

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122922\
 Data File : VN076040.D
 Acq On : 29 Dec 2022 11:32
 Operator : JC\MD
 Sample : VN1229WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1229WBL01

Quant Time: Dec 30 05:30:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

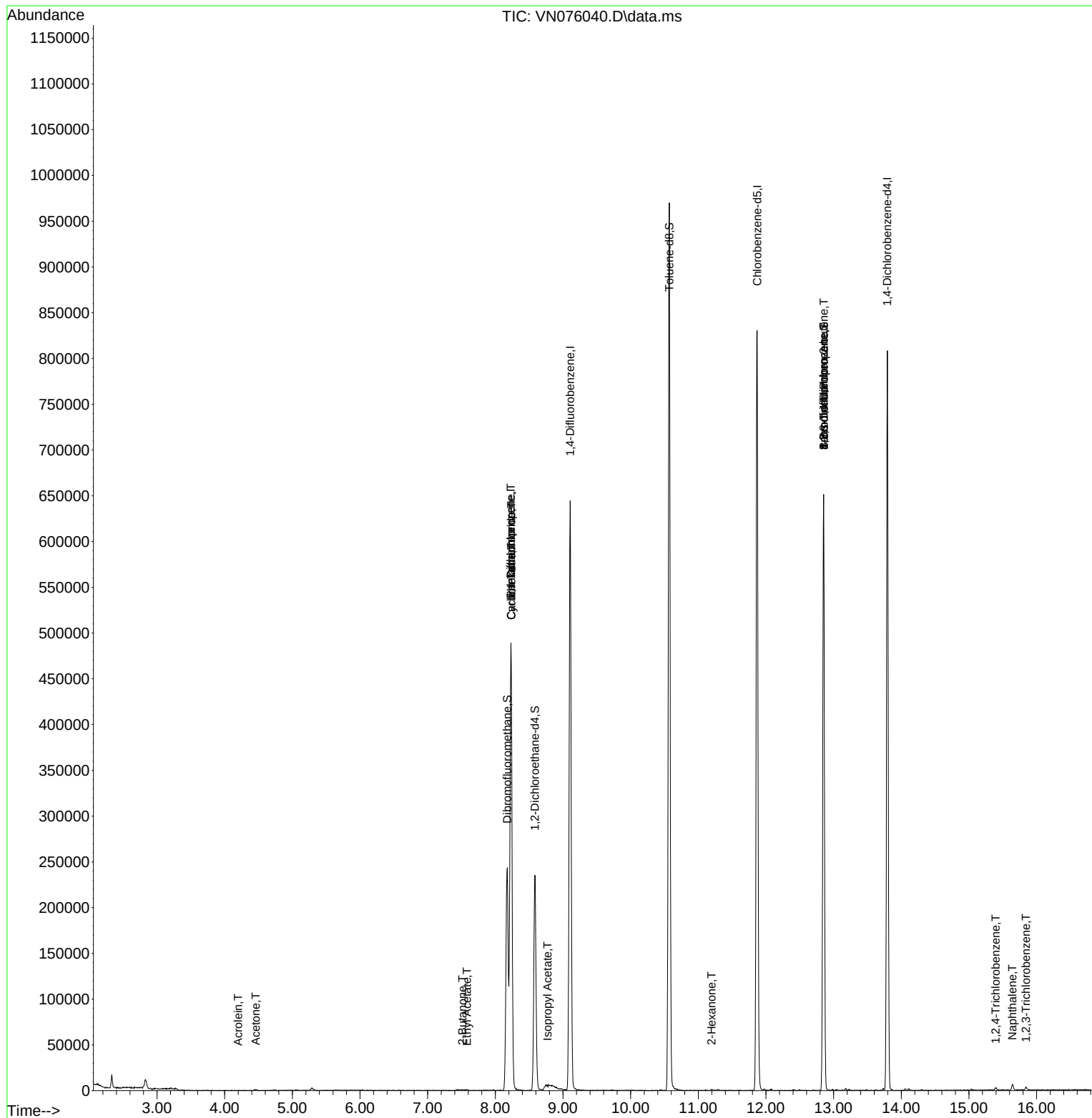
Internal Standards						
1) Pentafluorobenzene	8.229	168	383135	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	603284	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	528665	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	227820	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	190581	45.723	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.440%		
35) Dibromofluoromethane	8.177	113	177003	47.377	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.760%		
50) Toluene-d8	10.570	98	685330	49.062	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.120%		
62) 4-Bromofluorobenzene	12.853	95	219758	47.499	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.000%		
Target Compounds						
					Qvalue	
13) Acrolein	4.200	56	168	0.232	ug/l #	16
16) Acetone	4.459	43	1986	1.382	ug/l #	39
20) Methylene Chloride	5.288	84	2102	Below Cal	#	79
25) 2-Butanone	7.512	43	1482	0.737	ug/l #	40
31) Cyclohexane	8.235	56	6626	1.110	ug/l #	12
36) 1,1-Dichloropropene	8.229	75	25613	5.161	ug/l #	49
37) Ethyl Acetate	7.582	43	1934	0.485	ug/l #	65
38) Carbon Tetrachloride	8.235	117	35111	6.321	ug/l #	17
43) Isopropyl Acetate	8.771	43	5906	0.898	ug/l #	50
59) 2-Hexanone	11.194	43	1017	0.351	ug/l	71
71) Bromoform	12.853	173	1917	0.655	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	110420	24.045	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	110420	86.549	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.394	180	1185	0.316	ug/l	73
95) Naphthalene	15.641	128	6526	2.681	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	1660	0.473	ug/l	86

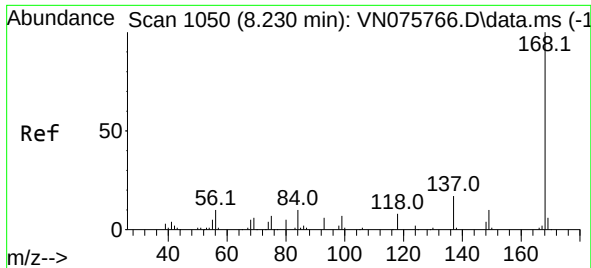
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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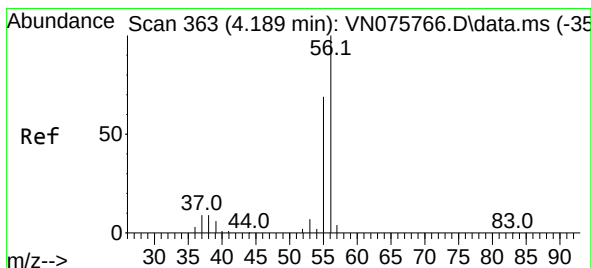
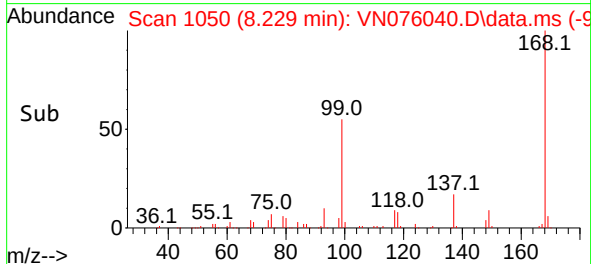
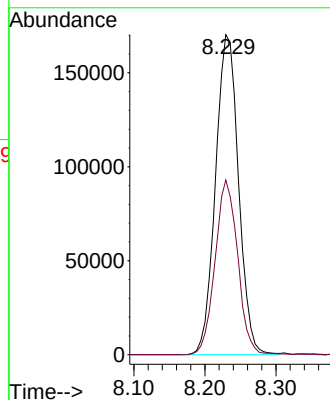
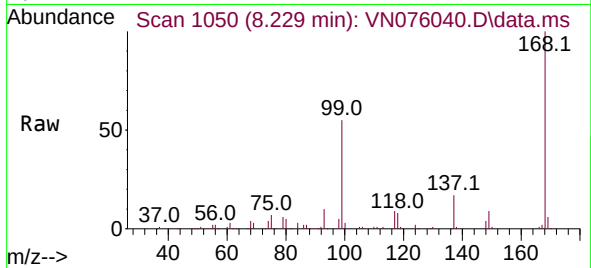




