

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110422\
 Data File : VD074746.D
 Acq On : 04 Nov 2022 19:00
 Operator : VA/SY
 Sample : N5418-16
 Misc : 3.63G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-O

Quant Time: Nov 07 00:29:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 03 02:30:45 2022
 Response via : Initial Calibration

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

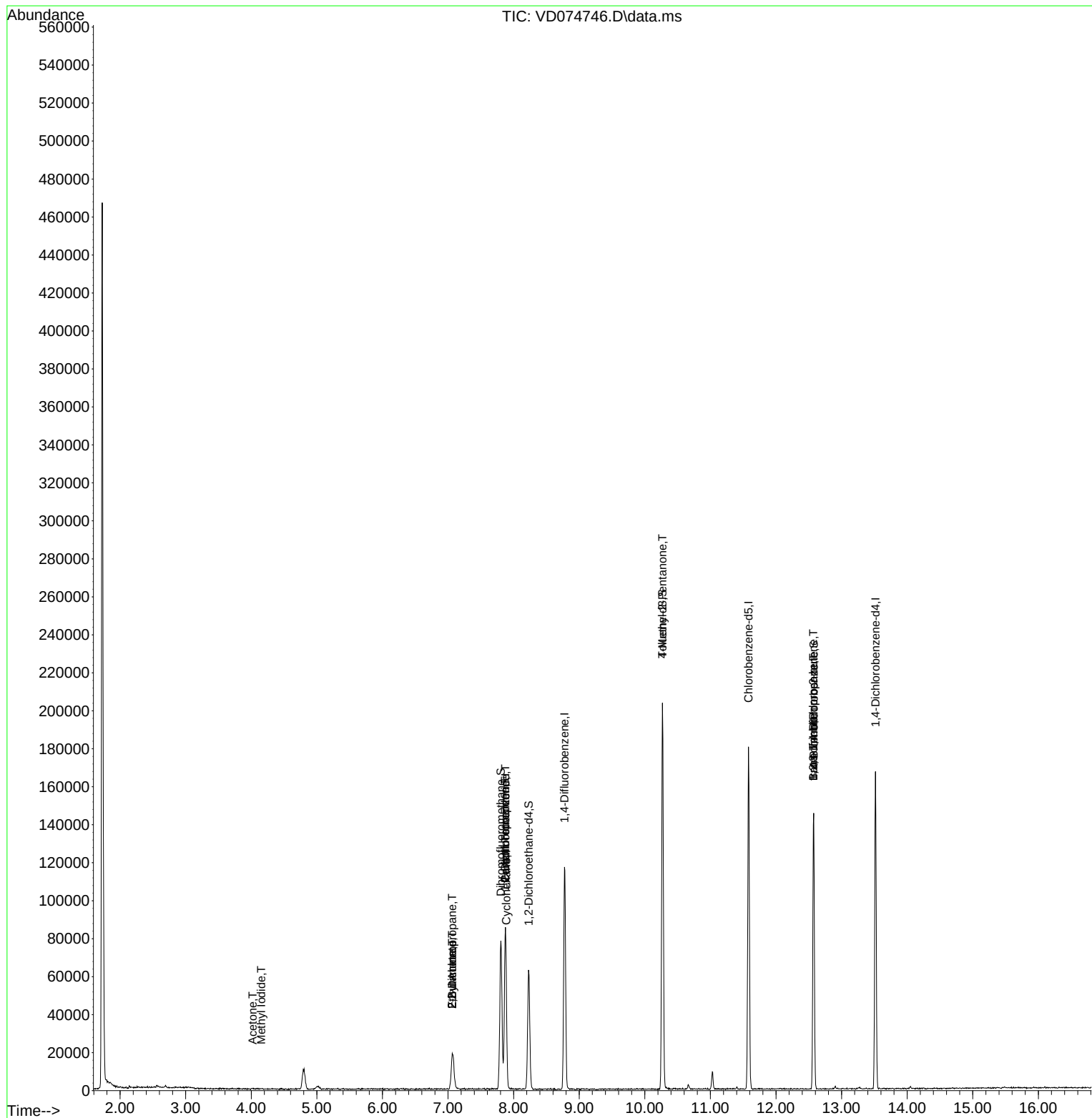
Internal Standards						
1) Pentafluorobenzene	7.875	168	72444	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	115025	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	113243	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	46957	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	50092	87.303	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 174.600%#	
35) Dibromofluoromethane	7.805	113	57851	85.023	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 170.040%#	
50) Toluene-d8	10.269	98	149980	60.428	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 120.860%	
62) 4-Bromofluorobenzene	12.575	95	45247	63.139	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 126.280%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.152	142	320	5.842	ug/l #	43
11) Tert butyl alcohol	5.028	59	1370	Below Cal	#	84
16) Acetone	4.022	43	187	1.562	ug/l #	37
20) Methylene Chloride	4.805	84	9843	Below Cal		98
25) 2-Butanone	7.063	43	641	3.894	ug/l #	42
26) 2,2-Dichloropropane	7.063	77	1313	1.095	ug/l #	50
31) Cyclohexane	7.887	56	1332	1.147	ug/l #	68
36) 1,1-Dichloropropene	7.869	75	4861	4.707	ug/l #	46
37) Ethyl Acetate	7.063	43	641	1.861	ug/l #	1
38) Carbon Tetrachloride	7.875	117	6772	6.921	ug/l #	14
51) 4-Methyl-2-Pentanone	10.269	43	390	1.255	ug/l #	1
71) Bromoform	12.569	173	455	1.117	ug/l #	30
76) 1,2,3-Trichloropropane	12.569	75	21658	59.498	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.569	75	21658	141.233	ug/l #	17

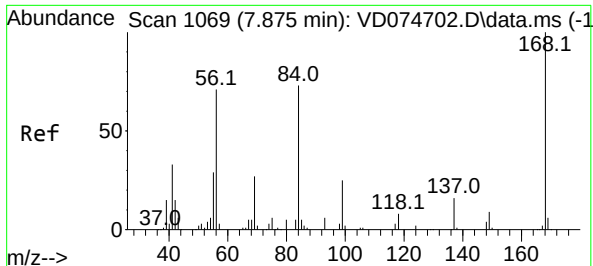
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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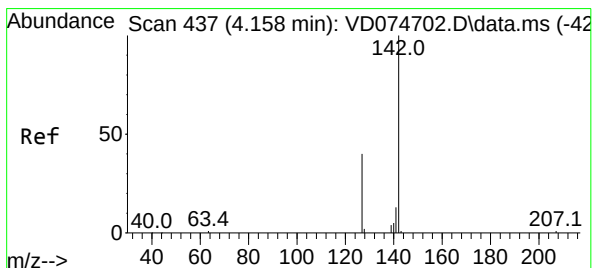
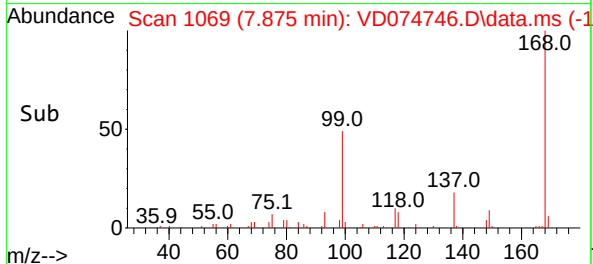
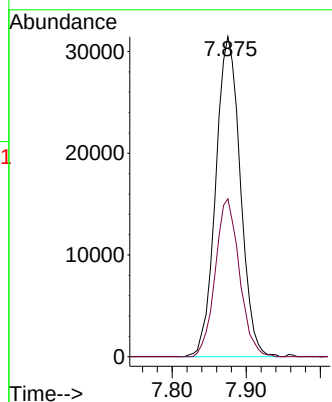
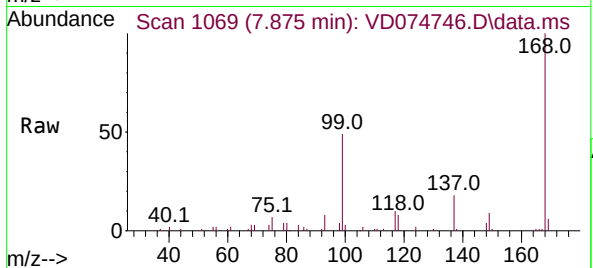




