

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111122\
 Data File : VN075253.D
 Acq On : 11 Nov 2022 17:17
 Operator : JC\MD
 Sample : N5530-09ME
 Misc : 5.09g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-09ME

Quant Time: Nov 14 03:48:16 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)

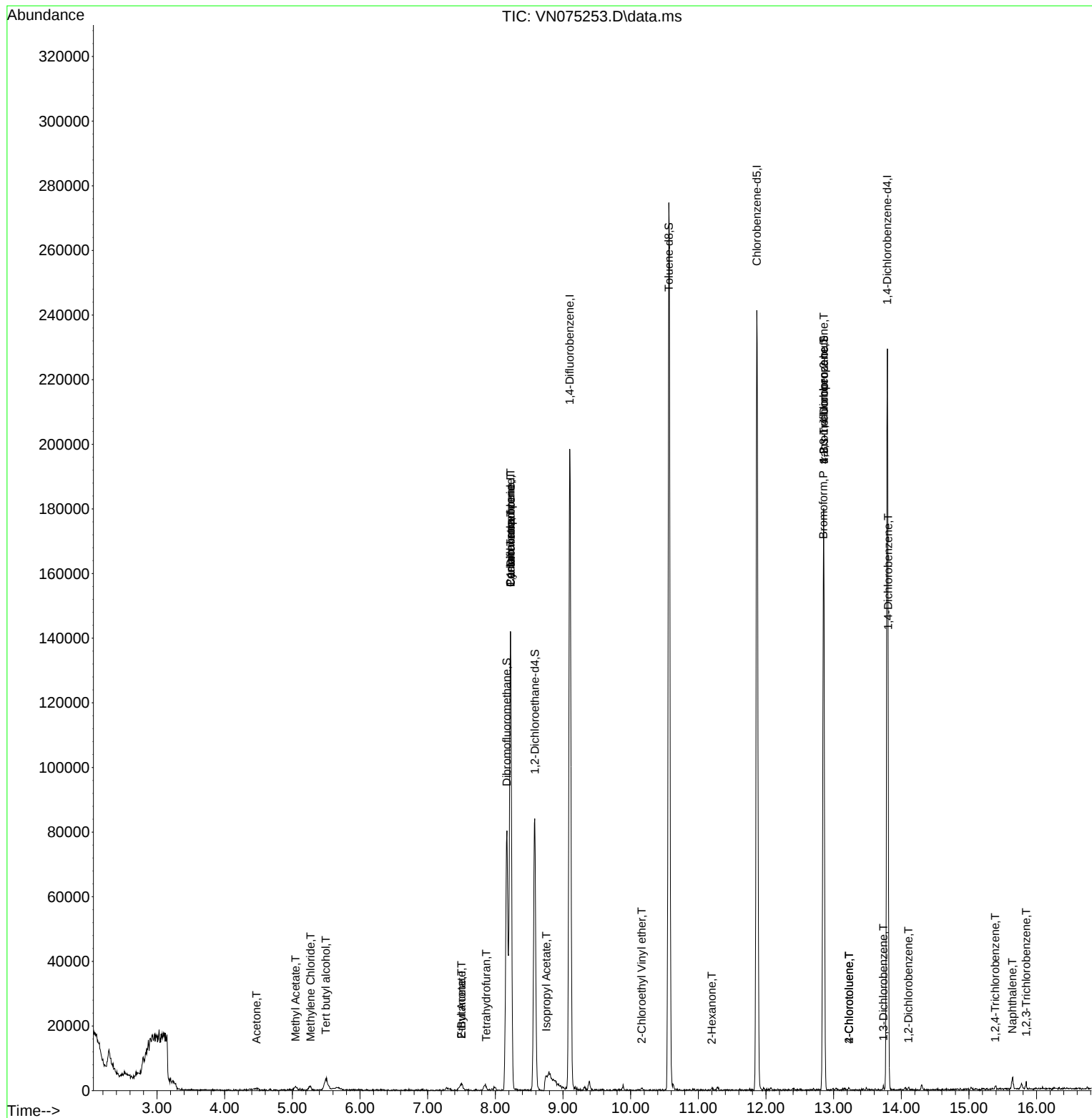
Internal Standards						
1) Pentafluorobenzene	8.224	168	102347	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	184803	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	149074	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	61809	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	67767	49.142	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.280%
35) Dibromofluoromethane	8.171	113	57454	52.959	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.920%
50) Toluene-d8	10.565	98	195499	46.447	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.900%
62) 4-Bromofluorobenzene	12.853	95	61543	41.623	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	83.240%
Target Compounds						
					Qvalue	
5) Bromomethane	2.906	94	558	Below Cal		95
11) Tert butyl alcohol	5.494	59	3693	11.484	ug/l #	72
16) Acetone	4.471	43	310	0.531	ug/l #	52
18) Methyl Acetate	5.047	43	2412	1.265	ug/l	100
20) Methylene Chloride	5.271	84	448	0.344	ug/l #	79
25) 2-Butanone	7.500	43	1866	2.032	ug/l	100
29) Tetrahydrofuran	7.865	42	573	0.965	ug/l #	61
31) Cyclohexane	8.224	56	2252	1.098	ug/l #	38
36) 1,1-Dichloropropene	8.224	75	8093	4.818	ug/l #	52
37) Ethyl Acetate	7.500	43	1866	1.013	ug/l #	70
38) Carbon Tetrachloride	8.224	117	10592	5.733	ug/l #	17
43) Isopropyl Acetate	8.753	43	3655	1.279	ug/l #	53
58) 2-Chloroethyl Vinyl ether	10.165	63	377	0.469	ug/l #	44
59) 2-Hexanone	11.200	43	522	0.373	ug/l	65
71) Bromoform	12.847	173	503	0.569	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	32454	24.729	ug/l #	1
79) 2-Chlorotoluene	13.229	91	687	0.202	ug/l	90
81) trans-1,4-Dichloro-2-b...	12.853	75	32454	63.480	ug/l #	10
82) 4-Chlorotoluene	13.229	91	687	0.202	ug/l	90
87) 1,3-Dichlorobenzene	13.735	146	515	0.241	ug/l #	63
88) 1,4-Dichlorobenzene	13.806	146	711	0.336	ug/l #	2
91) 1,2-Dichlorobenzene	14.106	146	456	0.214	ug/l	83
93) 1,2,4-Trichlorobenzene	15.388	180	670	0.732	ug/l #	74
95) Naphthalene	15.641	128	3921	1.114	ug/l	97
96) 1,2,3-Trichlorobenzene	15.847	180	765	0.841	ug/l #	65

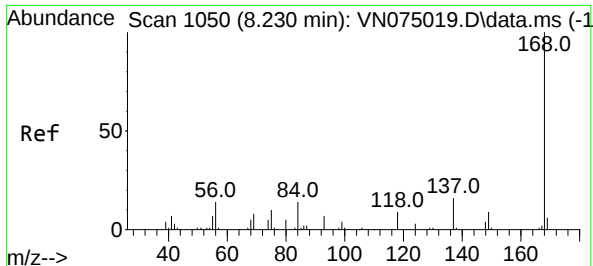
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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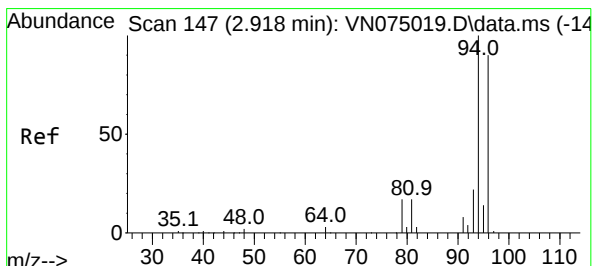
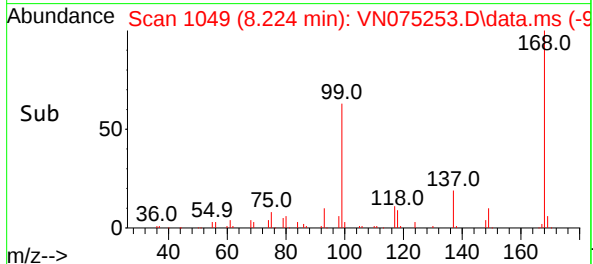
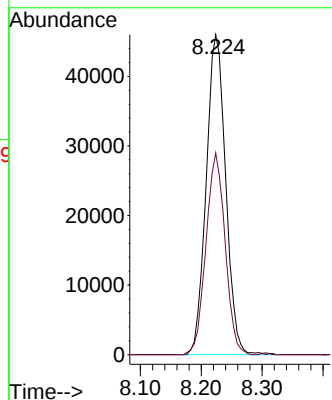
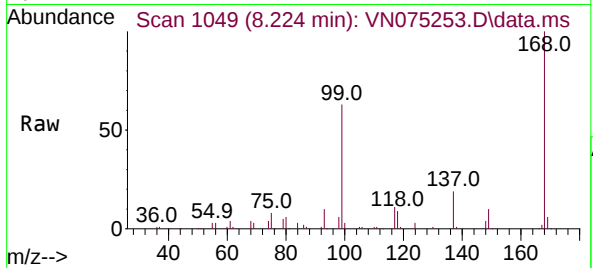




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN075253.D
Acq: 11 Nov 2022 17:17

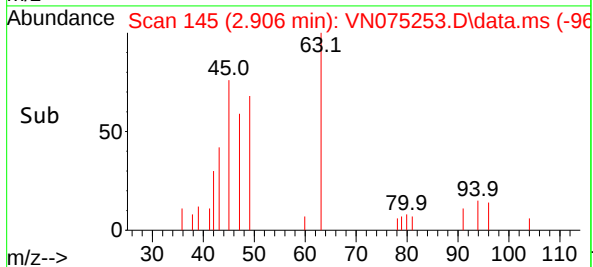
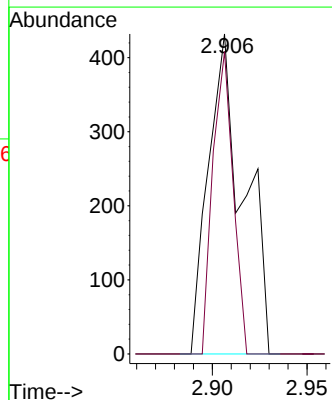
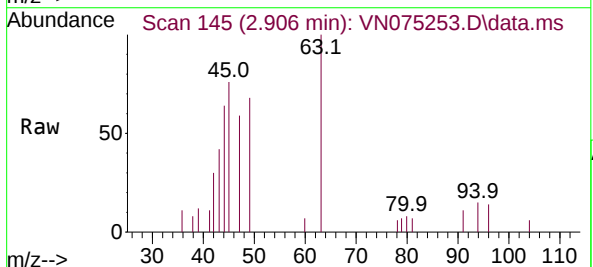
Instrument :
MSVOA_N
ClientSampleId :
SB-09ME

