

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111122\
 Data File : VD074906.D
 Acq On : 12 Nov 2022 00:26
 Operator : VA/SY
 Sample : N5509-01
 Misc : 4.15G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-7

Quant Time: Nov 14 00:58:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 14 00:51:58 2022
 Response via : Initial Calibration

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

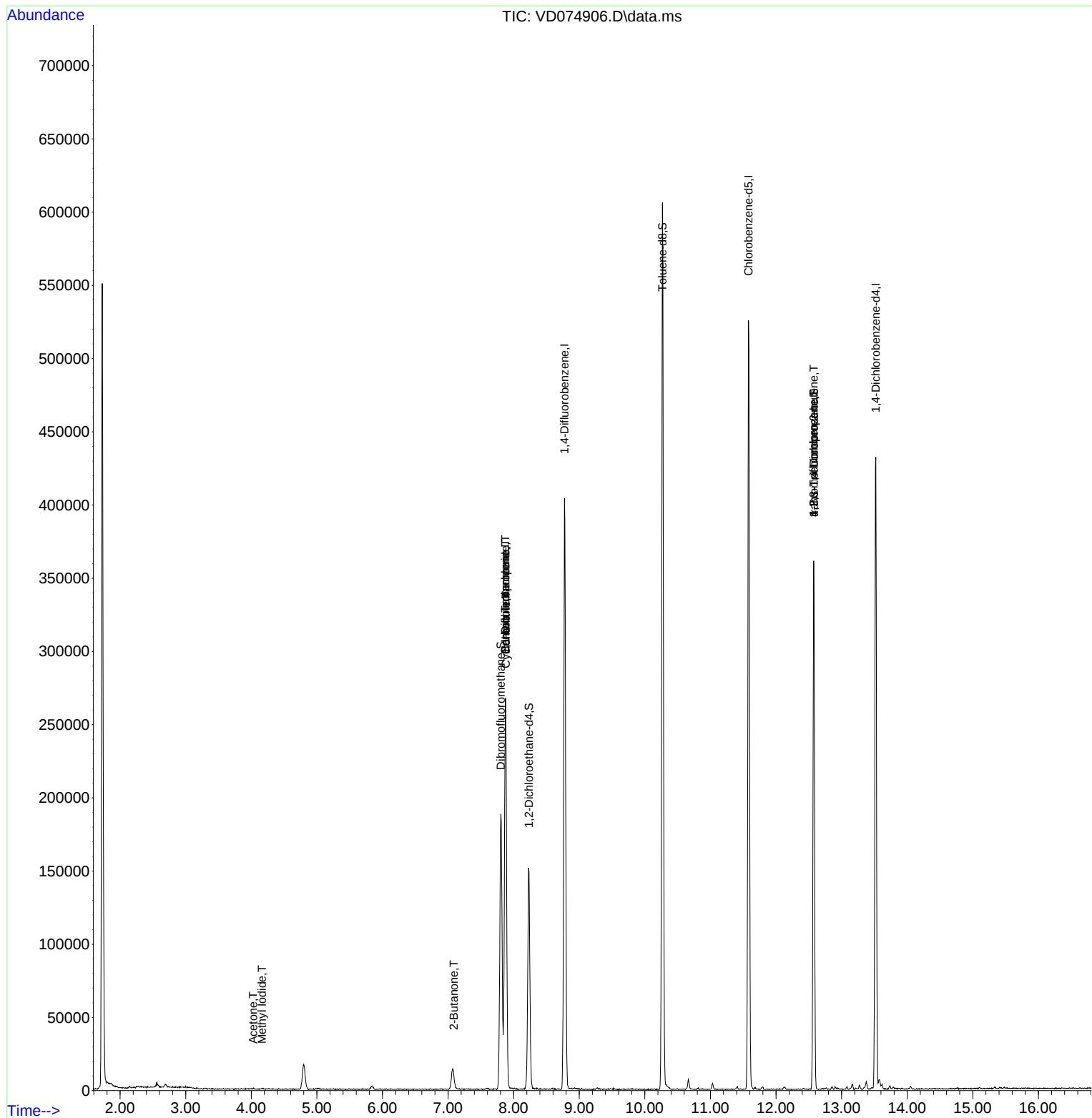
Internal Standards						
1) Pentafluorobenzene	7.875	168	223858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	382748	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	328866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	128550	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	116172	81.879	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 163.760%#	
35) Dibromofluoromethane	7.805	113	140011	59.342	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 118.680%	
50) Toluene-d8	10.269	98	435926	56.090	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 112.180%	
62) 4-Bromofluorobenzene	12.575	95	109122	45.725	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 91.440%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	242	Below Cal	#	40
3) Chloromethane	2.140	50	933	Below Cal		97
5) Bromomethane	2.687	94	1768	Below Cal		90
10) Methyl Iodide	4.164	142	987	5.098 ug/l	#	57
11) Tert butyl alcohol	5.052	59	66	Below Cal	#	84
16) Acetone	4.028	43	762	2.062 ug/l	#	37
18) Methyl Acetate	4.811	43	56	Below Cal	#	44
20) Methylene Chloride	4.799	84	15208	Below Cal		96
25) 2-Butanone	7.087	43	947	1.960 ug/l	#	42
31) Cyclohexane	7.881	56	4146	1.270 ug/l	#	20
36) 1,1-Dichloropropene	7.875	75	15261	4.401 ug/l	#	47
38) Carbon Tetrachloride	7.875	117	21327	6.534 ug/l	#	19
76) 1,2,3-Trichloropropane	12.575	75	53928	50.157 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.575	75	53928	123.387 ug/l	#	17