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.001 min
Lab File: VN076040.D
Acq: 29 Dec 2022 11:32

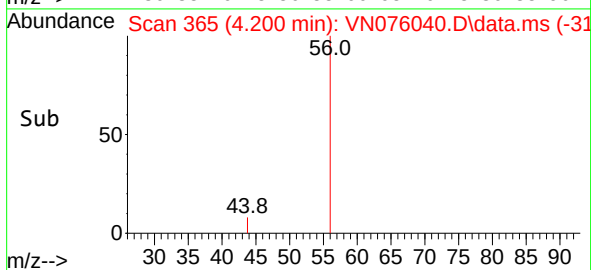
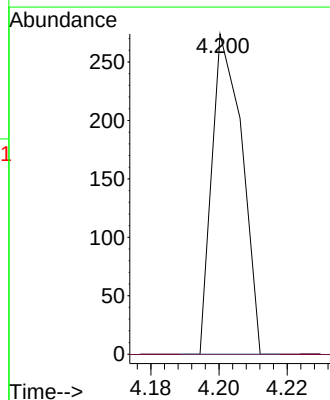
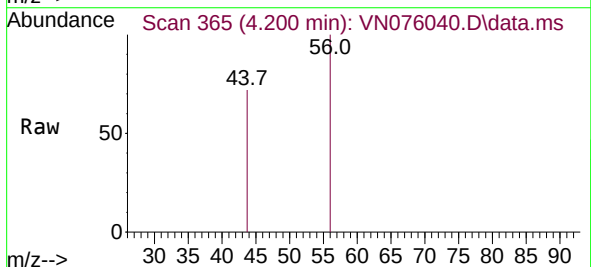
Instrument :
MSVOA_N
ClientSampleId :
VN1229WBL01

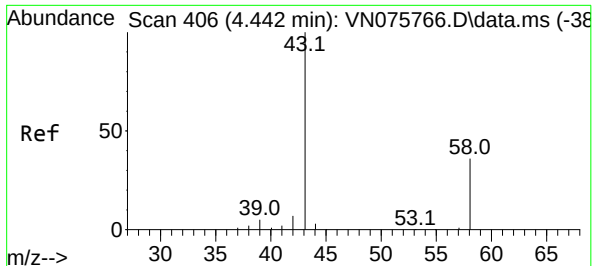
Tgt Ion:168 Resp: 383135
Ion Ratio Lower Upper
168 100
99 54.6 44.2 66.4



#13
Acrolein
Concen: 0.232 ug/l
RT: 4.200 min Scan# 365
Delta R.T. 0.012 min
Lab File: VN076040.D
Acq: 29 Dec 2022 11:32

Tgt Ion: 56 Resp: 168
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#

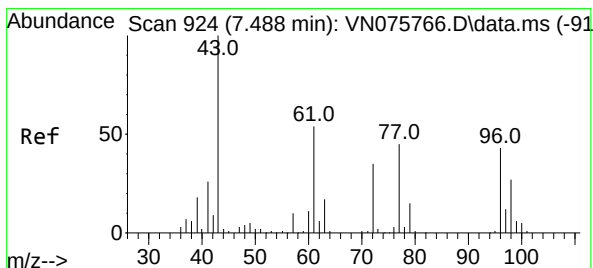
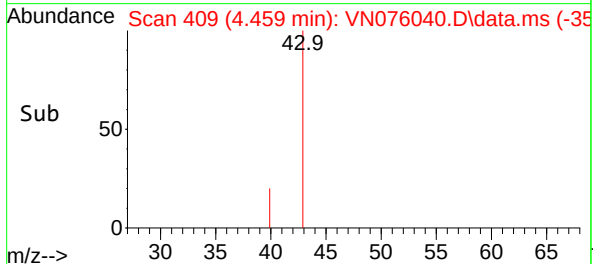
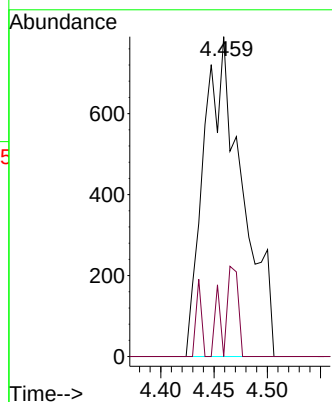
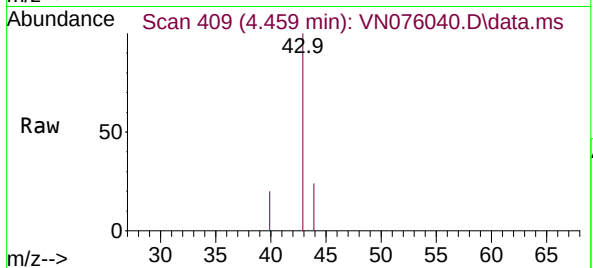




#16
Acetone
Concen: 1.382 ug/l
RT: 4.459 min Scan# 406
Delta R.T. 0.017 min
Lab File: VN076040.D
Acq: 29 Dec 2022 11:32

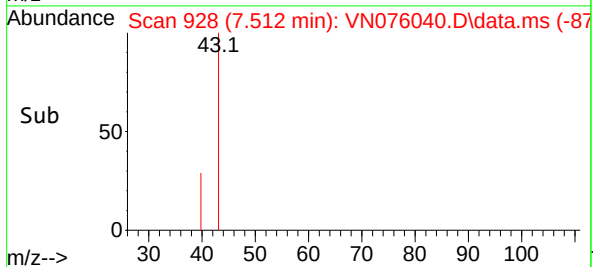
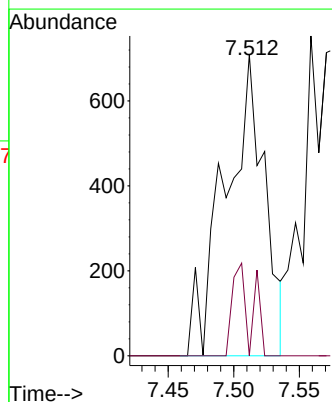
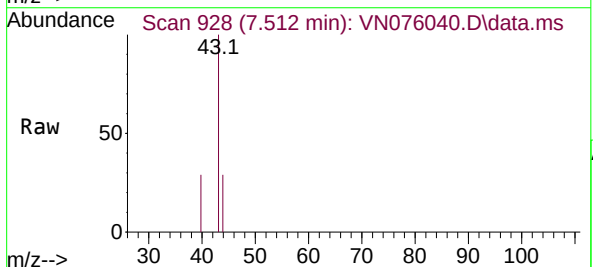
Instrument :
MSVOA_N
ClientSampleId :
VN1229WBL01

