

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110922\
 Data File : VN075212.D
 Acq On : 09 Nov 2022 12:49
 Operator : JC\MD
 Sample : VN1109WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 10 02:40:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

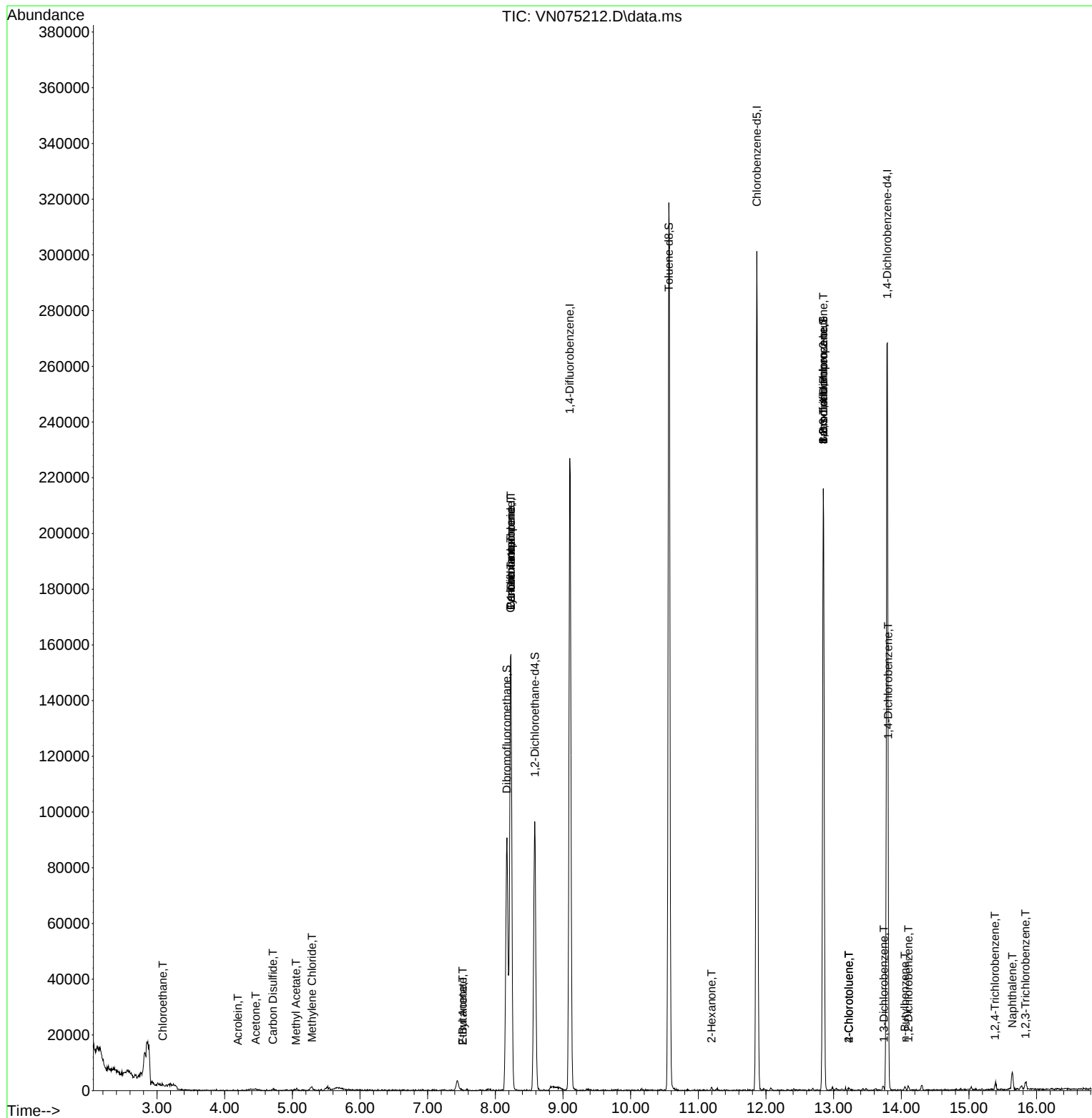
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	113533	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	206325	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	175416	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	73189	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	78221	51.134	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.260%	
35) Dibromofluoromethane	8.171	113	64856	53.545	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.100%	
50) Toluene-d8	10.565	98	228487	48.622	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.240%	
62) 4-Bromofluorobenzene	12.847	95	74730	45.270	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 90.540%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.924	94	382	Below Cal	#	5
6) Chloroethane	3.083	64	435	0.271	ug/l #	45
13) Acrolein	4.195	56	62	0.212	ug/l #	15
16) Acetone	4.459	43	191	0.295	ug/l #	43
17) Carbon Disulfide	4.712	76	1026	0.339	ug/l #	74
18) Methyl Acetate	5.053	43	1042	0.492	ug/l #	57
20) Methylene Chloride	5.289	84	870	0.602	ug/l #	48
25) 2-Butanone	7.518	43	477	0.468	ug/l #	45
31) Cyclohexane	8.224	56	2437	1.071	ug/l #	56
36) 1,1-Dichloropropene	8.230	75	9532	5.083	ug/l #	49
37) Ethyl Acetate	7.518	43	477	0.232	ug/l #	66
38) Carbon Tetrachloride	8.230	117	12973	6.289	ug/l #	16
59) 2-Hexanone	11.194	43	858	0.549	ug/l	71
71) Bromoform	12.847	173	640	0.615	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.941	83	56	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.847	75	39858	25.649	ug/l #	1
79) 2-Chlorotoluene	13.223	91	1037	0.257	ug/l	81
81) trans-1,4-Dichloro-2-b...	12.847	75	39858	65.840	ug/l #	10
82) 4-Chlorotoluene	13.223	91	1037	0.257	ug/l	81
87) 1,3-Dichlorobenzene	13.741	146	875	0.345	ug/l #	36
88) 1,4-Dichlorobenzene	13.806	146	1405	0.560	ug/l #	62
89) n-Butylbenzene	14.053	91	1059	0.260	ug/l #	83
91) 1,2-Dichlorobenzene	14.106	146	754	0.299	ug/l	88
93) 1,2,4-Trichlorobenzene	15.382	180	1187	1.095	ug/l	88
95) Naphthalene	15.641	128	7595	1.823	ug/l	97
96) 1,2,3-Trichlorobenzene	15.835	180	1500	1.393	ug/l	82

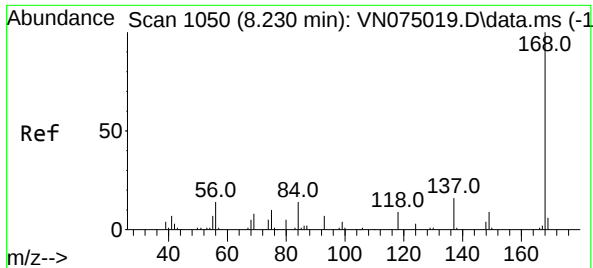
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110922\
Data File : VN075212.D
Acq On : 09 Nov 2022 12:49
Operator : JC\MD
Sample : VN1109WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

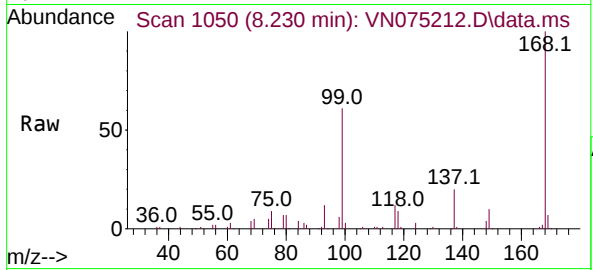
Quant Time: Nov 10 02:40:45 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 27 09:48:49 2022
Response via : Initial Calibration



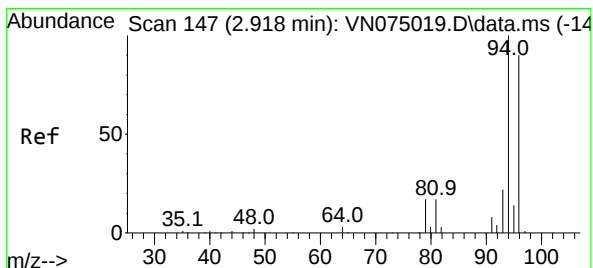
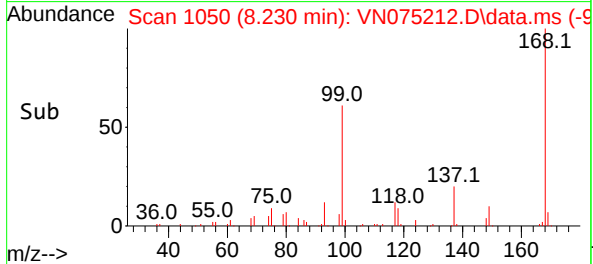
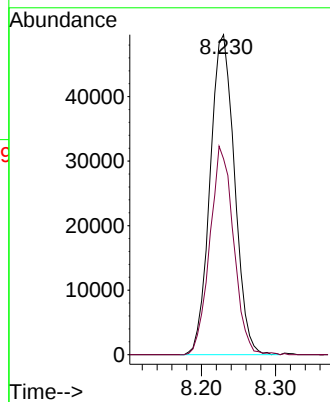


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075212.D
Acq: 09 Nov 2022 12:49

Instrument :
MSVOA_N
ClientSampleId :

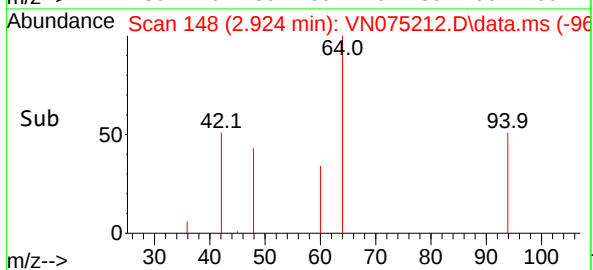
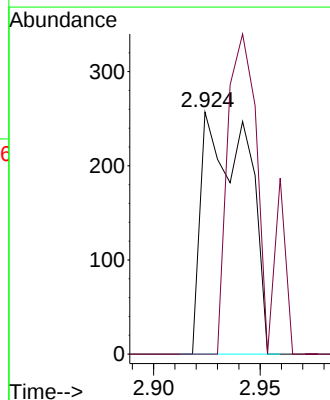
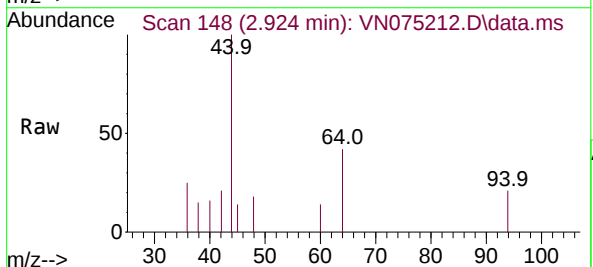