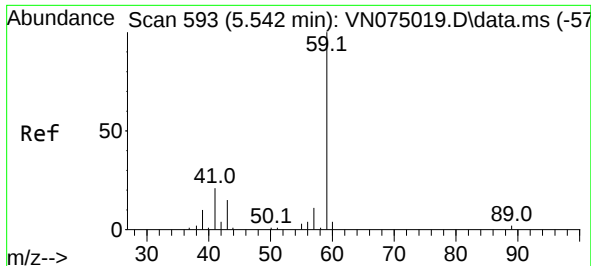
Tgt Ion:168 Resp: 102347
Ion Ratio Lower Upper
168 100
99 63.0 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.906 min Scan# 145
Delta R.T. -0.012 min
Lab File: VN075253.D
Acq: 11 Nov 2022 17:17

Tgt Ion: 94 Resp: 558
Ion Ratio Lower Upper
94 100
96 94.4 71.8 107.6

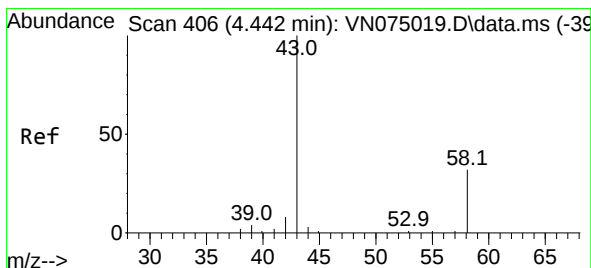
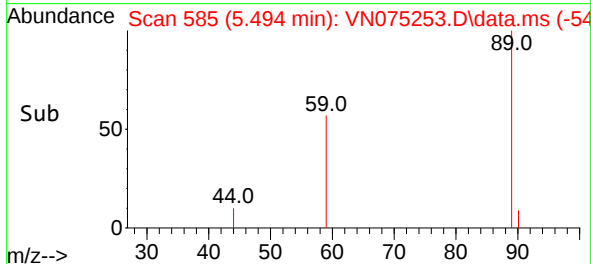
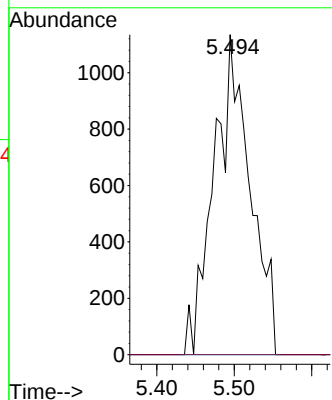
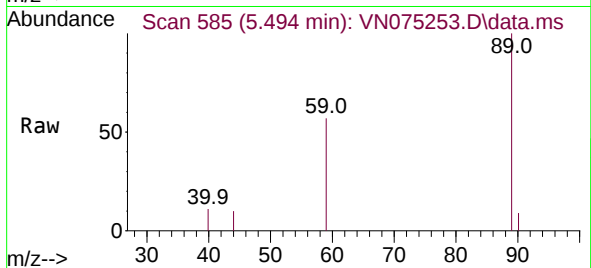




#11
Tert butyl alcohol
Concen: 11.484 ug/l
RT: 5.494 min Scan# 51
Delta R.T. -0.048 min
Lab File: VN075253.D
Acq: 11 Nov 2022 17:17

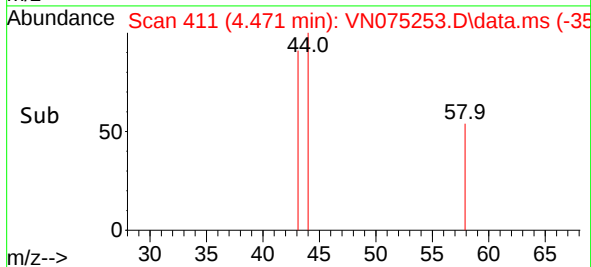
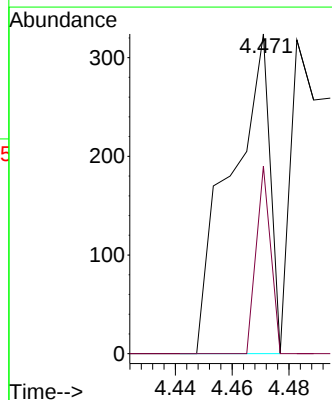
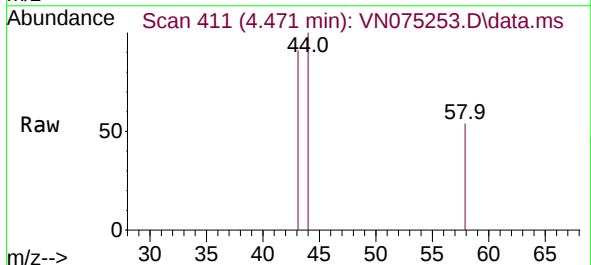
Instrument :
MSVOA_N
ClientSampleId :
SB-09ME

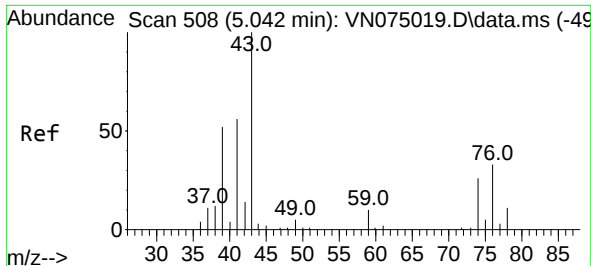
Tgt Ion: 59 Resp: 3693
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 0.531 ug/l
RT: 4.471 min Scan# 411
Delta R.T. 0.029 min
Lab File: VN075253.D
Acq: 11 Nov 2022 17:17

Tgt Ion: 43 Resp: 310
Ion Ratio Lower Upper
43 100
58 58.6 25.5 38.3#

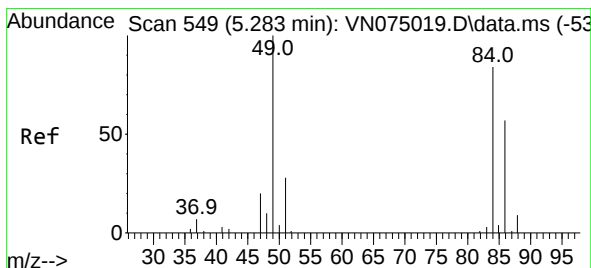
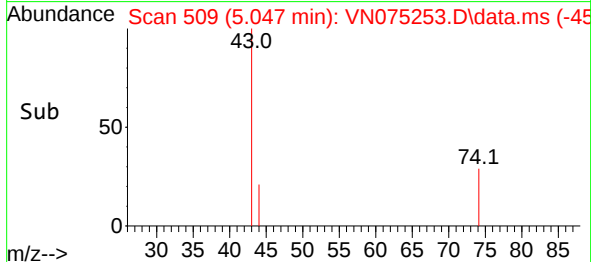
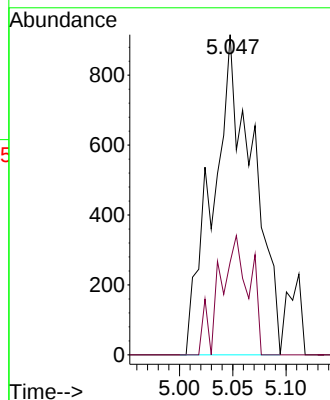
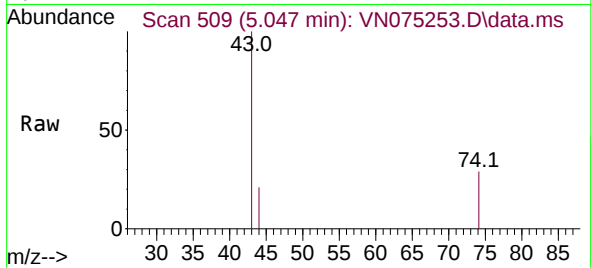




#18
Methyl Acetate
Concen: 1.265 ug/l
RT: 5.047 min Scan# 508
Delta R.T. 0.005 min
Lab File: VN075253.D
Acq: 11 Nov 2022 17:17

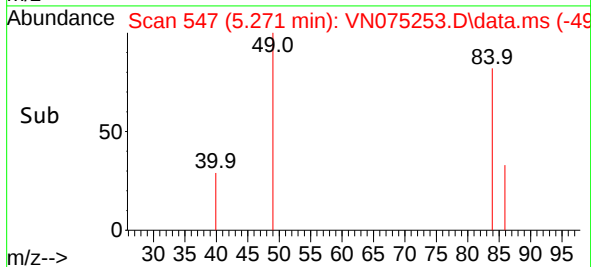
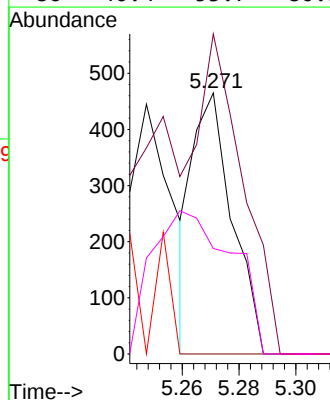
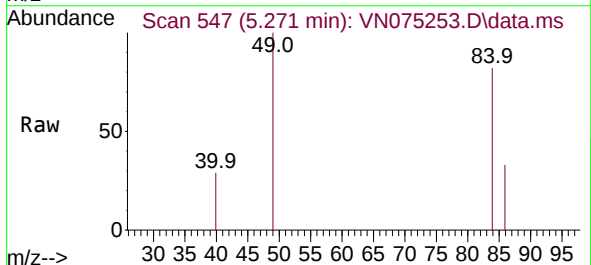
Instrument :
MSVOA_N
ClientSampleId :
SB-09ME

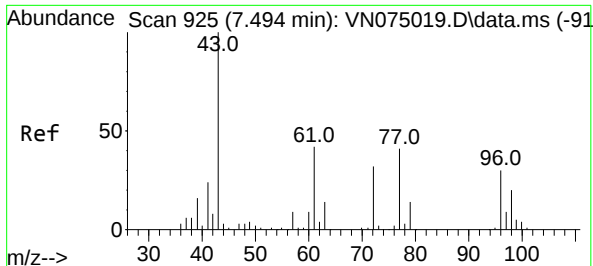
Tgt Ion: 43 Resp: 2412
Ion Ratio Lower Upper
43 100
74 27.4 22.0 33.0



#20
Methylene Chloride
Concen: 0.344 ug/l
RT: 5.271 min Scan# 547
Delta R.T. -0.012 min
Lab File: VN075253.D
Acq: 11 Nov 2022 17:17

