

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111122\
 Data File : VD074908.D
 Acq On : 12 Nov 2022 01:22
 Operator : VA/SY
 Sample : N5509-07
 Misc : 5.13G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-12

Quant Time: Nov 14 00:58:58 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)

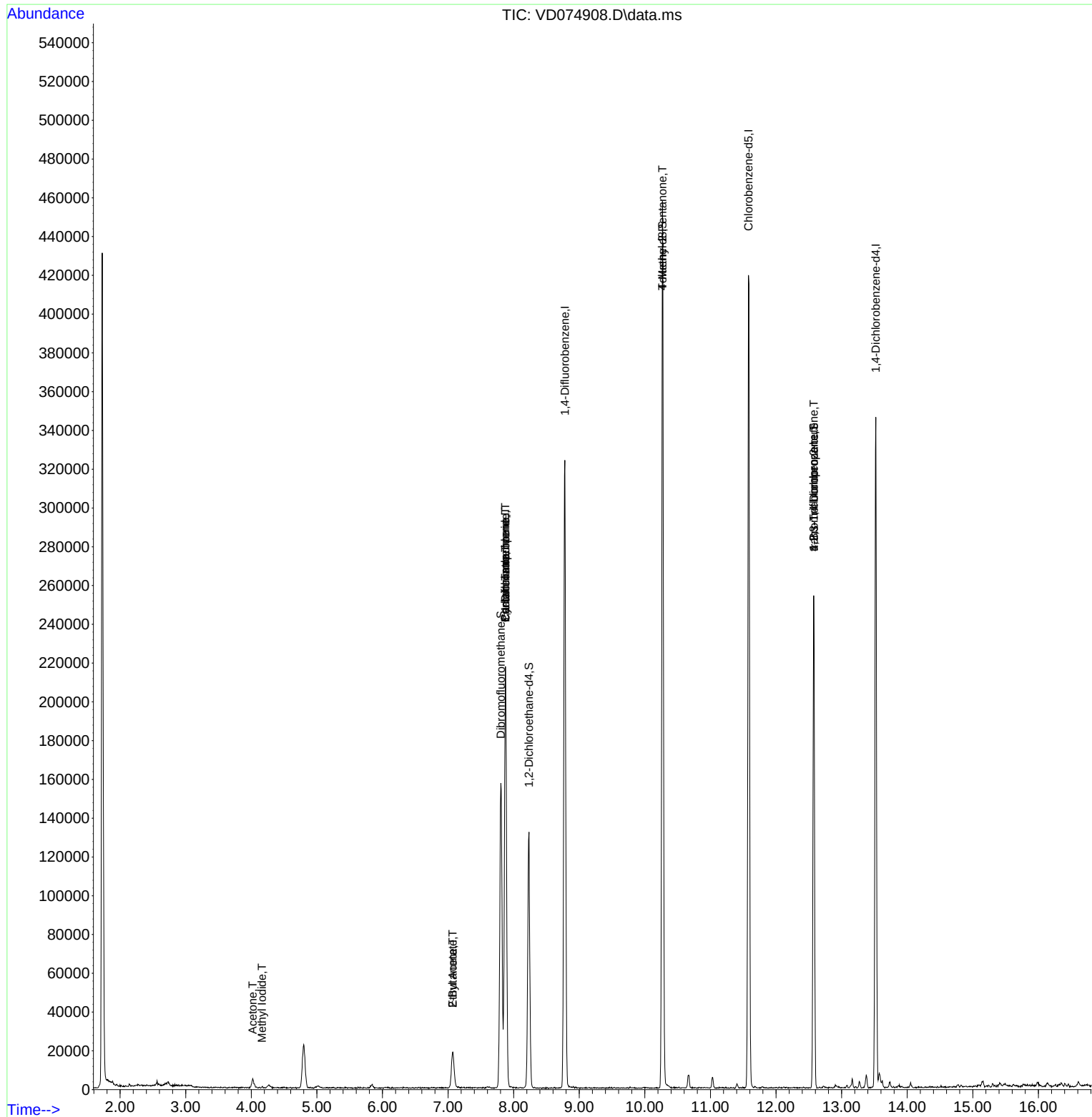
Internal Standards						
1) Pentafluorobenzene	7.875	168	179177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	309526	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	267567	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	98583	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	98124	86.776	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 173.560%#	
35) Dibromofluoromethane	7.804	113	119611	62.689	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 125.380%	
50) Toluene-d8	10.269	98	321716	51.187	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.380%	
62) 4-Bromofluorobenzene	12.575	95	77835	40.330	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 80.660%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.140	50	688	Below Cal		99
5) Bromomethane	2.687	94	1085	Below Cal		95
10) Methyl Iodide	4.163	142	440	4.952 ug/l	#	59
11) Tert butyl alcohol	5.034	59	295	Below Cal	#	84
16) Acetone	4.022	43	7237	24.467 ug/l	#	69
18) Methyl Acetate	4.569	43	135	Below Cal	#	44
20) Methylene Chloride	4.799	84	19405	Below Cal		94
25) 2-Butanone	7.069	43	2875	7.433 ug/l	#	42
31) Cyclohexane	7.875	56	3044	1.165 ug/l	#	1
36) 1,1-Dichloropropene	7.875	75	12024	4.288 ug/l	#	47
37) Ethyl Acetate	7.069	43	2875	3.055 ug/l	#	80
38) Carbon Tetrachloride	7.875	117	16530	6.262 ug/l	#	17
51) 4-Methyl-2-Pentanone	10.269	43	970	1.228 ug/l	#	1
76) 1,2,3-Trichloropropane	12.575	75	38388	46.556 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.575	75	38388	114.530 ug/l	#	17

