgt Ion:173 Resp: 2056
Ion Ratio Lower Upper
173 100
175 758.1 24.1 72.4#
254 0.0 0.1 0.1#



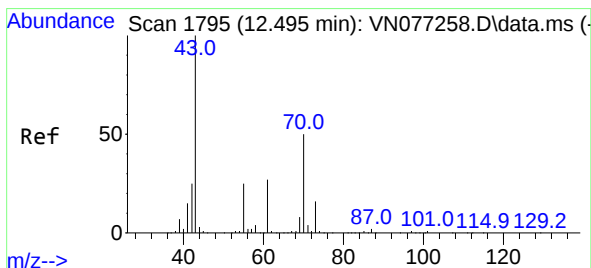
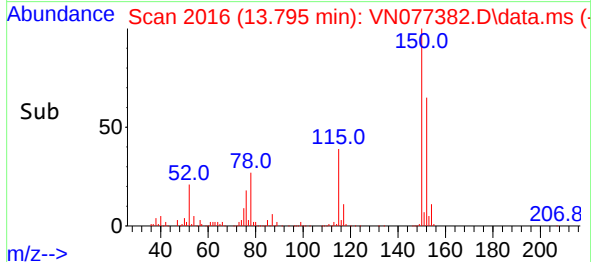
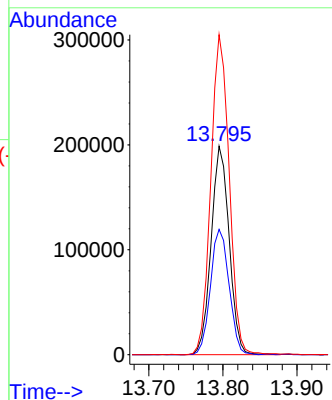


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077382.D
Acq: 19 Apr 2023 17:58

Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#10

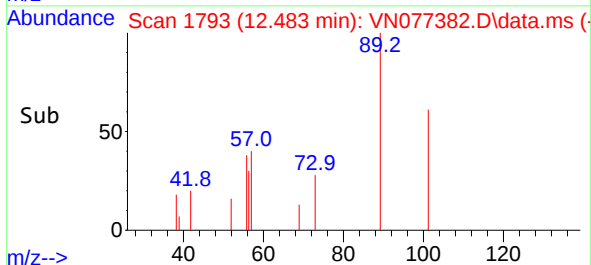
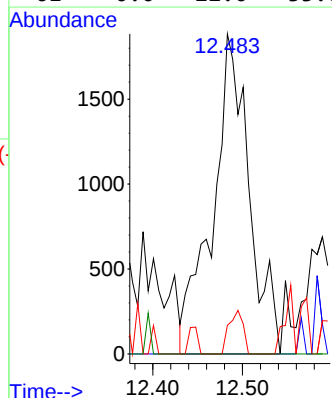
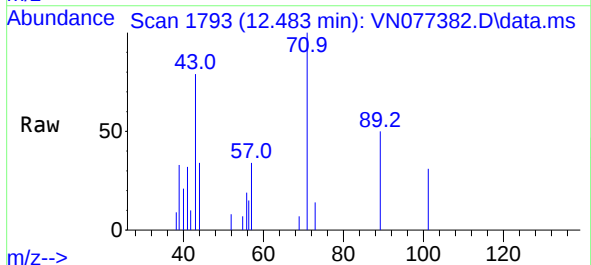


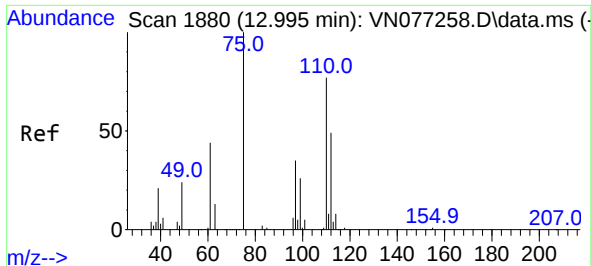
Tgt Ion:152 Resp: 336009
Ion Ratio Lower Upper
152 100
115 61.9 32.1 96.3
150 156.6 0.0 354.8



#74
N-ethyl acetate
Concen: 0.431 ug/l
RT: 12.483 min Scan# 1793
Delta R.T. -0.012 min
Lab File: VN077382.D
Acq: 19 Apr 2023 17:58

Tgt Ion: 43 Resp: 5336
Ion Ratio Lower Upper
43 100
70 0.0 41.0 61.6#
55 5.3 19.3 28.9#
61 0.0 22.0 33.0#

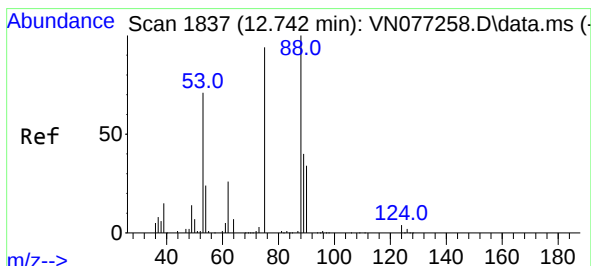
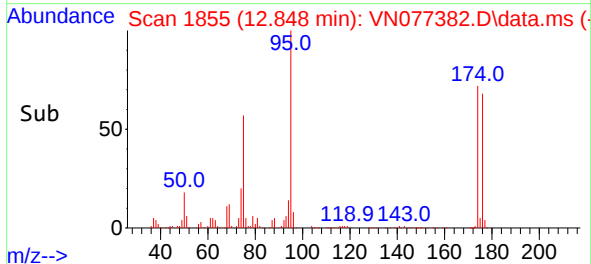
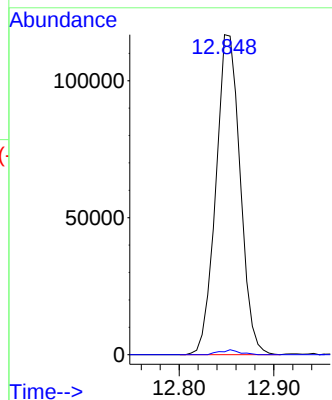
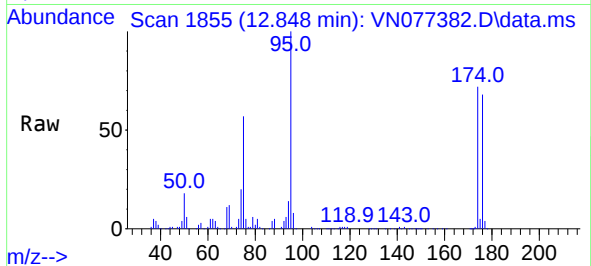




#76
1,2,3-Trichloropropane
Concen: 26.030 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.147 min
Lab File: VN077382.D
Acq: 19 Apr 2023 17:58

Instrument :
MSVOA_N
ClientSampleId :
PB152199ZHE#10

Tgt Ion: 75 Resp: 208274
Ion Ratio Lower Upper
75 100
77 1.3 88.3 264.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.576 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.106 min
Lab File: VN077382.D
Acq: 19 Apr 2023 17:58

Tgt Ion: 75 Resp: 208274
Ion Ratio Lower Upper
75 100
53 0.0 72.8 109.2#
89 0.0 37.4 56.2#