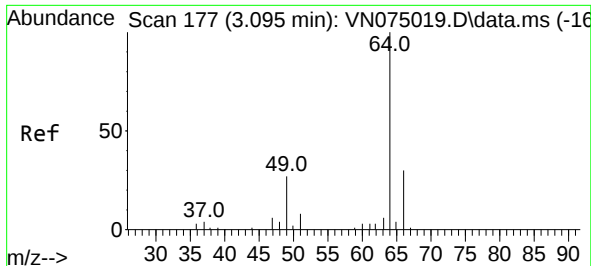
Tgt Ion:168 Resp: 113533
Ion Ratio Lower Upper
168 100
99 61.2 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.924 min Scan# 148
Delta R.T. 0.006 min
Lab File: VN075212.D
Acq: 09 Nov 2022 12:49

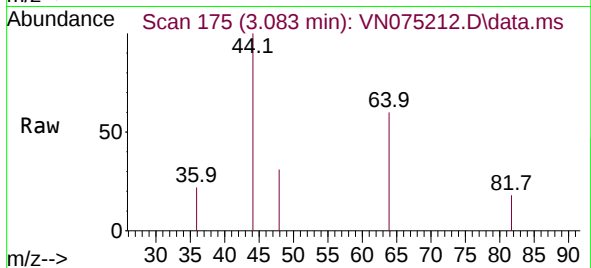
Tgt Ion: 94 Resp: 382
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#



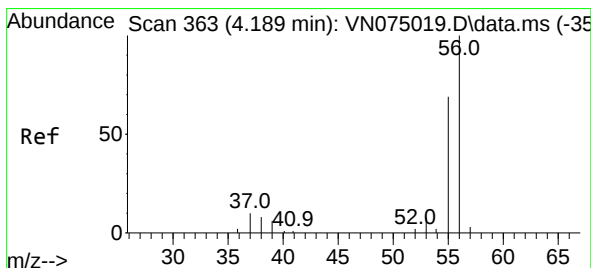
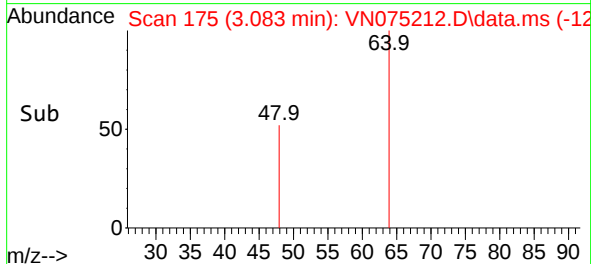
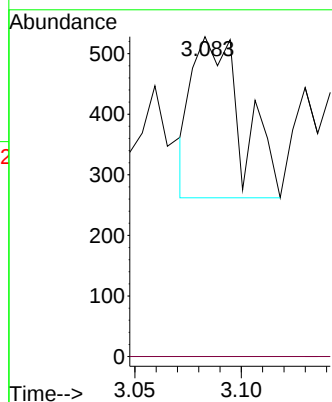


#6
Chloroethane
Concen: 0.271 ug/l
RT: 3.083 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN075212.D
Acq: 09 Nov 2022 12:49

Instrument :
MSVOA_N
ClientSampleId :

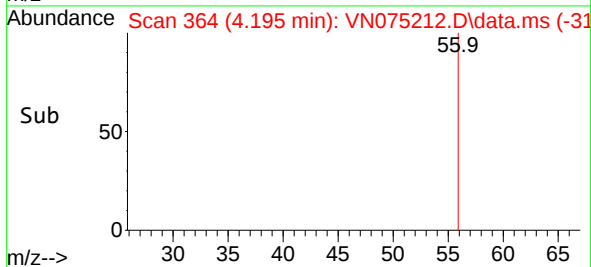
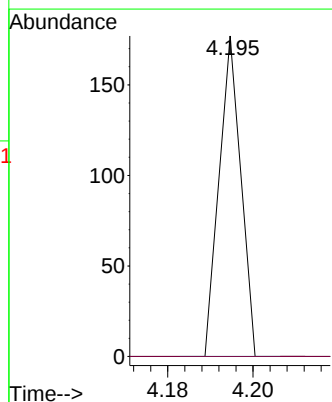
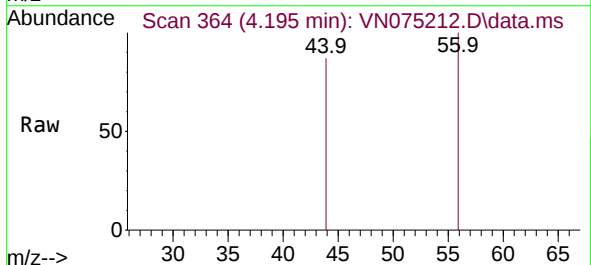


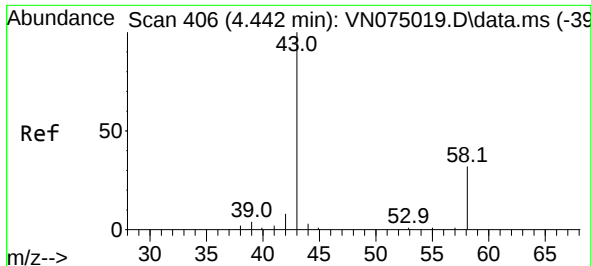
Tgt Ion: 64 Resp: 435
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#13
Acrolein
Concen: 0.212 ug/l
RT: 4.195 min Scan# 364
Delta R.T. 0.006 min
Lab File: VN075212.D
Acq: 09 Nov 2022 12:49

Tgt Ion: 56 Resp: 62
Ion Ratio Lower Upper
56 100
55 0.0 55.2 82.8#





#16

Acetone

Concen: 0.295 ug/l

RT: 4.459 min Scan# 409

Delta R.T. 0.017 min

Lab File: VN075212.D

Acq: 09 Nov 2022 12:49

Instrument :

MSVOA_N

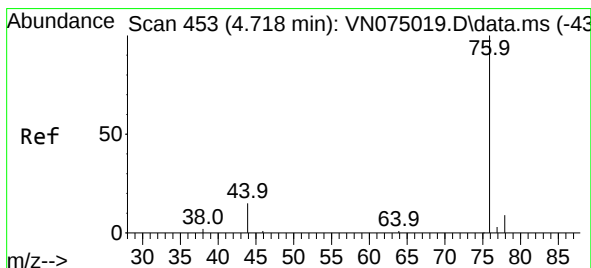
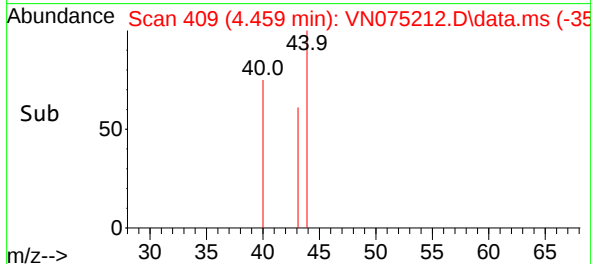
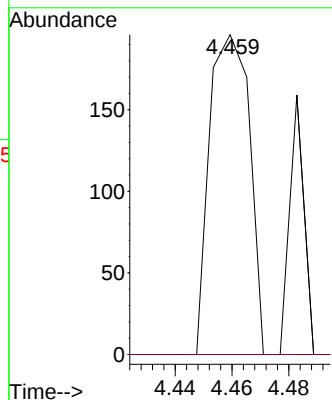
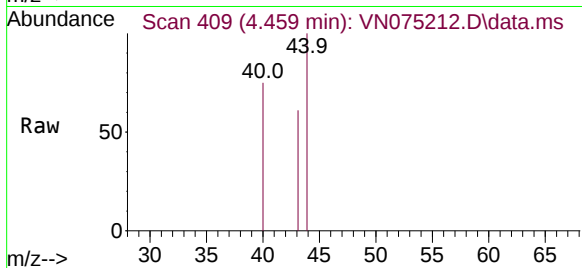
ClientSampleId :

Tgt Ion: 43 Resp: 191

Ion Ratio Lower Upper

43 100

58 0.0 25.5 38.3#



#17

Carbon Disulfide

Concen: 0.339 ug/l

RT: 4.712 min Scan# 452

Delta R.T. -0.006 min

Lab File: VN075212.D

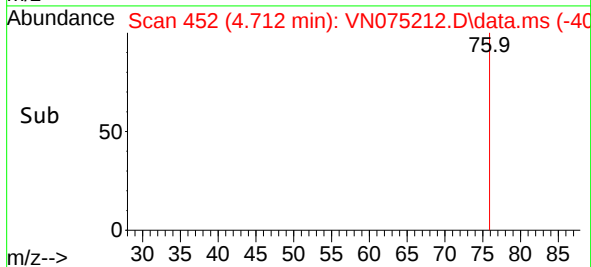
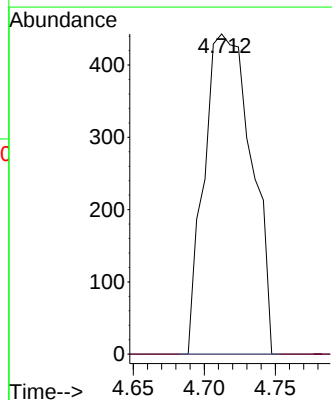
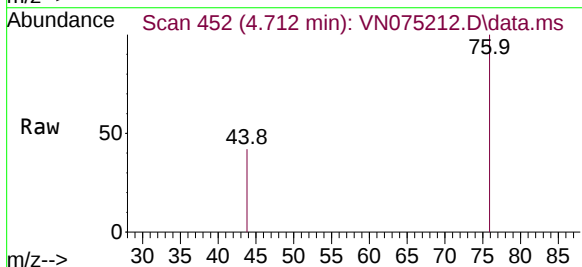
Acq: 09 Nov 2022 12:49