Tgt Ion: 84 Resp: 448
Ion Ratio Lower Upper
84 100
49 122.6 94.9 142.3
51 0.0 26.8 40.2#
86 40.4 53.7 80.5#





#25

2-Butanone

Concen: 2.032 ug/l

RT: 7.500 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN075253.D

Acq: 11 Nov 2022 17:17

Instrument :

MSVOA_N

ClientSampleId :

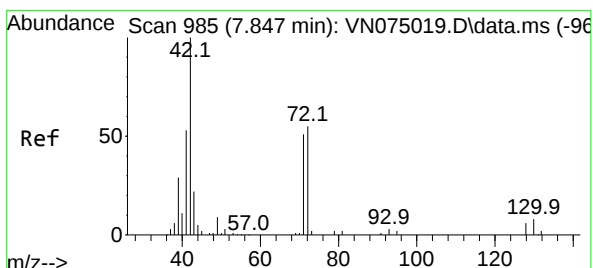
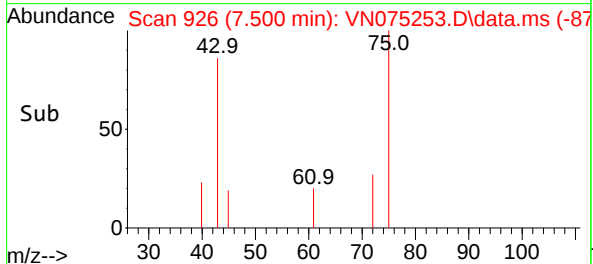
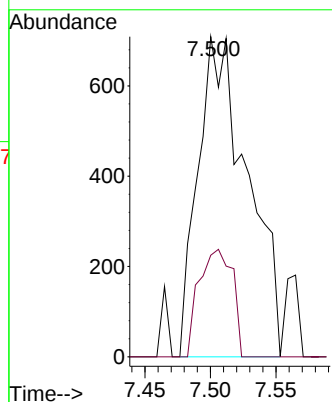
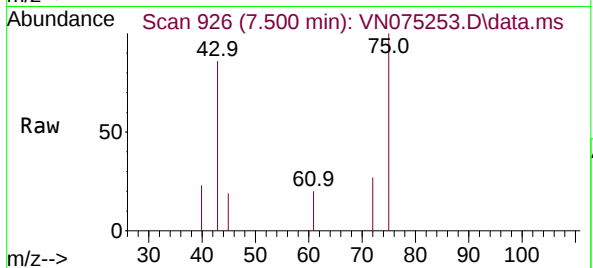
SB-09ME

Tgt Ion: 43 Resp: 1866

Ion Ratio Lower Upper

43 100

72 31.7 25.5 38.3



#29

Tetrahydrofuran

Concen: 0.965 ug/l

RT: 7.865 min Scan# 988

Delta R.T. 0.018 min

Lab File: VN075253.D

Acq: 11 Nov 2022 17:17

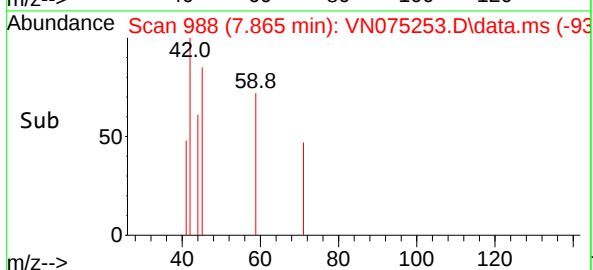
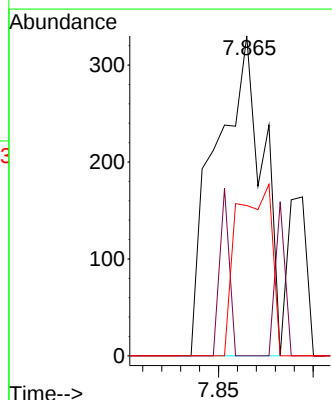
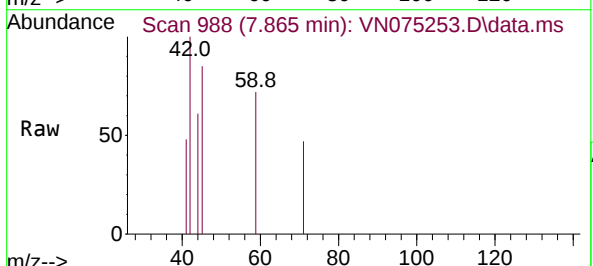
Tgt Ion: 42 Resp: 573

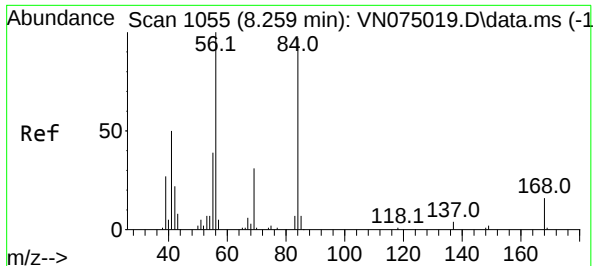
Ion Ratio Lower Upper

42 100

72 9.8 43.0 64.6#

71 39.4 39.9 59.9#

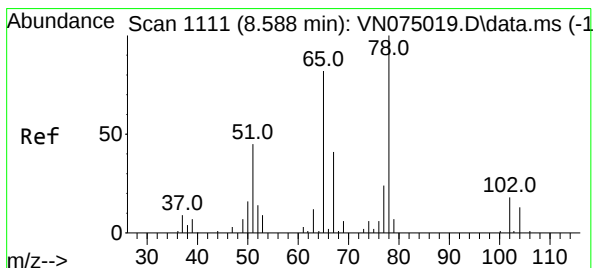
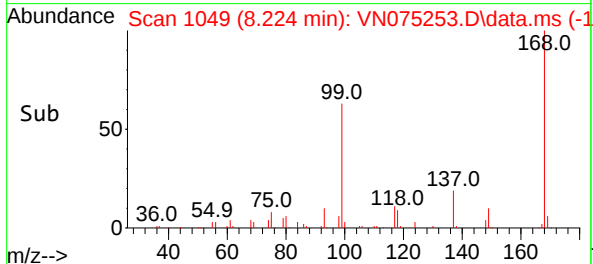
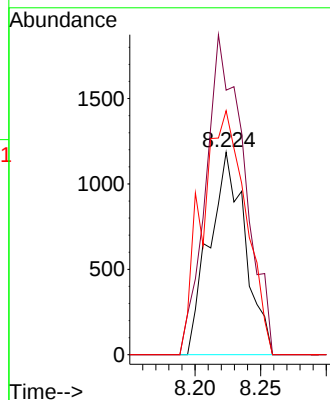
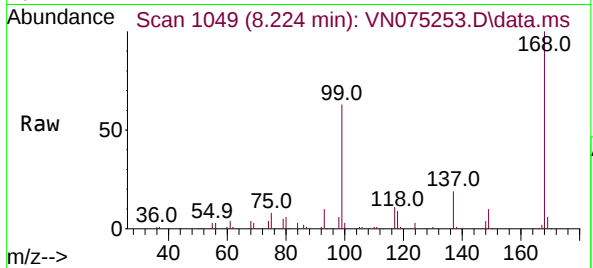




#31
Cyclohexane
Concen: 1.098 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075253.D
Acq: 11 Nov 2022 17:17

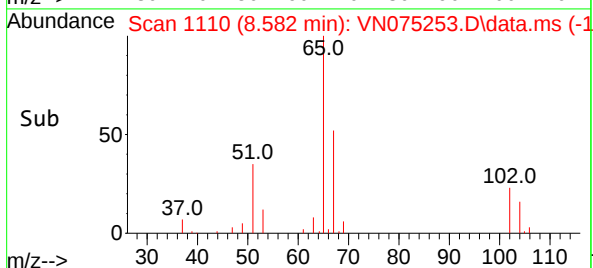
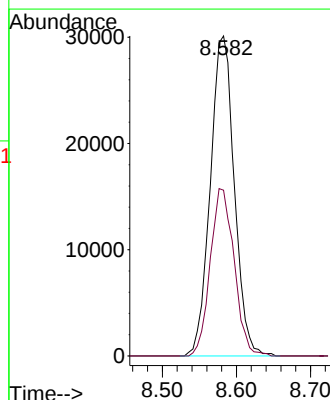
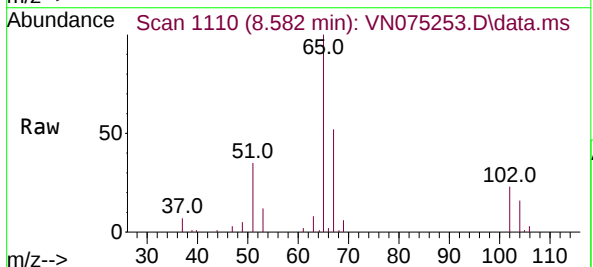
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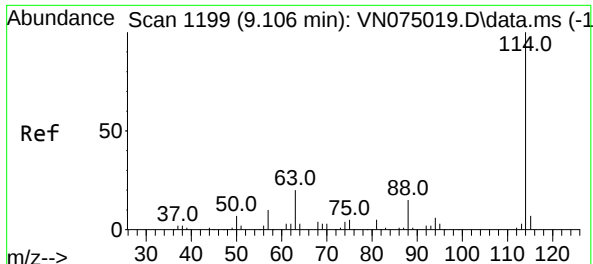
Tgt Ion: 56 Resp: 2252
Ion Ratio Lower Upper
56 100
69 130.7 25.2 37.8#
84 120.6 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 49.142 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.005 min
Lab File: VN075253.D
Acq: 11 Nov 2022 17:17

Tgt Ion: 65 Resp: 67767
Ion Ratio Lower Upper
65 100
67 52.1 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1199

Delta R.T. -0.006 min

Lab File: VN075253.D

Acq: 11 Nov 2022 17:17

Instrument :

MSVOA_N

ClientSampleId :