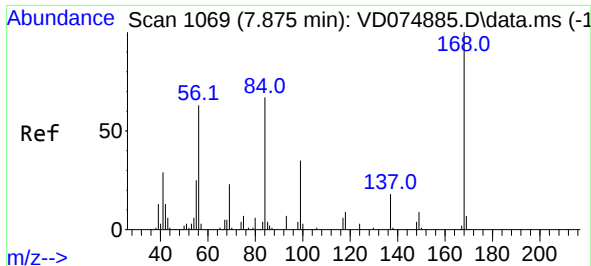
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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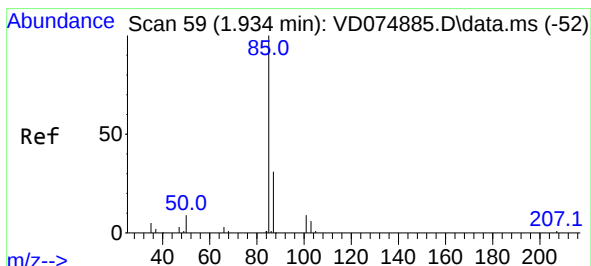
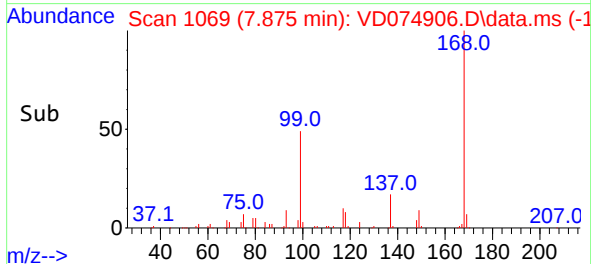
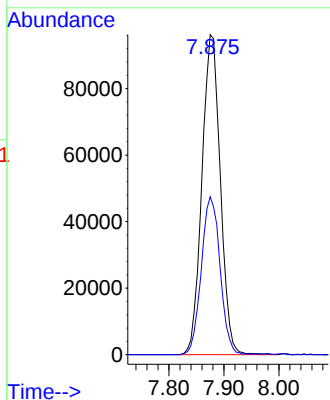
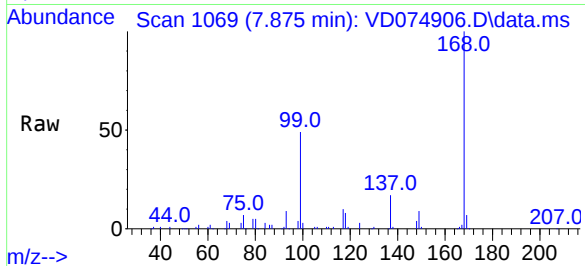




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074906.D
Acq: 12 Nov 2022 00:26

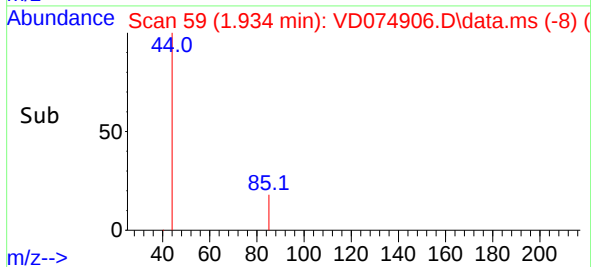
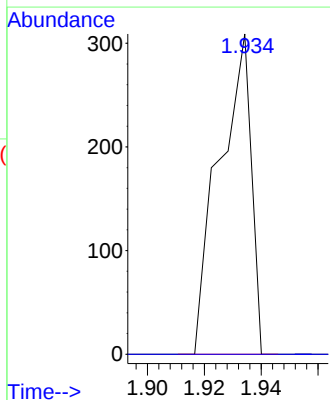
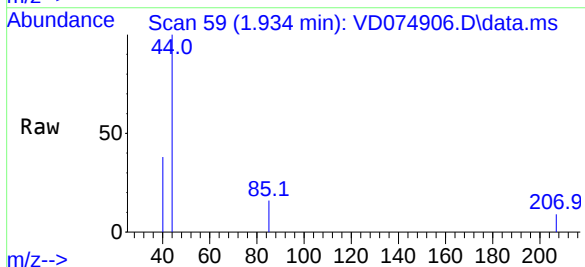
Instrument :
MSVOA_D
ClientSampleId :
TP-7

Tgt Ion:168 Resp: 223858
Ion Ratio Lower Upper
168 100
99 49.4 40.9 61.3

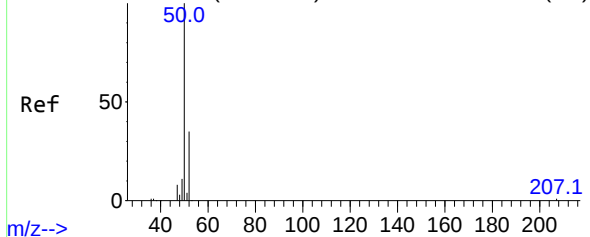


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD074906.D
Acq: 12 Nov 2022 00:26

Tgt Ion: 85 Resp: 242
Ion Ratio Lower Upper
85 100
87 0.0 17.5 52.6#



Abundance Scan 95 (2.146 min): VD074885.D\data.ms (-89)

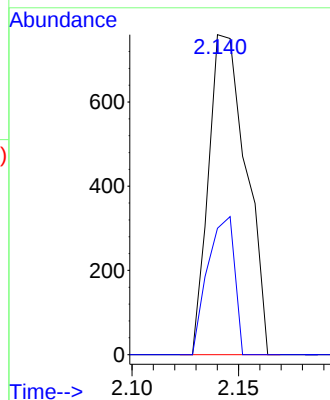
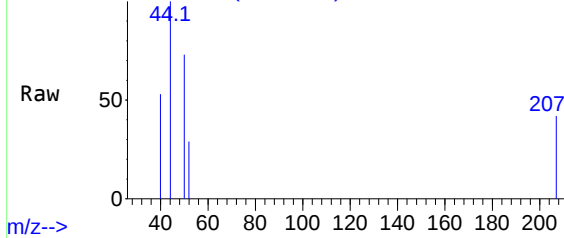


#3
Chloromethane
Concen: Below Cal
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD074906.D
Acq: 12 Nov 2022 00:26

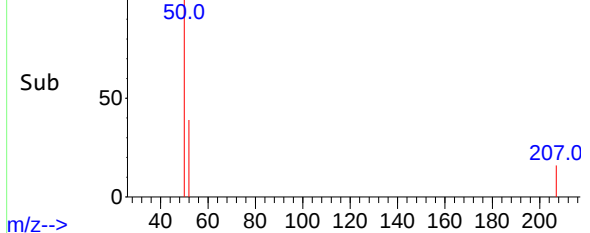
Instrument :
MSVOA_D
ClientSampleId :
TP-7

Tgt Ion: 50 Resp: 933
Ion Ratio Lower Upper
50 100
52 39.5 30.0 45.0

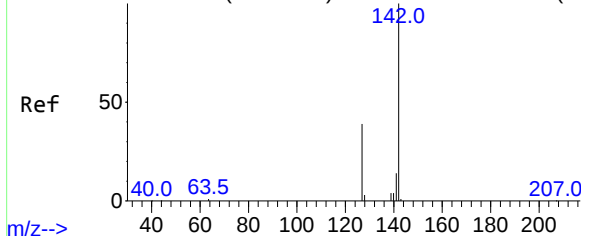
Abundance Scan 94 (2.140 min): VD074906.D\data.ms



Abundance Scan 94 (2.140 min): VD074906.D\data.ms (-44)