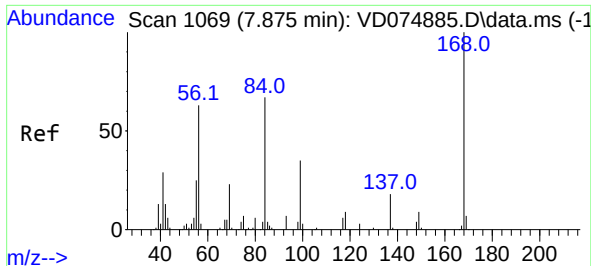
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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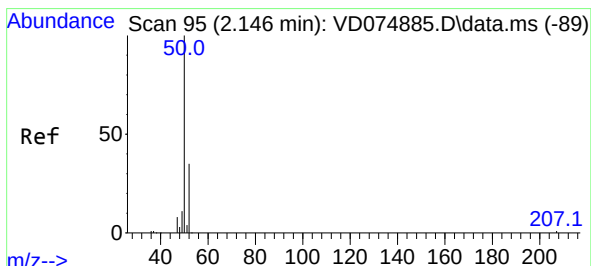
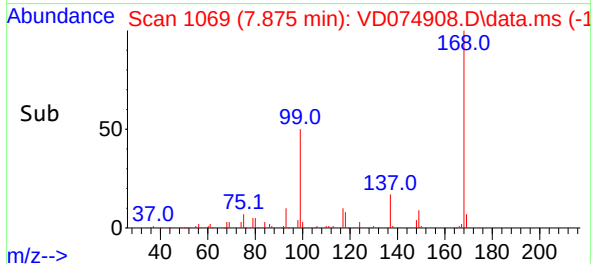
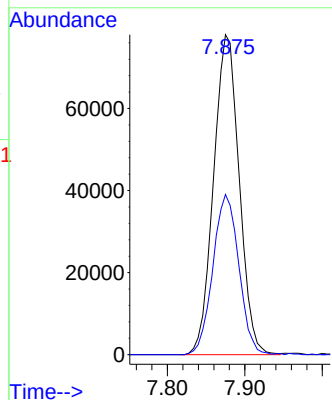
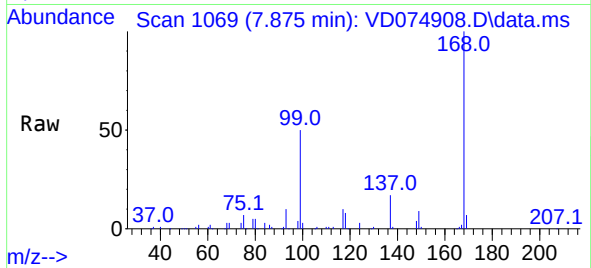