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074746.D
Acq: 04 Nov 2022 19:00

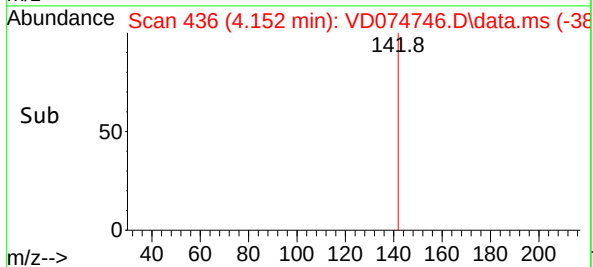
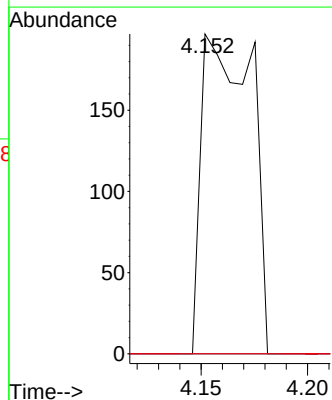
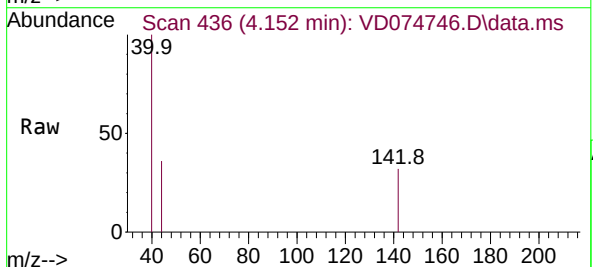
Instrument :
MSVOA_D
ClientSampleId :
TP-O

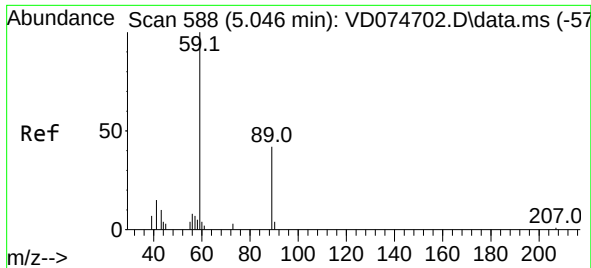
Tgt Ion:168 Resp: 72444
Ion Ratio Lower Upper
168 100
99 49.3 40.9 61.3



#10
Methyl Iodide
Concen: 5.842 ug/l
RT: 4.152 min Scan# 436
Delta R.T. -0.006 min
Lab File: VD074746.D
Acq: 04 Nov 2022 19:00

Tgt Ion:142 Resp: 320
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#

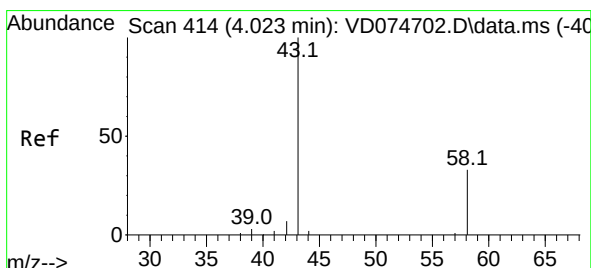
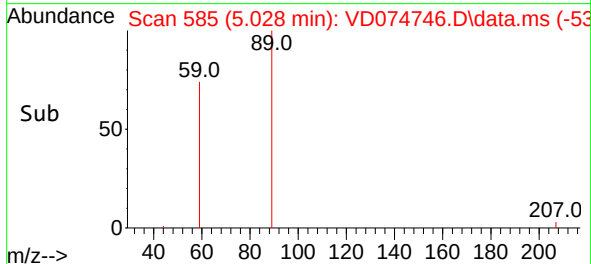
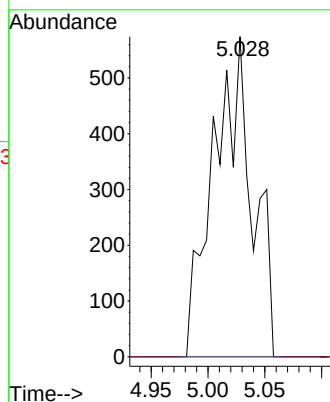
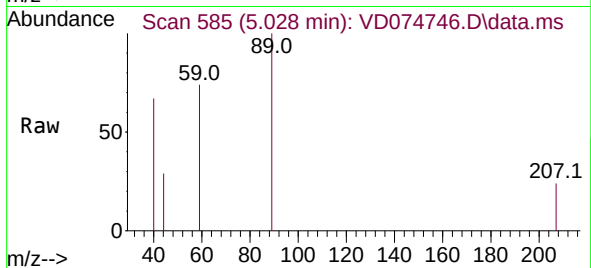




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.028 min Scan# 51
Delta R.T. -0.018 min
Lab File: VD074746.D
Acq: 04 Nov 2022 19:00

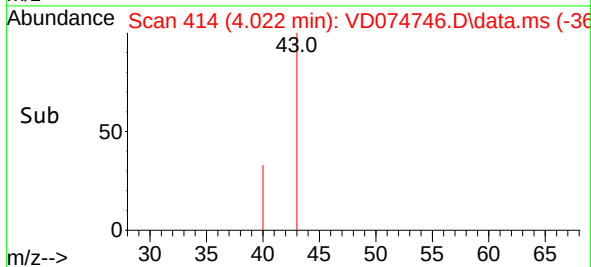
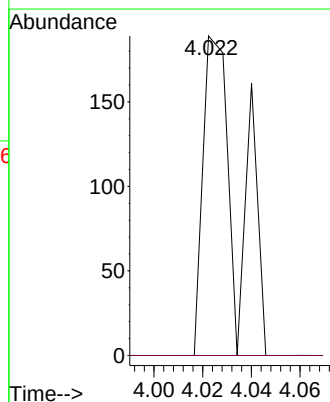
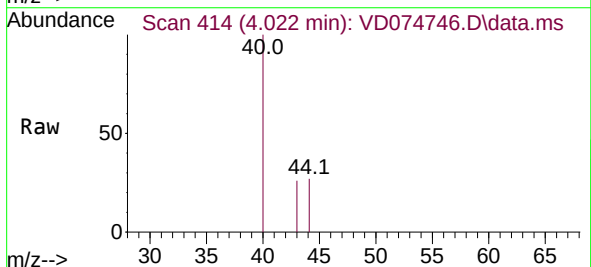
Instrument :
MSVOA_D
ClientSampleId :
TP-O