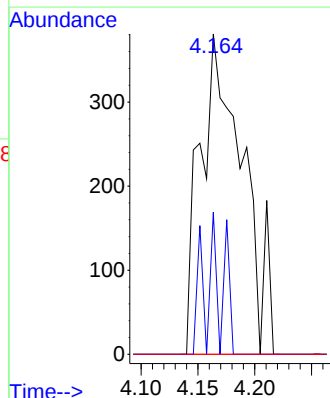
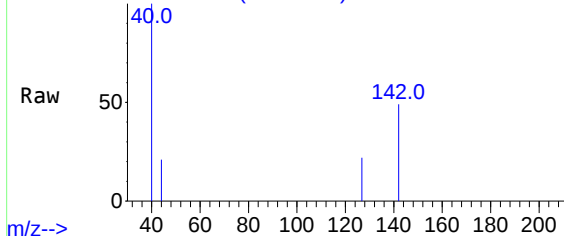
Abundance Scan 438 (4.164 min): VD074885.D\data.ms (-42)



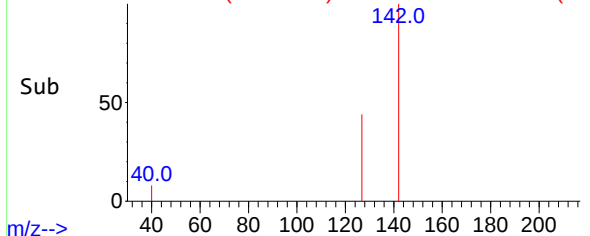
#10
Methyl Iodide
Concen: 5.098 ug/l
RT: 4.164 min Scan# 438
Delta R.T. -0.000 min
Lab File: VD074906.D
Acq: 12 Nov 2022 00:26

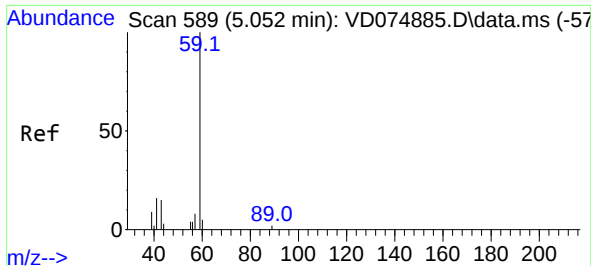
Tgt Ion: 142 Resp: 987
Ion Ratio Lower Upper
142 100
127 11.8 31.9 47.9#
141 0.0 11.4 17.2#

Abundance Scan 438 (4.164 min): VD074906.D\data.ms



Abundance Scan 438 (4.164 min): VD074906.D\data.ms (-38)

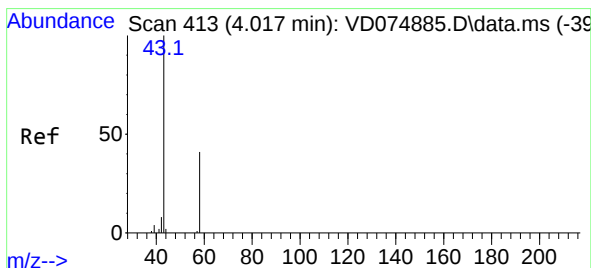
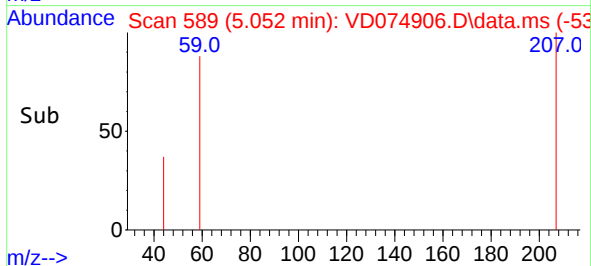
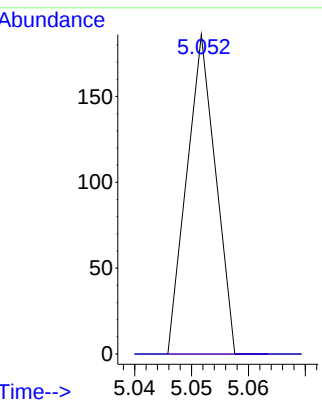
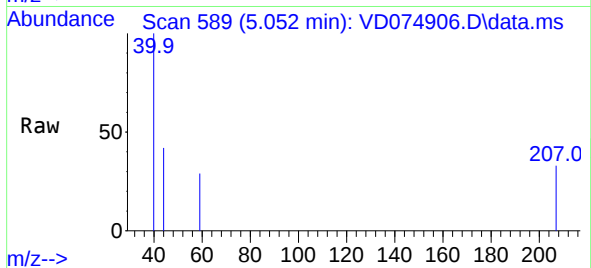




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.052 min Scan# 51
Delta R.T. -0.000 min
Lab File: VD074906.D
Acq: 12 Nov 2022 00:26

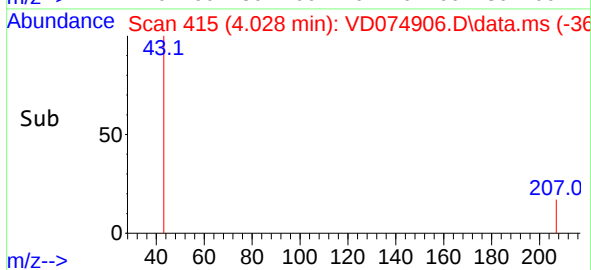
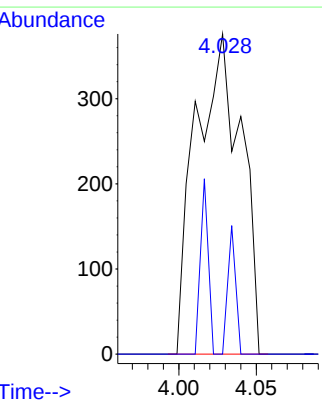
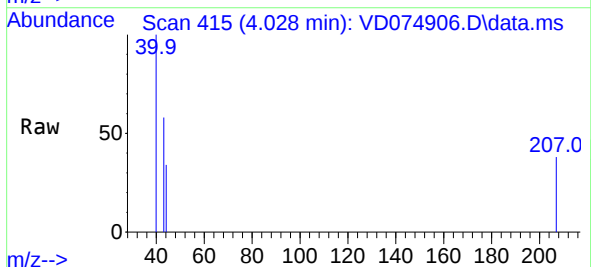
Instrument :
MSVOA_D
ClientSampleId :
TP-7

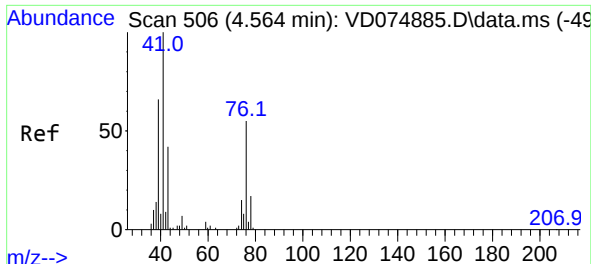
Tgt Ion: 59 Resp: 66
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#



#16
Acetone
Concen: 2.062 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.011 min
Lab File: VD074906.D
Acq: 12 Nov 2022 00:26