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD074908.D
Acq: 12 Nov 2022 01:22

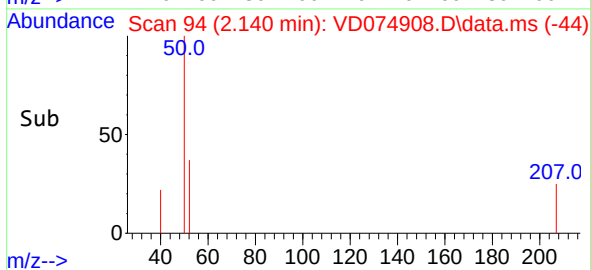
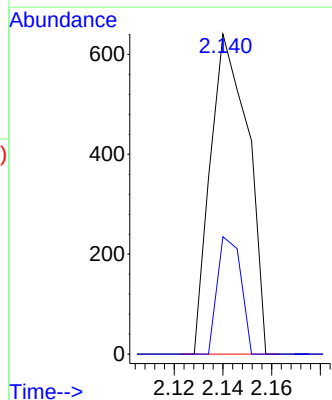
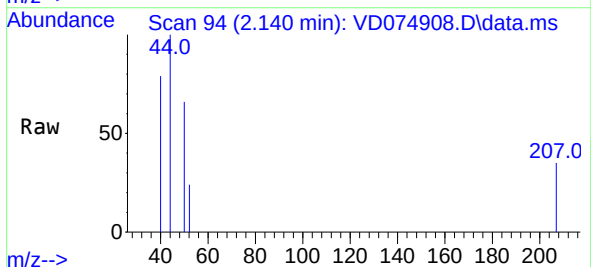
Instrument :
MSVOA_D
ClientSampleId :
TP-12

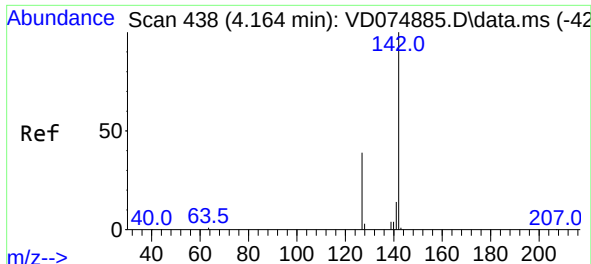
Tgt Ion:168 Resp: 179177
Ion Ratio Lower Upper
168 100
99 50.0 40.9 61.3



#3
Chloromethane
Concen: Below Cal
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD074908.D
Acq: 12 Nov 2022 01:22

Tgt Ion: 50 Resp: 688
Ion Ratio Lower Upper
50 100
52 36.7 30.0 45.0

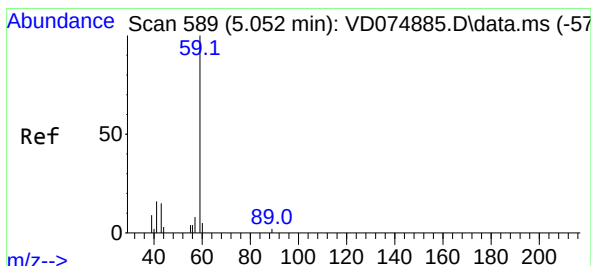
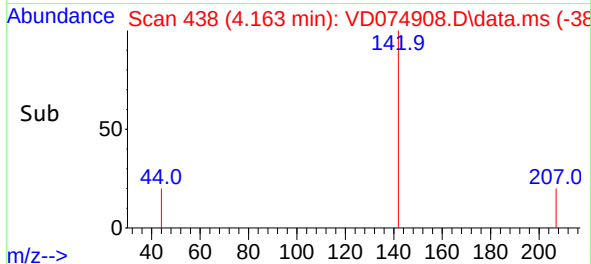
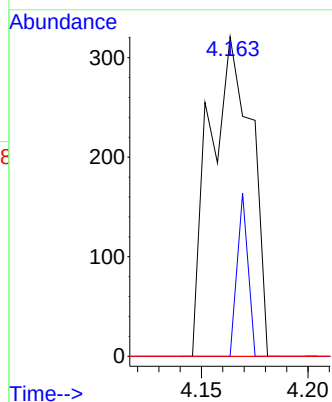
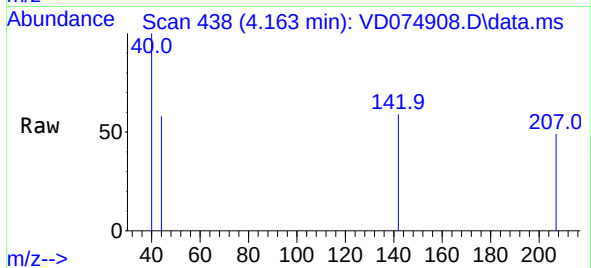