SB-09ME

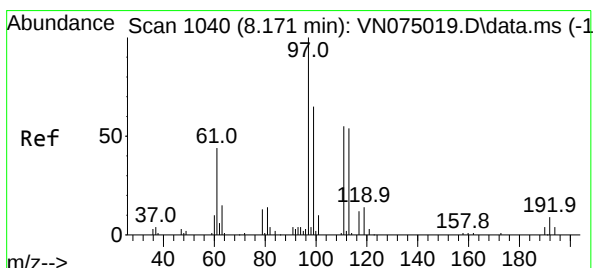
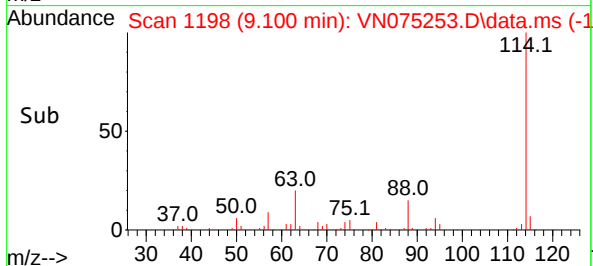
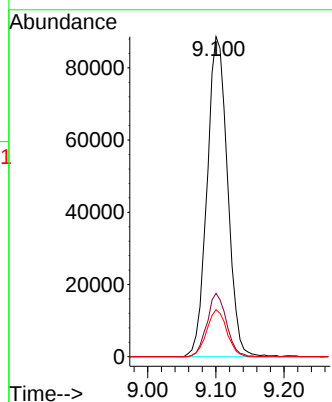
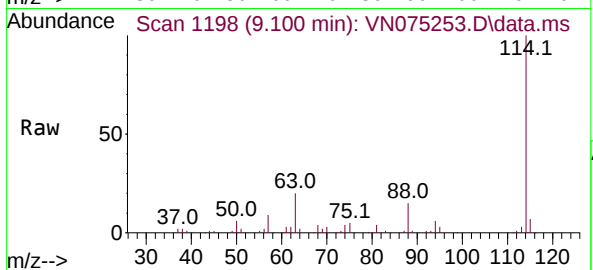
Tgt Ion:114 Resp: 184803

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.6

88 14.7 0.0 29.0



#35

Dibromofluoromethane

Concen: 52.959 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075253.D

Acq: 11 Nov 2022 17:17

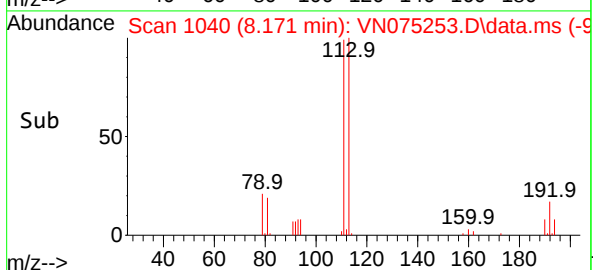
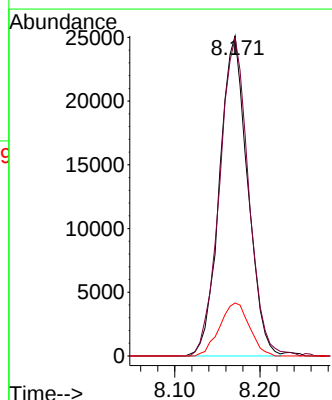
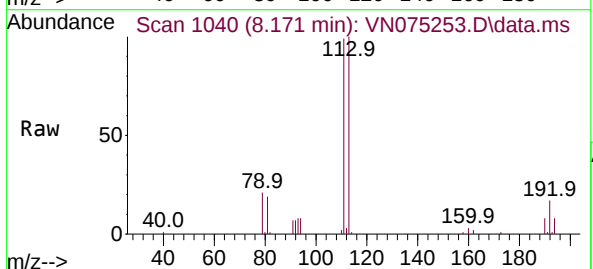
Tgt Ion:113 Resp: 57454

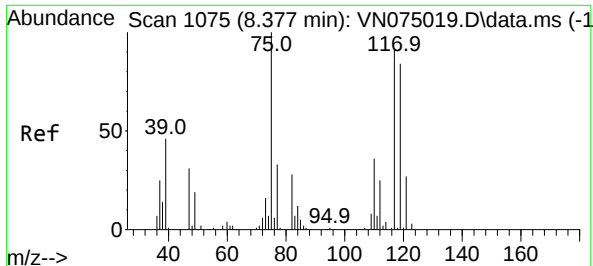
Ion Ratio Lower Upper

113 100

111 102.6 80.5 120.7

192 17.6 13.2 19.8





#36

1,1-Dichloropropene

Concen: 4.818 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.153 min

Lab File: VN075253.D

Acq: 11 Nov 2022 17:17

Instrument :

MSVOA_N

ClientSampleId :

SB-09ME

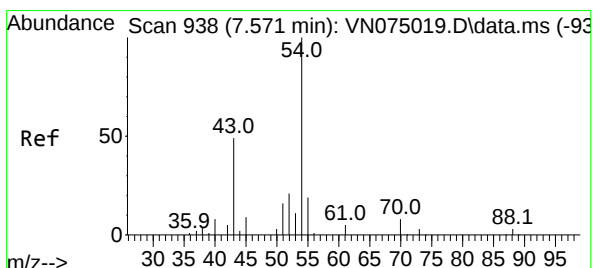
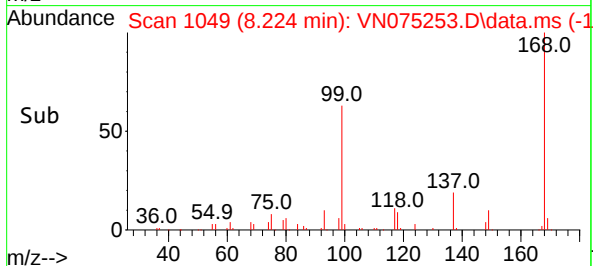
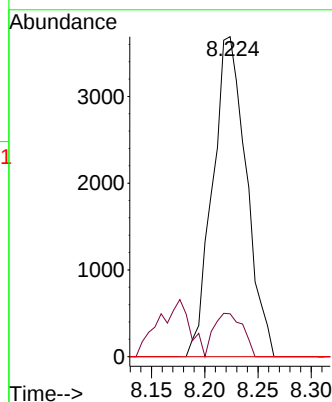
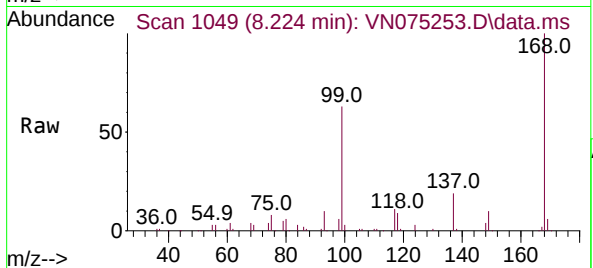
Tgt Ion: 75 Resp: 8093

Ion Ratio Lower Upper

75 100

110 11.7 17.8 53.3#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 1.013 ug/l

RT: 7.500 min Scan# 926

Delta R.T. -0.071 min

Lab File: VN075253.D

Acq: 11 Nov 2022 17:17

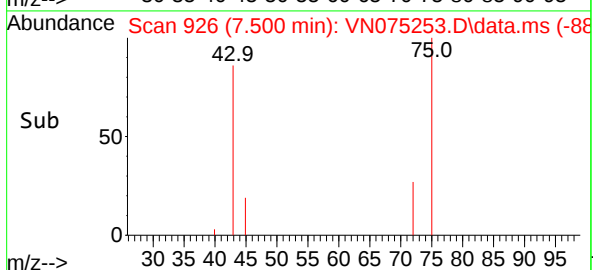
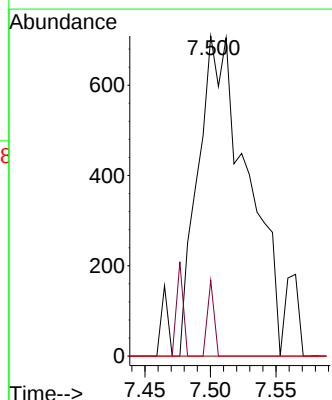
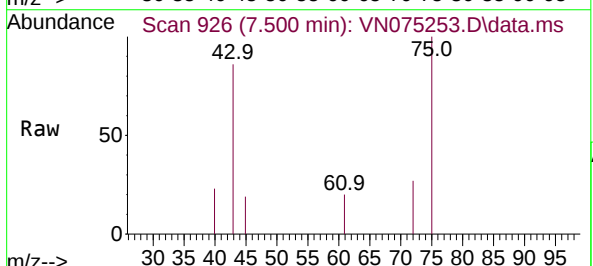
Tgt Ion: 43 Resp: 1866

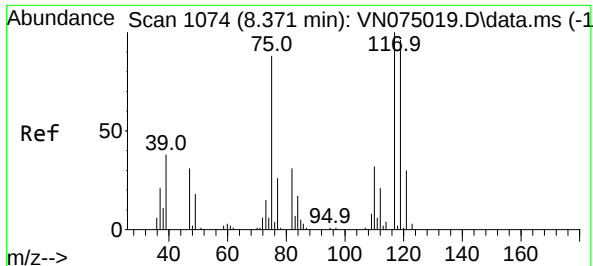
Ion Ratio Lower Upper

43 100

61 3.2 12.2 18.4#

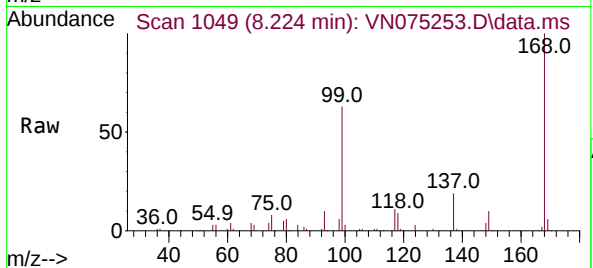
70 0.0 9.4 14.2#



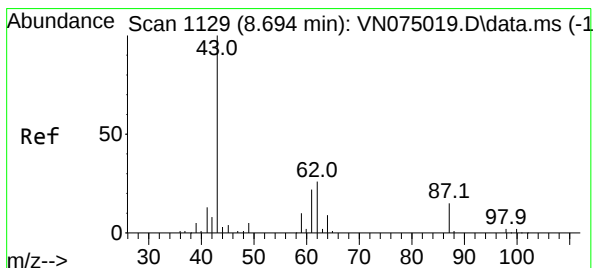
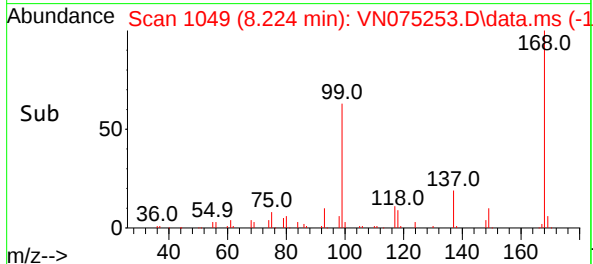
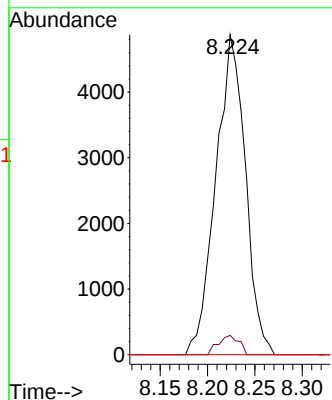