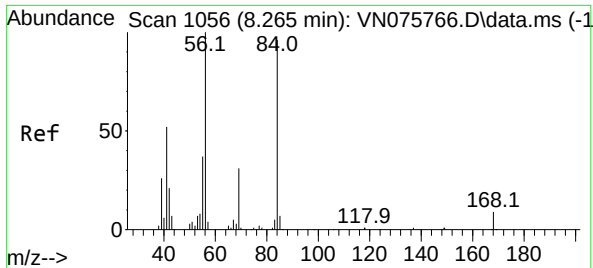
Tgt Ion: 43 Resp: 1986
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#



#25
2-Butanone
Concen: 0.737 ug/l
RT: 7.512 min Scan# 928
Delta R.T. 0.023 min
Lab File: VN076040.D
Acq: 29 Dec 2022 11:32

Tgt Ion: 43 Resp: 1482
Ion Ratio Lower Upper
43 100
72 0.0 28.0 42.0#

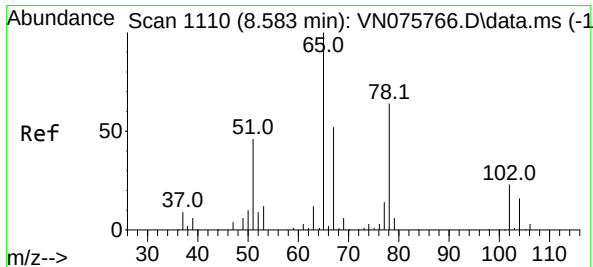
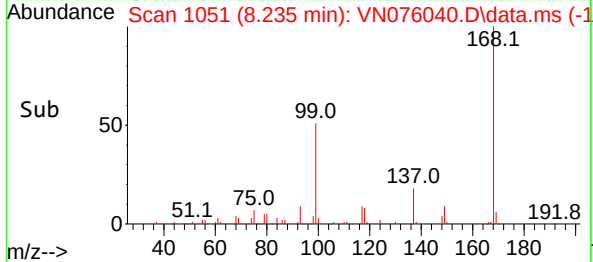
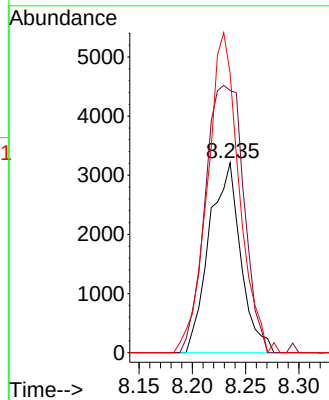
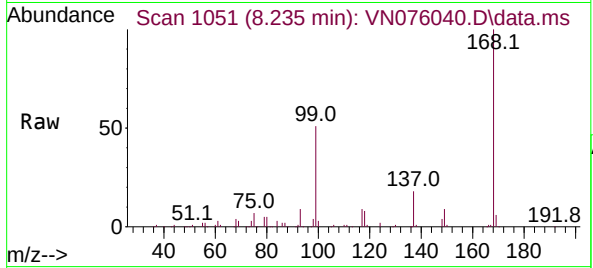




#31
Cyclohexane
Concen: 1.110 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.030 min
Lab File: VN076040.D
Acq: 29 Dec 2022 11:32

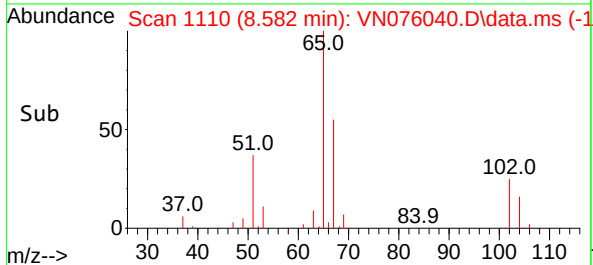
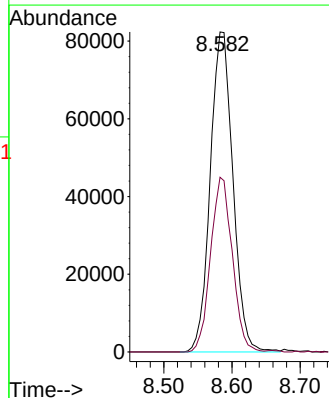
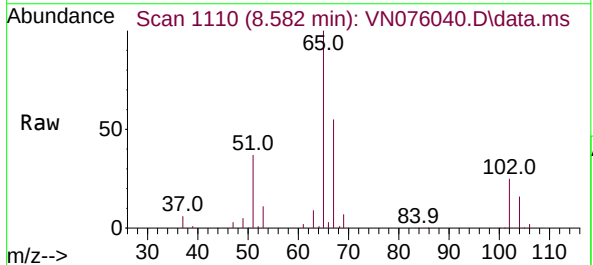
Instrument :
MSVOA_N
ClientSampleId :
VN1229WBL01

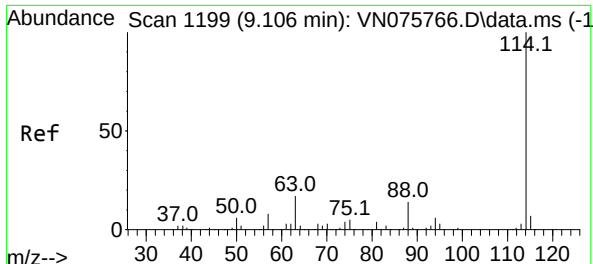
Tgt Ion: 56 Resp: 6626
Ion Ratio Lower Upper
56 100
69 138.0 24.7 37.1#
84 147.1 76.5 114.7#



#33
1,2-Dichloroethane-d4
Concen: 45.723 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN076040.D
Acq: 29 Dec 2022 11:32

Tgt Ion: 65 Resp: 190581
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076040.D

Acq: 29 Dec 2022 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN1229WBL01

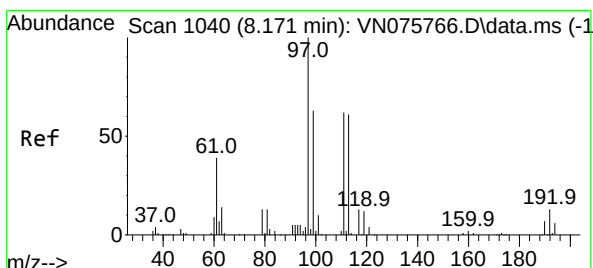
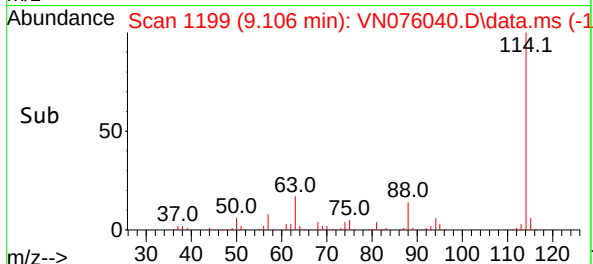
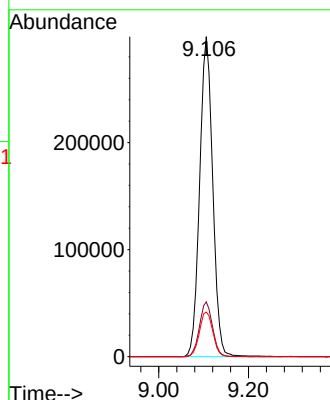
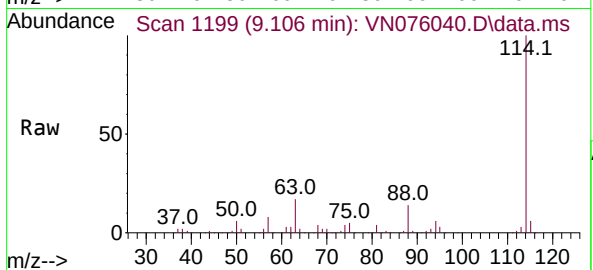
Tgt Ion:114 Resp: 603284