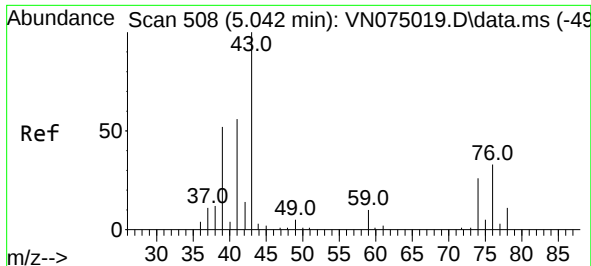
Tgt Ion: 76 Resp: 1026

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.2#

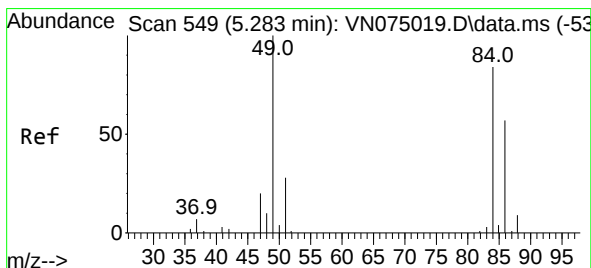
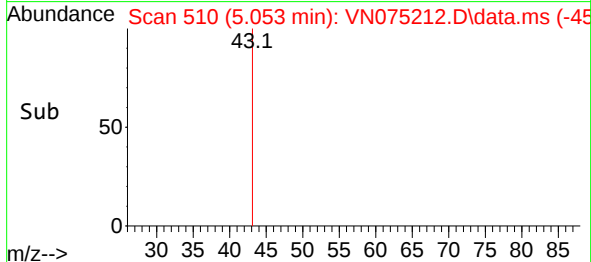
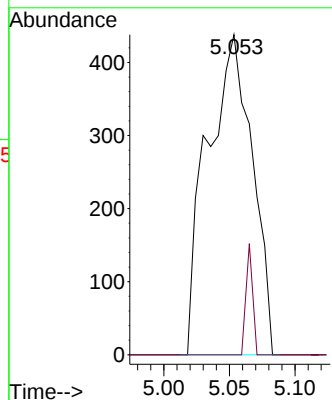
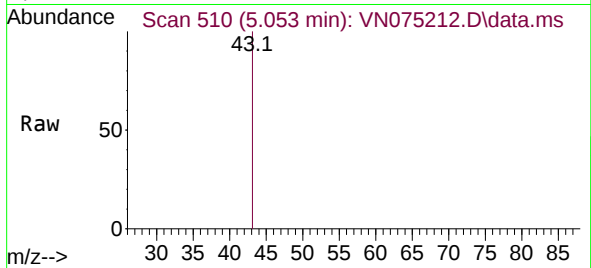




#18
Methyl Acetate
Concen: 0.492 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.011 min
Lab File: VN075212.D
Acq: 09 Nov 2022 12:49

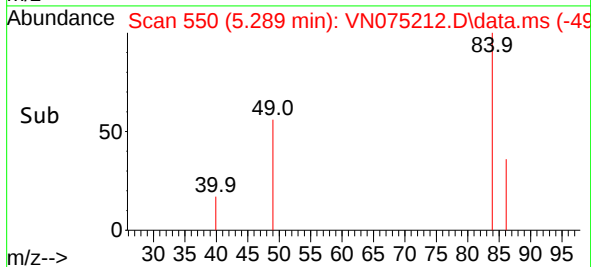
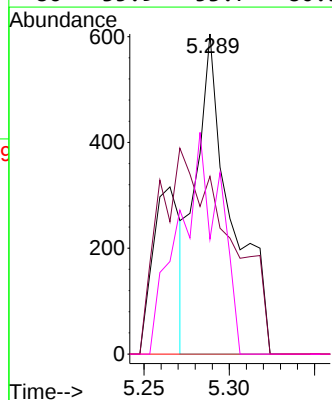
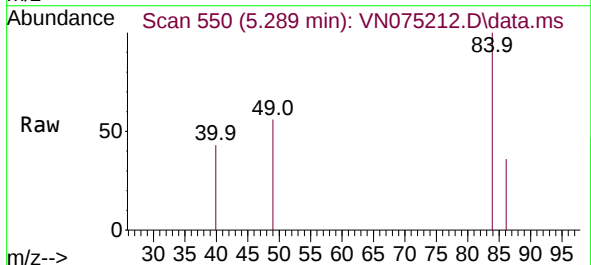
Instrument :
MSVOA_N
ClientSampleId :

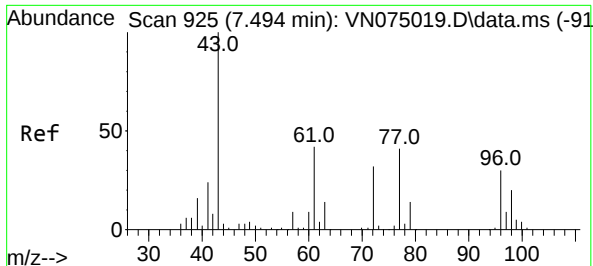
Tgt Ion: 43 Resp: 1042
Ion Ratio Lower Upper
43 100
74 5.2 22.0 33.0#



#20
Methylene Chloride
Concen: 0.602 ug/l
RT: 5.289 min Scan# 550
Delta R.T. 0.006 min
Lab File: VN075212.D
Acq: 09 Nov 2022 12:49

Tgt Ion: 84 Resp: 870
Ion Ratio Lower Upper
84 100
49 55.5 94.9 142.3#
51 0.0 26.8 40.2#
86 35.9 53.7 80.5#





#25

2-Butanone

Concen: 0.468 ug/l

RT: 7.518 min Scan# 91

Delta R.T. 0.024 min

Lab File: VN075212.D

Acq: 09 Nov 2022 12:49

Instrument :

MSVOA_N

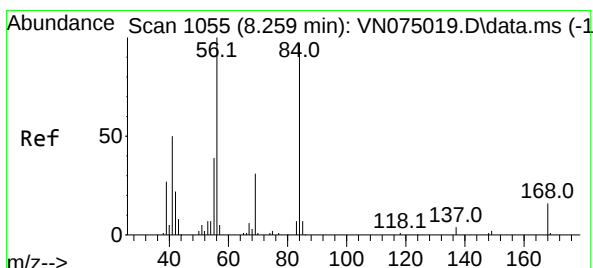
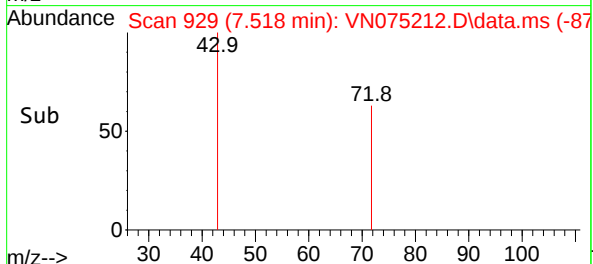
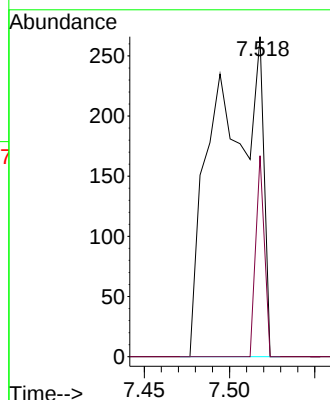
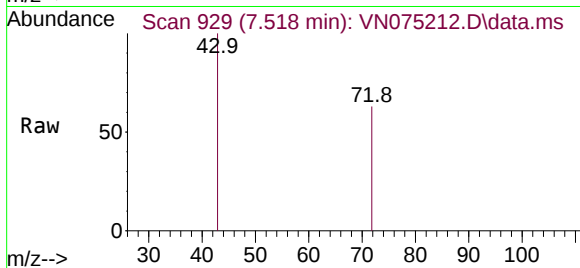
ClientSampleId :

Tgt Ion: 43 Resp: 477

Ion Ratio Lower Upper

43 100

72 62.8 25.5 38.3#



#31

Cyclohexane

Concen: 1.071 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.035 min

Lab File: VN075212.D

Acq: 09 Nov 2022 12:49

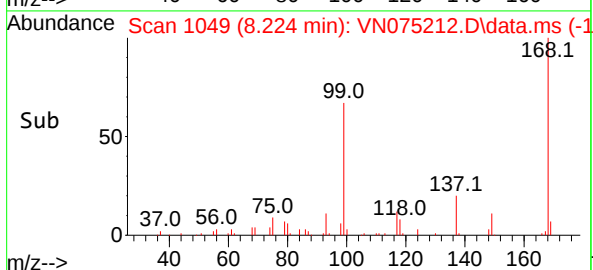
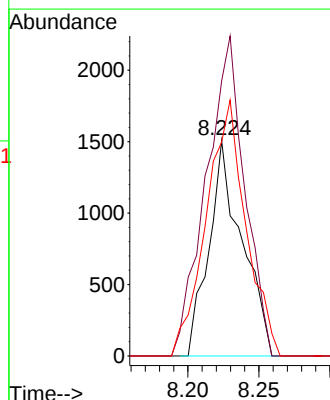
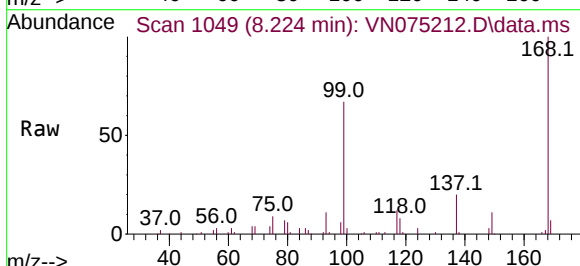
Tgt Ion: 56 Resp: 2437

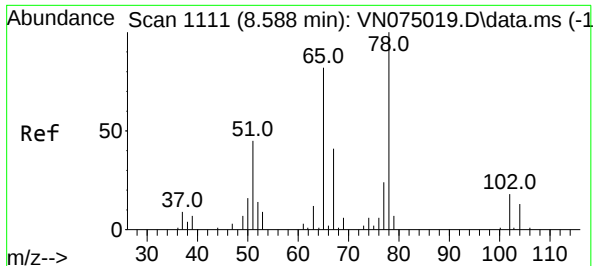
Ion Ratio Lower Upper

56 100

69 127.5 25.2 37.8#

84 99.1 77.8 116.8





#33

1,2-Dichloroethane-d4

Concen: 51.134 ug/l

RT: 8.583 min Scan# 1111

Delta R.T. -0.005 min

Lab File: VN075212.D

Acq: 09 Nov 2022 12:49

Instrument :

MSVOA_N

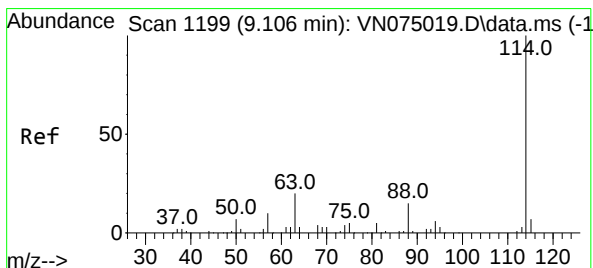
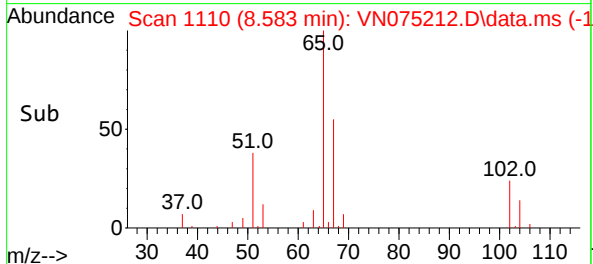
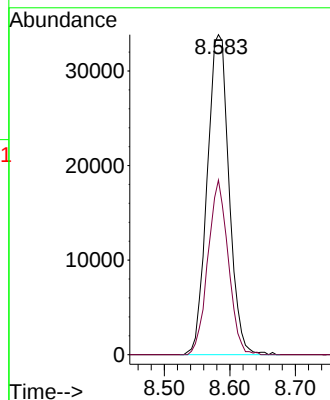
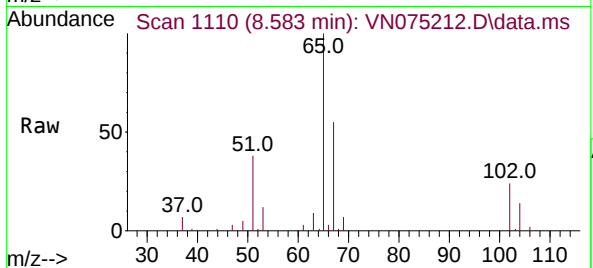
ClientSampleId :