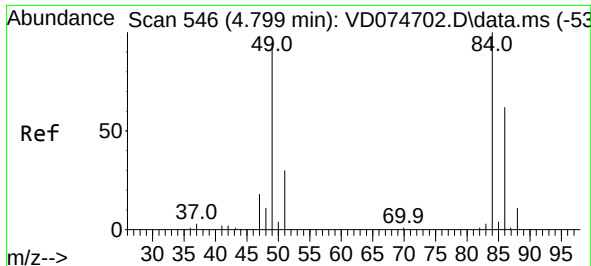
Tgt Ion: 59 Resp: 1370
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#



#16
Acetone
Concen: 1.562 ug/l
RT: 4.022 min Scan# 414
Delta R.T. -0.001 min
Lab File: VD074746.D
Acq: 04 Nov 2022 19:00

Tgt Ion: 43 Resp: 187
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.805 min Scan# 546

Delta R.T. 0.006 min

Lab File: VD074746.D

Acq: 04 Nov 2022 19:00

Instrument :

MSVOA_D

ClientSampleId :

TP-O

Tgt Ion: 84 Resp: 9843

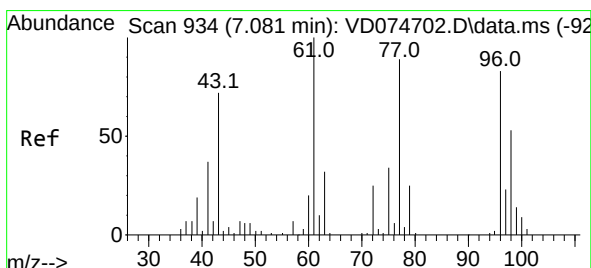
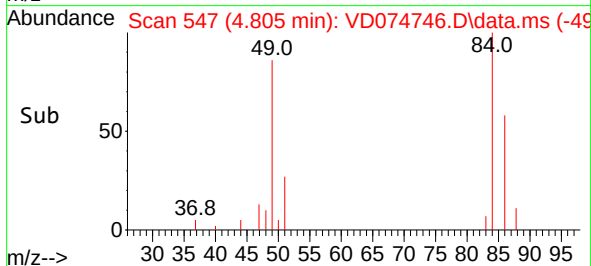
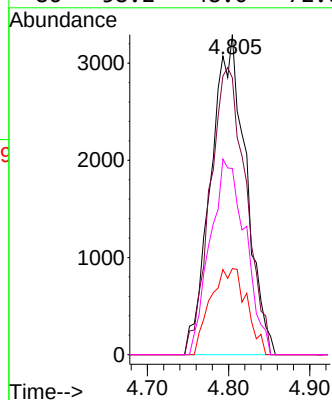
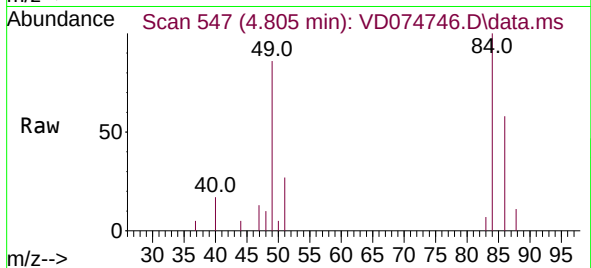
Ion Ratio Lower Upper

84 100

49 86.5 68.0 102.0

51 26.9 23.2 34.8

86 58.2 48.0 72.0



#25

2-Butanone

Concen: 3.894 ug/l

RT: 7.063 min Scan# 931

Delta R.T. -0.018 min

Lab File: VD074746.D

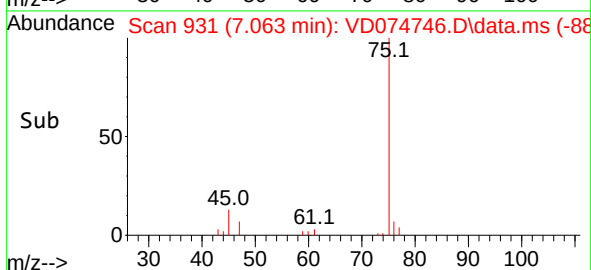
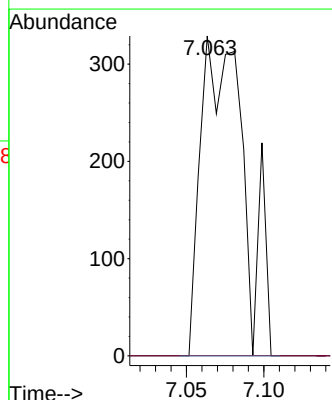
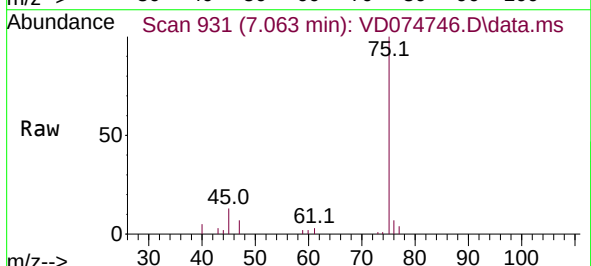
Acq: 04 Nov 2022 19:00

