

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052623\
 Data File : VN077941.D
 Acq On : 26 May 2023 22:41
 Operator : JC\MD
 Sample : VN0526WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0526WBL02

Quant Time: May 29 01:30:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

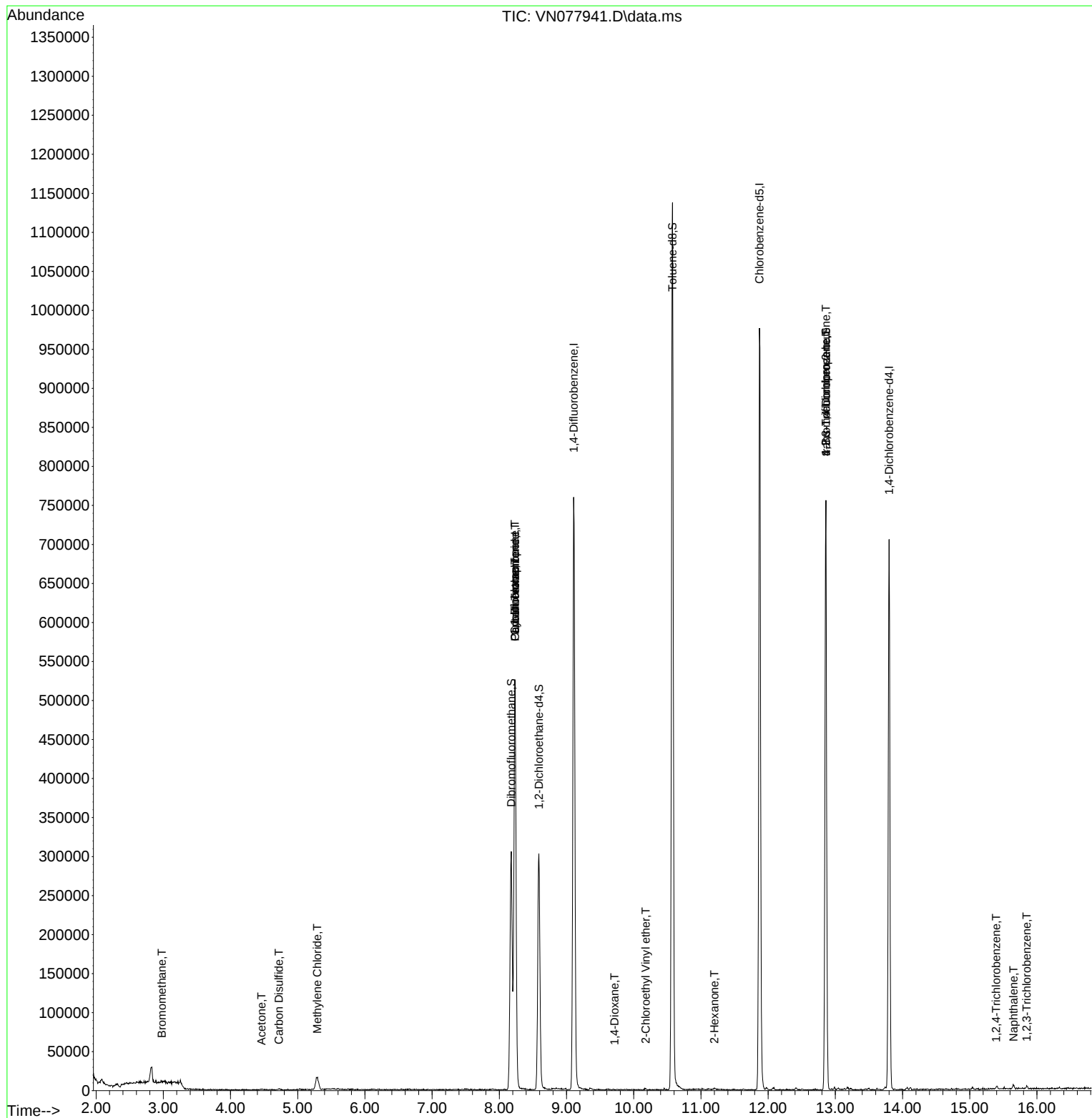
Internal Standards						
1) Pentafluorobenzene	8.236	168	377269	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	674283	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	589895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	185294	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	255485	45.259	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	90.520%
35) Dibromofluoromethane	8.177	113	217498	49.466	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.940%
50) Toluene-d8	10.577	98	832002	49.161	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.320%
62) 4-Bromofluorobenzene	12.859	95	270457	45.248	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.500%
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1130	Below Cal		95
5) Bromomethane	2.977	94	2380	0.594 ug/l		83
13) Acrolein	4.195	56	122	Below Cal	#	1
16) Acetone	4.459	43	1098	0.618 ug/l	#	40
17) Carbon Disulfide	4.718	76	2686	0.251 ug/l	#	75
20) Methylene Chloride	5.289	84	13223	0.921 ug/l		93
31) Cyclohexane	8.230	56	8189	1.067 ug/l	#	35
36) 1,1-Dichloropropene	8.230	75	32067	4.986 ug/l	#	48
38) Carbon Tetrachloride	8.236	117	41570	6.401 ug/l	#	15
49) 1,4-Dioxane	9.712	88	53	0.632 ug/l	#	1
58) 2-Chloroethyl Vinyl ether	10.177	63	880	0.252 ug/l	#	42
59) 2-Hexanone	11.200	43	1042	0.253 ug/l		73
76) 1,2,3-Trichloropropane	12.859	75	142837	30.781 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.859	75	142837	98.392 ug/l	#	15
93) 1,2,4-Trichlorobenzene	15.394	180	1143	0.311 ug/l	#	86
95) Naphthalene	15.653	128	4390	0.347 ug/l	#	93
96) 1,2,3-Trichlorobenzene	15.847	180	1242	0.345 ug/l		98

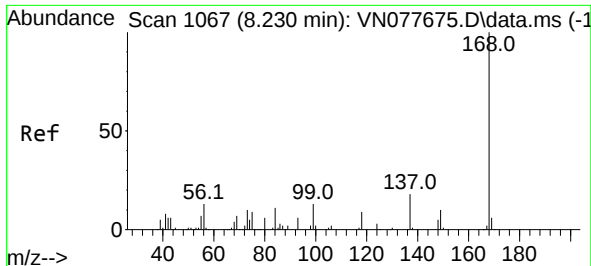
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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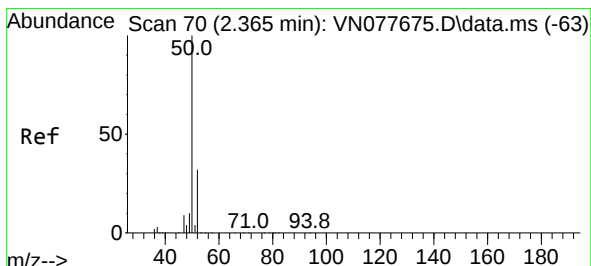
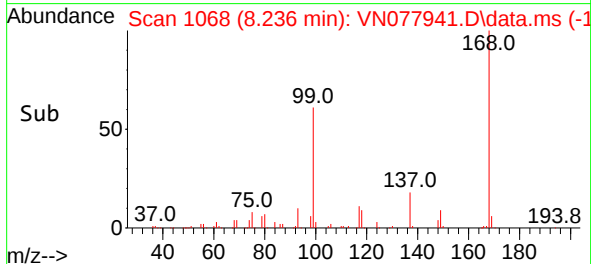
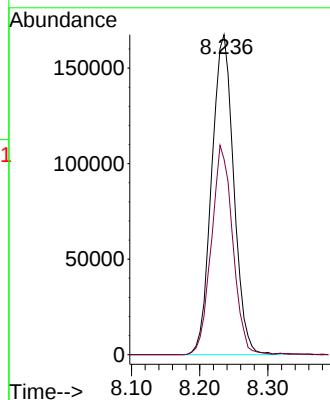
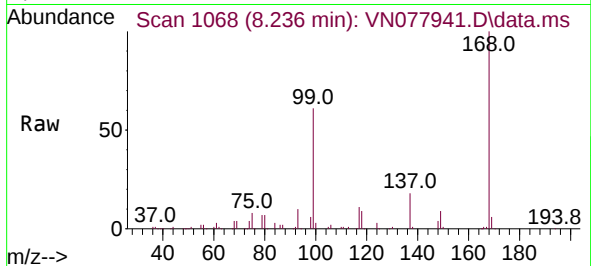