Tgt Ion: 65 Resp: 78221

Ion Ratio Lower Upper

65 100

67 50.8 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1198

Delta R.T. -0.006 min

Lab File: VN075212.D

Acq: 09 Nov 2022 12:49

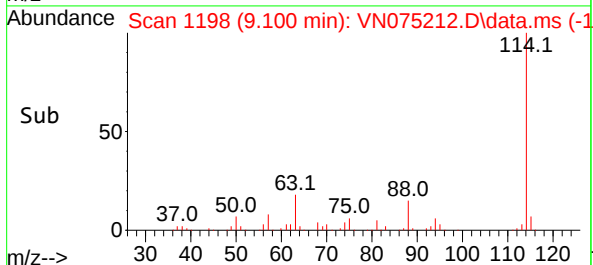
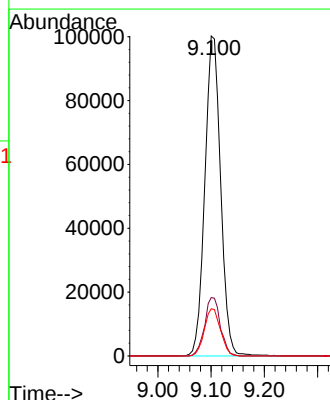
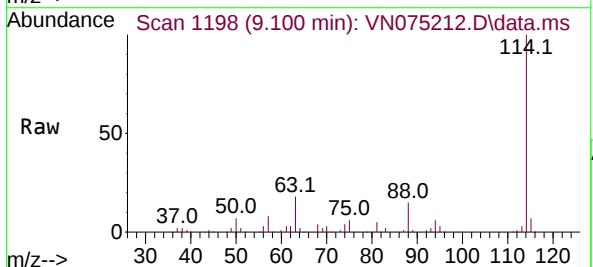
Tgt Ion: 114 Resp: 206325

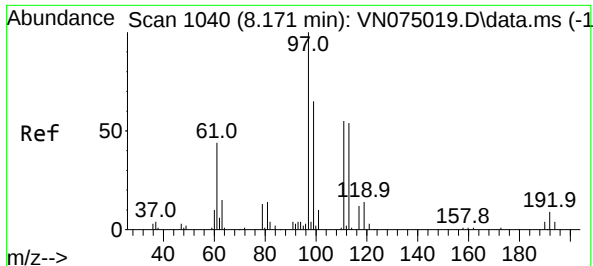
Ion Ratio Lower Upper

114 100

63 18.3 0.0 39.6

88 14.8 0.0 29.0





#35

Dibromofluoromethane

Concen: 53.545 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075212.D

Acq: 09 Nov 2022 12:49

Instrument :

MSVOA_N

ClientSampleId :

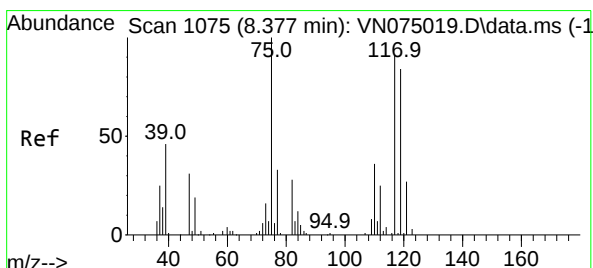
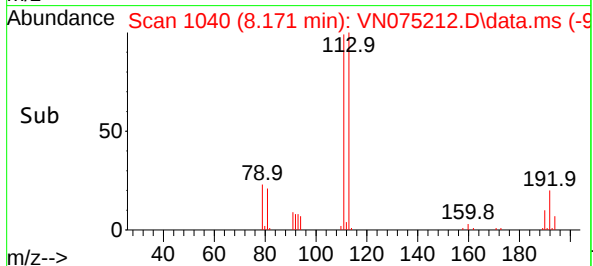
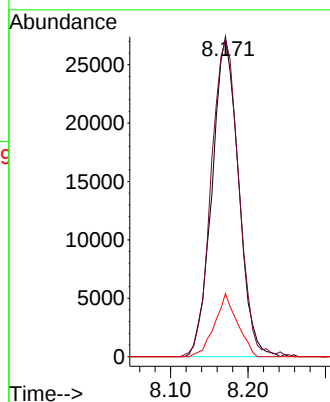
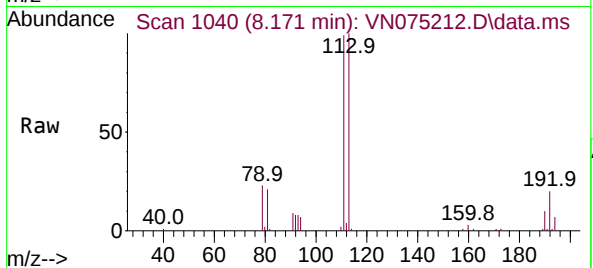
Tgt Ion:113 Resp: 64856

Ion Ratio Lower Upper

113 100

111 103.6 80.5 120.7

192 17.0 13.2 19.8



#36

1,1-Dichloropropene

Concen: 5.083 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075212.D

Acq: 09 Nov 2022 12:49

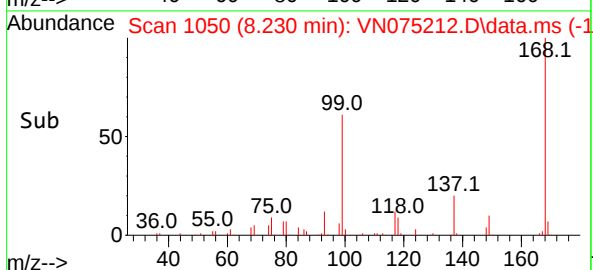
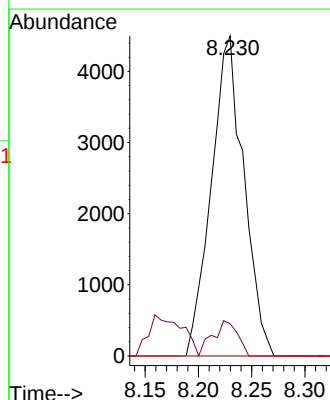
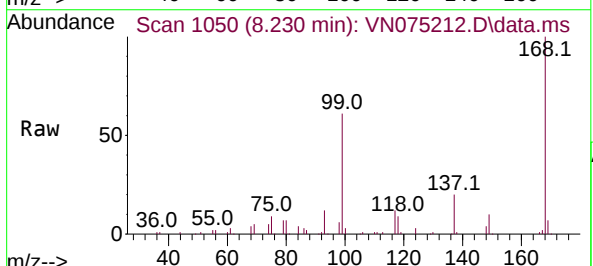
Tgt Ion: 75 Resp: 9532

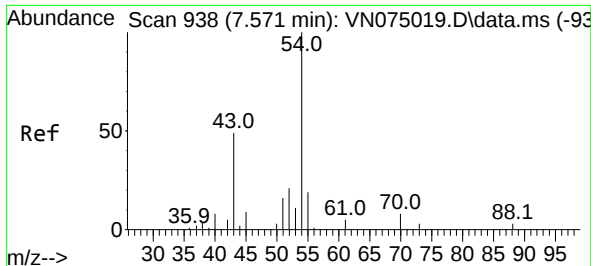
Ion Ratio Lower Upper

75 100

110 8.3 17.8 53.3#

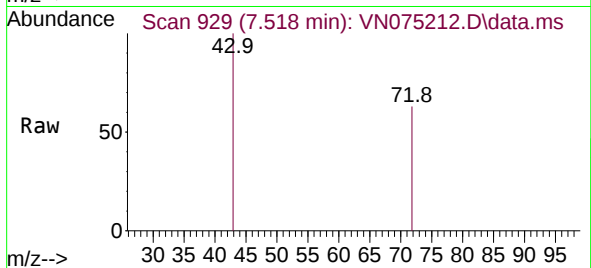
77 0.0 24.6 37.0#



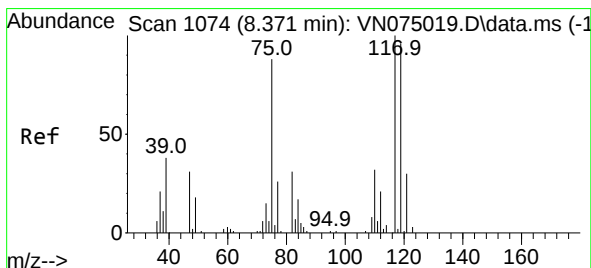
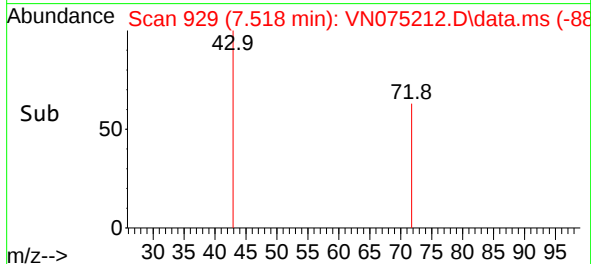
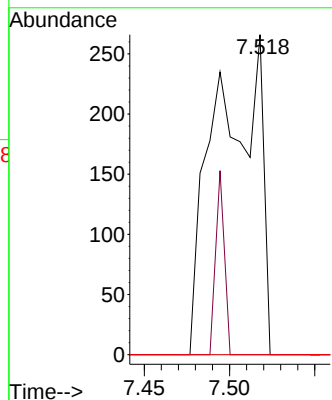


#37
Ethyl Acetate
Concen: 0.232 ug/l
RT: 7.518 min Scan# 91
Delta R.T. -0.053 min
Lab File: VN075212.D
Acq: 09 Nov 2022 12:49

Instrument :
MSVOA_N
ClientSampleId :