Tgt Ion: 43 Resp: 762
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#

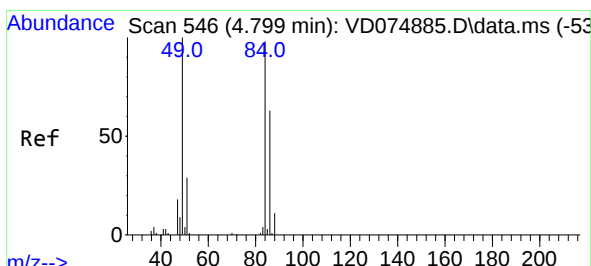
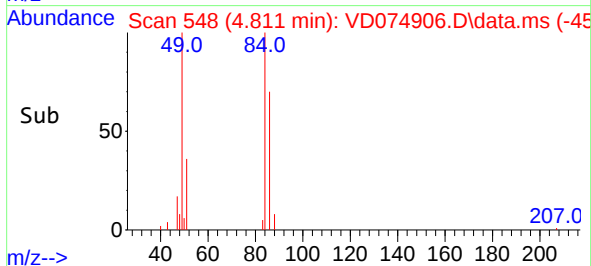
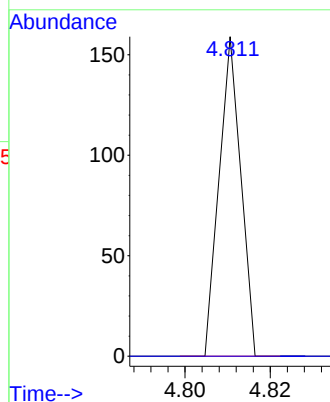
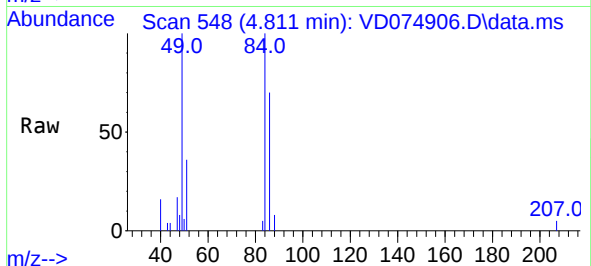




#18
Methyl Acetate
Concen: Below Cal
RT: 4.811 min Scan# 54
Delta R.T. 0.247 min
Lab File: VD074906.D
Acq: 12 Nov 2022 00:26

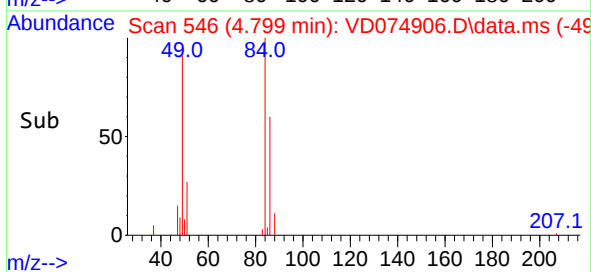
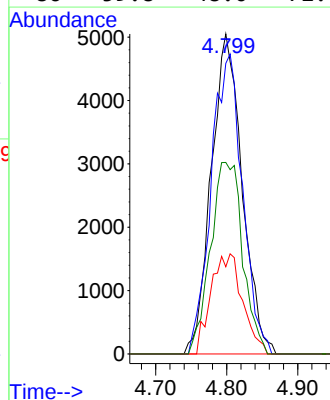
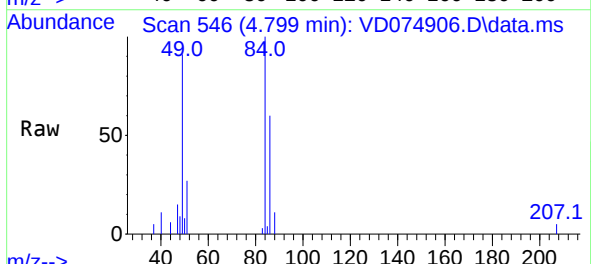
Instrument :
MSVOA_D
ClientSampleId :
TP-7

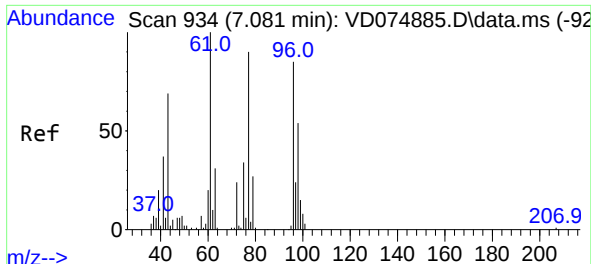
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
74 0.0 24.7 37.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD074906.D
Acq: 12 Nov 2022 00:26

Tgt Ion: 84 Resp: 15208
Ion Ratio Lower Upper
84 100
49 90.8 68.0 102.0
51 27.2 23.2 34.8
86 59.8 48.0 72.0

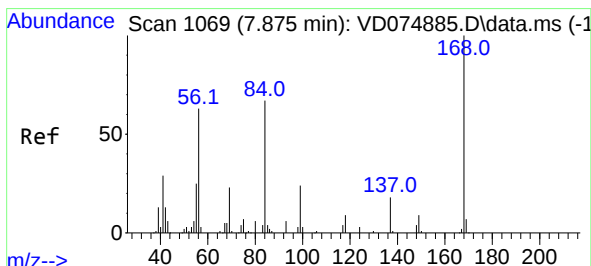
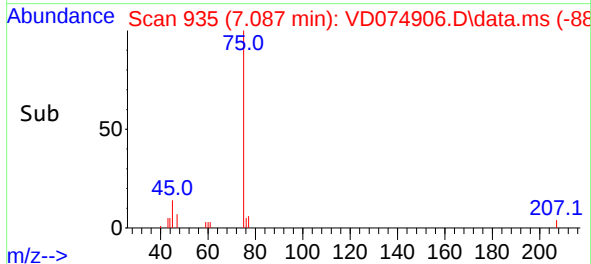
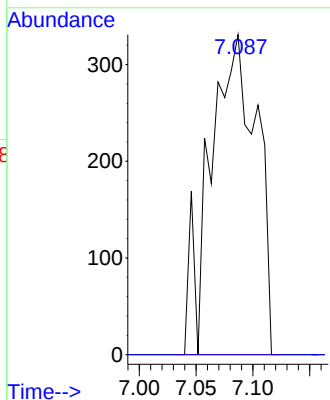
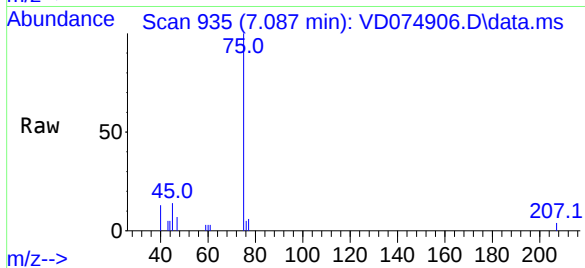