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. 0.006 min
Lab File: VN077941.D
Acq: 26 May 2023 22:41

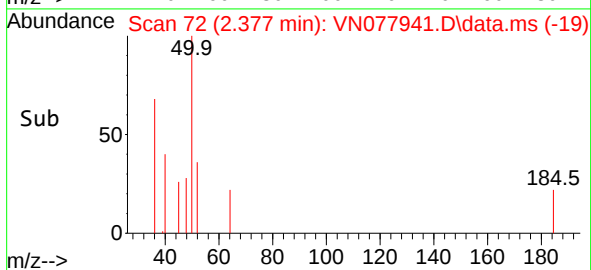
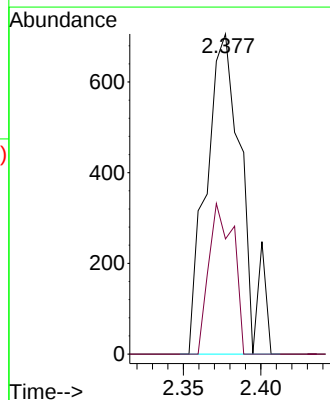
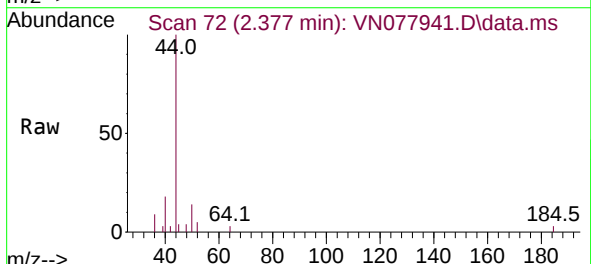
Instrument :
MSVOA_N
ClientSampleId :
VN0526WBL02

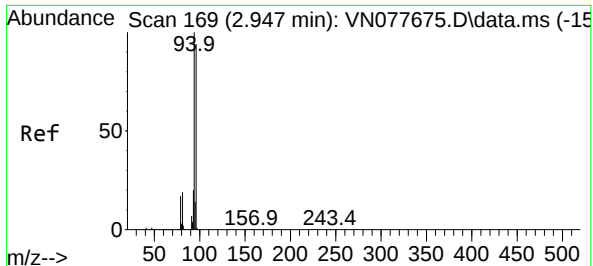
Tgt Ion:168 Resp: 377269
Ion Ratio Lower Upper
168 100
99 61.1 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.012 min
Lab File: VN077941.D
Acq: 26 May 2023 22:41

Tgt Ion: 50 Resp: 1130
Ion Ratio Lower Upper
50 100
52 36.0 26.5 39.7

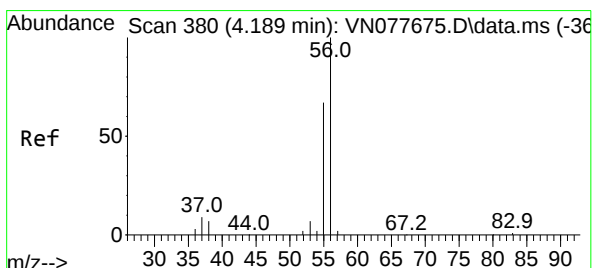
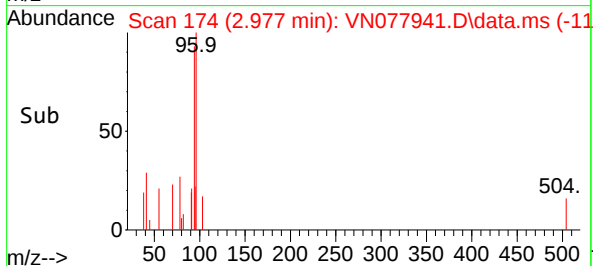
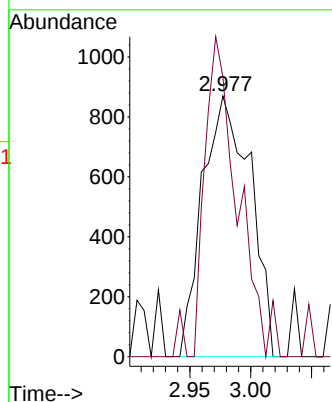
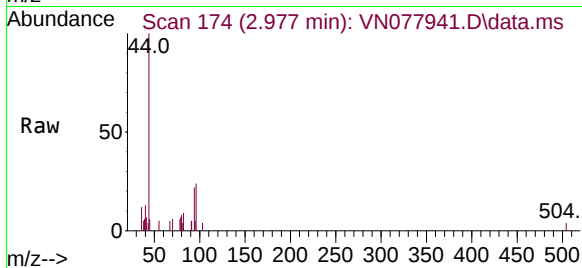




#5
Bromomethane
Concen: 0.594 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.030 min
Lab File: VN077941.D
Acq: 26 May 2023 22:41

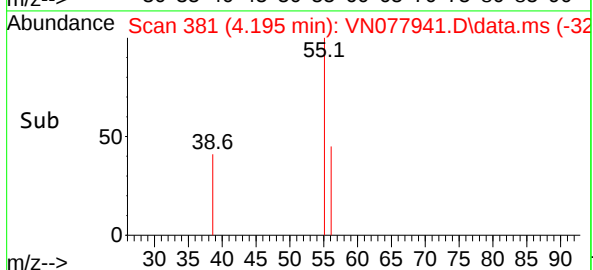
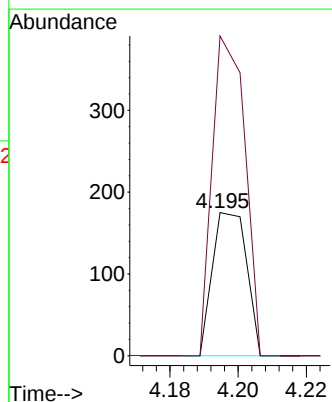
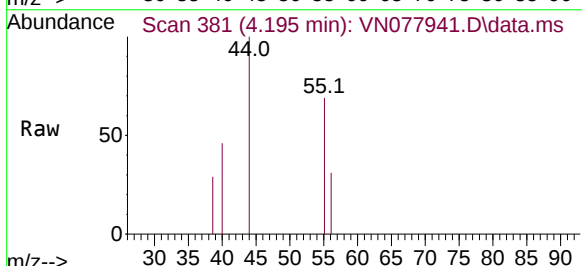
Instrument :
MSVOA_N
ClientSampleId :
VN0526WBL02

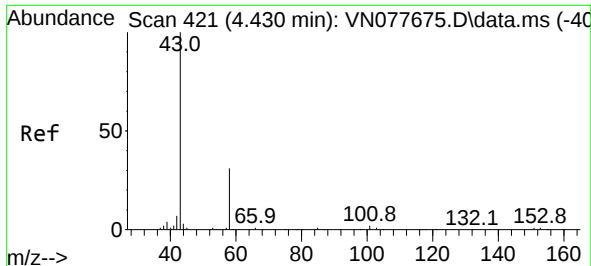
Tgt Ion: 94 Resp: 2380
Ion Ratio Lower Upper
94 100
96 107.4 73.1 109.7



#13
Acrolein
Concen: Below Cal
RT: 4.195 min Scan# 381
Delta R.T. 0.006 min
Lab File: VN077941.D
Acq: 26 May 2023 22:41