#10
Methyl Iodide
Concen: 4.952 ug/l
RT: 4.163 min Scan# 41
Delta R.T. -0.001 min
Lab File: VD074908.D
Acq: 12 Nov 2022 01:22

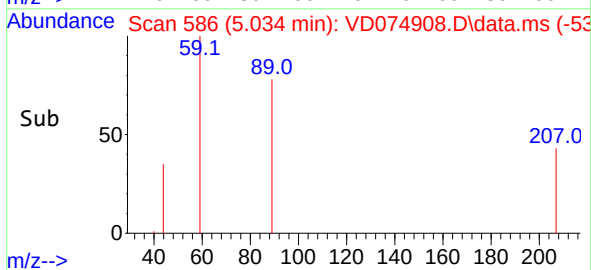
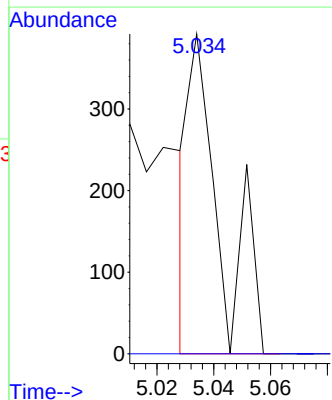
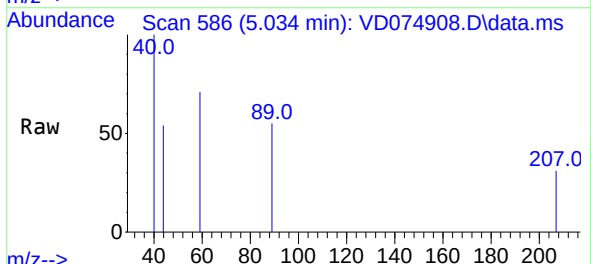
Instrument :
MSVOA_D
ClientSampleId :
TP-12

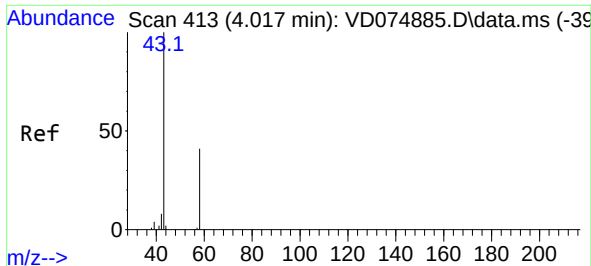
Tgt Ion:142 Resp: 440
Ion Ratio Lower Upper
142 100
127 13.2 31.9 47.9#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.034 min Scan# 586
Delta R.T. -0.018 min
Lab File: VD074908.D
Acq: 12 Nov 2022 01:22