#25
2-Butanone
Concen: 1.960 ug/l
RT: 7.087 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD074906.D
Acq: 12 Nov 2022 00:26

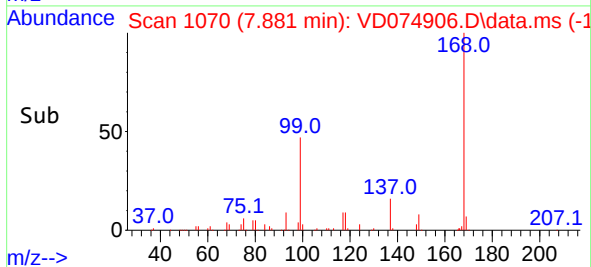
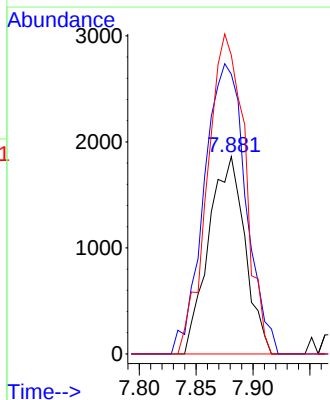
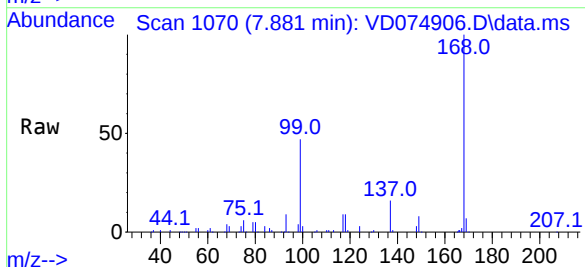
Instrument :
MSVOA_D
ClientSampleId :
TP-7

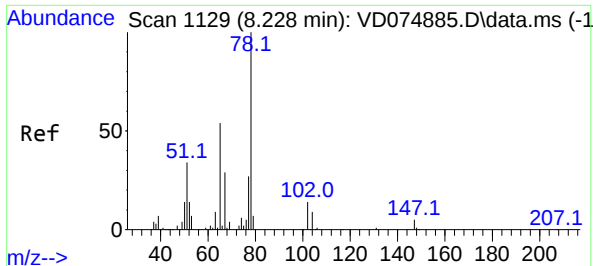
Tgt Ion: 43 Resp: 947
Ion Ratio Lower Upper
43 100
72 0.0 25.8 38.8#



#31
Cyclohexane
Concen: 1.270 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD074906.D
Acq: 12 Nov 2022 00:26

Tgt Ion: 56 Resp: 4146
Ion Ratio Lower Upper
56 100
69 141.7 29.2 43.8#
84 151.3 83.4 125.2#





#33

1,2-Dichloroethane-d4

Concen: 81.879 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD074906.D

Acq: 12 Nov 2022 00:26

Instrument :

MSVOA_D

ClientSampleId :

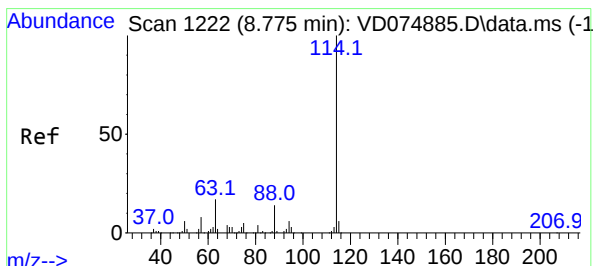
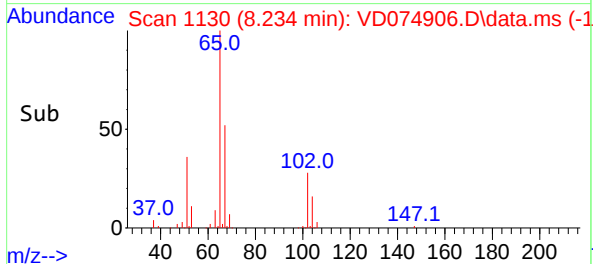
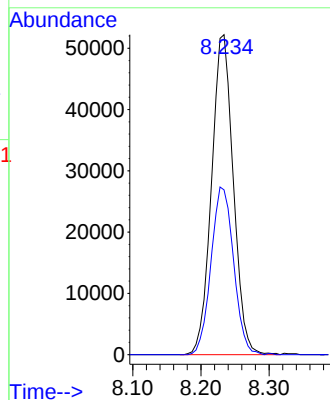
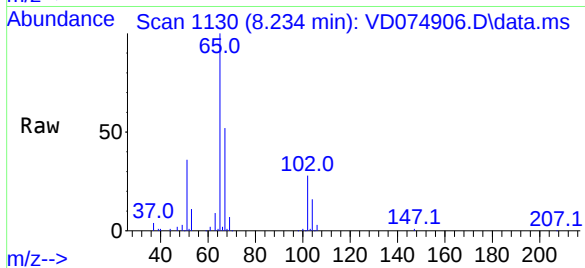
TP-7

Tgt Ion: 65 Resp: 116172

Ion Ratio Lower Upper

65 100

67 54.2 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: VD074906.D

Acq: 12 Nov 2022 00:26

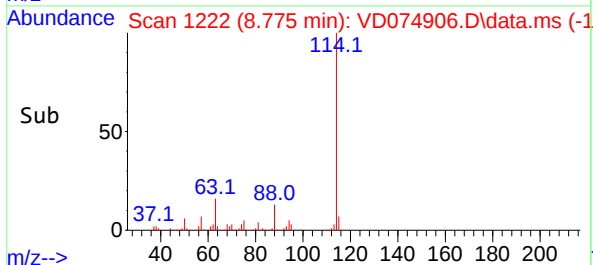
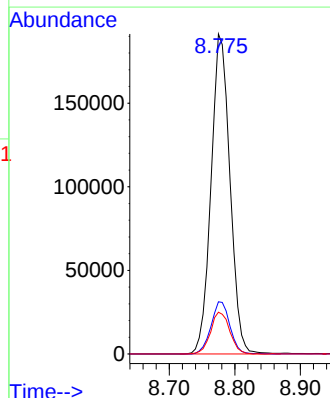
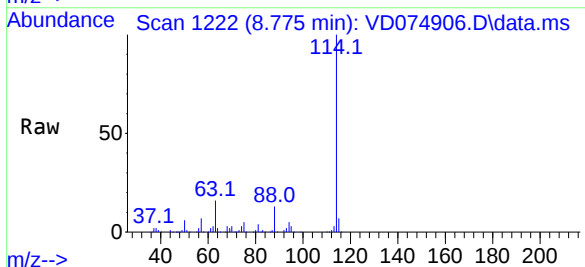
Tgt Ion: 114 Resp: 382748