Tgt Ion: 56 Resp: 122
Ion Ratio Lower Upper
56 100
55 213.1 54.5 81.7#

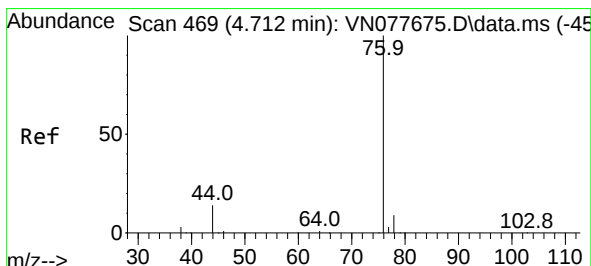
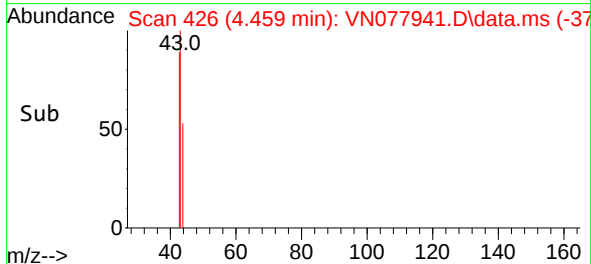
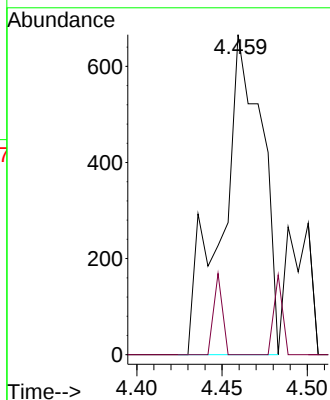
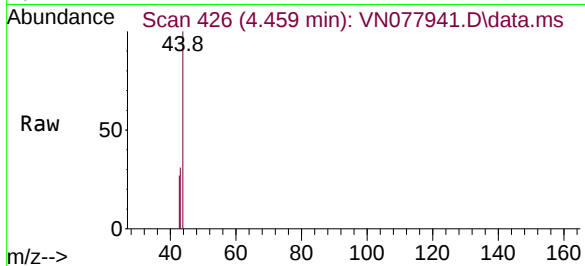




#16
Acetone
Concen: 0.618 ug/l
RT: 4.459 min Scan# 41
Delta R.T. 0.029 min
Lab File: VN077941.D
Acq: 26 May 2023 22:41

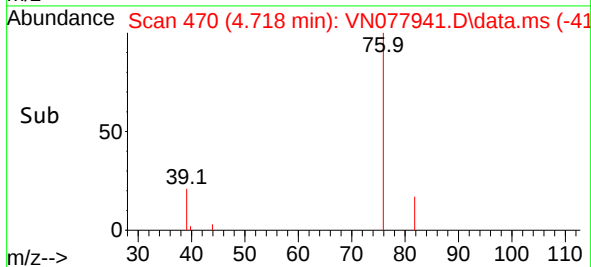
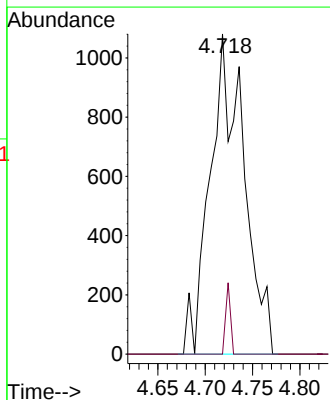
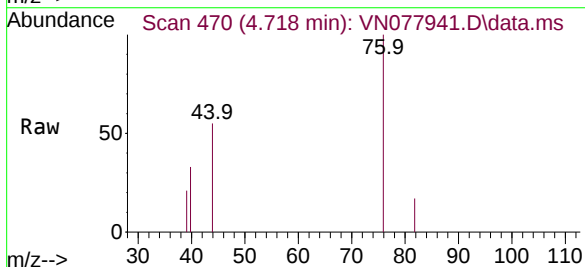
Instrument :
MSVOA_N
ClientSampleId :
VN0526WBL02

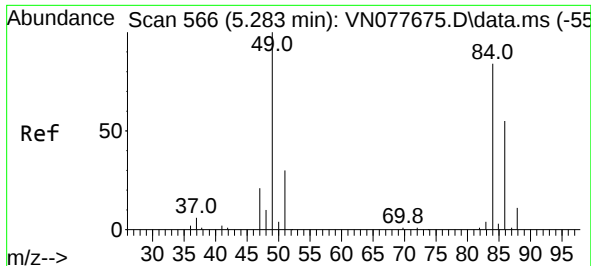
Tgt Ion: 43 Resp: 1098
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#17
Carbon Disulfide
Concen: 0.251 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.006 min
Lab File: VN077941.D
Acq: 26 May 2023 22:41

Tgt Ion: 76 Resp: 2686
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





#20

Methylene Chloride

Concen: 0.921 ug/l

RT: 5.289 min Scan# 5

Delta R.T. 0.006 min

Lab File: VN077941.D

Acq: 26 May 2023 22:41

Instrument :

MSVOA_N

ClientSampleId :

VN0526WBL02

Tgt Ion: 84 Resp: 13223

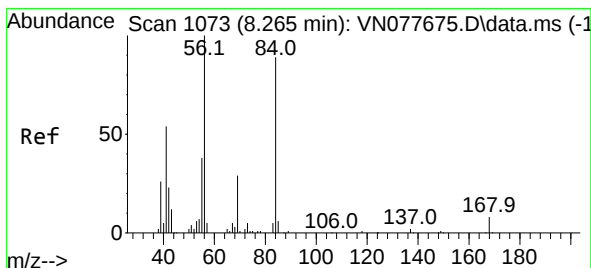
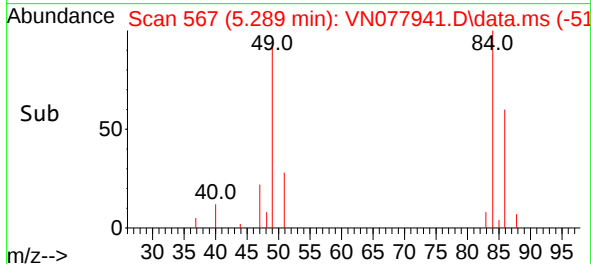
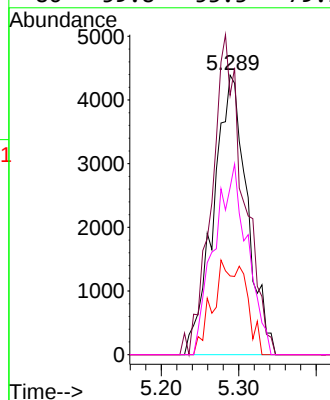
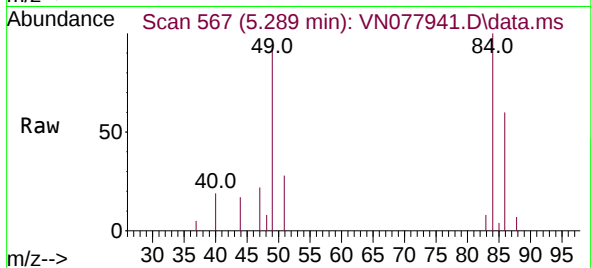
Ion Ratio Lower Upper