Ion Ratio Lower Upper

114 100

63 17.2 0.0 34.4

88 13.9 0.0 28.8



#35

Dibromofluoromethane

Concen: 47.377 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN076040.D

Acq: 29 Dec 2022 11:32

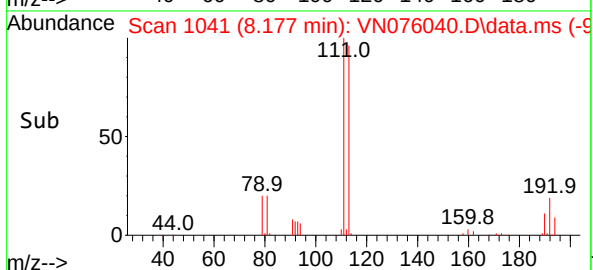
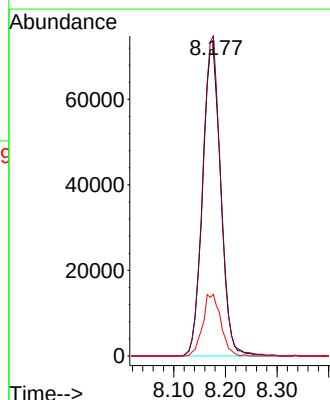
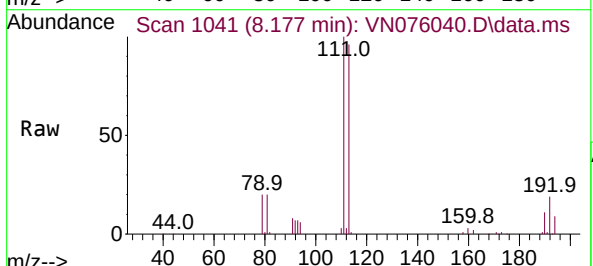
Tgt Ion:113 Resp: 177003

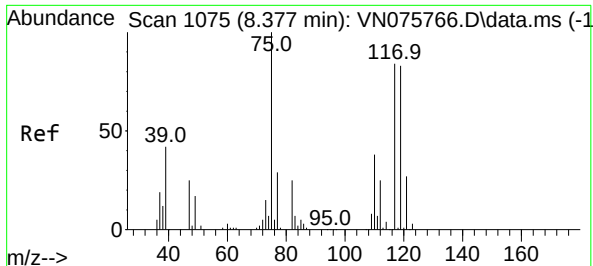
Ion Ratio Lower Upper

113 100

111 102.1 83.4 125.2

192 19.8 16.1 24.1





#36

1,1-Dichloropropene

Concen: 5.161 ug/l

RT: 8.229 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN076040.D

Acq: 29 Dec 2022 11:32

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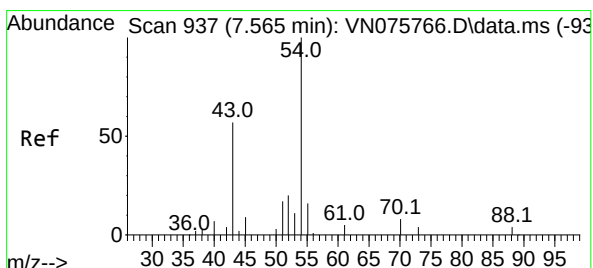
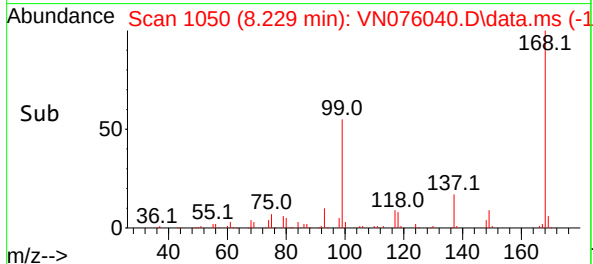
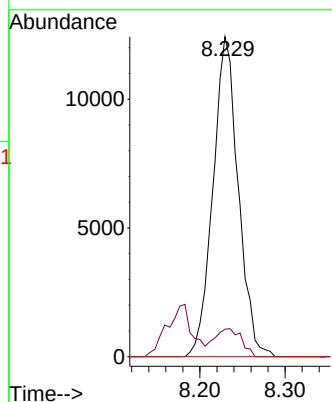
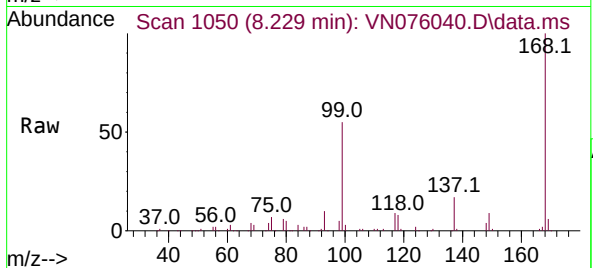
Tgt Ion: 75 Resp: 25613

Ion Ratio Lower Upper

75 100

110 9.4 18.8 56.4#

77 0.0 24.1 36.1#



#37

Ethyl Acetate

Concen: 0.485 ug/l

RT: 7.582 min Scan# 940

Delta R.T. 0.018 min

Lab File: VN076040.D

Acq: 29 Dec 2022 11:32

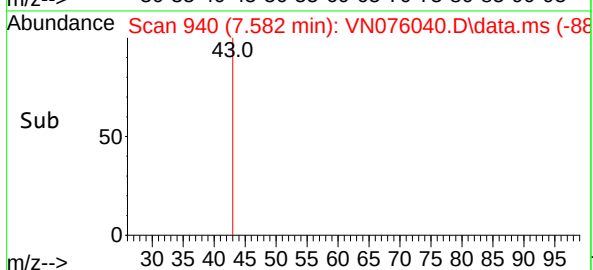
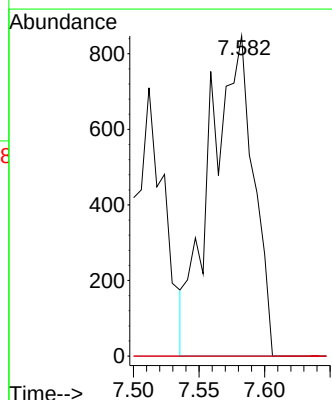
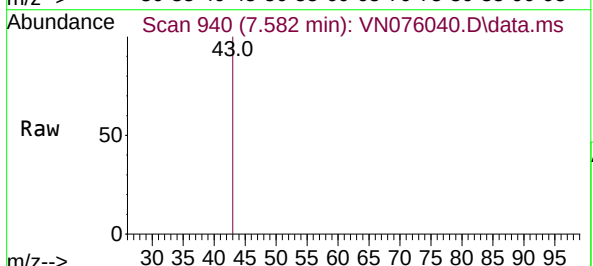
Tgt Ion: 43 Resp: 1934