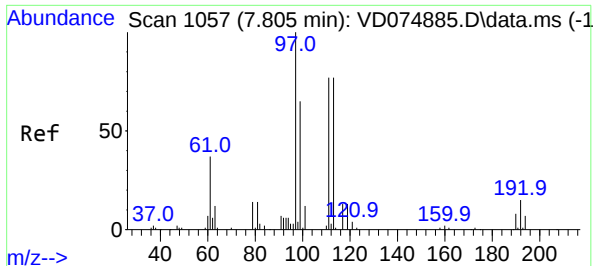
Ion Ratio Lower Upper

114 100

63 16.3 0.0 33.2

88 13.1 0.0 28.2





#35

Dibromofluoromethane

Concen: 59.342 ug/l

RT: 7.805 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD074906.D

Acq: 12 Nov 2022 00:26

Instrument :

MSVOA_D

ClientSampleId :

TP-7

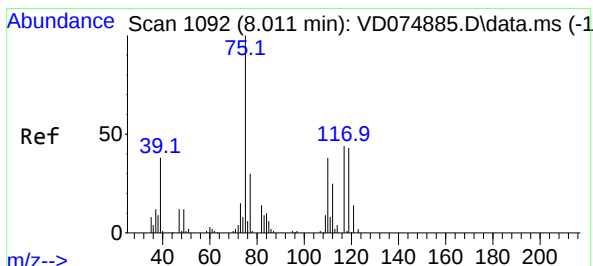
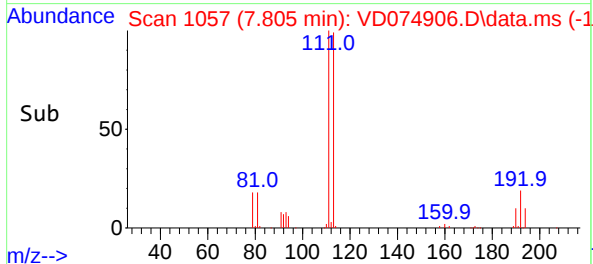
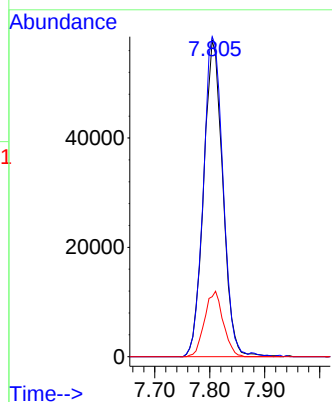
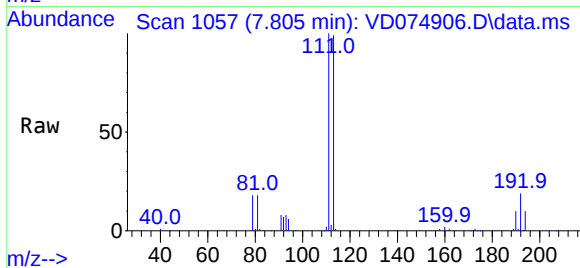
Tgt Ion:113 Resp: 140011

Ion Ratio Lower Upper

113 100

111 103.0 82.3 123.5

192 20.1 16.4 24.6



#36

1,1-Dichloropropene

Concen: 4.401 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.136 min

Lab File: VD074906.D

Acq: 12 Nov 2022 00:26

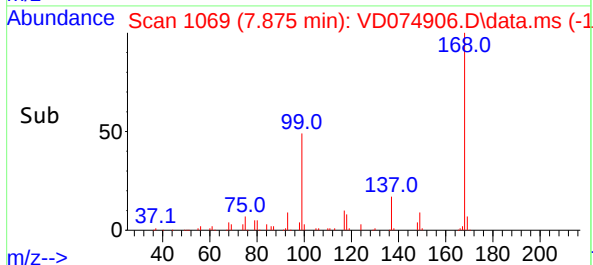
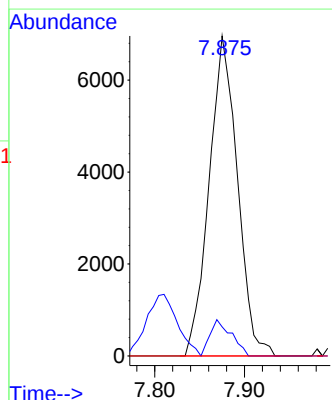
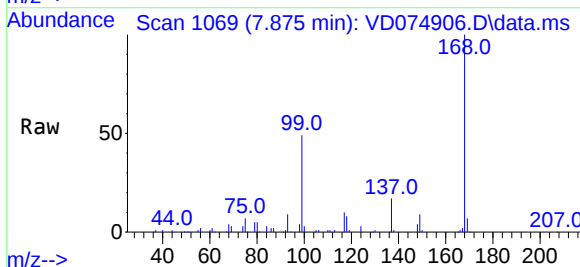
Tgt Ion: 75 Resp: 15261

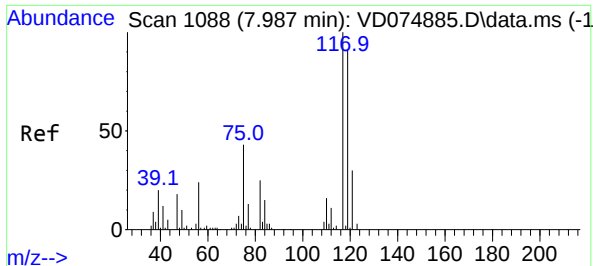
Ion Ratio Lower Upper

75 100

110 8.5 19.7 59.0#

77 0.0 25.4 38.2#

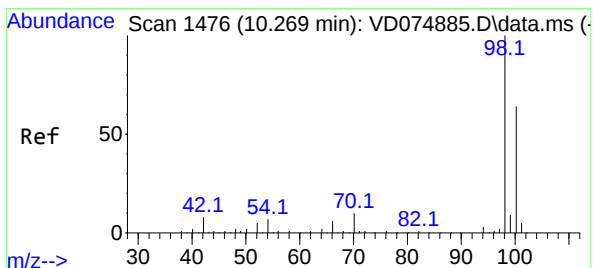
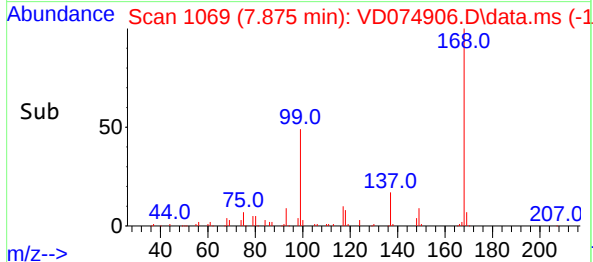
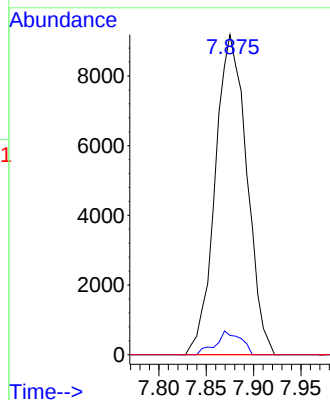
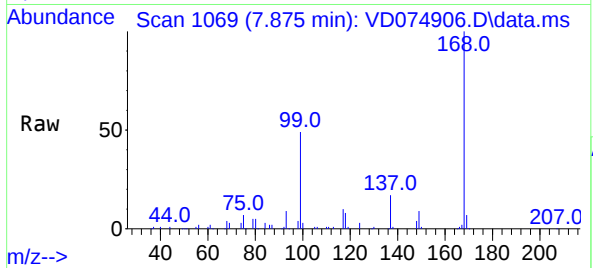