84 100

49 92.8 79.7 119.5

51 28.2 25.2 37.8

86 59.8 53.3 79.9



#31

Cyclohexane

Concen: 1.067 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.035 min

Lab File: VN077941.D

Acq: 26 May 2023 22:41

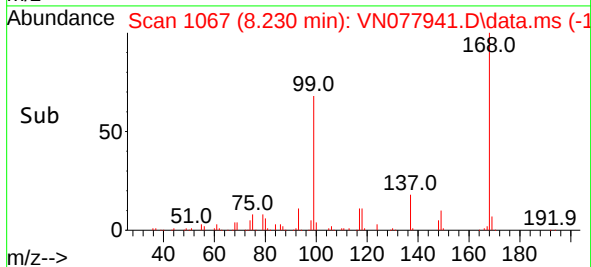
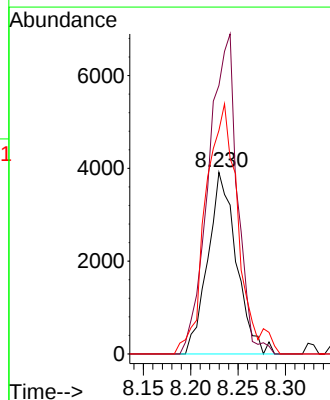
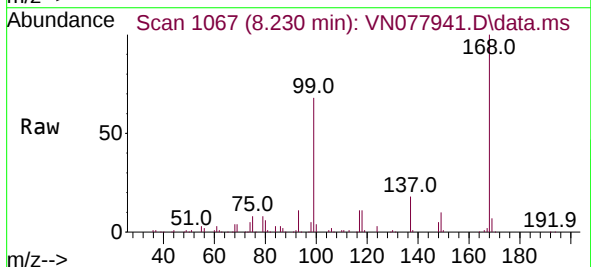
Tgt Ion: 56 Resp: 8189

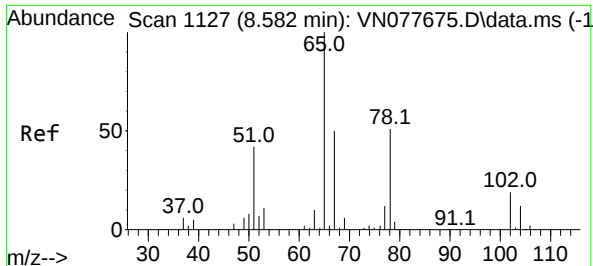
Ion Ratio Lower Upper

56 100

69 147.8 26.8 40.2#

84 123.0 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 45.259 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN077941.D

Acq: 26 May 2023 22:41

Instrument :

MSVOA_N

ClientSampleId :

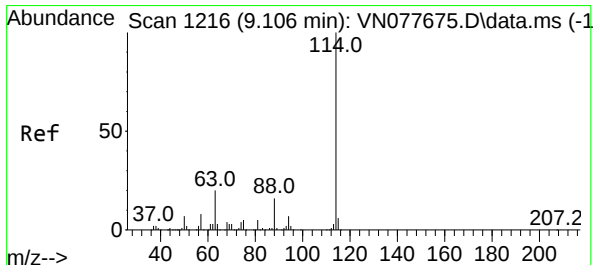
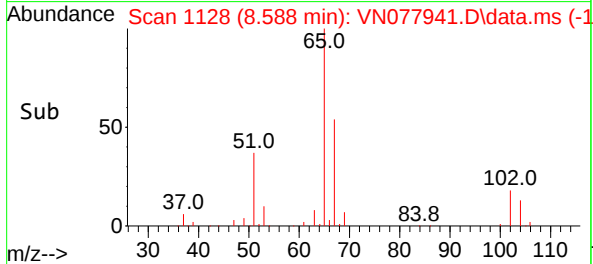
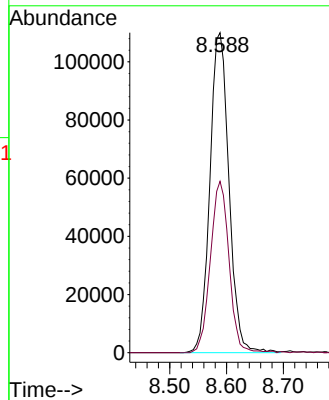
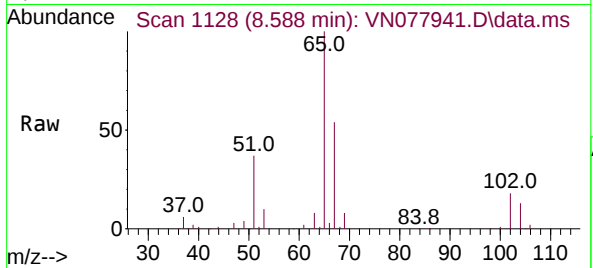
VN0526WBL02

Tgt Ion: 65 Resp: 255485

Ion Ratio Lower Upper

65 100

67 52.2 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN077941.D

Acq: 26 May 2023 22:41

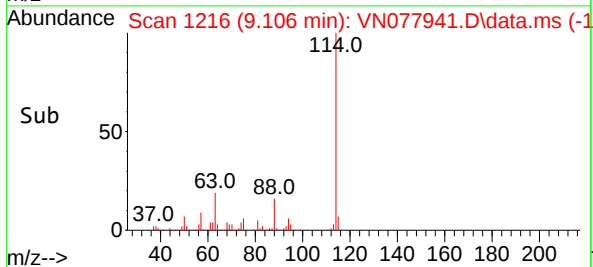
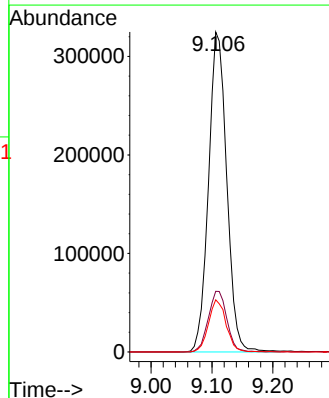
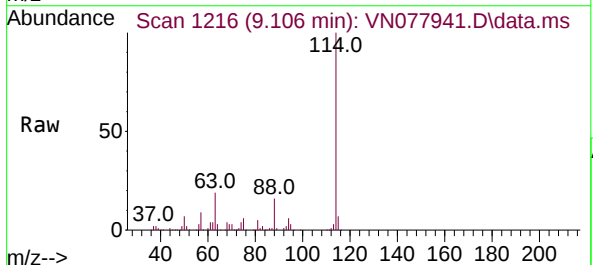
Tgt Ion: 114 Resp: 674283

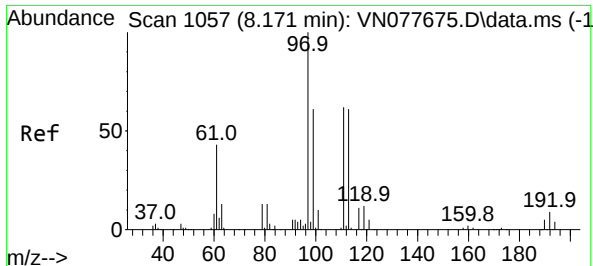
Ion Ratio Lower Upper

114 100

63 18.9 0.0 36.4

88 16.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.466 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN077941.D

Acq: 26 May 2023 22:41

Instrument :

MSVOA_N

ClientSampleId :

VN0526WBL02

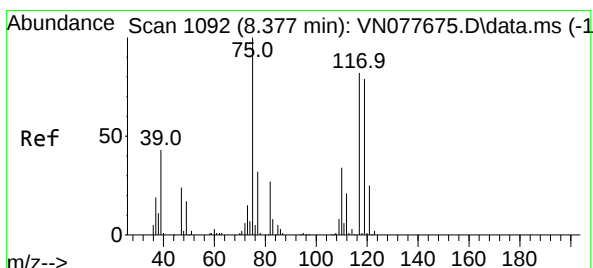
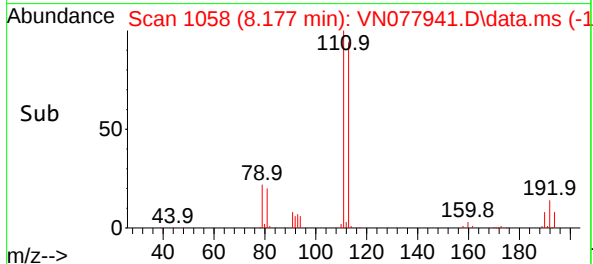
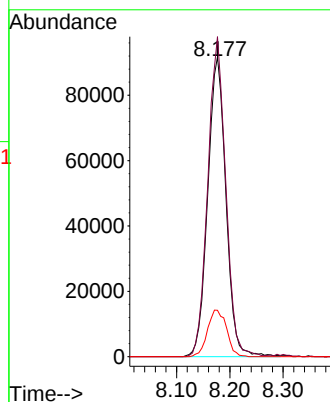
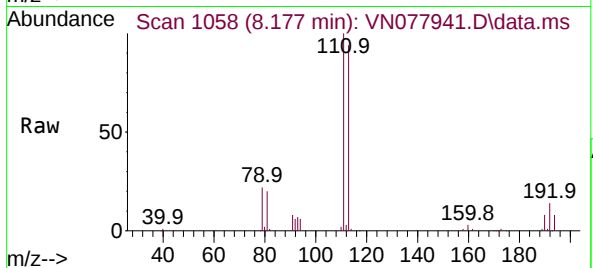
Tgt Ion:113 Resp: 217498