Tgt Ion: 59 Resp: 295
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#

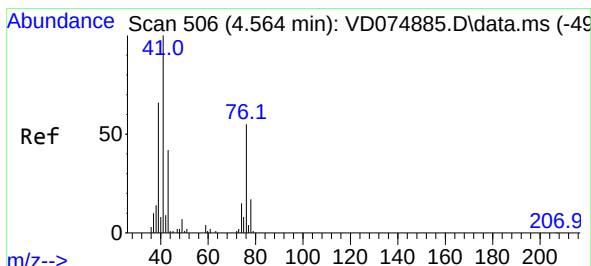
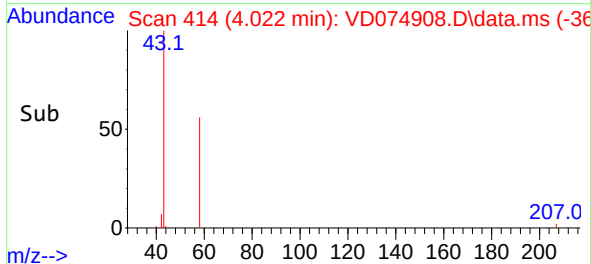
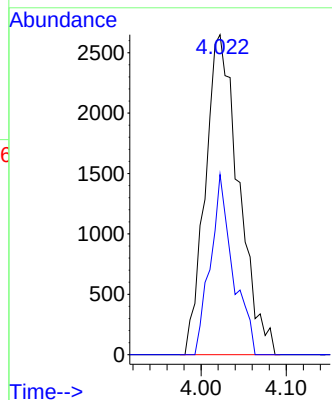
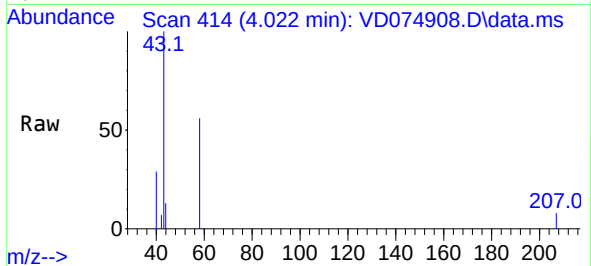




#16
Acetone
Concen: 24.467 ug/l
RT: 4.022 min Scan# 41
Delta R.T. 0.005 min
Lab File: VD074908.D
Acq: 12 Nov 2022 01:22

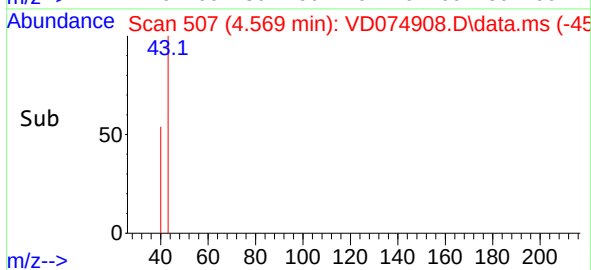
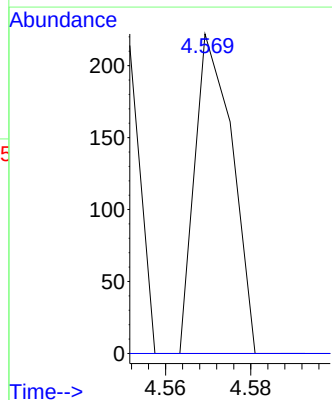
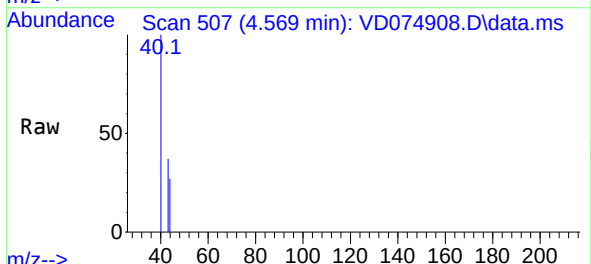
Instrument :
MSVOA_D
ClientSampleId :
TP-12

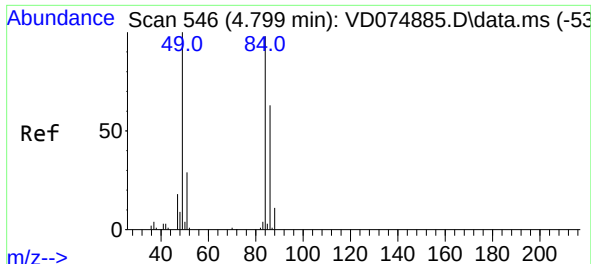
Tgt Ion: 43 Resp: 7237
Ion Ratio Lower Upper
43 100
58 56.3 30.2 45.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.569 min Scan# 507
Delta R.T. 0.005 min
Lab File: VD074908.D
Acq: 12 Nov 2022 01:22