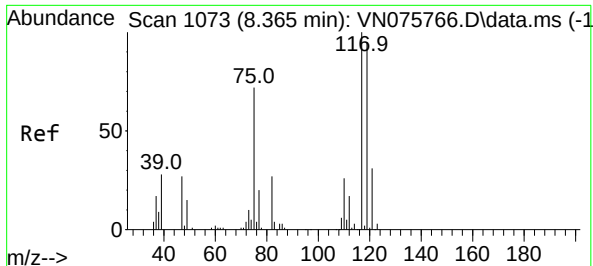
Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.4#

70 0.0 9.4 14.0#

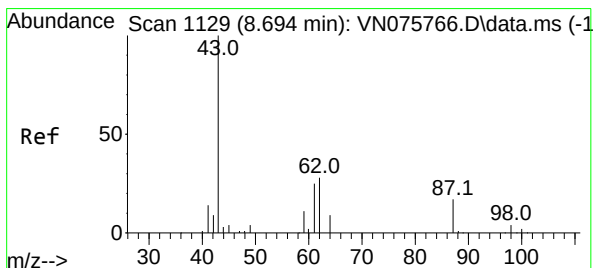
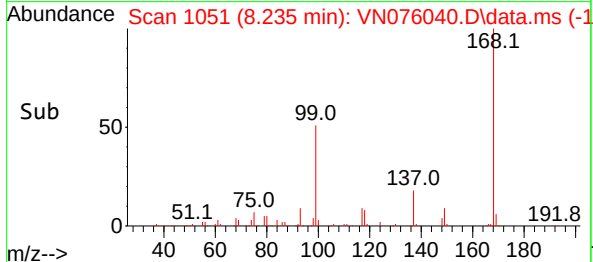
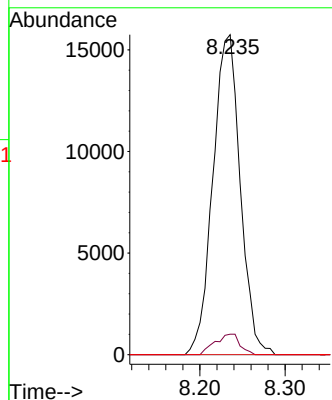
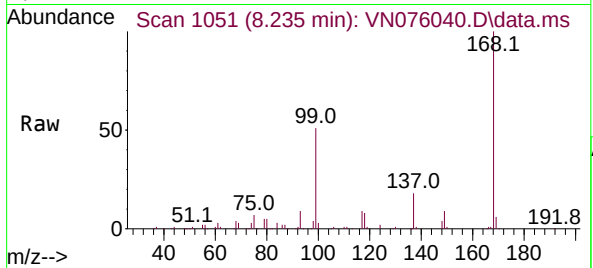




#38
Carbon Tetrachloride
Concen: 6.321 ug/l
RT: 8.235 min Scan# 110
Delta R.T. -0.130 min
Lab File: VN076040.D
Acq: 29 Dec 2022 11:32

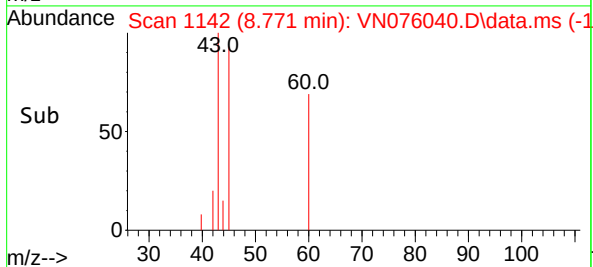
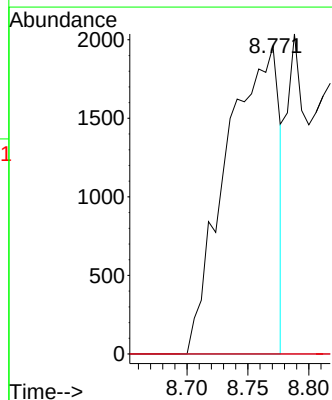
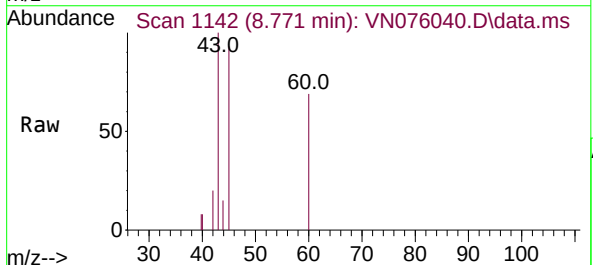
Instrument :
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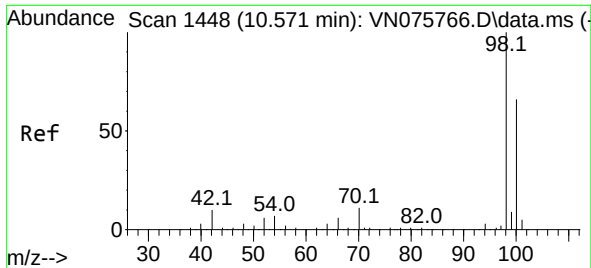
Tgt Ion:117 Resp: 35111
Ion Ratio Lower Upper
117 100
119 6.4 76.1 114.1#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 0.898 ug/l
RT: 8.771 min Scan# 1142
Delta R.T. 0.076 min
Lab File: VN076040.D
Acq: 29 Dec 2022 11:32

Tgt Ion: 43 Resp: 5906
Ion Ratio Lower Upper
43 100
61 0.0 24.2 36.4#
87 0.0 13.3 19.9#

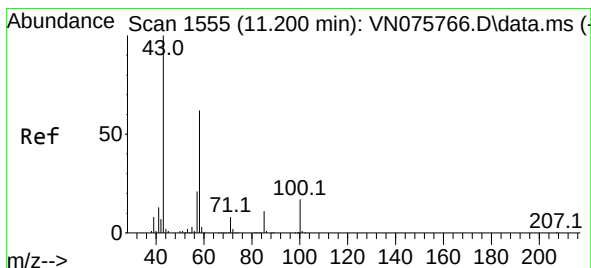
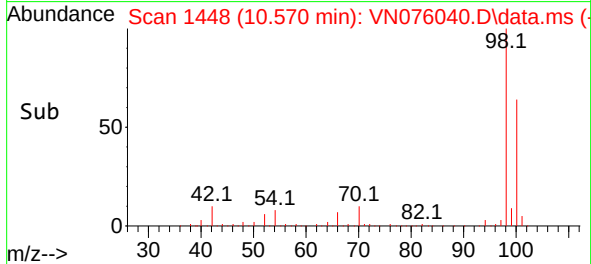
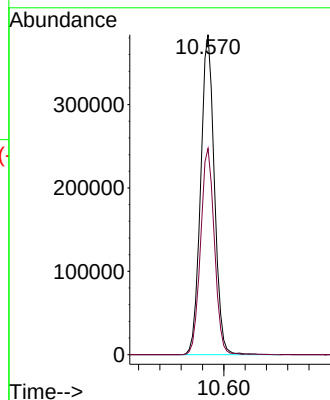
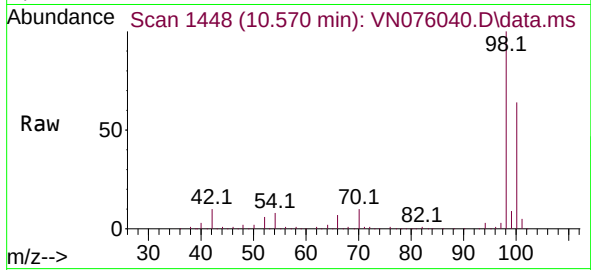