Ion Ratio Lower Upper

113 100

111 105.1 82.6 123.8

192 16.3 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.986 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN077941.D

Acq: 26 May 2023 22:41

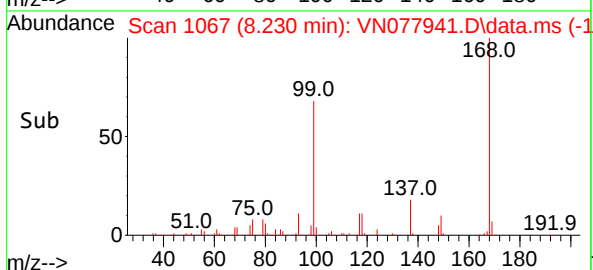
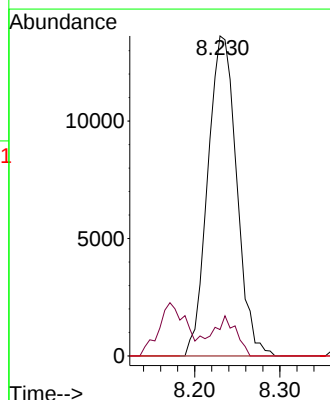
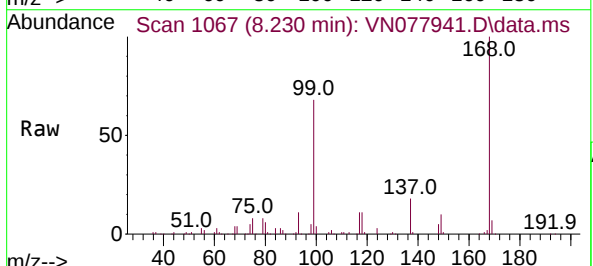
Tgt Ion: 75 Resp: 32067

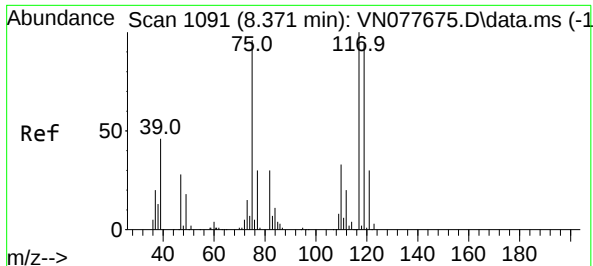
Ion Ratio Lower Upper

75 100

110 9.3 19.1 57.3#

77 0.0 25.0 37.4#

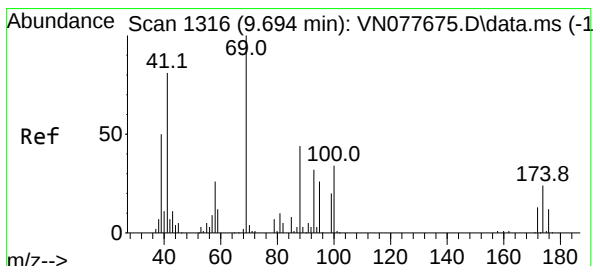
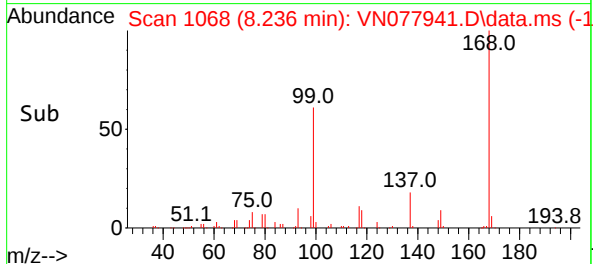
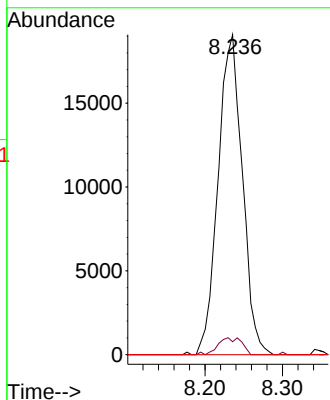
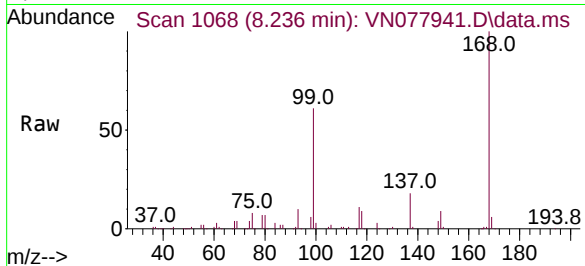




#38
Carbon Tetrachloride
Concen: 6.401 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN077941.D
Acq: 26 May 2023 22:41

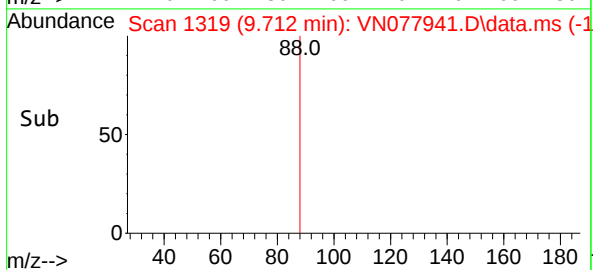
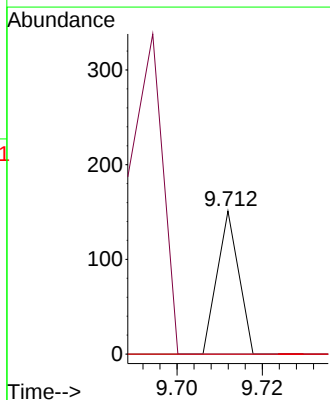
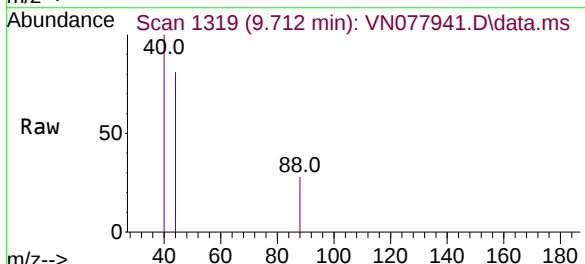
Instrument :
MSVOA_N
ClientSampleId :
VN0526WBL02

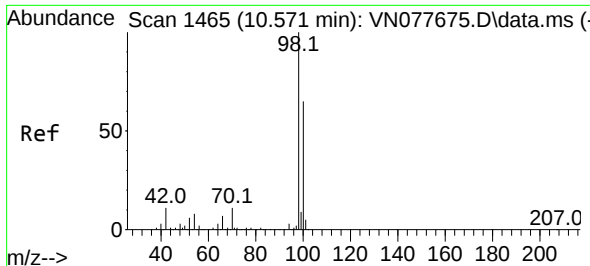
Tgt Ion:117 Resp: 41570
Ion Ratio Lower Upper
117 100
119 4.1 77.3 115.9#
121 0.0 23.3 34.9#



#49
1,4-Dioxane
Concen: 0.632 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. 0.018 min
Lab File: VN077941.D
Acq: 26 May 2023 22:41

Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 349.1 17.0 25.6#
58 0.0 47.0 70.4#