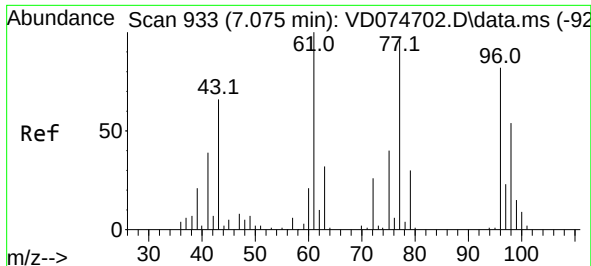
Tgt Ion: 43 Resp: 641

Ion Ratio Lower Upper

43 100

72 0.0 25.8 38.8#

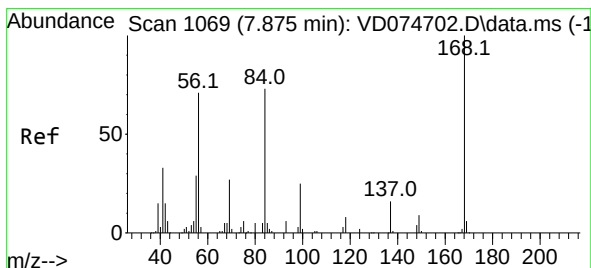
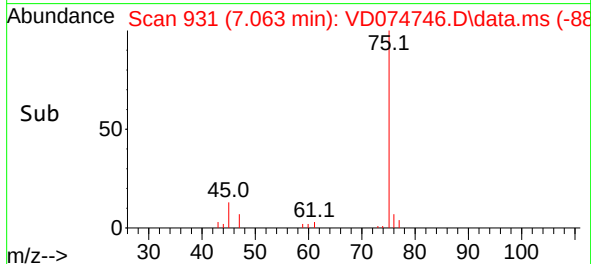
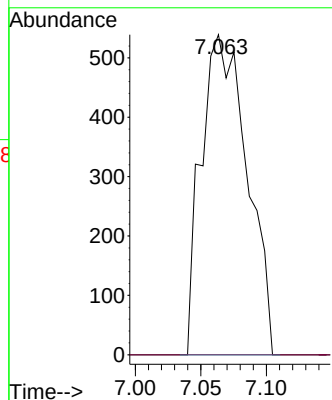
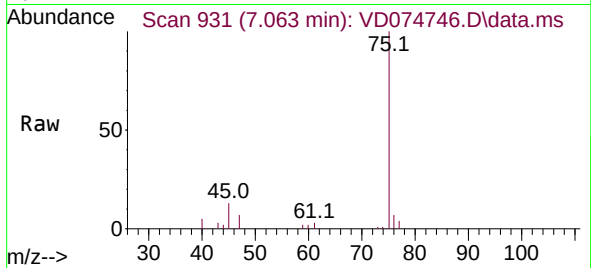




#26
2,2-Dichloropropane
Concen: 1.095 ug/l
RT: 7.063 min Scan# 91
Delta R.T. -0.012 min
Lab File: VD074746.D
Acq: 04 Nov 2022 19:00

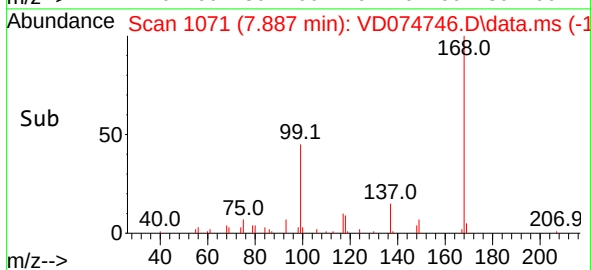
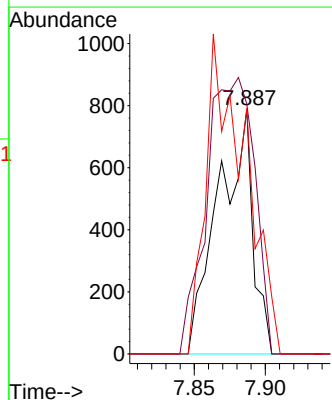
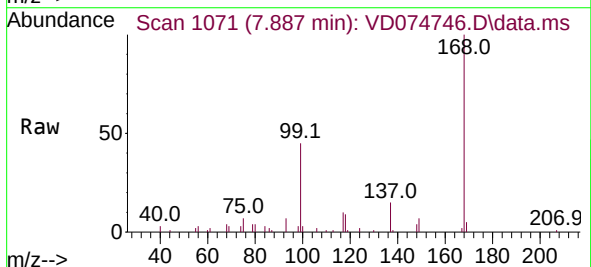
Instrument :
MSVOA_D
ClientSampleId :
TP-O

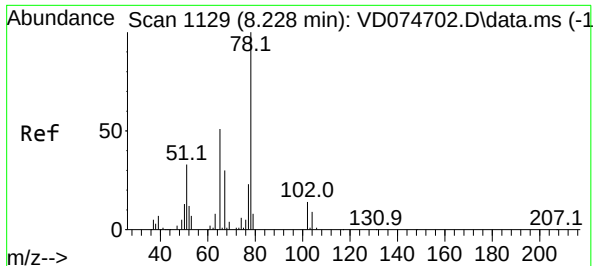
Tgt Ion: 77 Resp: 1313
Ion Ratio Lower Upper
77 100
97 0.0 12.5 37.5#



#31
Cyclohexane
Concen: 1.147 ug/l
RT: 7.887 min Scan# 1071
Delta R.T. 0.012 min
Lab File: VD074746.D
Acq: 04 Nov 2022 19:00

Tgt Ion: 56 Resp: 1332
Ion Ratio Lower Upper
56 100
69 102.4 29.2 43.8#
84 100.5 83.4 125.2





#33

1,2-Dichloroethane-d4

Concen: 87.303 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD074746.D

Acq: 04 Nov 2022 19:00

Instrument :

MSVOA_D

ClientSampleId :

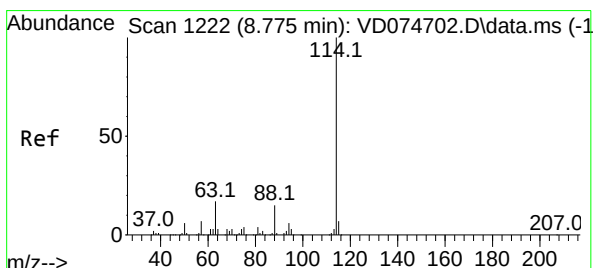
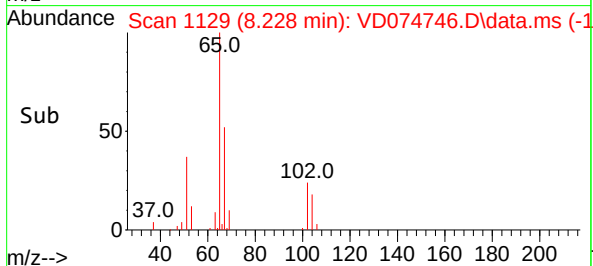
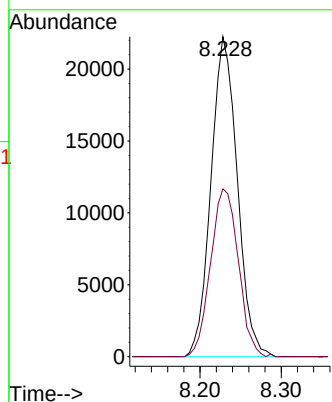
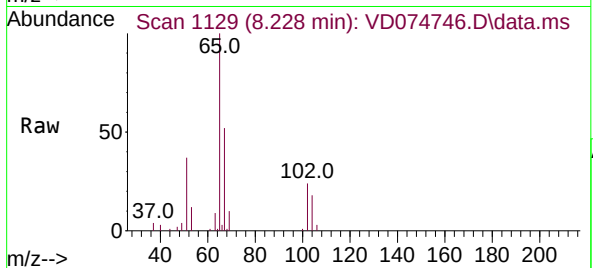
TP-O