Tgt Ion: 43 Resp: 135
Ion Ratio Lower Upper
43 100
74 0.0 24.7 37.1#

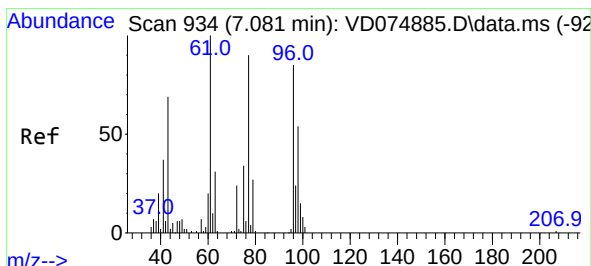
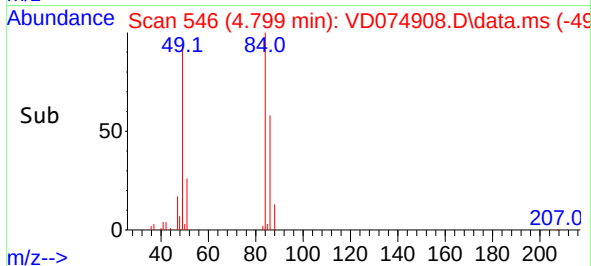
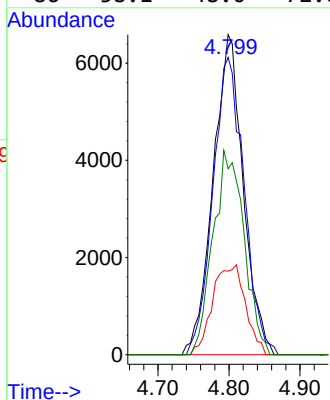
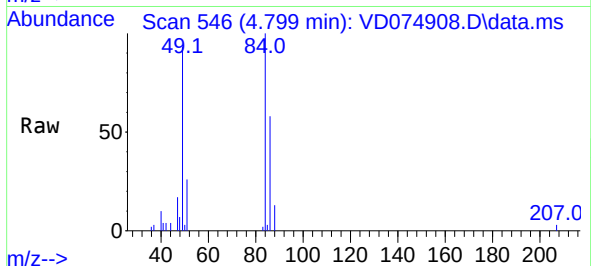




#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD074908.D
Acq: 12 Nov 2022 01:22

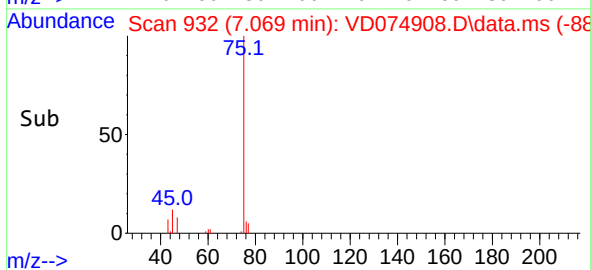
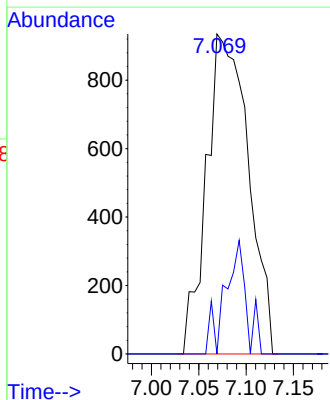
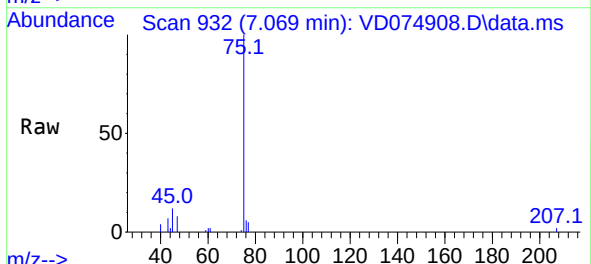
Instrument :
MSVOA_D
ClientSampleId :
TP-12