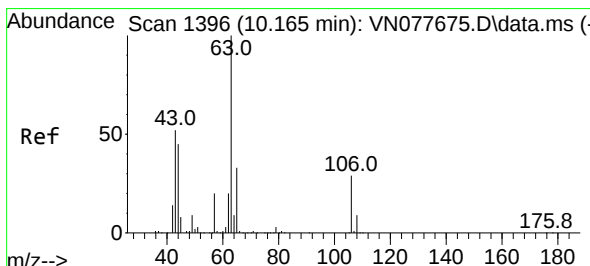
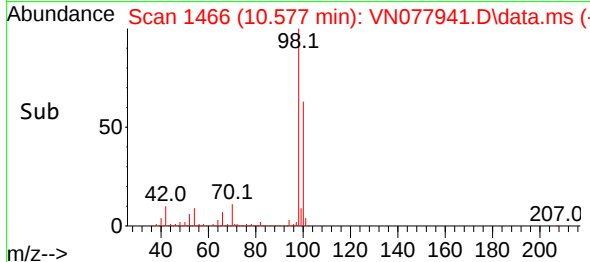
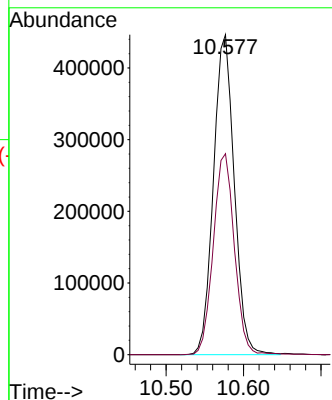
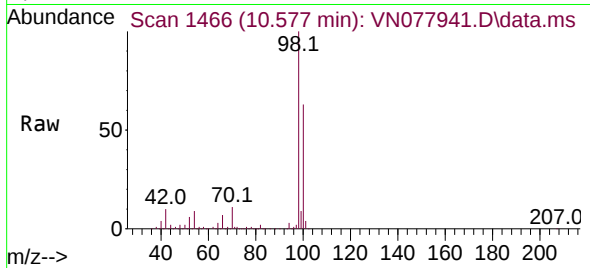




#50
Toluene-d8
Concen: 49.161 ug/l
RT: 10.577 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN077941.D
Acq: 26 May 2023 22:41

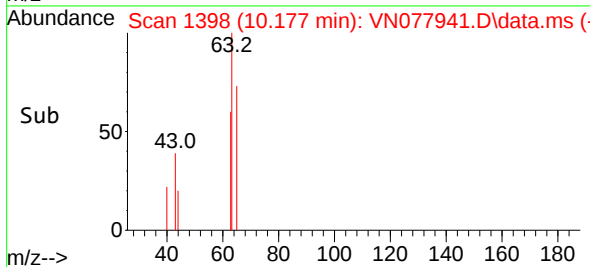
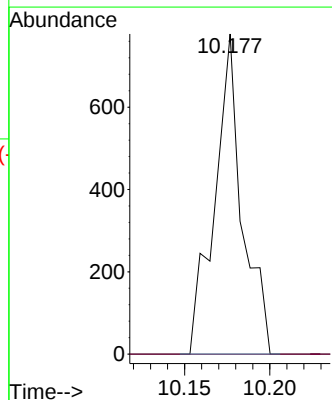
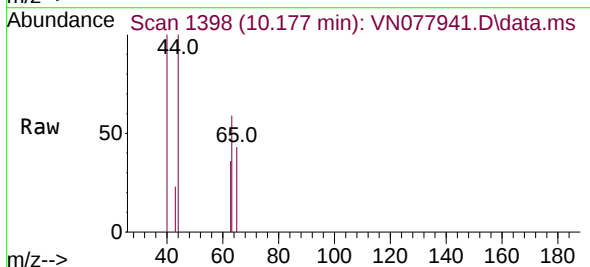
Instrument :
MSVOA_N
ClientSampleId :
VN0526WBL02

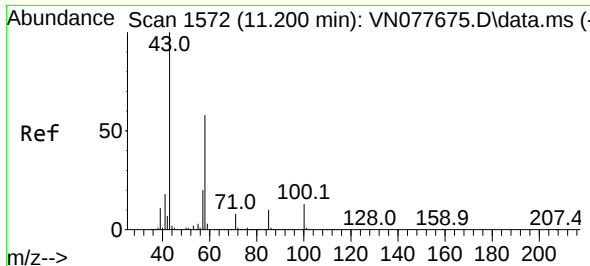
Tgt Ion: 98 Resp: 832002
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0



#58
2-Chloroethyl Vinyl ether
Concen: 0.252 ug/l
RT: 10.177 min Scan# 1398
Delta R.T. 0.012 min
Lab File: VN077941.D
Acq: 26 May 2023 22:41

Tgt Ion: 63 Resp: 880
Ion Ratio Lower Upper
63 100
106 0.0 26.2 39.4#

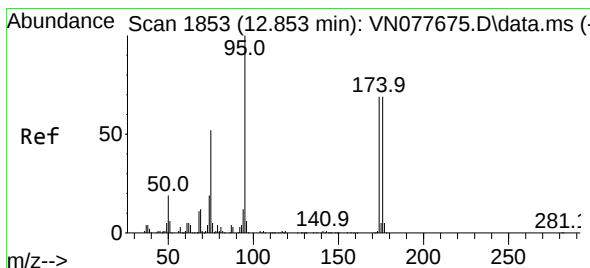
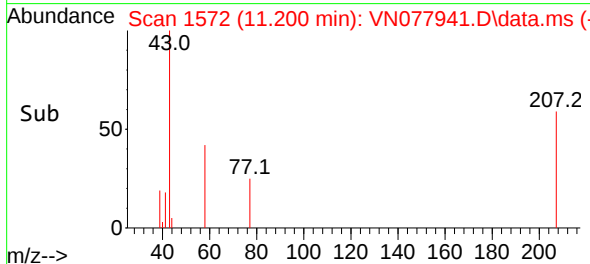
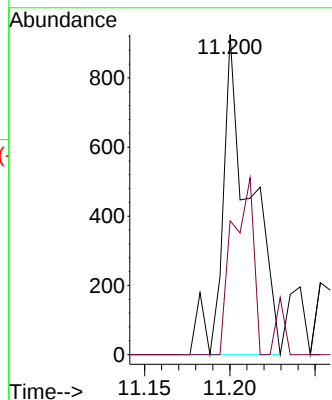
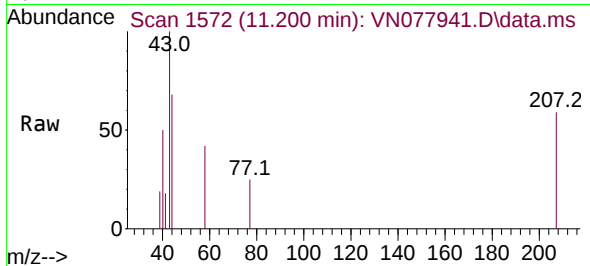




#59
2-Hexanone
Concen: 0.253 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077941.D
Acq: 26 May 2023 22:41

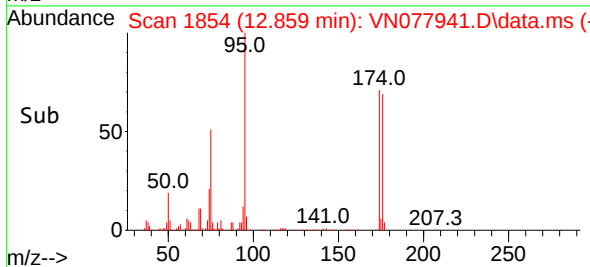
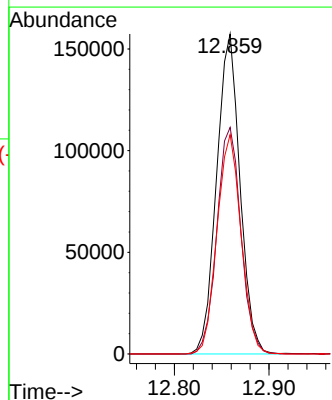
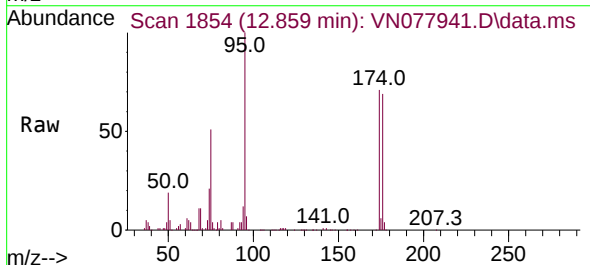
Instrument :
MSVOA_N
ClientSampleId :
VN0526WBL02