Tgt Ion: 65 Resp: 50092

Ion Ratio Lower Upper

65 100

67 55.3 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD074746.D

Acq: 04 Nov 2022 19:00

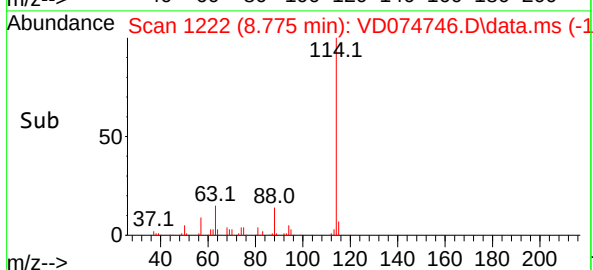
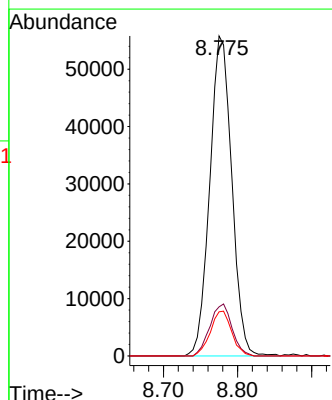
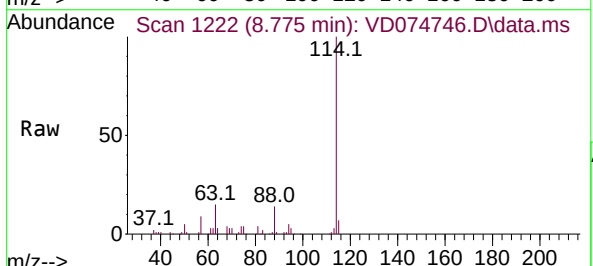
Tgt Ion: 114 Resp: 115025

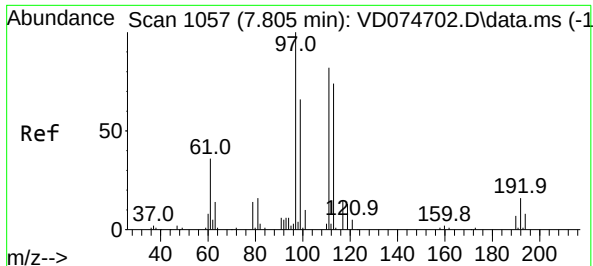
Ion Ratio Lower Upper

114 100

63 15.4 0.0 33.2

88 13.8 0.0 28.2





#35

Dibromofluoromethane

Concen: 85.023 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD074746.D

Acq: 04 Nov 2022 19:00

Instrument :

MSVOA_D

ClientSampleId :

TP-O

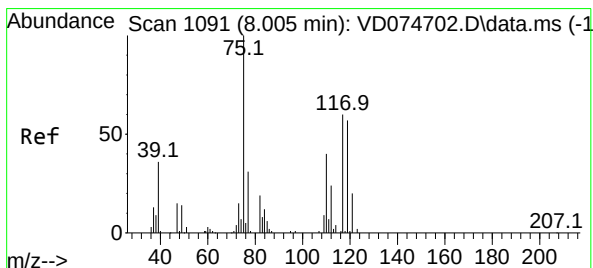
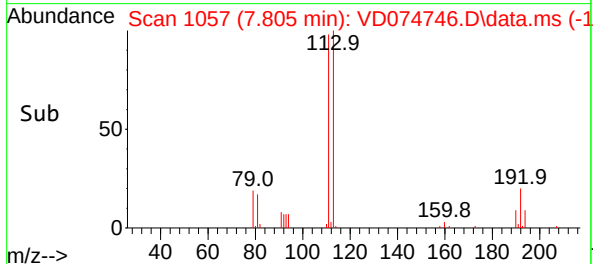
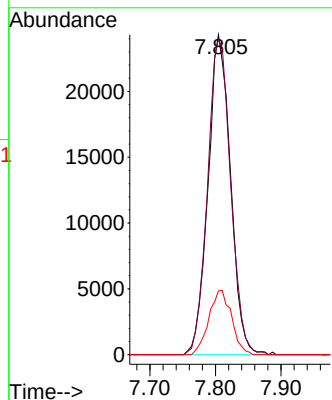
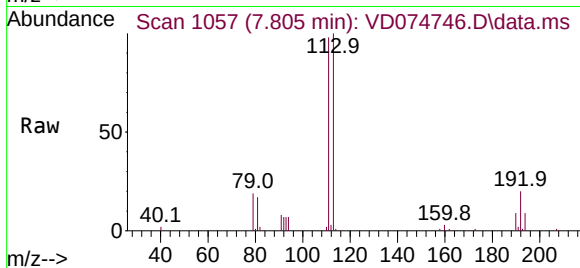
Tgt Ion:113 Resp: 57851

Ion Ratio Lower Upper

113 100

111 101.6 82.3 123.5

192 20.3 16.4 24.6



#36

1,1-Dichloropropene

Concen: 4.707 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.136 min

Lab File: VD074746.D

Acq: 04 Nov 2022 19:00

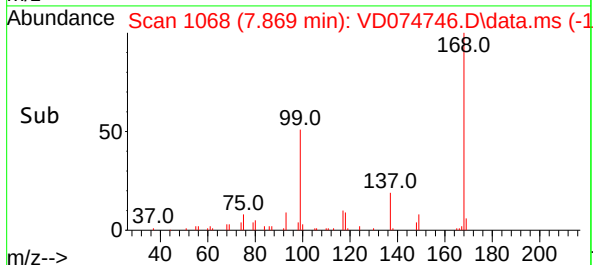
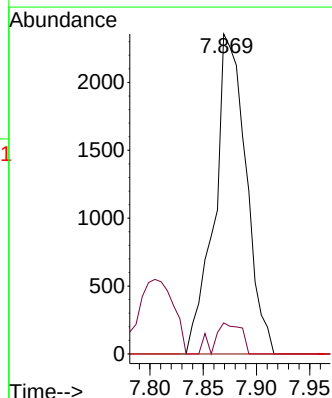
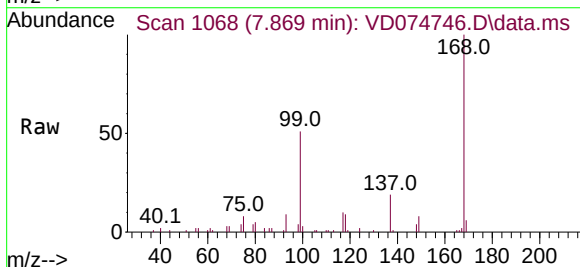
Tgt Ion: 75 Resp: 4861

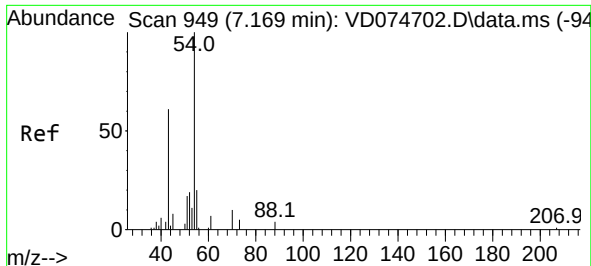
Ion Ratio Lower Upper

75 100

110 8.2 19.7 59.0#

77 0.0 25.4 38.2#





#37

Ethyl Acetate

Concen: 1.861 ug/l

RT: 7.063 min Scan# 91

Delta R.T. -0.106 min

Lab File: VD074746.D

Acq: 04 Nov 2022 19:00

Instrument :