#38
Carbon Tetrachloride
Concen: 5.733 ug/l
RT: 8.224 min Scan# 1107
Delta R.T. -0.147 min
Lab File: VN075253.D
Acq: 11 Nov 2022 17:17

Instrument :
MSVOA_N
ClientSampleId :
SB-09ME

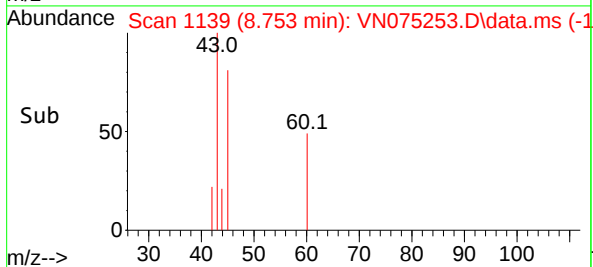
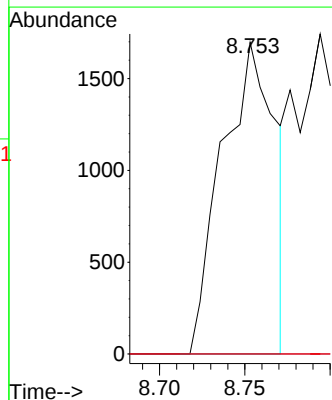
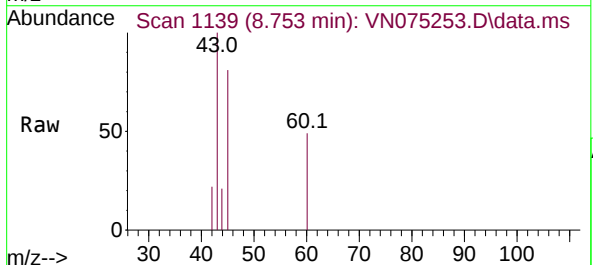


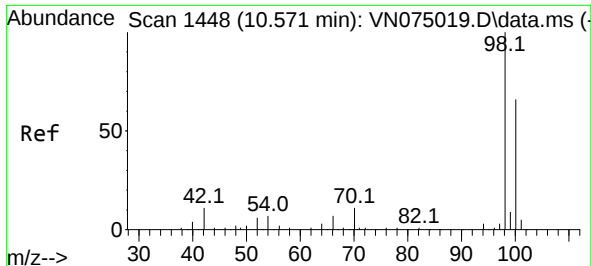
Tgt Ion:117 Resp: 10592
Ion Ratio Lower Upper
117 100
119 6.1 76.7 115.1#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 1.279 ug/l
RT: 8.753 min Scan# 1139
Delta R.T. 0.059 min
Lab File: VN075253.D
Acq: 11 Nov 2022 17:17

Tgt Ion: 43 Resp: 3655
Ion Ratio Lower Upper
43 100
61 0.0 22.4 33.6#
87 0.0 12.5 18.7#

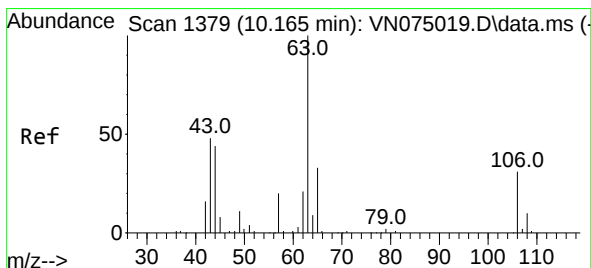
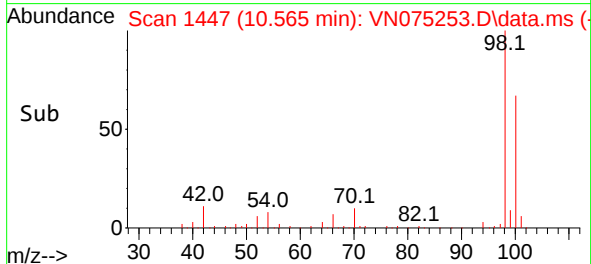
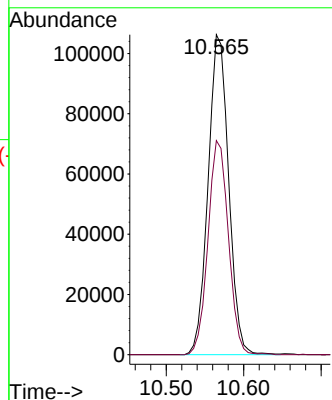
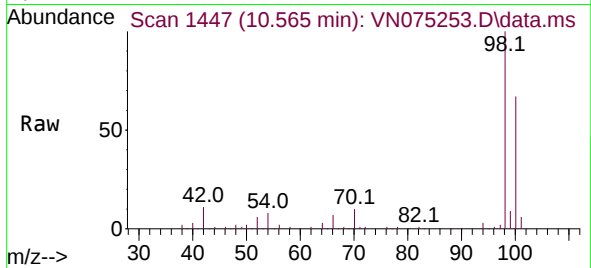




#50
Toluene-d8
Concen: 46.447 ug/l
RT: 10.565 min Scan# 1448
Delta R.T. -0.006 min
Lab File: VN075253.D
Acq: 11 Nov 2022 17:17

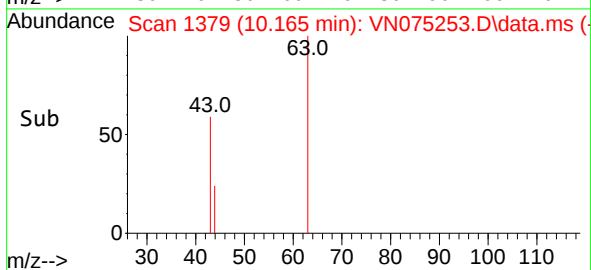
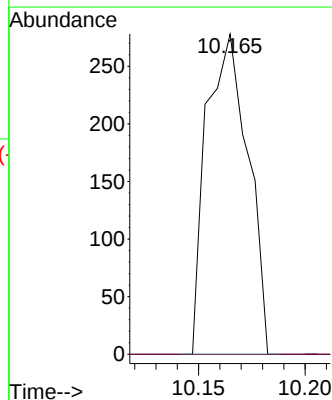
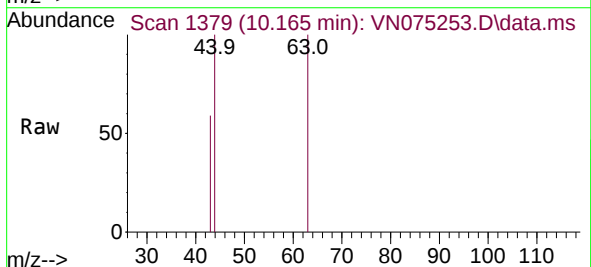
Instrument :
MSVOA_N
ClientSampleId :
SB-09ME

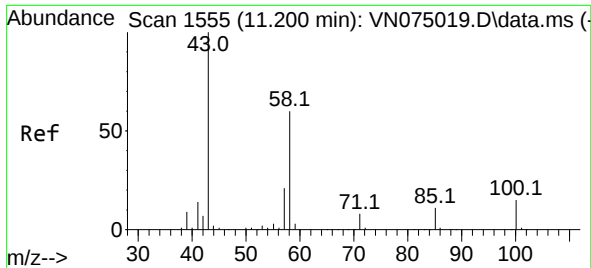
Tgt Ion: 98 Resp: 195499
Ion Ratio Lower Upper
98 100
100 66.5 53.0 79.6



#58
2-Chloroethyl Vinyl ether
Concen: 0.469 ug/l
RT: 10.165 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VN075253.D
Acq: 11 Nov 2022 17:17

Tgt Ion: 63 Resp: 377
Ion Ratio Lower Upper
63 100
106 0.0 24.8 37.2#

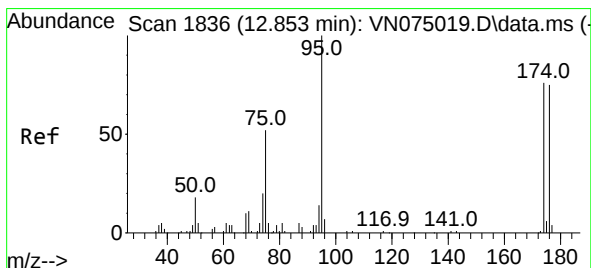
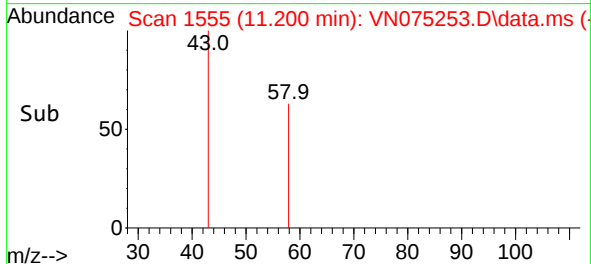
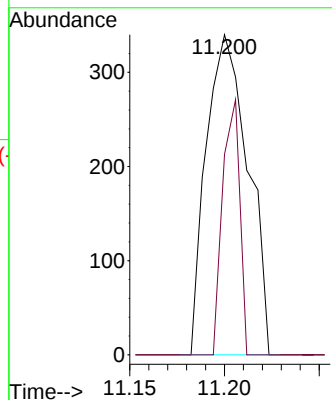
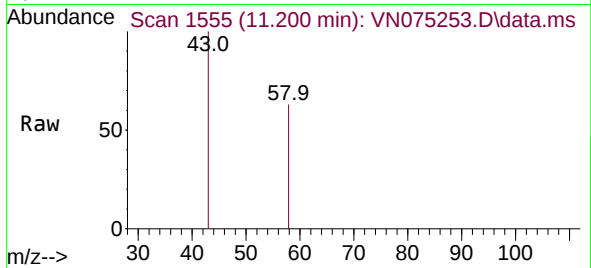




#59
2-Hexanone
Concen: 0.373 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN075253.D
Acq: 11 Nov 2022 17:17