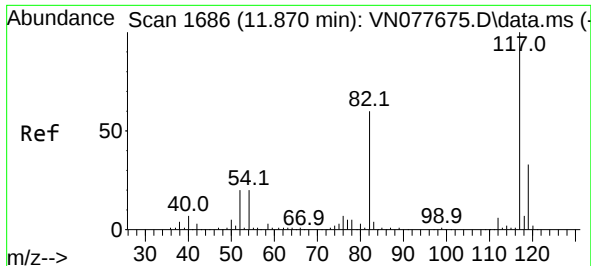
Tgt Ion: 43 Resp: 1042
Ion Ratio Lower Upper
43 100
58 42.3 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 45.248 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077941.D
Acq: 26 May 2023 22:41

Tgt Ion: 95 Resp: 270457
Ion Ratio Lower Upper
95 100
174 72.4 0.0 143.8
176 70.2 0.0 135.8

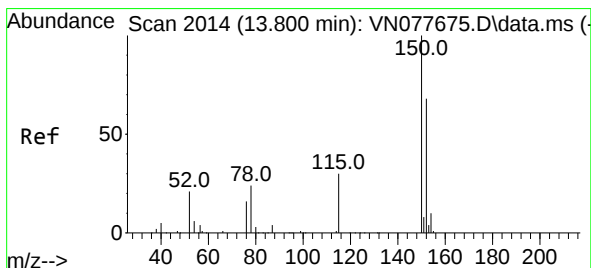
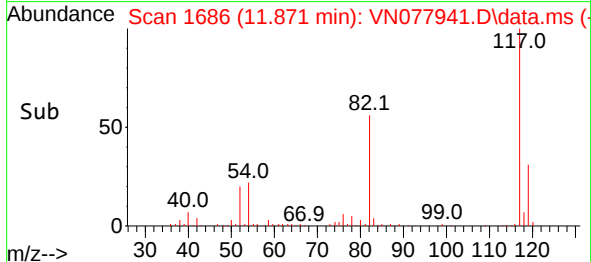
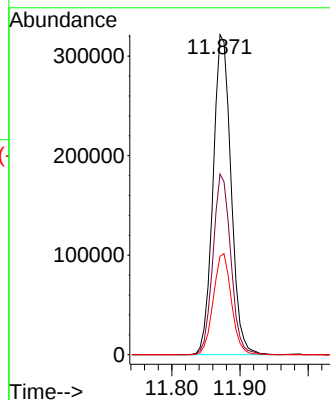
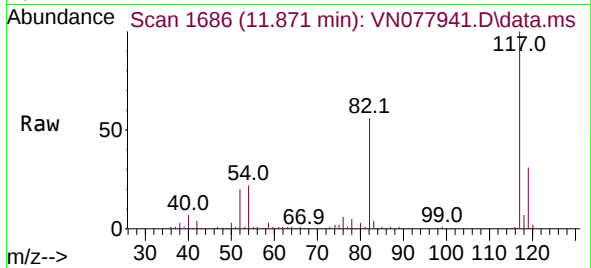




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN077941.D
Acq: 26 May 2023 22:41

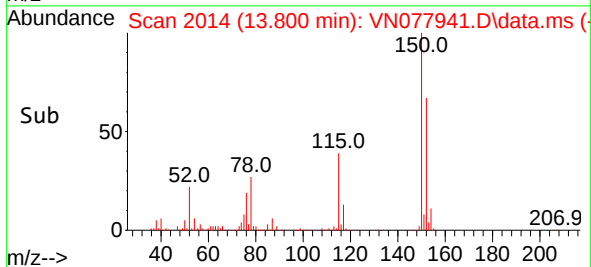
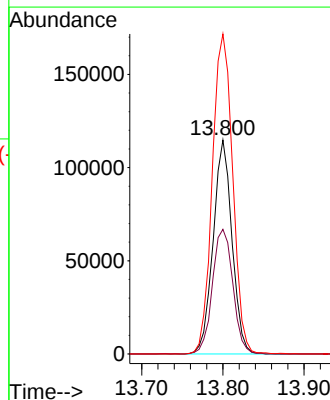
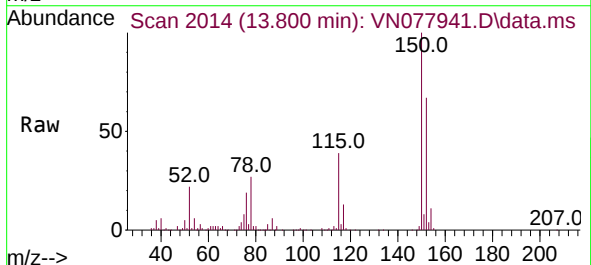
Instrument :
MSVOA_N
ClientSampleId :
VN0526WBL02

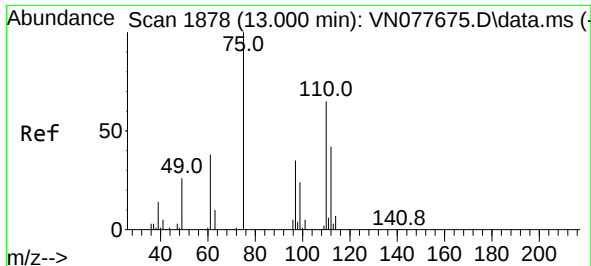
Tgt Ion:117 Resp: 589895
Ion Ratio Lower Upper
117 100
82 56.4 44.0 66.0
119 30.8 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077941.D
Acq: 26 May 2023 22:41

Tgt Ion:152 Resp: 185294
Ion Ratio Lower Upper
152 100
115 63.2 32.3 96.8
150 161.5 0.0 355.8

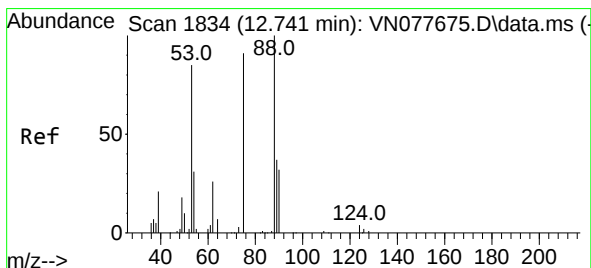
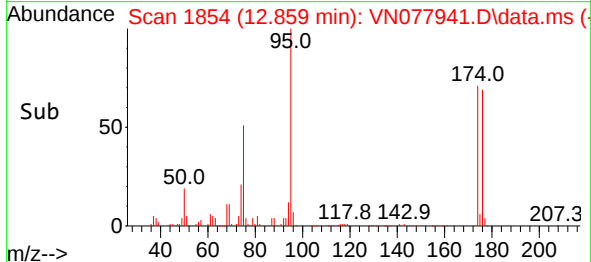
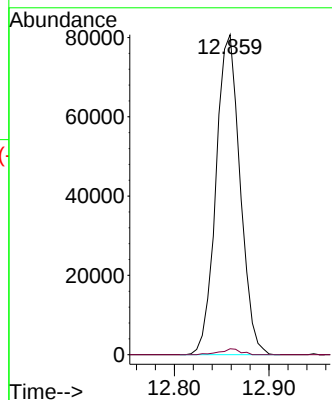
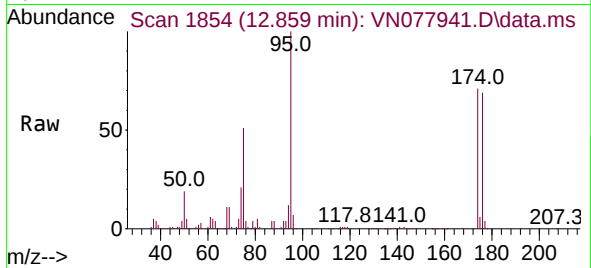