#50
Toluene-d8
Concen: 49.062 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076040.D
Acq: 29 Dec 2022 11:32

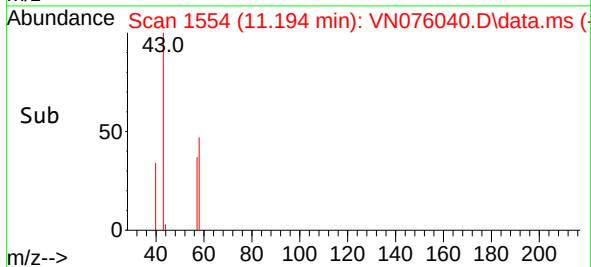
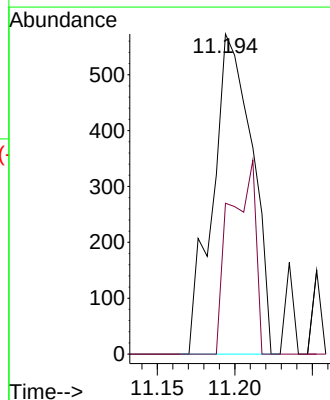
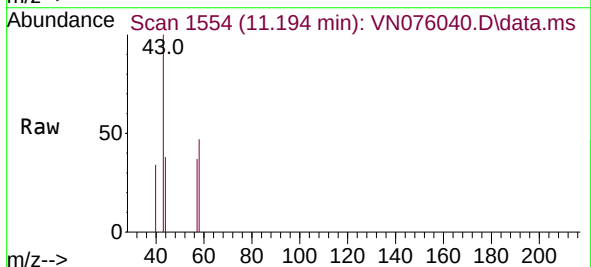
Instrument :
MSVOA_N
ClientSampleId :
VN1229WBL01

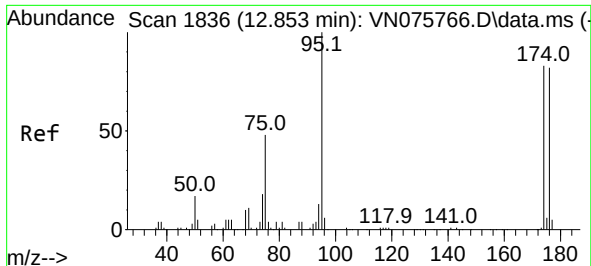
Tgt Ion: 98 Resp: 685330
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1



#59
2-Hexanone
Concen: 0.351 ug/l
RT: 11.194 min Scan# 1554
Delta R.T. -0.006 min
Lab File: VN076040.D
Acq: 29 Dec 2022 11:32

Tgt Ion: 43 Resp: 1017
Ion Ratio Lower Upper
43 100
58 39.3 30.6 92.0

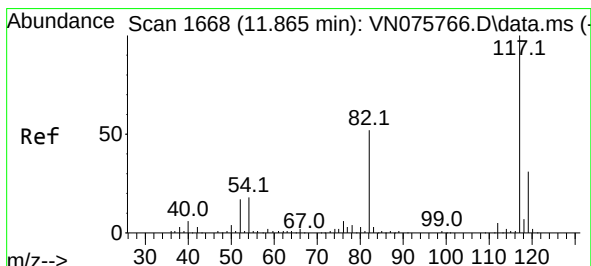
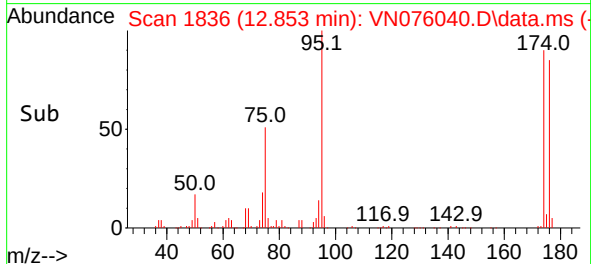
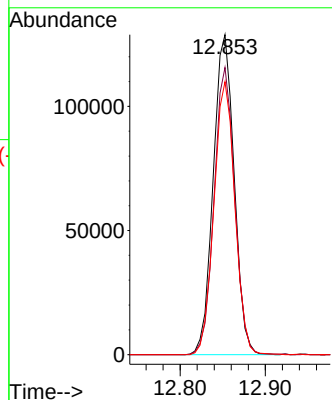
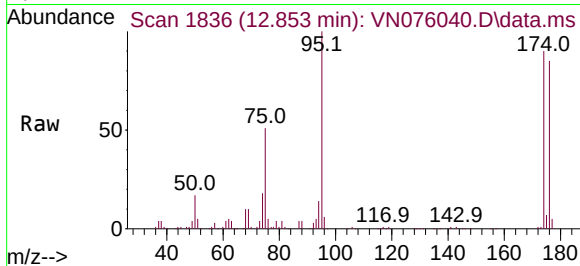




#62
4-Bromofluorobenzene
Concen: 47.499 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076040.D
Acq: 29 Dec 2022 11:32

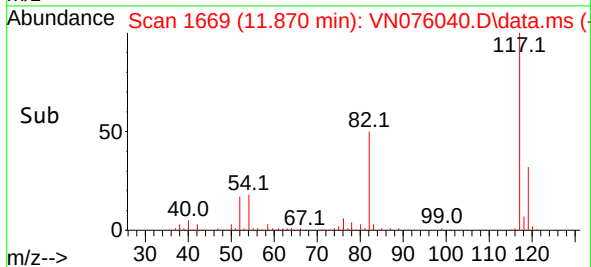
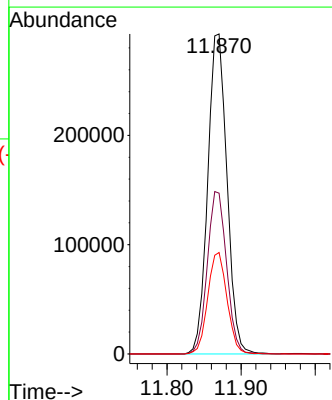
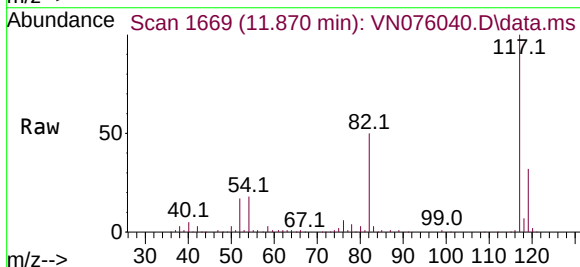
Instrument :
MSVOA_N
ClientSampleId :
VN1229WBL01

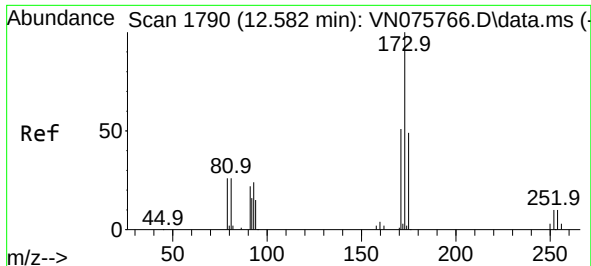
Tgt Ion: 95 Resp: 219758
Ion Ratio Lower Upper
95 100
174 88.4 0.0 171.6
176 85.4 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076040.D
Acq: 29 Dec 2022 11:32