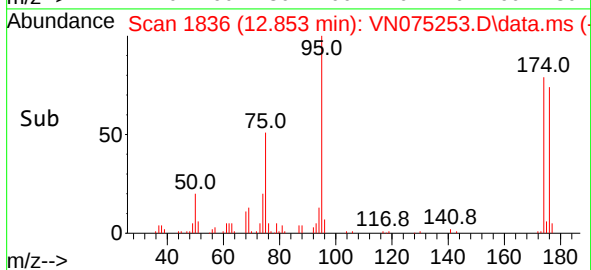
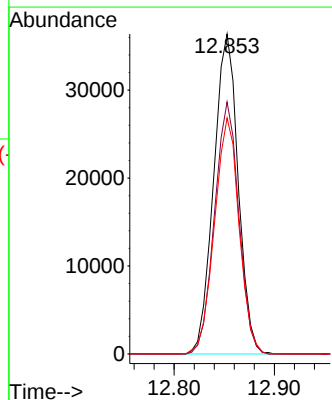
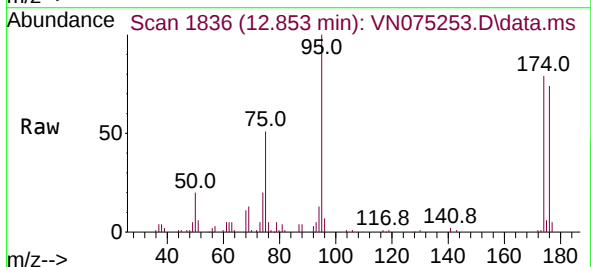
Instrument :
MSVOA_N
ClientSampleId :
SB-09ME

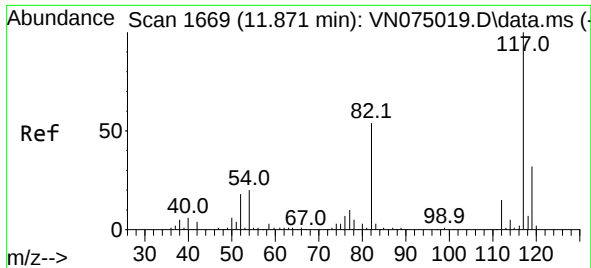
Tgt Ion: 43 Resp: 522
Ion Ratio Lower Upper
43 100
58 32.8 29.6 88.8



#62
4-Bromofluorobenzene
Concen: 41.623 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075253.D
Acq: 11 Nov 2022 17:17

Tgt Ion: 95 Resp: 61543
Ion Ratio Lower Upper
95 100
174 78.1 0.0 147.4
176 74.3 0.0 142.2

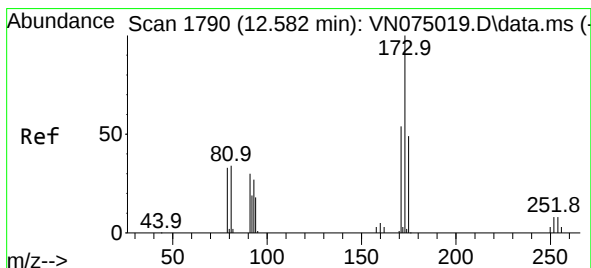
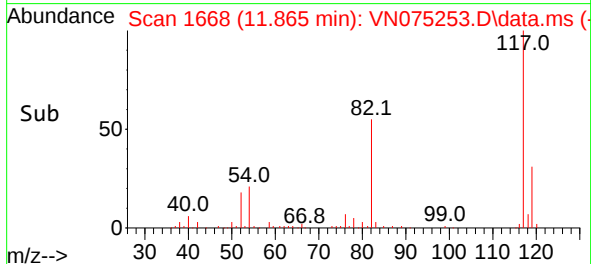
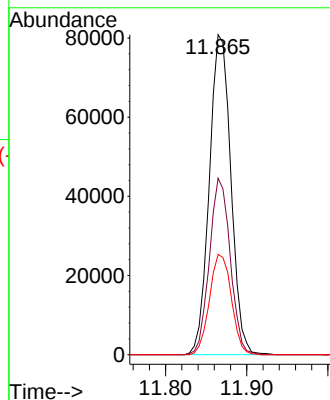
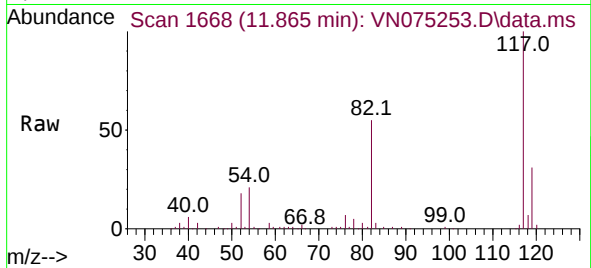




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075253.D
Acq: 11 Nov 2022 17:17

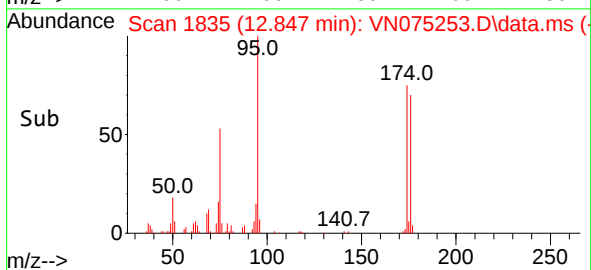
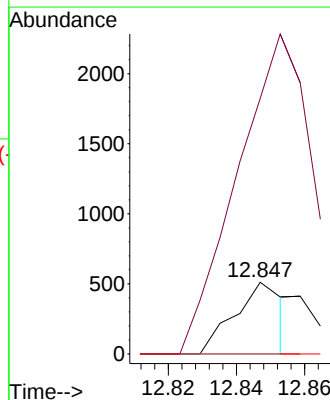
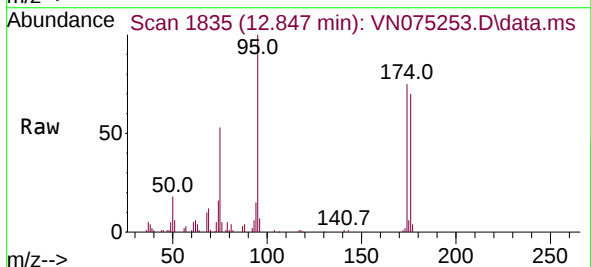
Instrument :
MSVOA_N
ClientSampleId :
SB-09ME

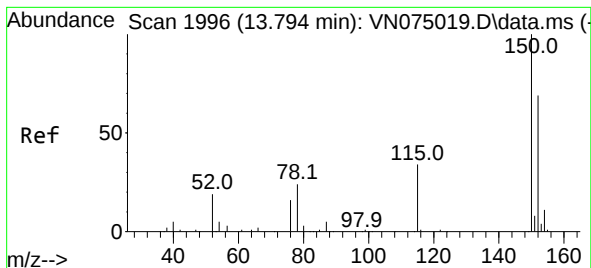
Tgt Ion:117 Resp: 149074
Ion Ratio Lower Upper
117 100
82 55.1 43.1 64.7
119 31.4 25.5 38.3



#71
Bromoform
Concen: 0.569 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075253.D
Acq: 11 Nov 2022 17:17

Tgt Ion:173 Resp: 503
Ion Ratio Lower Upper
173 100
175 605.8 24.6 74.0#
254 0.0 0.0 0.0

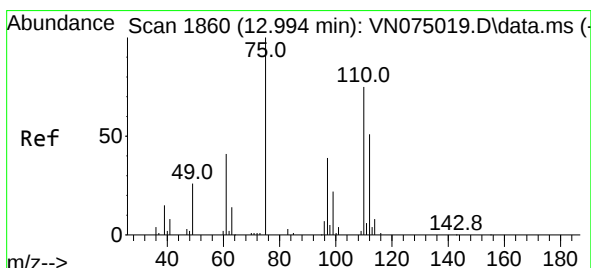
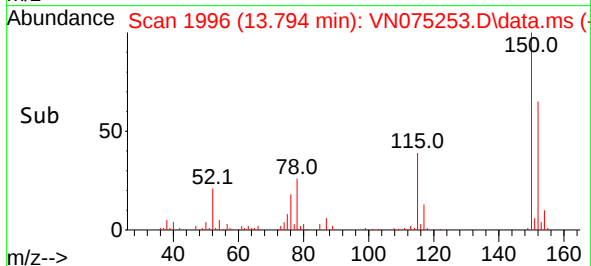
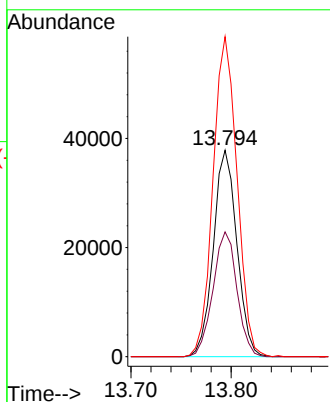
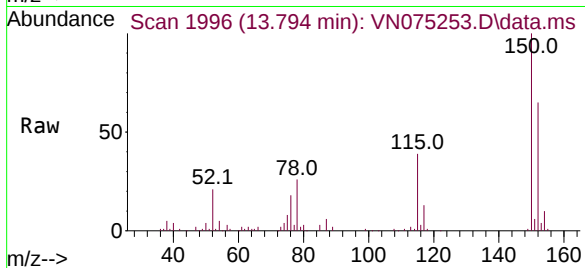




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075253.D
Acq: 11 Nov 2022 17:17

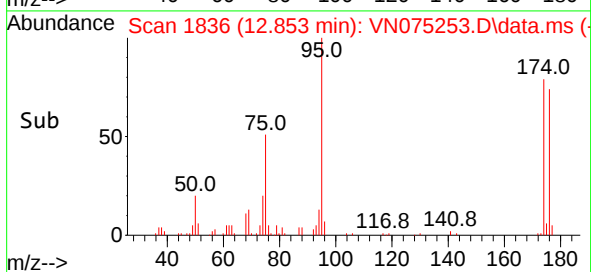
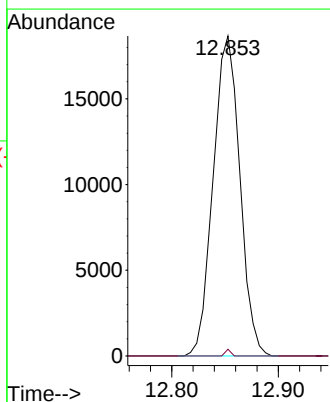
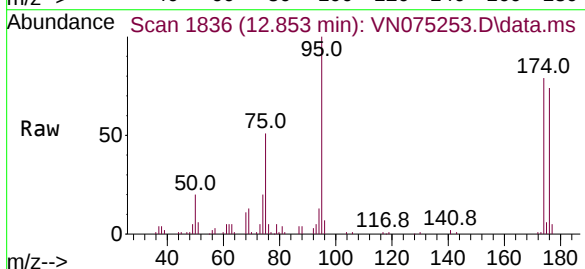
Instrument :
MSVOA_N
ClientSampleId :
SB-09ME