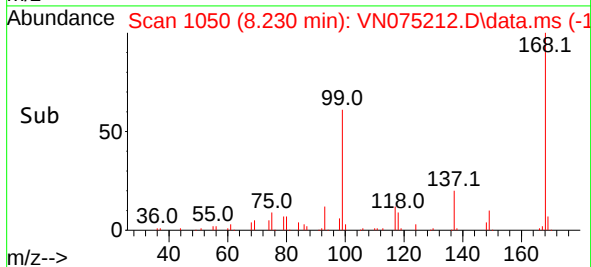
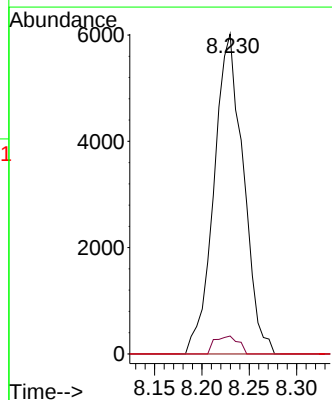
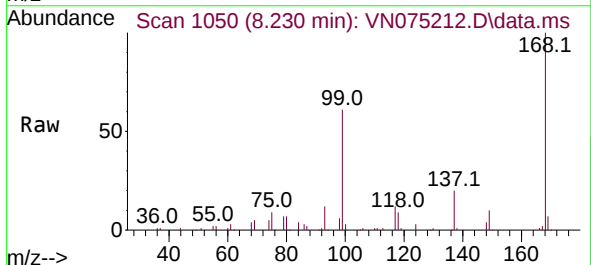


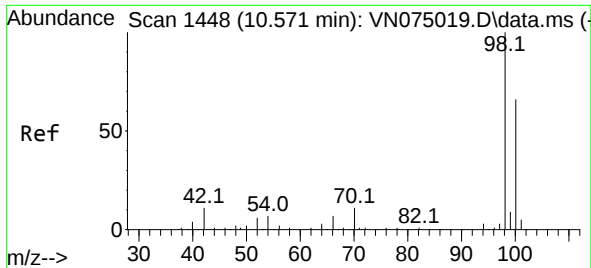
Tgt Ion: 43 Resp: 477
Ion Ratio Lower Upper
43 100
61 0.0 12.2 18.4#
70 0.0 9.4 14.2#



#38
Carbon Tetrachloride
Concen: 6.289 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN075212.D
Acq: 09 Nov 2022 12:49

Tgt Ion: 117 Resp: 12973
Ion Ratio Lower Upper
117 100
119 5.6 76.7 115.1#
121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 48.622 ug/l

RT: 10.565 min Scan# 1447

Delta R.T. -0.006 min

Lab File: VN075212.D

Acq: 09 Nov 2022 12:49

Instrument :

MSVOA_N

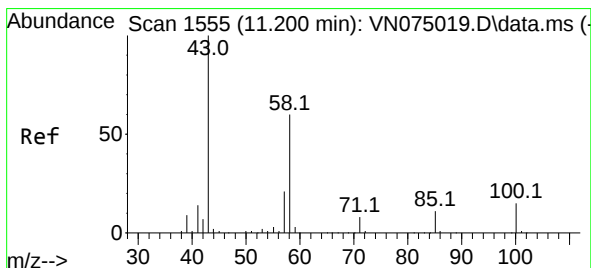
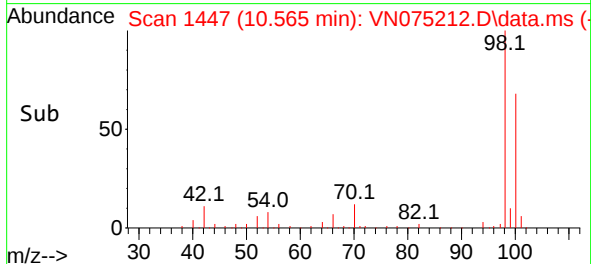
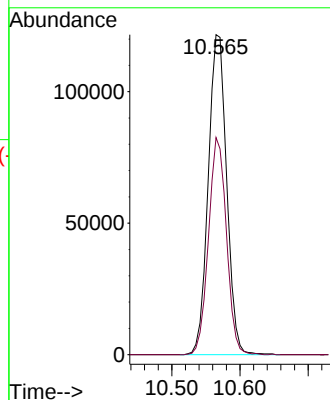
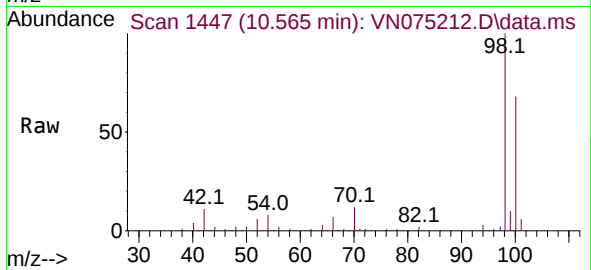
ClientSampleId :

Tgt Ion: 98 Resp: 228487

Ion Ratio Lower Upper

98 100

100 66.2 53.0 79.6



#59

2-Hexanone

Concen: 0.549 ug/l

RT: 11.194 min Scan# 1554

Delta R.T. -0.006 min

Lab File: VN075212.D

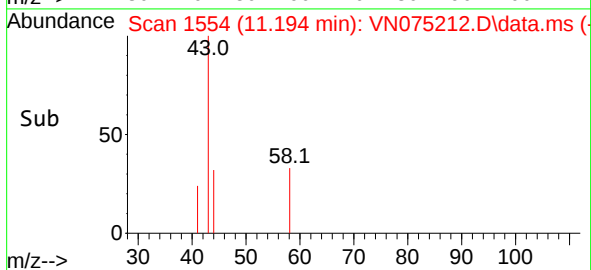
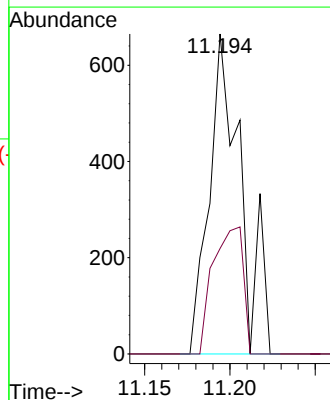
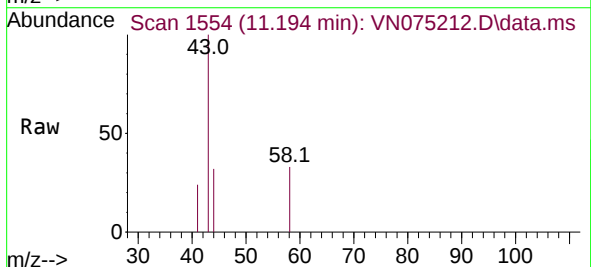
Acq: 09 Nov 2022 12:49

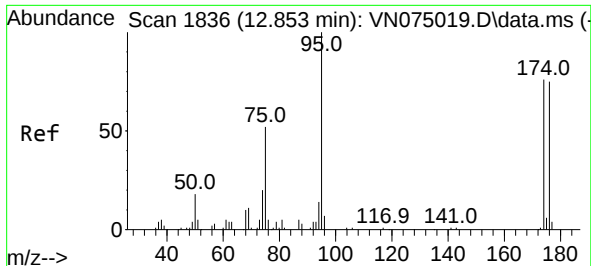
Tgt Ion: 43 Resp: 858

Ion Ratio Lower Upper

43 100

58 37.8 29.6 88.8

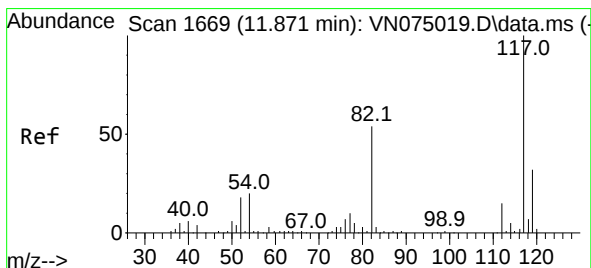
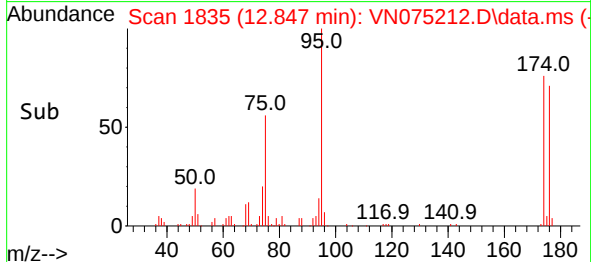
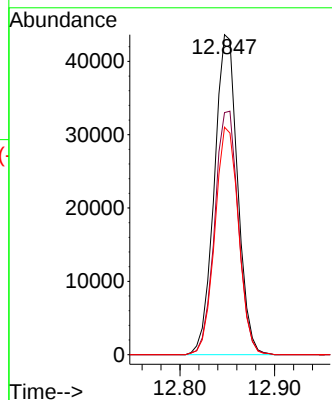
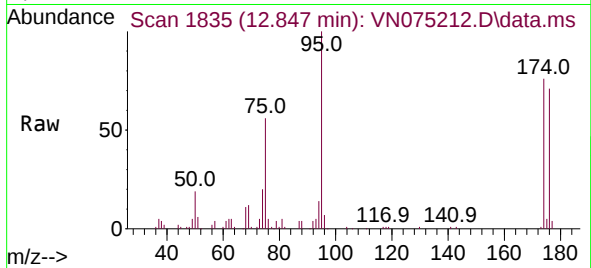




#62
4-Bromofluorobenzene
Concen: 45.270 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN075212.D
Acq: 09 Nov 2022 12:49

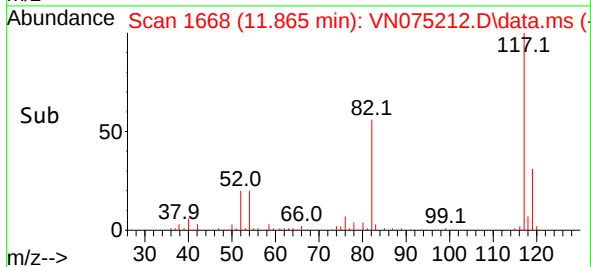
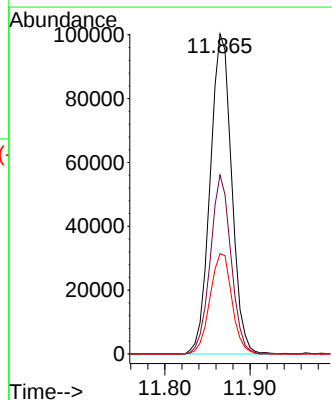
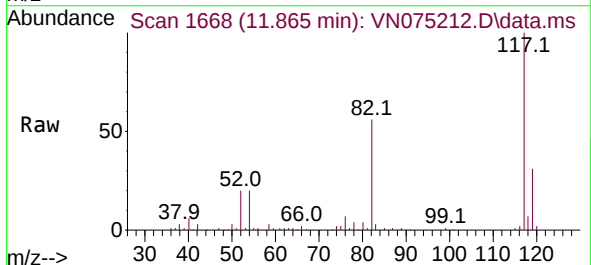
Instrument :
MSVOA_N
ClientSampleId :