MSVOA_D

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TP-O

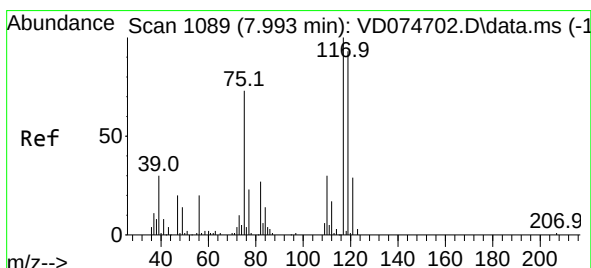
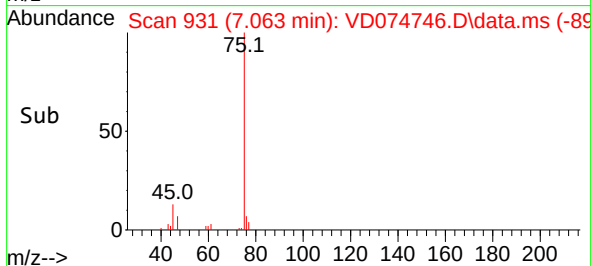
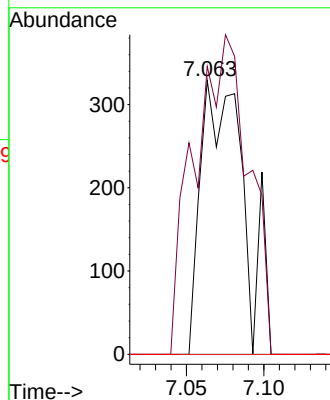
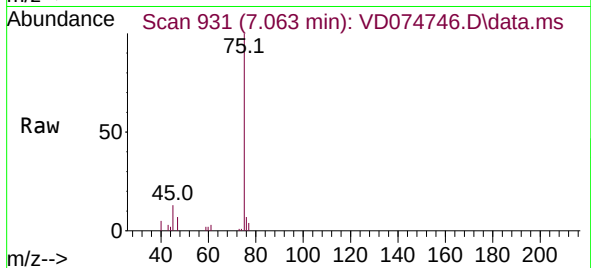
Tgt Ion: 43 Resp: 641

Ion Ratio Lower Upper

43 100

61 146.0 12.2 18.4#

70 0.0 9.6 14.4#



#38

Carbon Tetrachloride

Concen: 6.921 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD074746.D

Acq: 04 Nov 2022 19:00

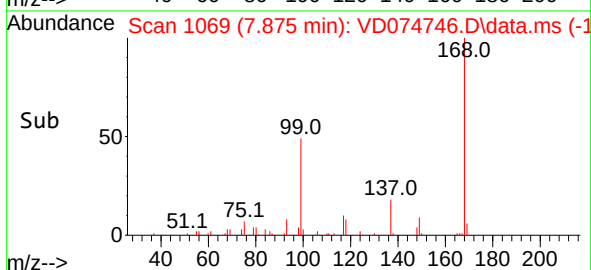
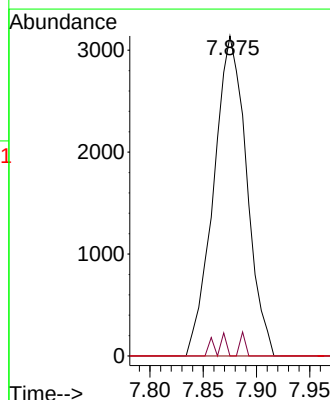
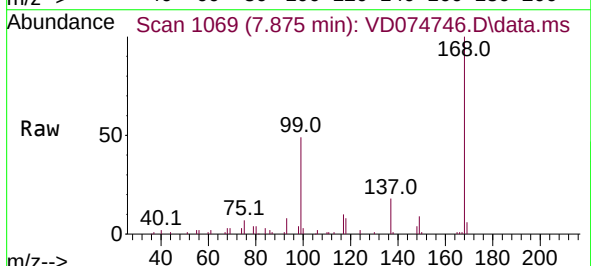
Tgt Ion: 117 Resp: 6772

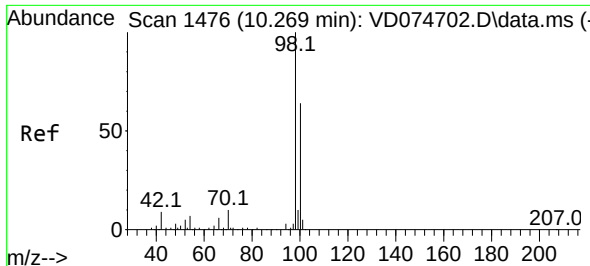
Ion Ratio Lower Upper

117 100

119 0.0 73.1 109.7#

121 0.0 25.0 37.6#

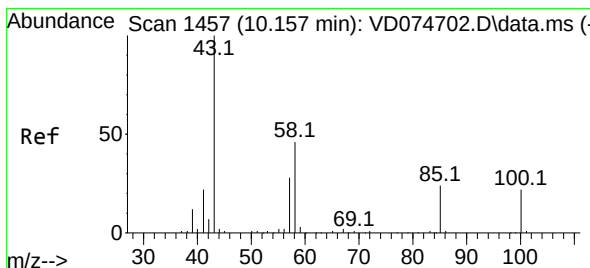
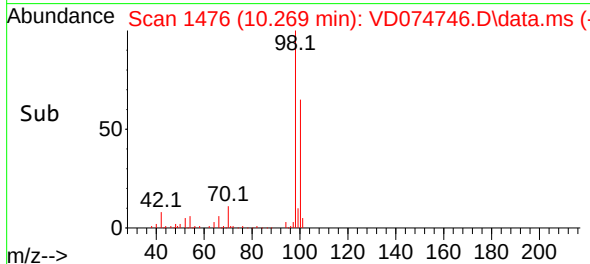
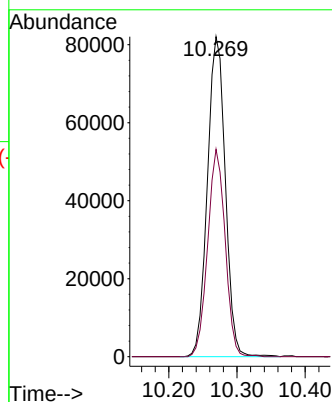
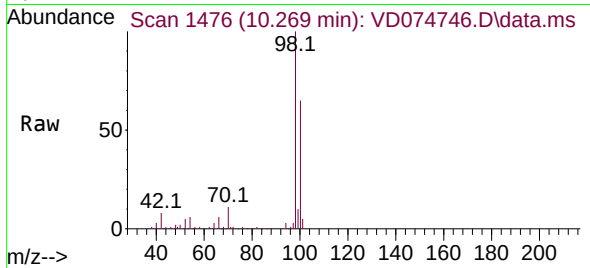




#50
Toluene-d8
Concen: 60.428 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074746.D
Acq: 04 Nov 2022 19:00