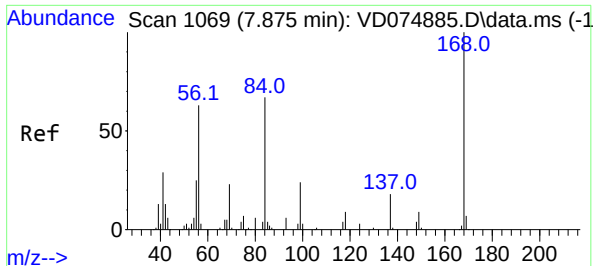
Tgt Ion:	84	Resp:	19405
Ion	Ratio	Lower	Upper
84	100		
49	92.9	68.0	102.0
51	26.1	23.2	34.8
86	58.1	48.0	72.0



#25
2-Butanone
Concen: 7.433 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.012 min
Lab File: VD074908.D
Acq: 12 Nov 2022 01:22

Tgt Ion:	43	Resp:	2875
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.8	38.8#

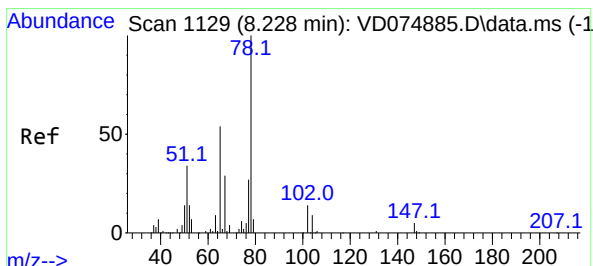
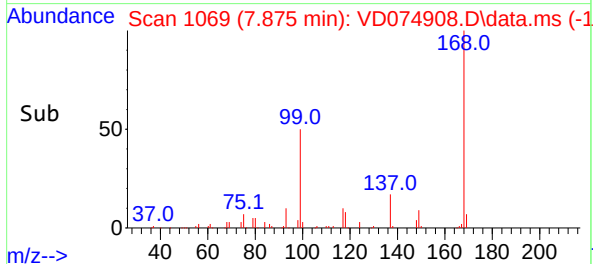
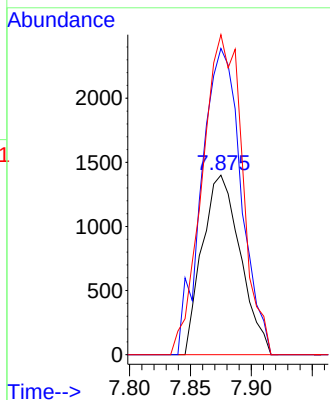
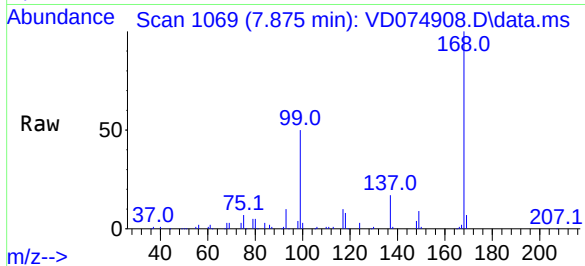




#31
Cyclohexane
Concen: 1.165 ug/l
RT: 7.875 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD074908.D
Acq: 12 Nov 2022 01:22

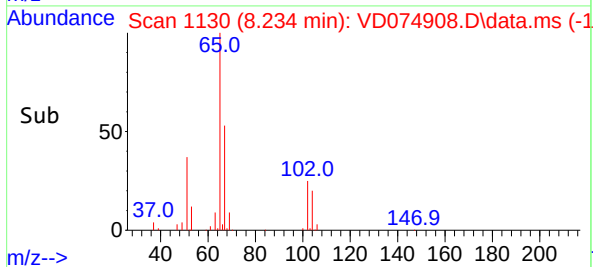
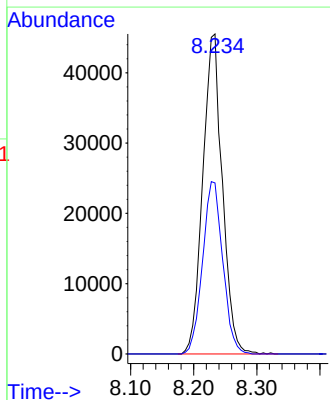
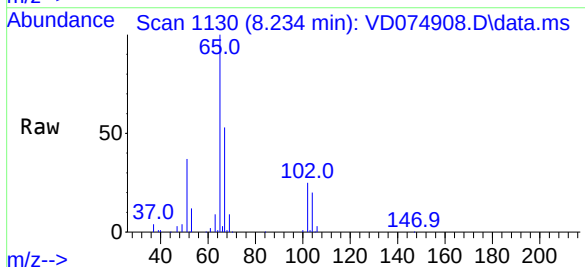
Instrument :
MSVOA_D
ClientSampleId :
TP-12