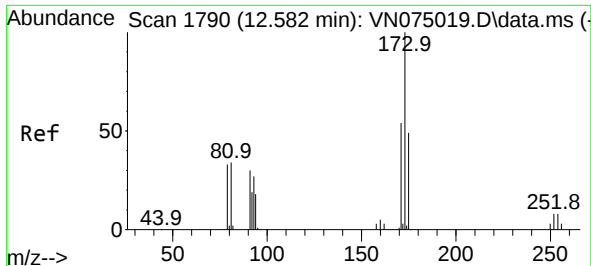
Tgt Ion: 95 Resp: 74730
Ion Ratio Lower Upper
95 100
174 77.3 0.0 147.4
176 72.1 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075212.D
Acq: 09 Nov 2022 12:49

Tgt Ion: 117 Resp: 175416
Ion Ratio Lower Upper
117 100
82 56.0 43.1 64.7
119 31.4 25.5 38.3

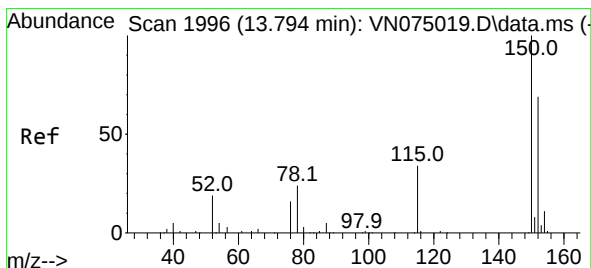
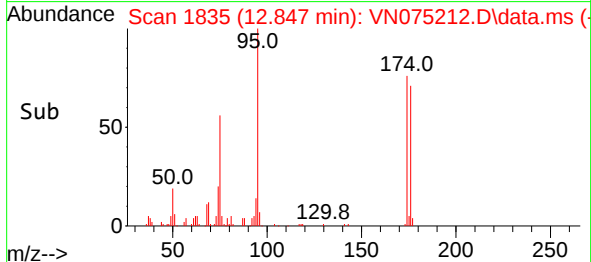
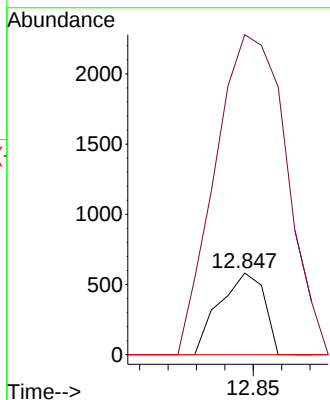
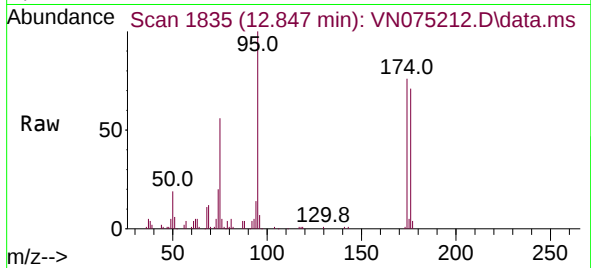




#71
Bromoform
Concen: 0.615 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN075212.D
Acq: 09 Nov 2022 12:49

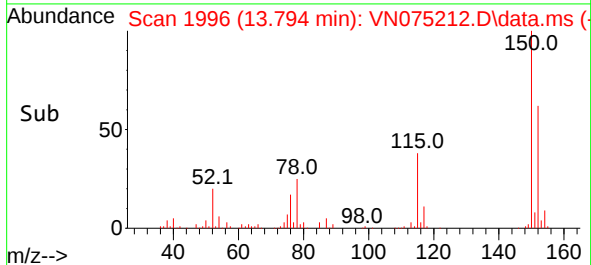
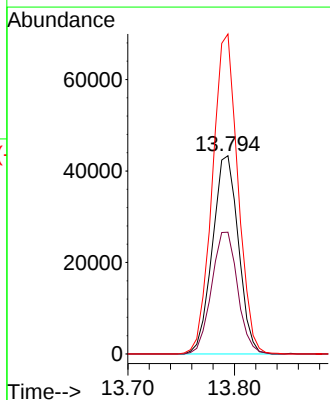
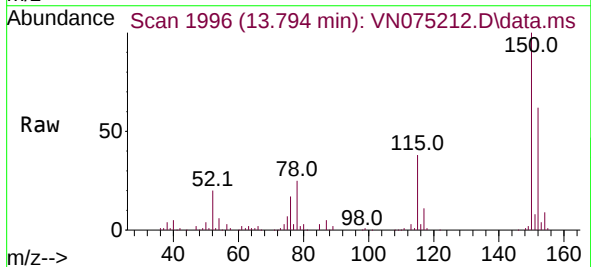
Instrument :
MSVOA_N
ClientSampleId :

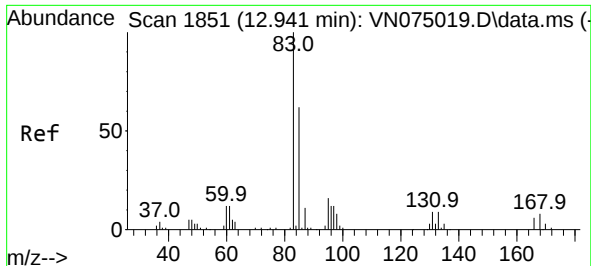
Tgt Ion:173 Resp: 640
Ion Ratio Lower Upper
173 100
175 551.9 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075212.D
Acq: 09 Nov 2022 12:49

Tgt Ion:152 Resp: 73189
Ion Ratio Lower Upper
152 100
115 61.7 30.2 90.6
150 159.0 0.0 348.4

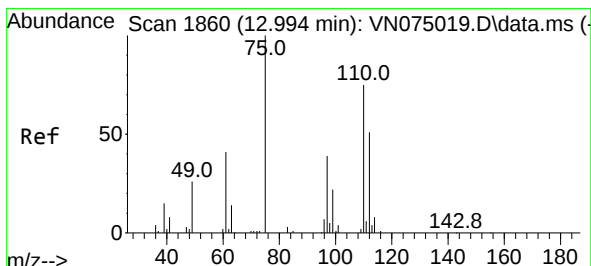
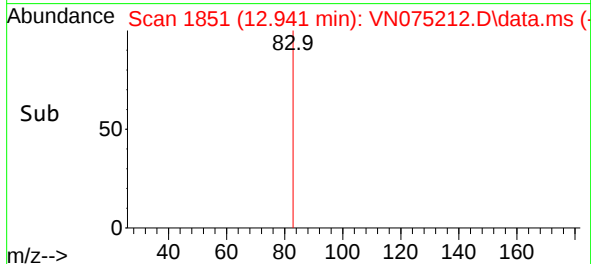
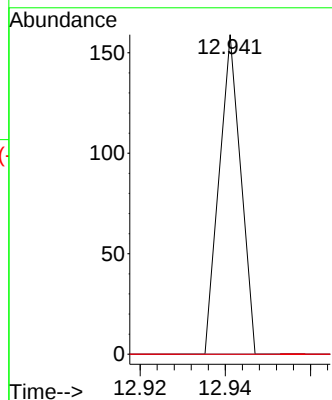
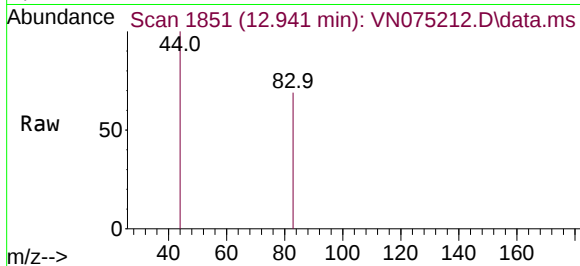




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.941 min Scan# 1835
Delta R.T. 0.000 min
Lab File: VN075212.D
Acq: 09 Nov 2022 12:49

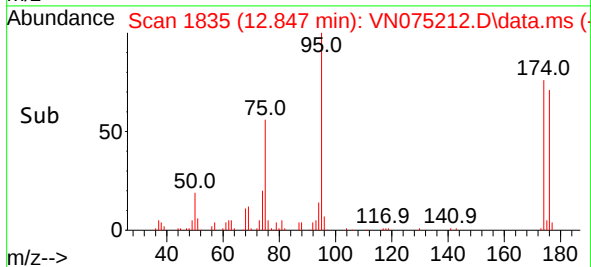
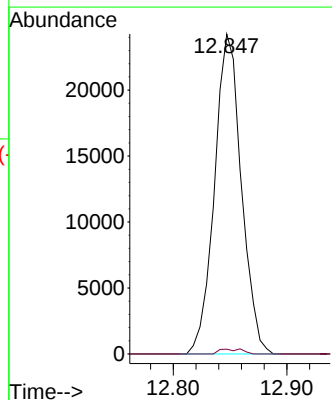
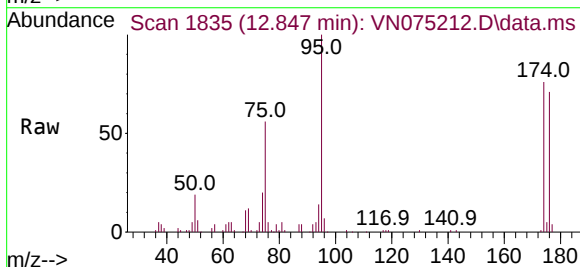
Instrument :
MSVOA_N
ClientSampleId :

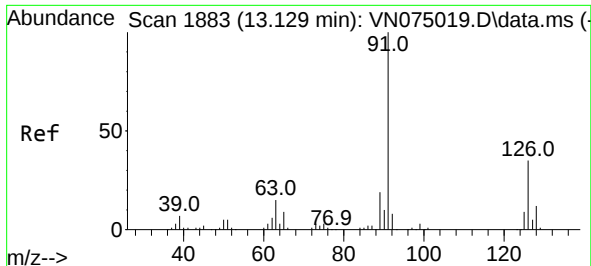
Tgt Ion: 83 Resp: 56
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.3#
85 0.0 31.6 94.7#



#76
1,2,3-Trichloropropane
Concen: 25.649 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075212.D
Acq: 09 Nov 2022 12:49