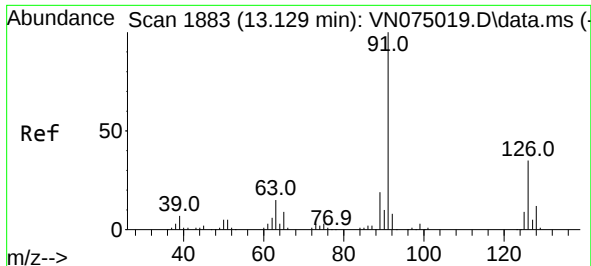
Tgt Ion:152 Resp: 61809
Ion Ratio Lower Upper
152 100
115 61.4 30.2 90.6
150 157.8 0.0 348.4



#76
1,2,3-Trichloropropane
Concen: 24.729 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075253.D
Acq: 11 Nov 2022 17:17

Tgt Ion: 75 Resp: 32454
Ion Ratio Lower Upper
75 100
77 0.4 75.6 226.8#

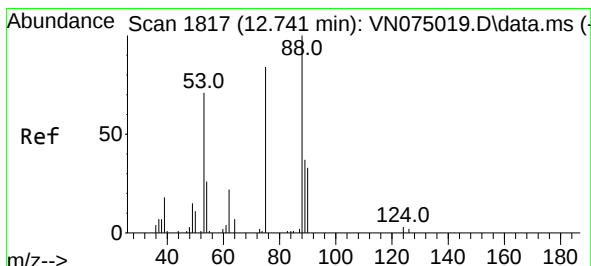
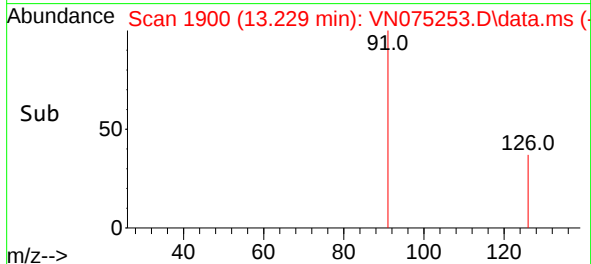
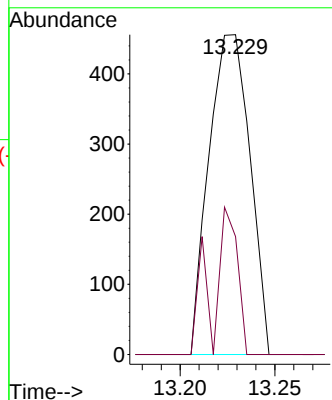
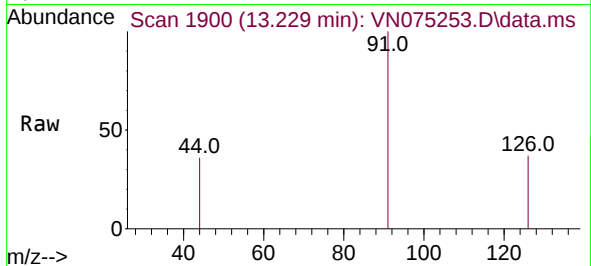




#79
2-Chlorotoluene
Concen: 0.202 ug/l
RT: 13.229 min Scan# 1883
Delta R.T. 0.100 min
Lab File: VN075253.D
Acq: 11 Nov 2022 17:17

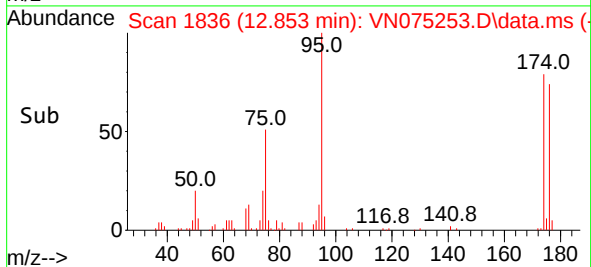
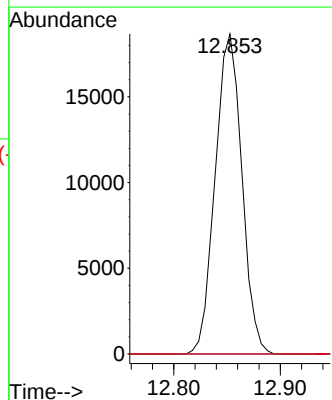
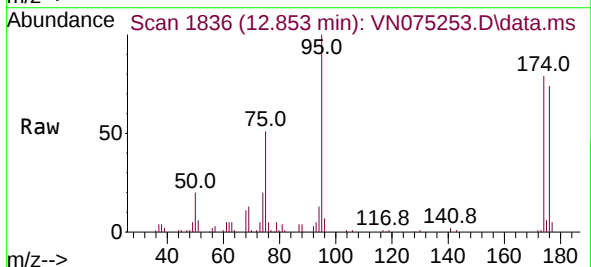
Instrument :
MSVOA_N
ClientSampleId :
SB-09ME

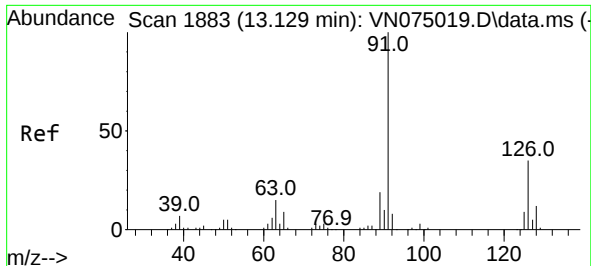
Tgt Ion: 91 Resp: 687
Ion Ratio Lower Upper
91 100
126 28.1 16.9 50.7



#81
trans-1,4-Dichloro-2-butene
Concen: 63.480 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075253.D
Acq: 11 Nov 2022 17:17

Tgt Ion: 75 Resp: 32454
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

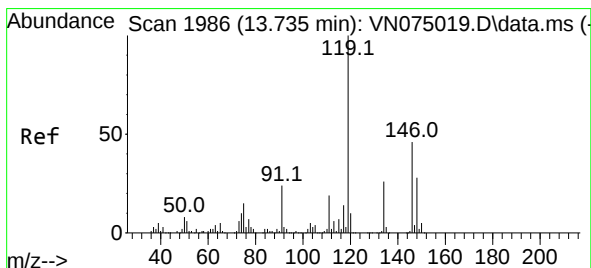
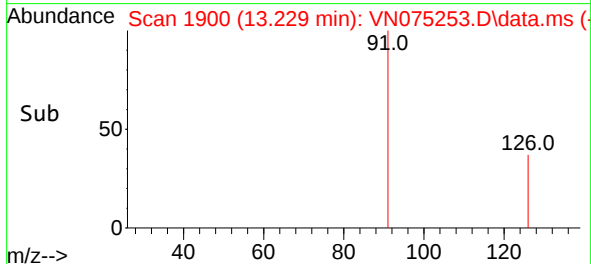
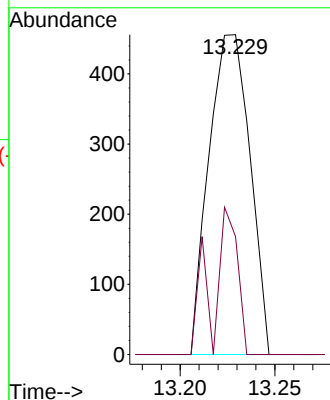
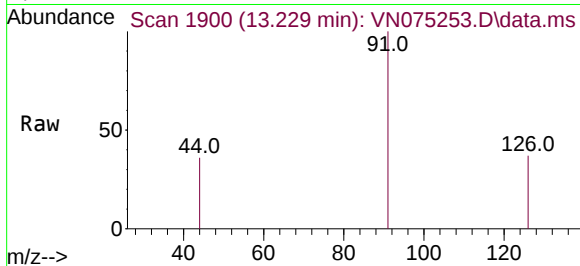




#82
4-Chlorotoluene
Concen: 0.202 ug/l
RT: 13.229 min Scan# 1900
Delta R.T. 0.100 min
Lab File: VN075253.D
Acq: 11 Nov 2022 17:17

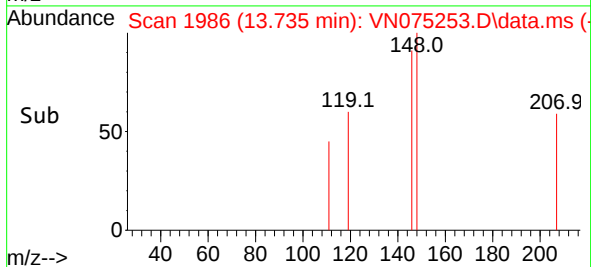
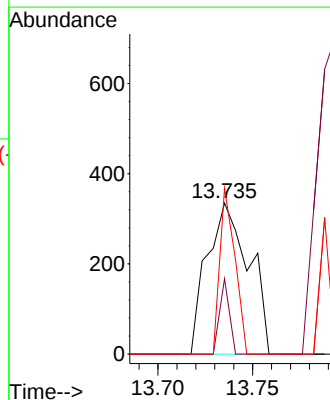
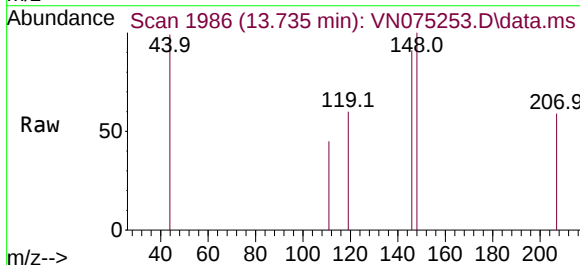
Instrument :
MSVOA_N
ClientSampleId :
SB-09ME

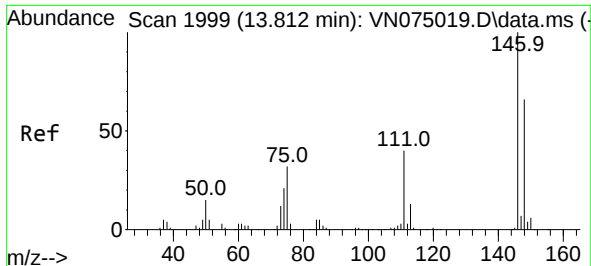
Tgt Ion: 91 Resp: 687
Ion Ratio Lower Upper
91 100
126 28.1 16.9 50.7



#87
1,3-Dichlorobenzene
Concen: 0.241 ug/l
RT: 13.735 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN075253.D
Acq: 11 Nov 2022 17:17

Tgt Ion:146 Resp: 515
Ion Ratio Lower Upper
146 100
111 11.5 20.8 62.5#
148 39.6 31.1 93.5