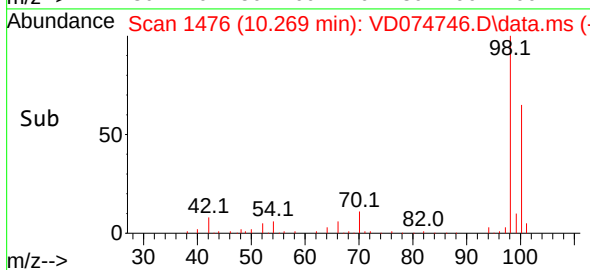
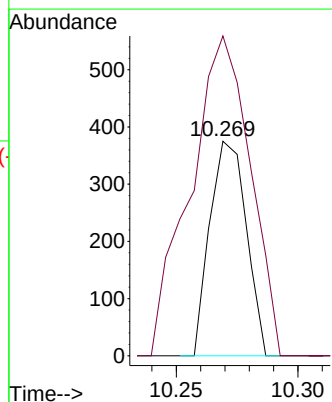
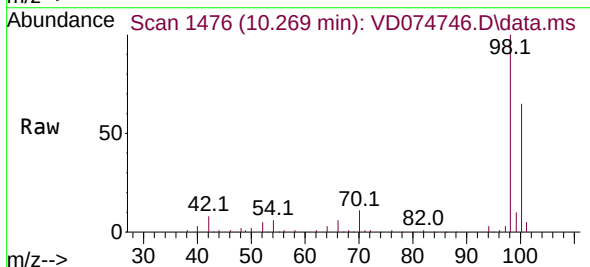
Instrument :
MSVOA_D
ClientSampleId :
TP-O

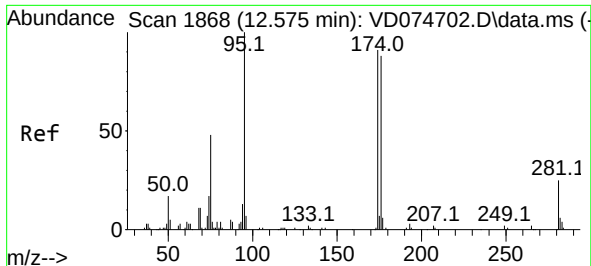
Tgt Ion: 98 Resp: 149980
Ion Ratio Lower Upper
98 100
100 63.2 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.255 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD074746.D
Acq: 04 Nov 2022 19:00

Tgt Ion: 43 Resp: 390
Ion Ratio Lower Upper
43 100
58 246.2 37.8 56.6#

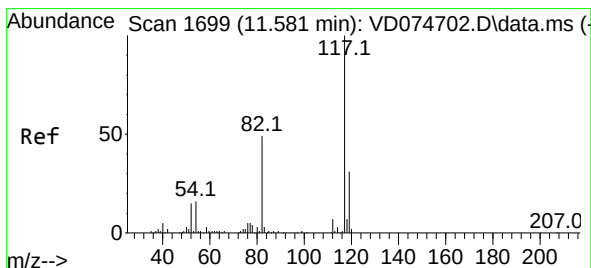
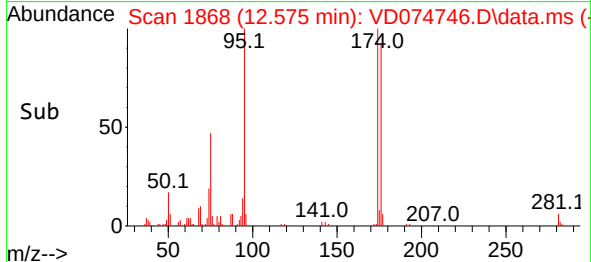
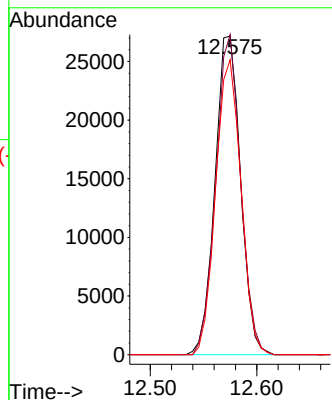
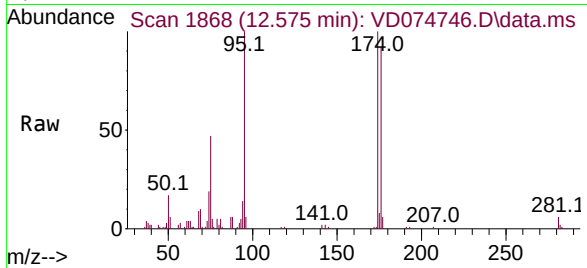




#62
4-Bromofluorobenzene
Concen: 63.139 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD074746.D
Acq: 04 Nov 2022 19:00

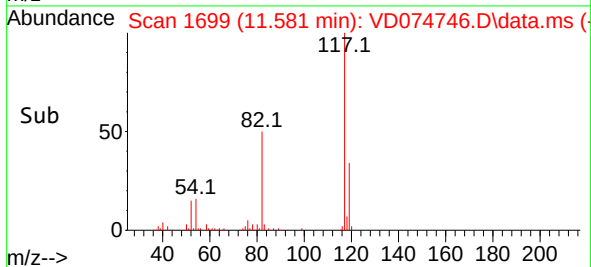
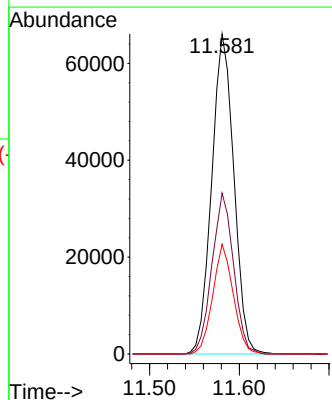
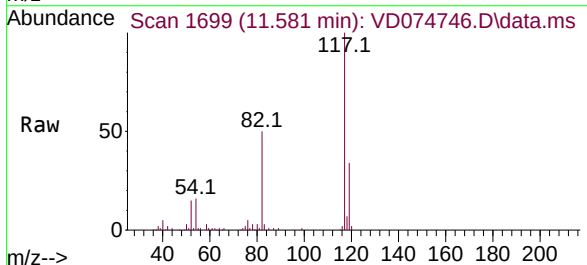
Instrument :
MSVOA_D
ClientSampleId :
TP-O

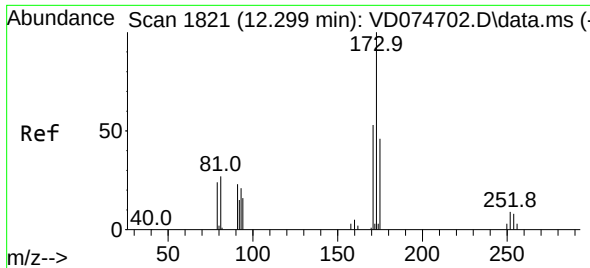
Tgt Ion: 95 Resp: 45247
Ion Ratio Lower Upper
95 100
174 97.3 0.0 197.0
176 91.9 0.0 182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074746.D
Acq: 04 Nov 2022 19:00

Tgt Ion: 117 Resp: 113243
Ion Ratio Lower Upper
117 100
82 50.3 41.6 62.4
119 34.3 25.2 37.8