#38
Carbon Tetrachloride
Concen: 6.534 ug/l
RT: 7.875 min Scan# 1088
Delta R.T. -0.112 min
Lab File: VD074906.D
Acq: 12 Nov 2022 00:26

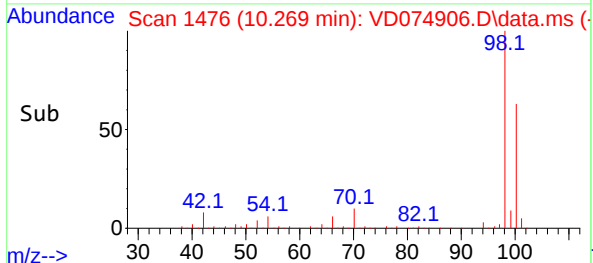
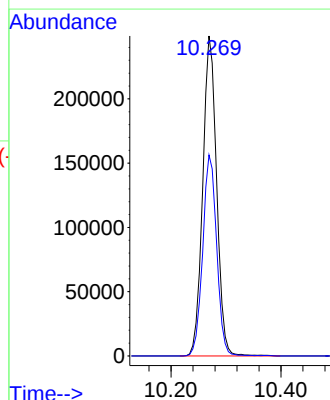
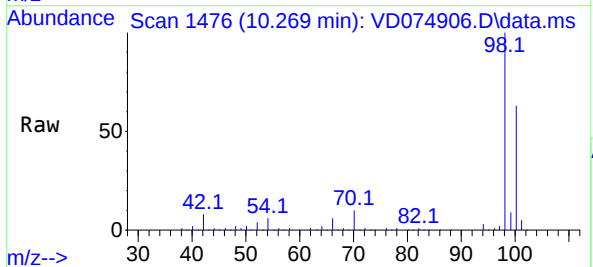
Instrument :
MSVOA_D
ClientSampleId :
TP-7

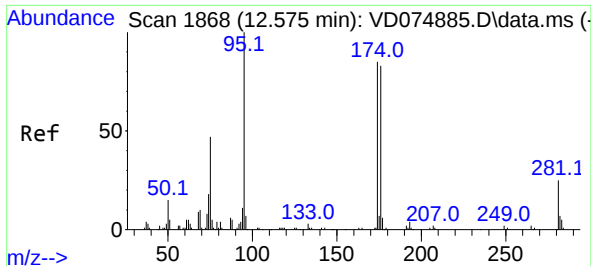
Tgt Ion:117 Resp: 21327
Ion Ratio Lower Upper
117 100
119 6.0 73.1 109.7#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 56.090 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074906.D
Acq: 12 Nov 2022 00:26

Tgt Ion: 98 Resp: 435926
Ion Ratio Lower Upper
98 100
100 63.2 51.4 77.0

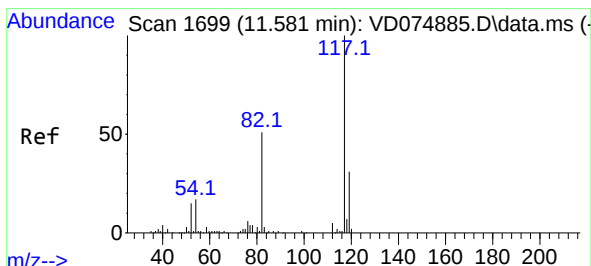
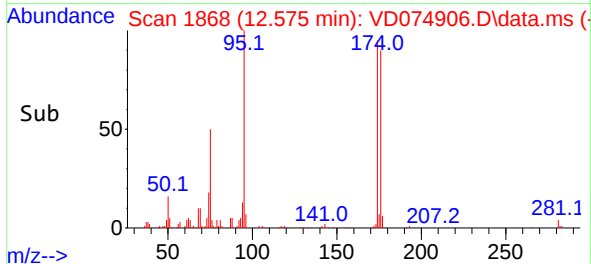
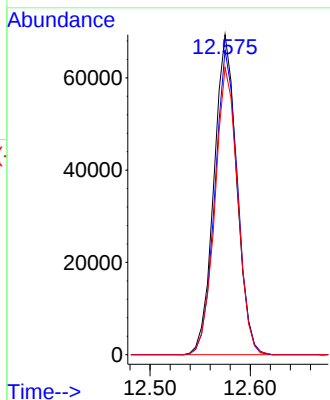
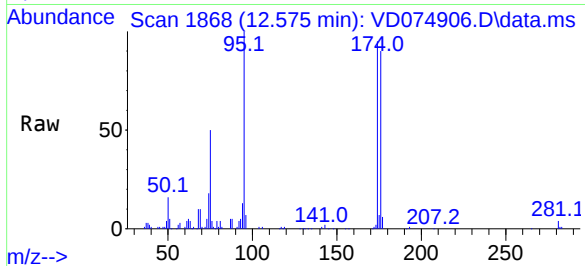




#62
4-Bromofluorobenzene
Concen: 45.725 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD074906.D
Acq: 12 Nov 2022 00:26

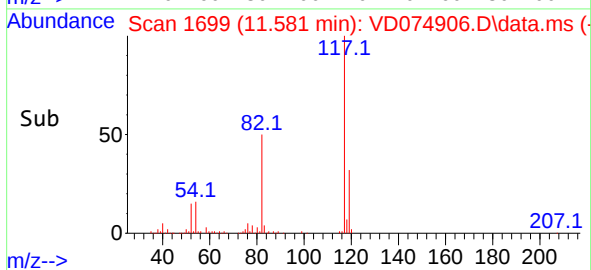
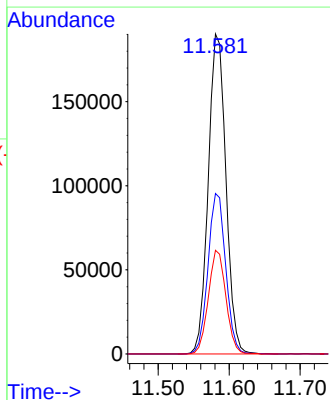
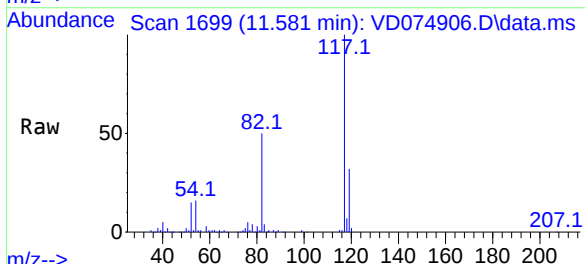
Instrument :
MSVOA_D
ClientSampleId :
TP-7