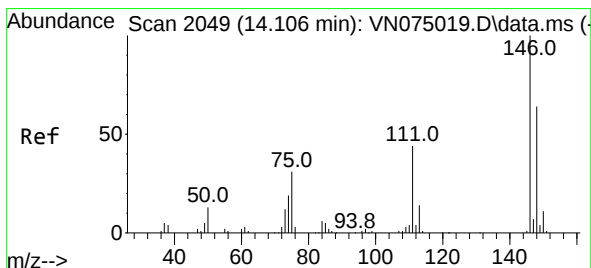
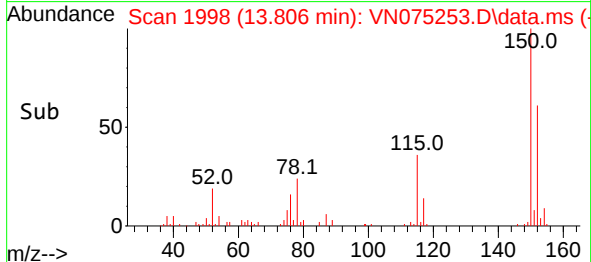
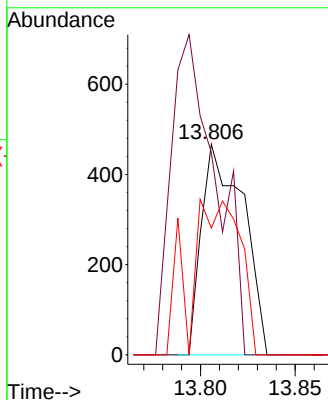
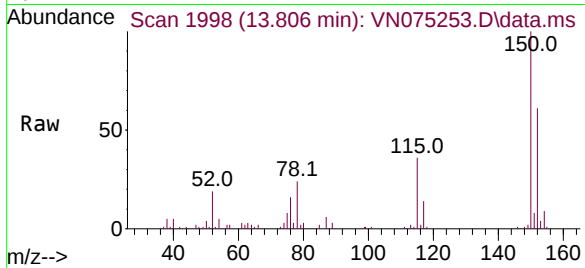




#88
1,4-Dichlorobenzene
Concen: 0.336 ug/l
RT: 13.806 min Scan# 1998
Delta R.T. -0.006 min
Lab File: VN075253.D
Acq: 11 Nov 2022 17:17

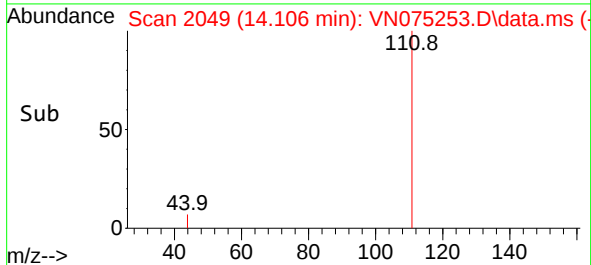
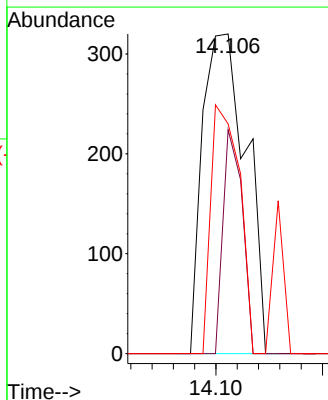
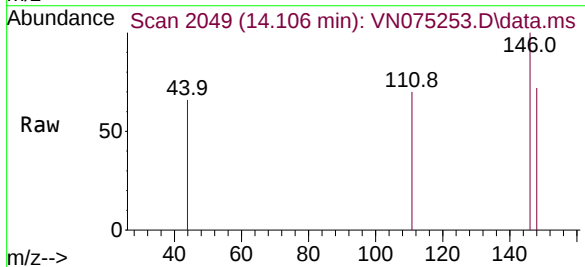
Instrument :
MSVOA_N
ClientSampleId :
SB-09ME

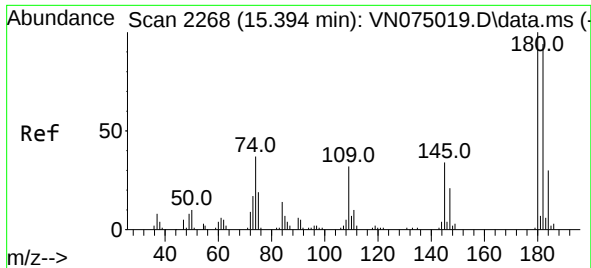
Tgt Ion:146 Resp: 711
Ion Ratio Lower Upper
146 100
111 164.8 20.1 60.3#
148 89.6 31.9 95.7



#91
1,2-Dichlorobenzene
Concen: 0.214 ug/l
RT: 14.106 min Scan# 2049
Delta R.T. -0.000 min
Lab File: VN075253.D
Acq: 11 Nov 2022 17:17

Tgt Ion:146 Resp: 456
Ion Ratio Lower Upper
146 100
111 30.7 21.3 63.9
148 51.1 31.4 94.2

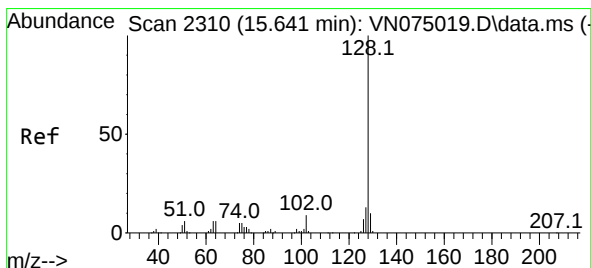
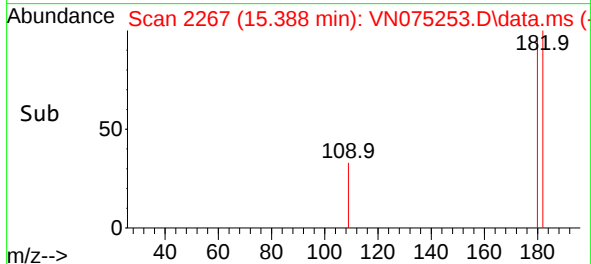
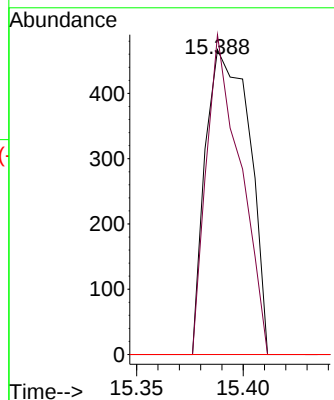
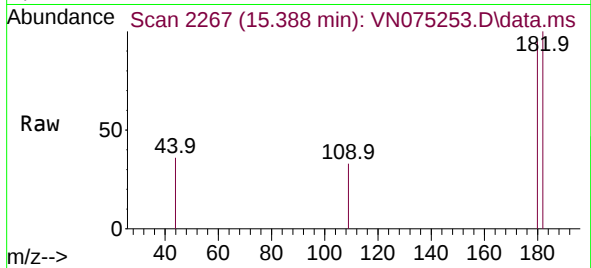




#93
1,2,4-Trichlorobenzene
Concen: 0.732 ug/l
RT: 15.388 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN075253.D
Acq: 11 Nov 2022 17:17

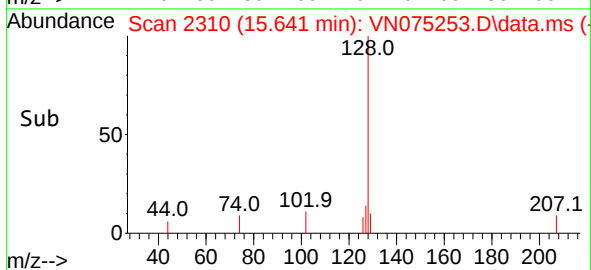
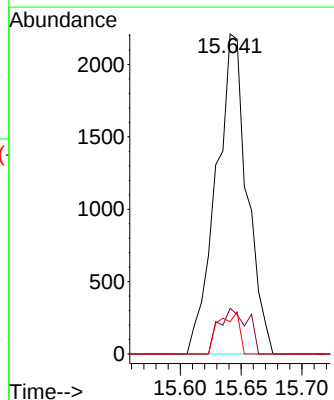
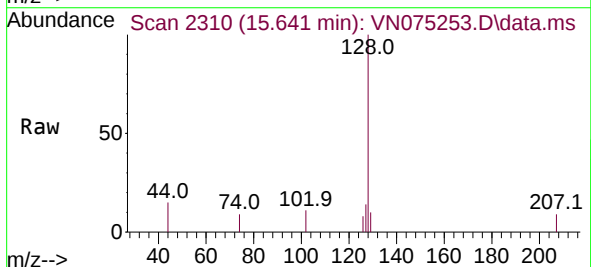
Instrument :
MSVOA_N
ClientSampleId :
SB-09ME

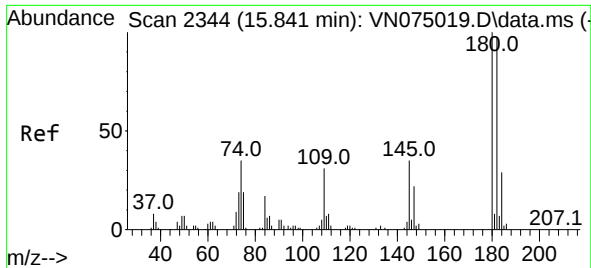
Tgt Ion:180 Resp: 670
Ion Ratio Lower Upper
180 100
182 81.2 47.8 143.4
145 0.0 16.8 50.3#



#95
Naphthalene
Concen: 1.114 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN075253.D
Acq: 11 Nov 2022 17:17

Tgt Ion:128 Resp: 3921
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 8.8 8.6 12.8





#96

1,2,3-Trichlorobenzene

Concen: 0.841 ug/l

RT: 15.847 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN075253.D

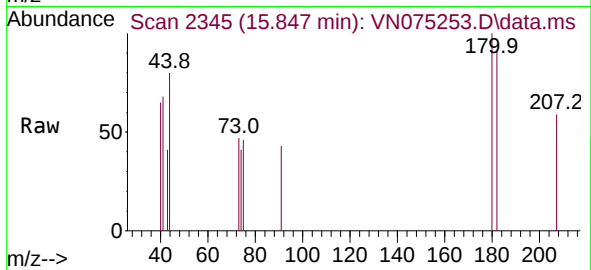
Acq: 11 Nov 2022 17:17

Instrument :

MSVOA_N

ClientSampleId :

SB-09ME



Tgt Ion:180 Resp: 765

Ion Ratio Lower Upper

180 100

182 70.1 47.3 141.8

145 0.0 17.6 52.9#