Tgt Ion: 117 Resp: 528665
Ion Ratio Lower Upper
117 100
82 50.3 41.3 61.9
119 31.7 24.6 37.0

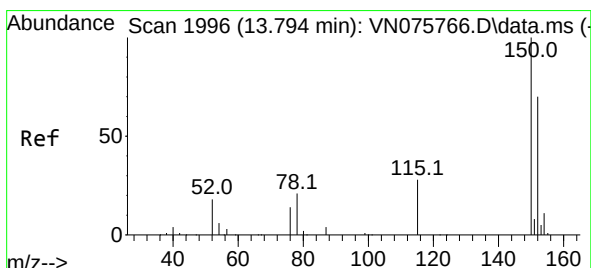
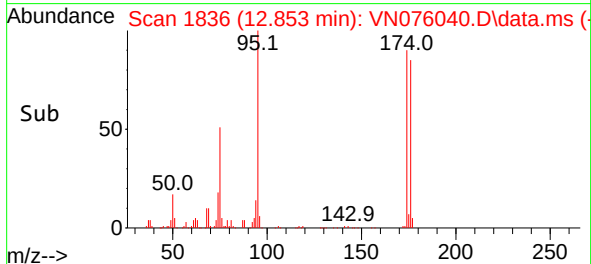
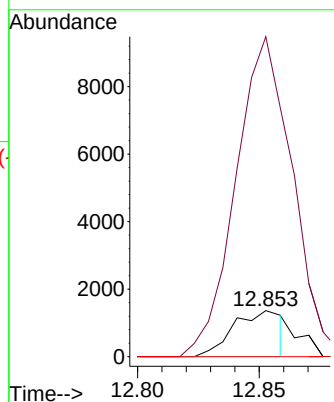
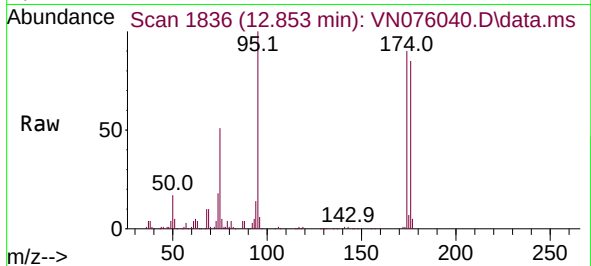




#71
Bromoform
Concen: 0.655 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.270 min
Lab File: VN076040.D
Acq: 29 Dec 2022 11:32

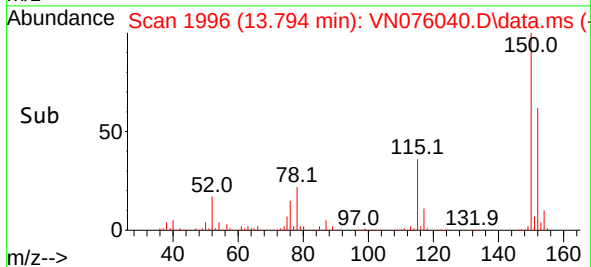
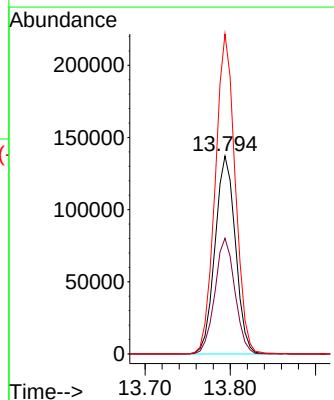
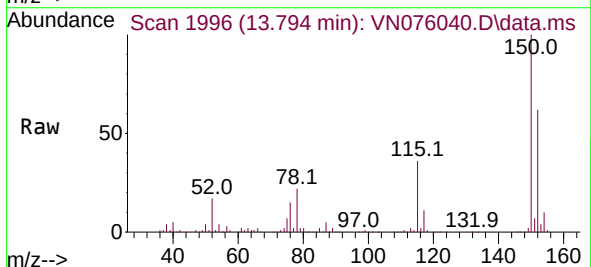
Instrument :
MSVOA_N
ClientSampleId :
VN1229WBL01

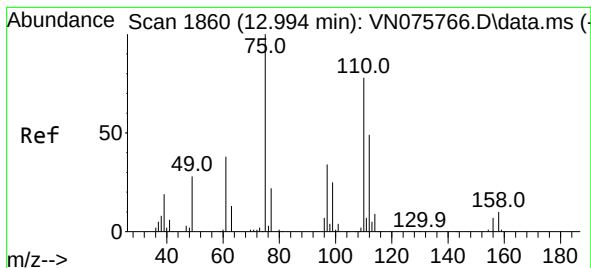
Tgt Ion:173 Resp: 1917
Ion Ratio Lower Upper
173 100
175 640.8 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076040.D
Acq: 29 Dec 2022 11:32

Tgt Ion:152 Resp: 227820
Ion Ratio Lower Upper
152 100
115 57.4 29.1 87.4
150 158.5 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 24.045 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN076040.D

Acq: 29 Dec 2022 11:32

Instrument :

MSVOA_N

ClientSampleId :

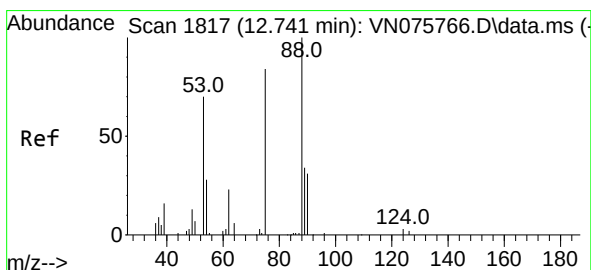
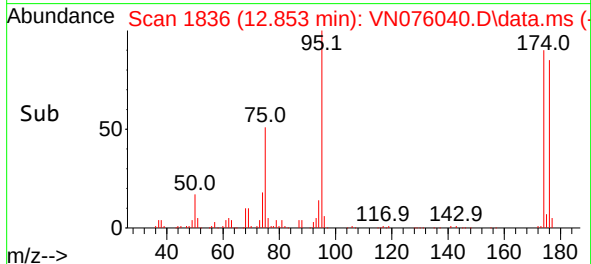
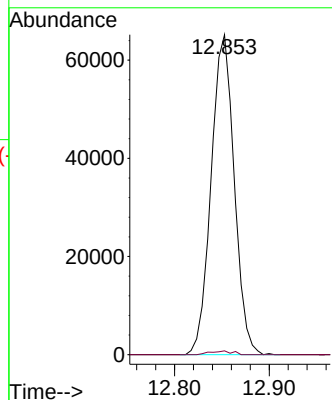
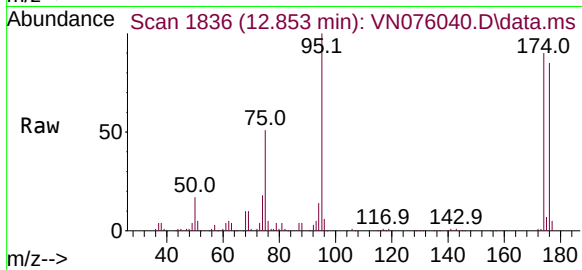
VN1229WBL01

Tgt Ion: 75 Resp: 110420

Ion Ratio Lower Upper

75 100

77 1.1 82.6 247.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 86.549 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.112 min