Tgt Ion: 75 Resp: 39858
Ion Ratio Lower Upper
75 100
77 1.3 75.6 226.8#

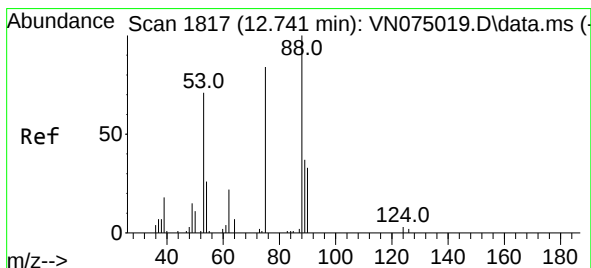
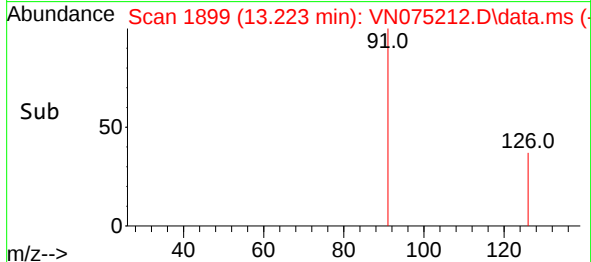
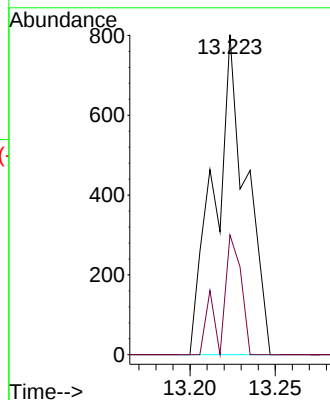
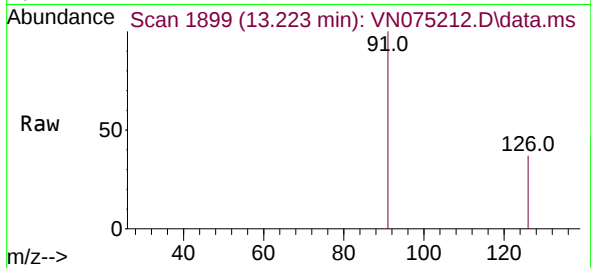




#79
2-Chlorotoluene
Concen: 0.257 ug/l
RT: 13.223 min Scan# 1899
Delta R.T. 0.094 min
Lab File: VN075212.D
Acq: 09 Nov 2022 12:49

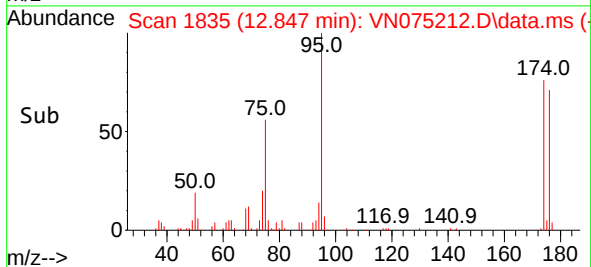
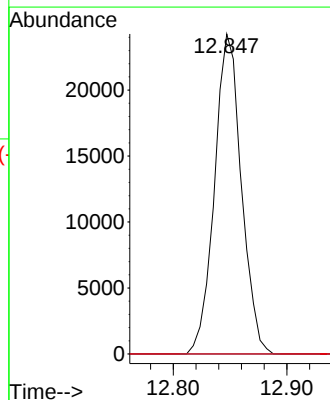
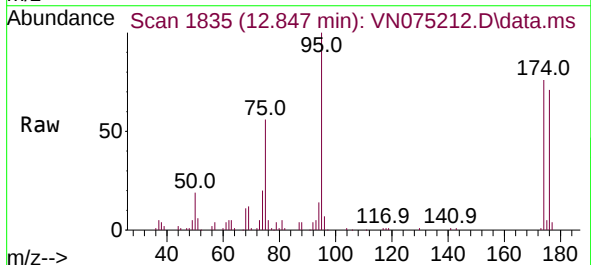
Instrument :
MSVOA_N
ClientSampleId :

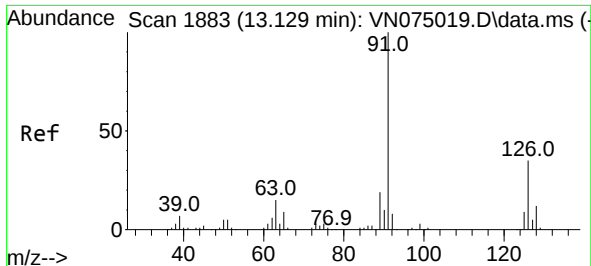
Tgt Ion: 91 Resp: 1037
Ion Ratio Lower Upper
91 100
126 23.1 16.9 50.7



#81
trans-1,4-Dichloro-2-butene
Concen: 65.840 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.106 min
Lab File: VN075212.D
Acq: 09 Nov 2022 12:49

Tgt Ion: 75 Resp: 39858
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

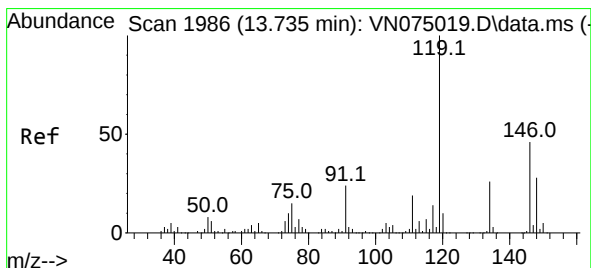
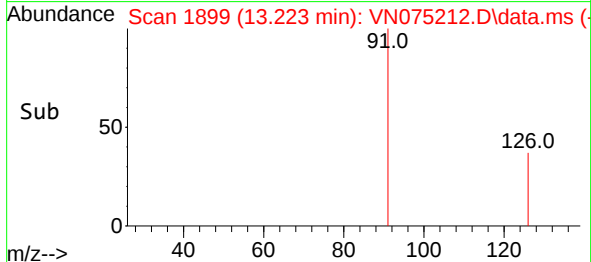
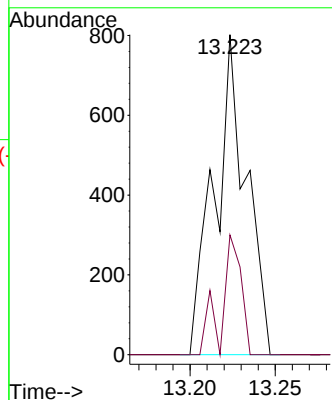
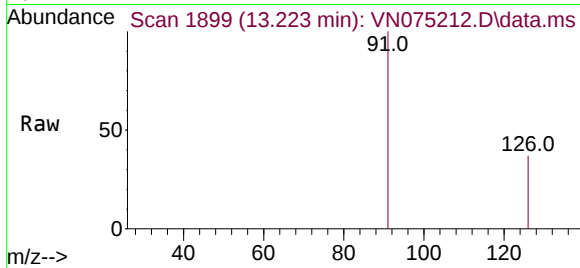




#82
4-Chlorotoluene
Concen: 0.257 ug/l
RT: 13.223 min Scan# 1889
Delta R.T. 0.094 min
Lab File: VN075212.D
Acq: 09 Nov 2022 12:49

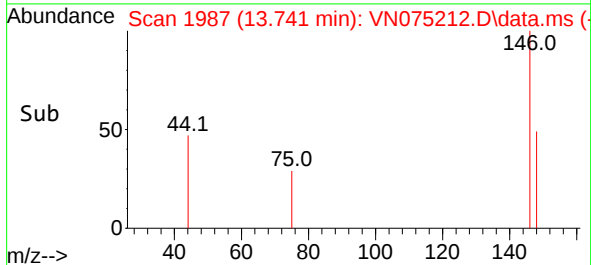
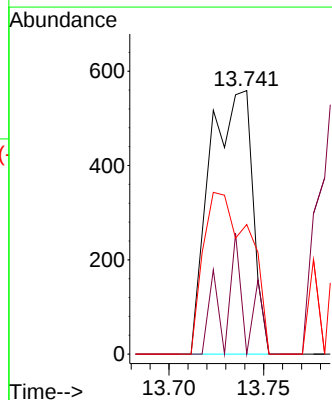
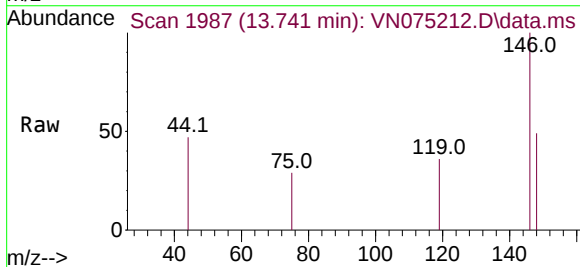
Instrument :
MSVOA_N
ClientSampleId :

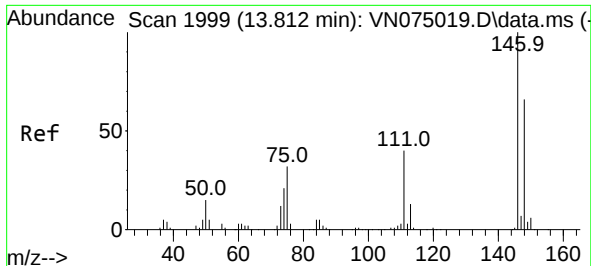
Tgt Ion: 91 Resp: 1037
Ion Ratio Lower Upper
91 100
126 23.1 16.9 50.7



#87
1,3-Dichlorobenzene
Concen: 0.345 ug/l
RT: 13.741 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN075212.D
Acq: 09 Nov 2022 12:49

Tgt Ion: 146 Resp: 875
Ion Ratio Lower Upper
146 100
111 16.7 20.8 62.5#
148 0.0 31.1 93.5#





#88

1,4-Dichlorobenzene

Concen: 0.560 ug/l

RT: 13.806 min Scan# 1999

Delta R.T. -0.006 min

Lab File: VN075212.D

Acq: 09 Nov 2022 12:49

Instrument :

MSVOA_N

ClientSampleId :

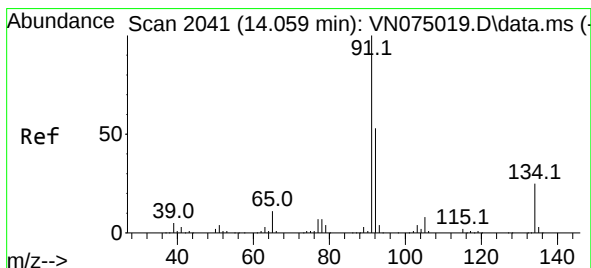
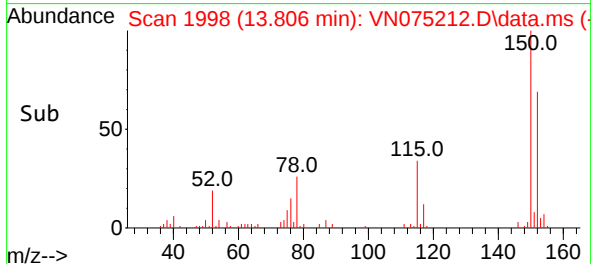
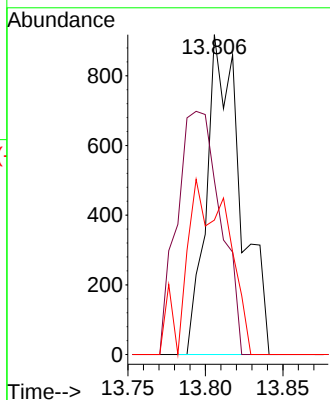
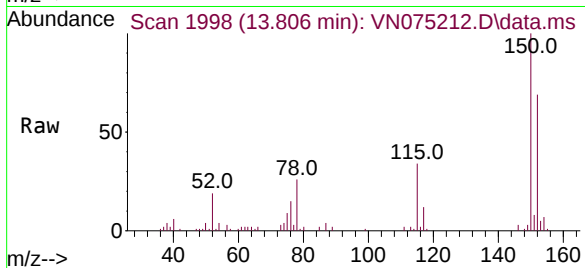
Tgt Ion:146 Resp: 1405