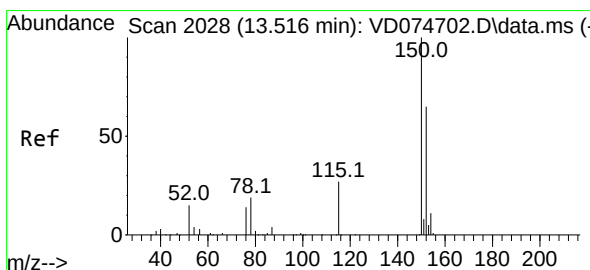
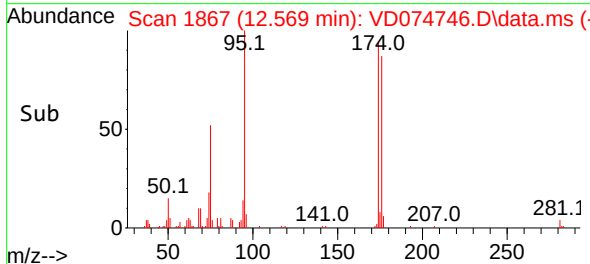
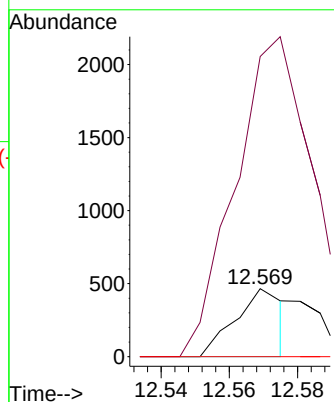
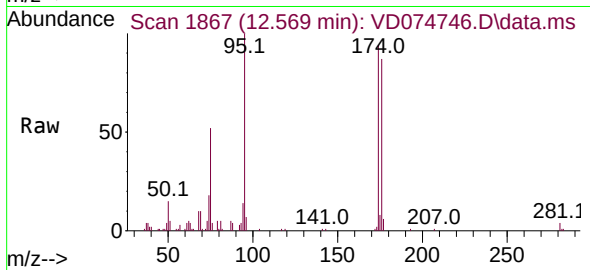




#71
Bromoform
Concen: 1.117 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.270 min
Lab File: VD074746.D
Acq: 04 Nov 2022 19:00

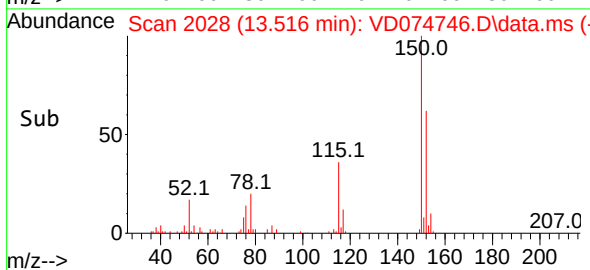
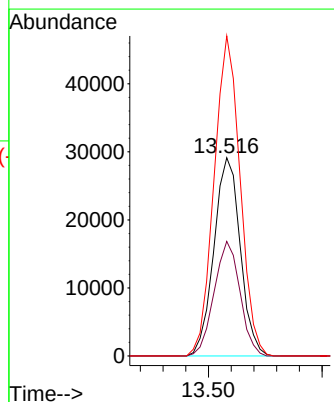
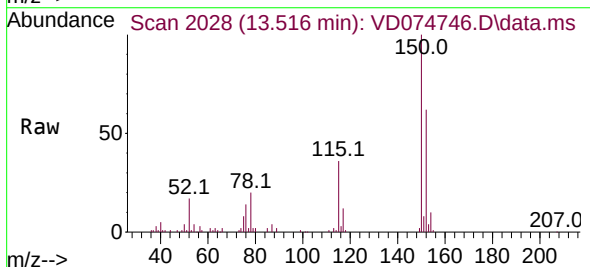
Instrument :
MSVOA_D
ClientSampleId :
TP-O

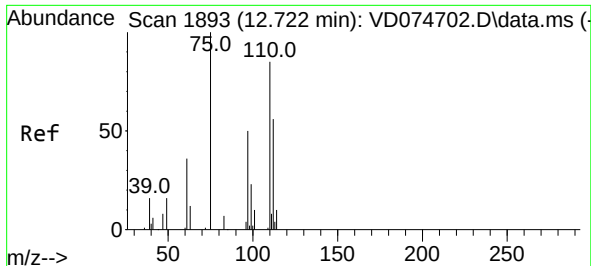
Tgt Ion:173 Resp: 455
Ion Ratio Lower Upper
173 100
175 0.0 23.1 69.3#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD074746.D
Acq: 04 Nov 2022 19:00

Tgt Ion:152 Resp: 46957
Ion Ratio Lower Upper
152 100
115 56.6 26.8 80.4
150 159.0 0.0 348.2

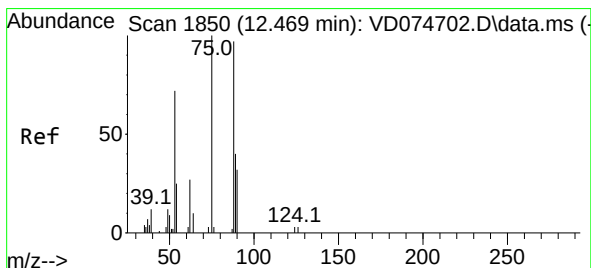
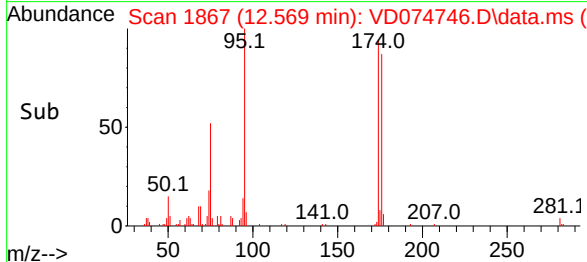
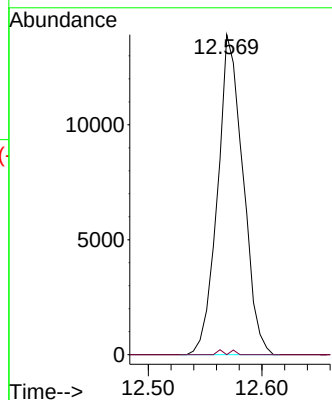
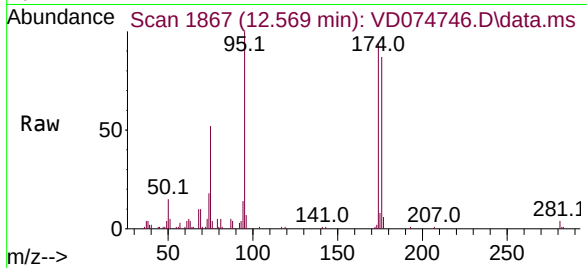




#76
1,2,3-Trichloropropane
Concen: 59.498 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD074746.D
Acq: 04 Nov 2022 19:00

Instrument :
MSVOA_D
ClientSampleId :
TP-O

Tgt Ion: 75 Resp: 21658
Ion Ratio Lower Upper
75 100
77 0.7 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 141.233 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD074746.D
Acq: 04 Nov 2022 19:00

Tgt Ion: 75 Resp: 21658
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