Lab File: VN076040.D

Acq: 29 Dec 2022 11:32

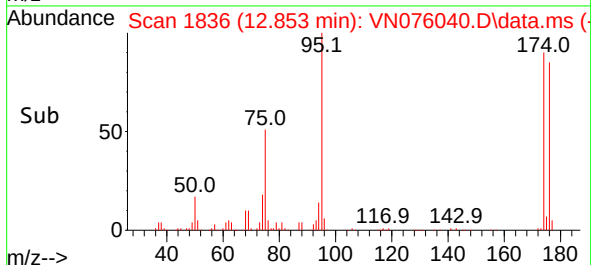
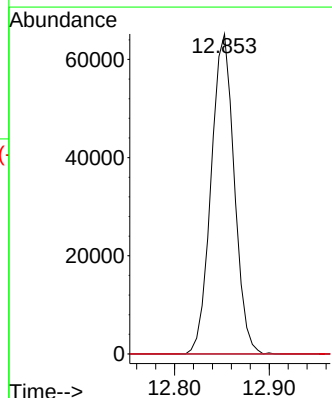
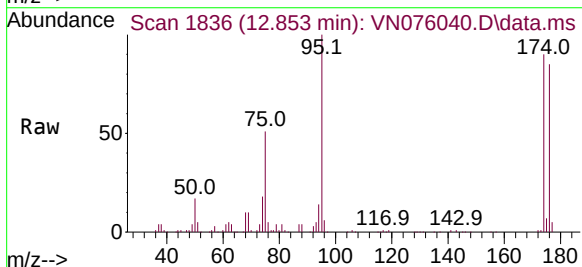
Tgt Ion: 75 Resp: 110420

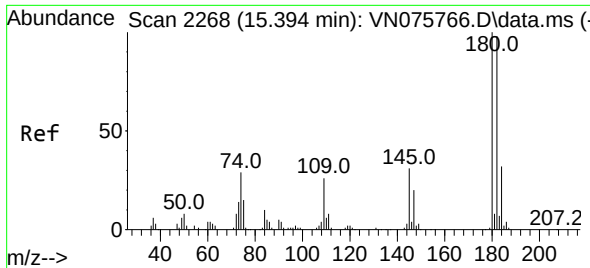
Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 39.5 59.3#

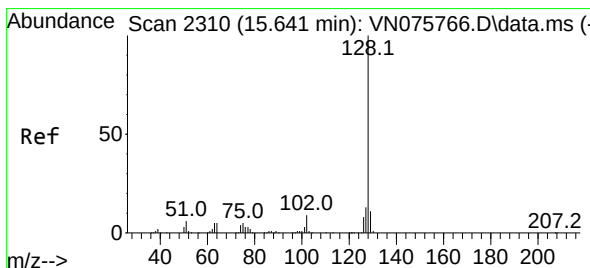
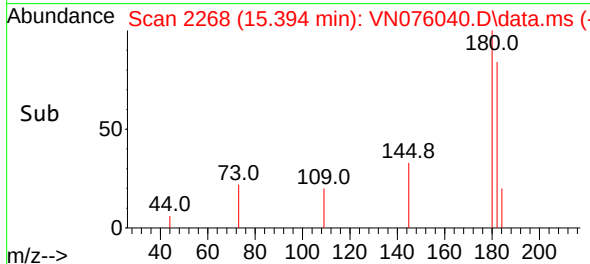
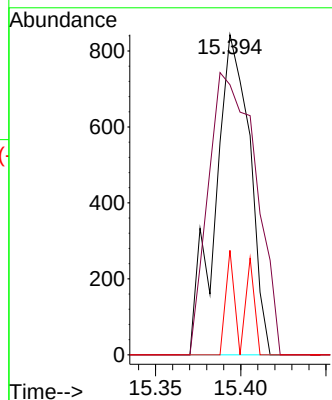
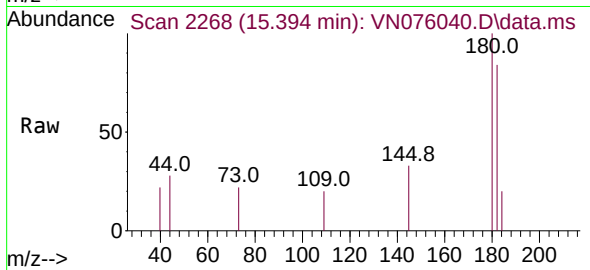




#93
1,2,4-Trichlorobenzene
Concen: 0.316 ug/l
RT: 15.394 min Scan# 21185
Delta R.T. -0.000 min
Lab File: VN076040.D
Acq: 29 Dec 2022 11:32

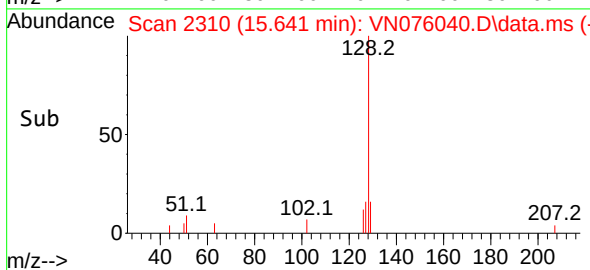
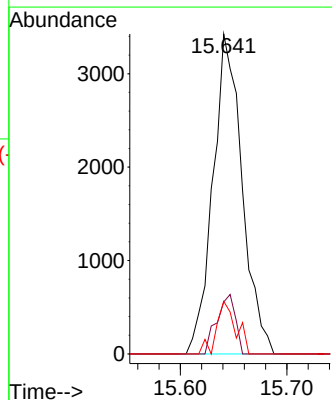
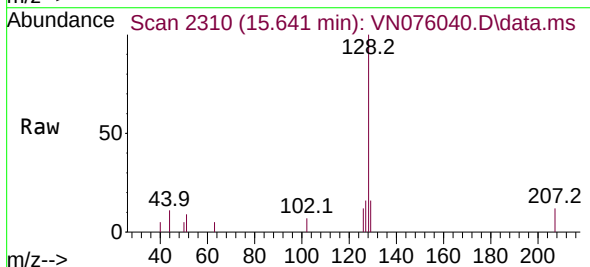
Instrument :
MSVOA_N
ClientSampleId :
VN1229WBL01

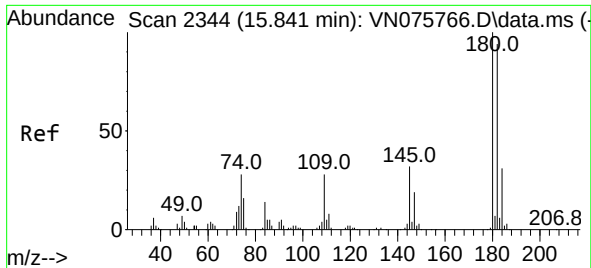
Tgt Ion:180	Resp:	1185
Ion	Ratio	Lower Upper
180	100	
182	121.0	47.5 142.5
145	15.8	15.3 45.8



#95
Naphthalene
Concen: 2.681 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN076040.D
Acq: 29 Dec 2022 11:32

Tgt Ion:128	Resp:	6526
Ion	Ratio	Lower Upper
128	100	
127	11.8	10.4 15.6
129	10.9	8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.473 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN076040.D
 Acq: 29 Dec 2022 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1229WBL01

Tgt Ion:180 Resp: 1660
 Ion Ratio Lower Upper
 180 100
 182 84.5 47.0 141.0
 145 17.0 16.0 47.9