Ion Ratio Lower Upper

146 100

111 97.0 20.1 60.3#

148 67.1 31.9 95.7



#89

n-Butylbenzene

Concen: 0.260 ug/l

RT: 14.053 min Scan# 2040

Delta R.T. -0.006 min

Lab File: VN075212.D

Acq: 09 Nov 2022 12:49

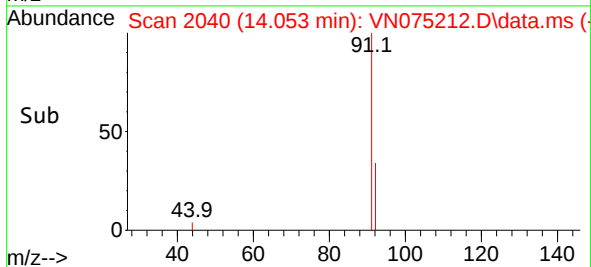
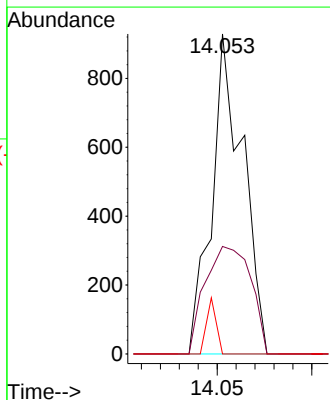
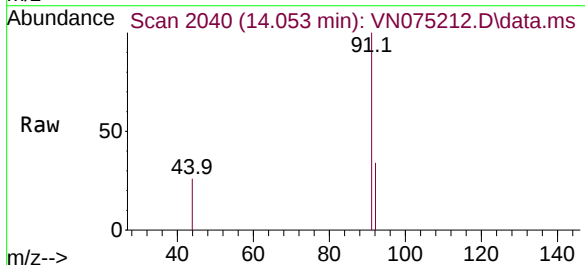
Tgt Ion: 91 Resp: 1059

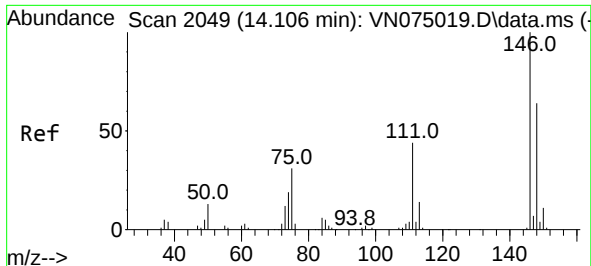
Ion Ratio Lower Upper

91 100

92 49.4 26.5 79.4

134 5.5 13.0 39.0#





#91

1,2-Dichlorobenzene

Concen: 0.299 ug/l

RT: 14.106 min Scan# 2049

Delta R.T. -0.000 min

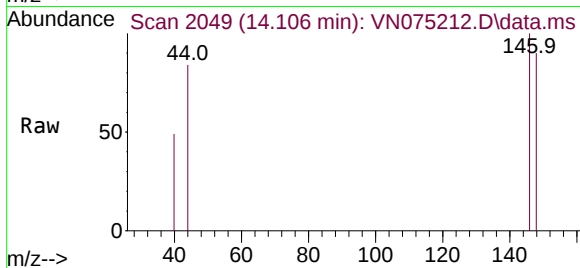
Lab File: VN075212.D

Acq: 09 Nov 2022 12:49

Instrument :

MSVOA_N

ClientSampleId :



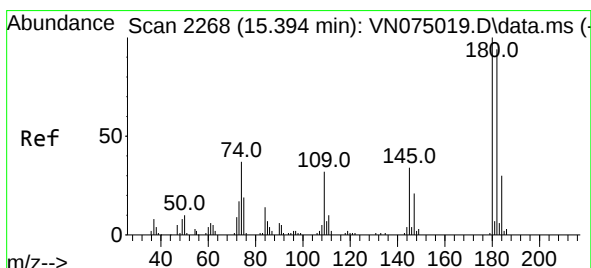
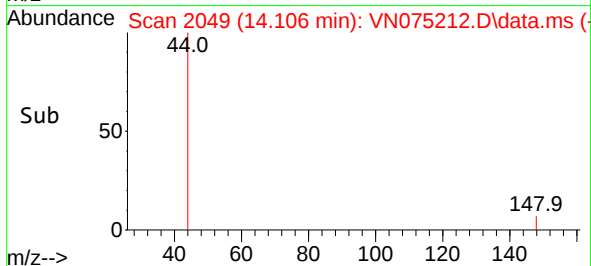
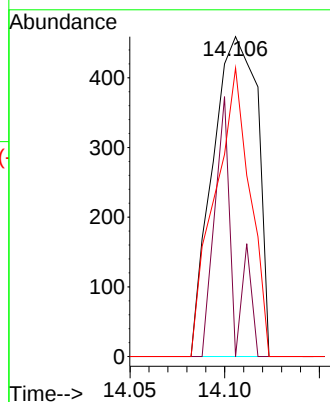
Tgt Ion:146 Resp: 754

Ion Ratio Lower Upper

146 100

111 33.7 21.3 63.9

148 71.1 31.4 94.2



#93

1,2,4-Trichlorobenzene

Concen: 1.095 ug/l

RT: 15.382 min Scan# 2266

Delta R.T. -0.012 min

Lab File: VN075212.D

Acq: 09 Nov 2022 12:49

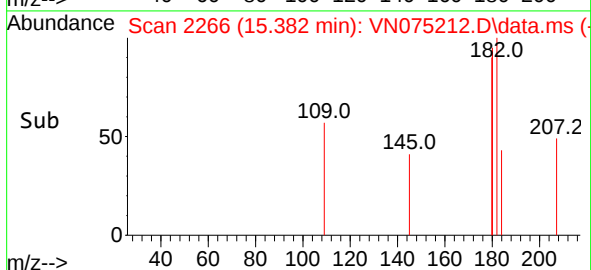
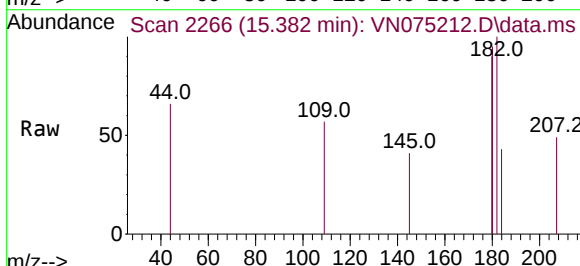
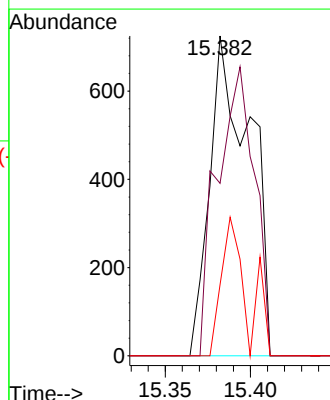
Tgt Ion:180 Resp: 1187

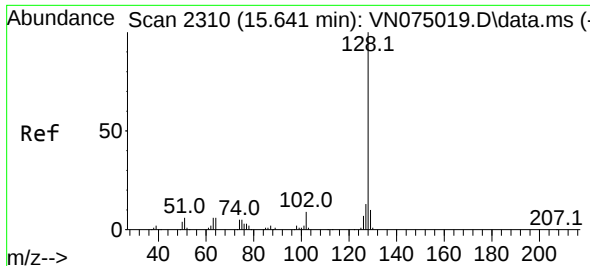
Ion Ratio Lower Upper

180 100

182 84.0 47.8 143.4

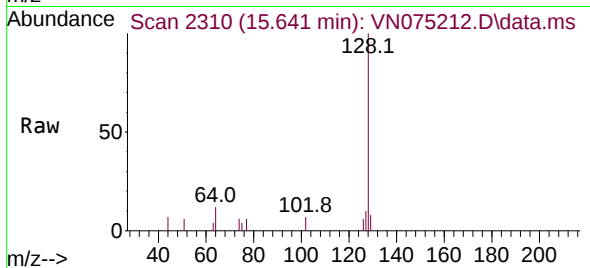
145 27.3 16.8 50.3



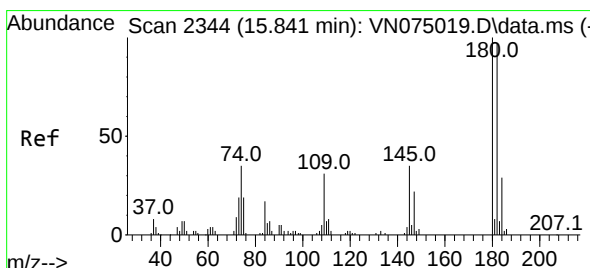
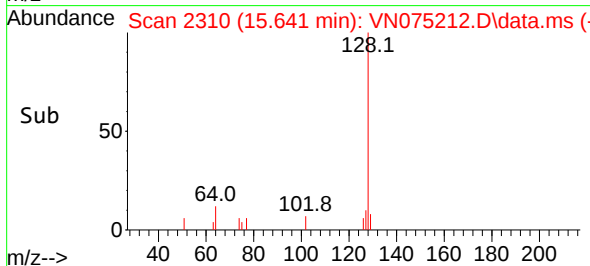
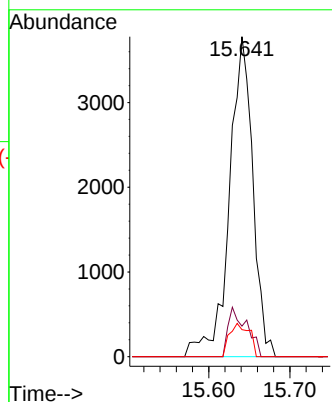


#95
Naphthalene
Concen: 1.823 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN075212.D
Acq: 09 Nov 2022 12:49

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 7595
Ion Ratio Lower Upper
128 100
127 12.2 10.4 15.6
129 8.8 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 1.393 ug/l
RT: 15.835 min Scan# 2343
Delta R.T. -0.006 min
Lab File: VN075212.D
Acq: 09 Nov 2022 12:49

Tgt Ion:180 Resp: 1500
Ion Ratio Lower Upper
180 100
182 76.5 47.3 141.8
145 25.4 17.6 52.9