#76
1,2,3-Trichloropropane
Concen: 30.781 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN077941.D
Acq: 26 May 2023 22:41

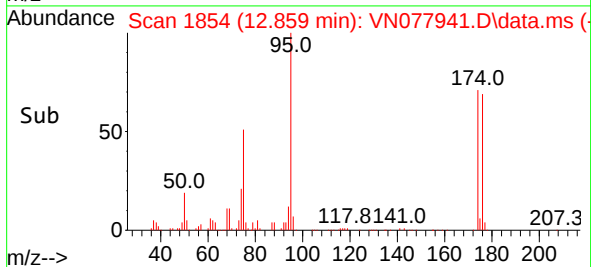
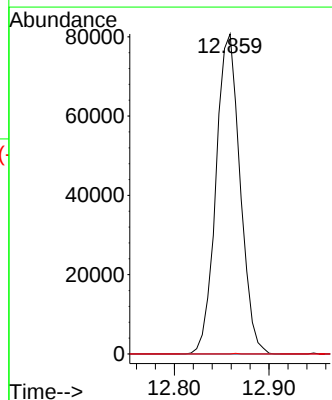
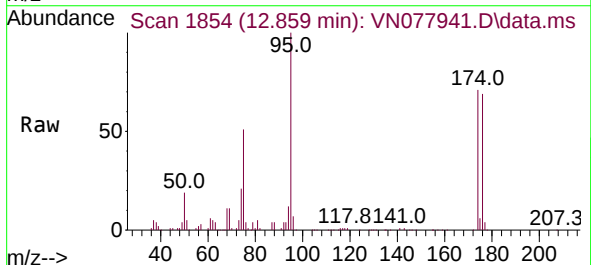
Instrument :
MSVOA_N
ClientSampleId :
VN0526WBL02

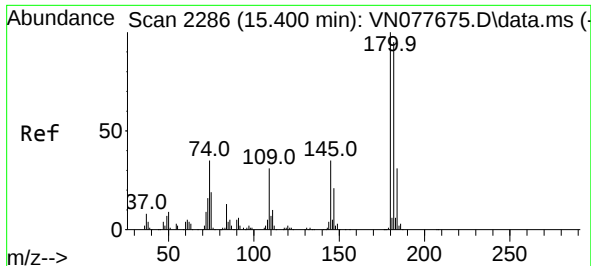
Tgt Ion: 75 Resp: 142837
Ion Ratio Lower Upper
75 100
77 1.6 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.392 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.118 min
Lab File: VN077941.D
Acq: 26 May 2023 22:41

Tgt Ion: 75 Resp: 142837
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#





#93

1,2,4-Trichlorobenzene

Concen: 0.311 ug/l

RT: 15.394 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN077941.D

Acq: 26 May 2023 22:41

Instrument :

MSVOA_N

ClientSampleId :

VN0526WBL02

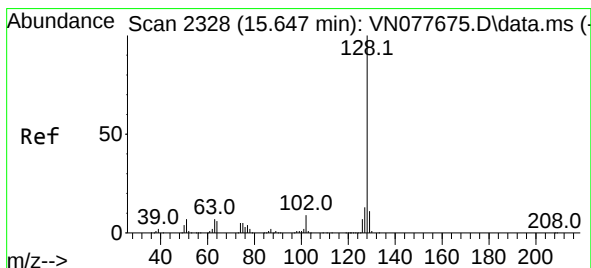
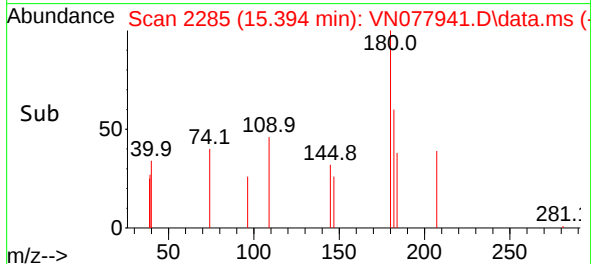
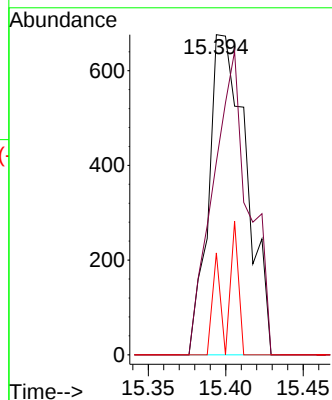
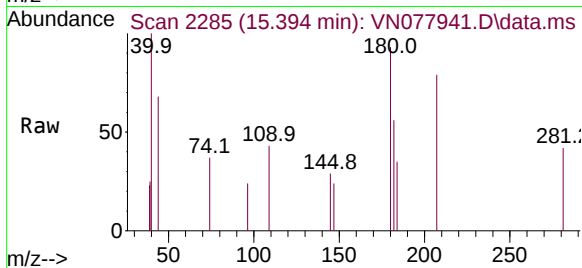
Tgt Ion:180 Resp: 1143

Ion Ratio Lower Upper

180 100

182 89.9 46.1 138.2

145 6.6 16.6 49.8#



#95

Naphthalene

Concen: 0.347 ug/l

RT: 15.653 min Scan# 2329

Delta R.T. 0.006 min

Lab File: VN077941.D

Acq: 26 May 2023 22:41

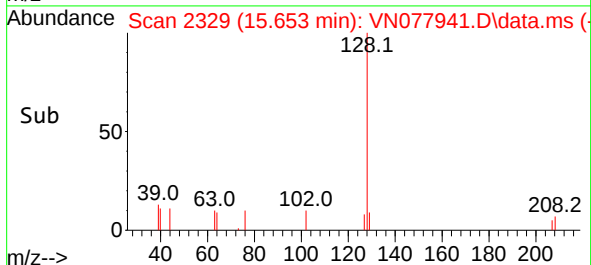
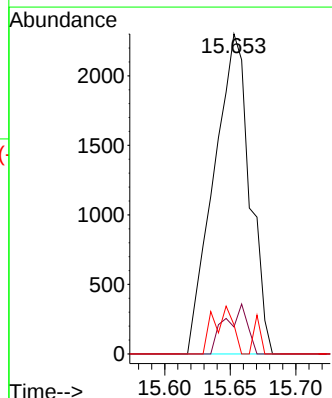
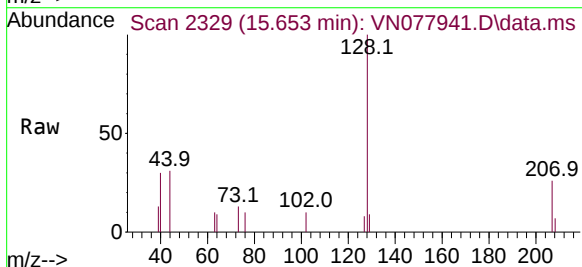
Tgt Ion:128 Resp: 4390

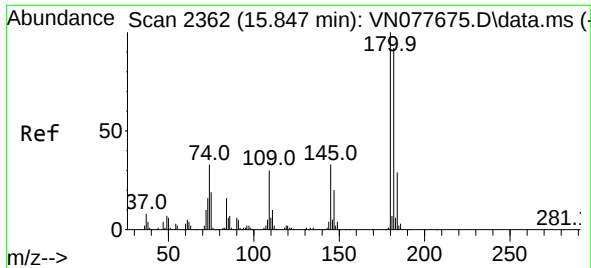
Ion Ratio Lower Upper

128 100

127 9.6 10.0 15.0#

129 8.1 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.345 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN077941.D
 Acq: 26 May 2023 22:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0526WBL02

Tgt Ion:	180	Resp:	1242
Ion	Ratio	Lower	Upper
180	100		
182	93.4	46.2	138.6
145	31.7	17.5	52.6