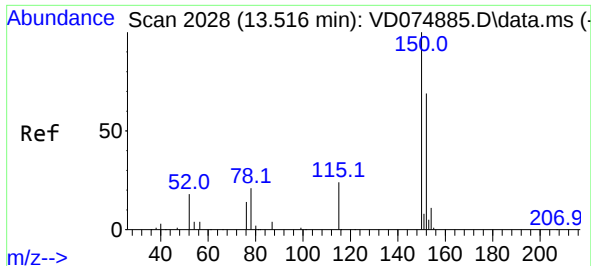
Tgt Ion: 95 Resp: 109122
Ion Ratio Lower Upper
95 100
174 94.4 0.0 197.0
176 89.8 0.0 182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074906.D
Acq: 12 Nov 2022 00:26

Tgt Ion: 117 Resp: 328866
Ion Ratio Lower Upper
117 100
82 50.2 41.6 62.4
119 32.4 25.2 37.8

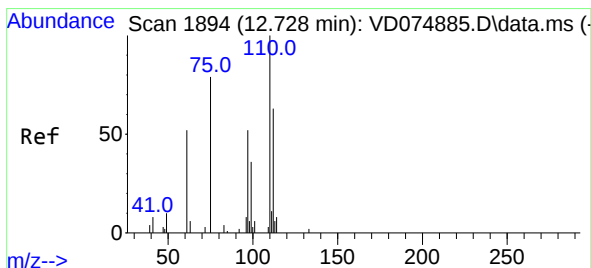
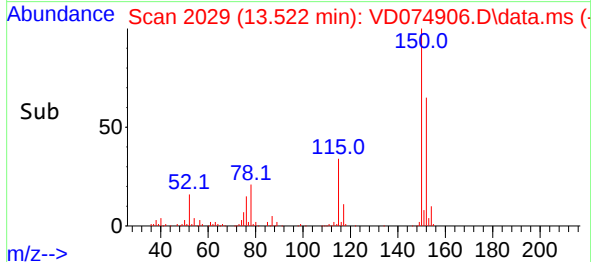
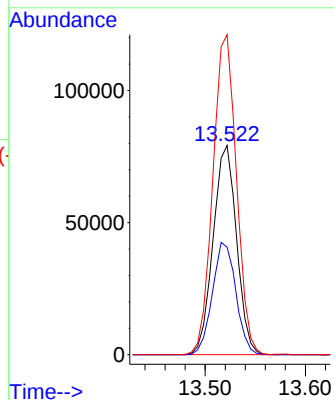
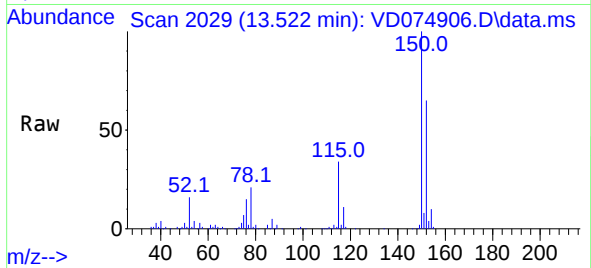




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 20
Delta R.T. 0.006 min
Lab File: VD074906.D
Acq: 12 Nov 2022 00:26

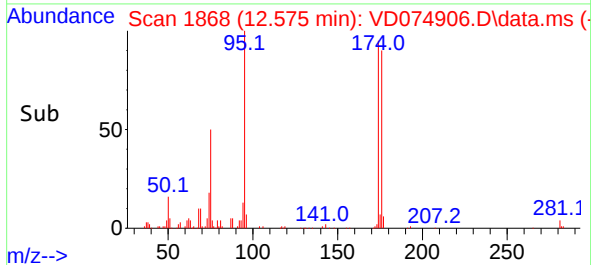
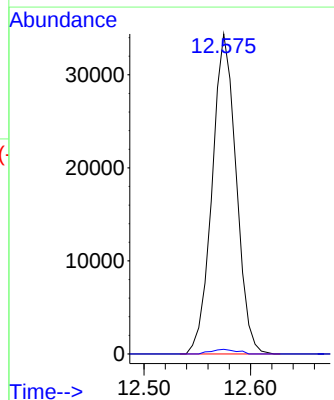
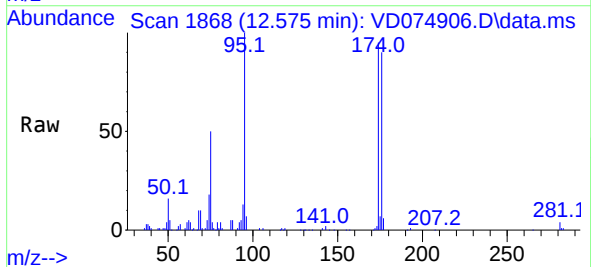
Instrument :
MSVOA_D
ClientSampleId :
TP-7

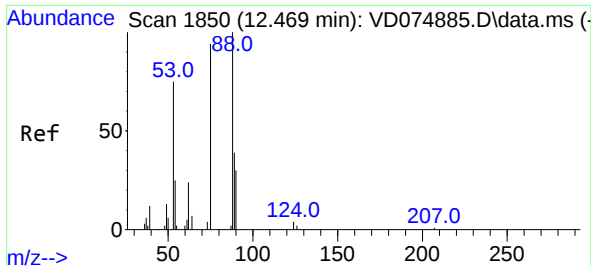
Tgt Ion:152 Resp: 128550
Ion Ratio Lower Upper
152 100
115 53.7 26.8 80.4
150 153.5 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 50.157 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD074906.D
Acq: 12 Nov 2022 00:26

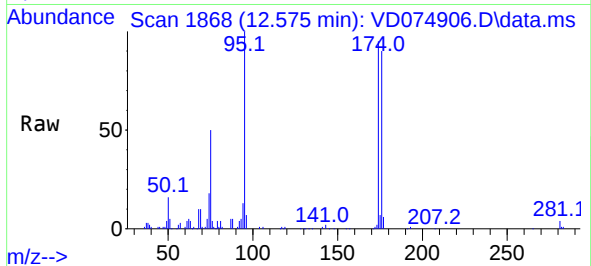
Tgt Ion: 75 Resp: 53928
Ion Ratio Lower Upper
75 100
77 1.5 185.8 557.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.387 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD074906.D
 Acq: 12 Nov 2022 00:26

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-7



Tgt Ion: 75 Resp: 53928
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.8 95.6#
 89 0.0 38.2 57.4#