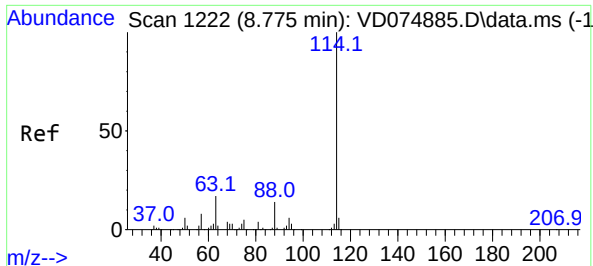
Tgt Ion: 56 Resp: 3044
Ion Ratio Lower Upper
56 100
69 170.6 29.2 43.8#
84 178.3 83.4 125.2#



#33
1,2-Dichloroethane-d4
Concen: 86.776 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD074908.D
Acq: 12 Nov 2022 01:22

Tgt Ion: 65 Resp: 98124
Ion Ratio Lower Upper
65 100
67 55.4 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD074908.D

Acq: 12 Nov 2022 01:22

Instrument :

MSVOA_D

ClientSampleId :

TP-12

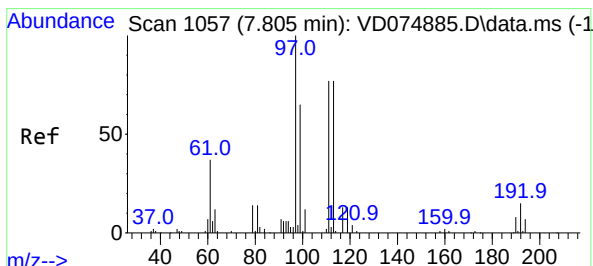
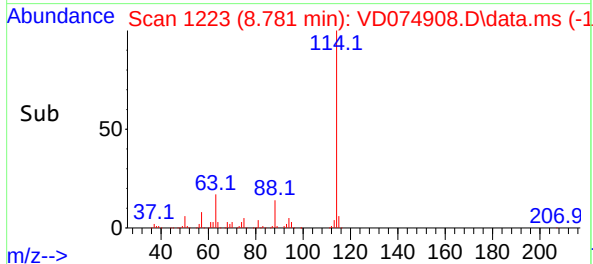
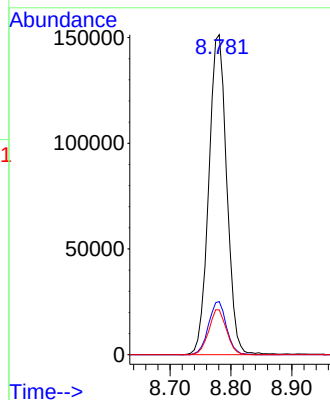
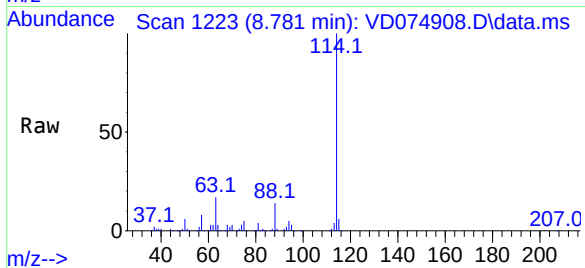
Tgt Ion:114 Resp: 309526

Ion Ratio Lower Upper

114 100

63 16.6 0.0 33.2

88 14.0 0.0 28.2



#35

Dibromofluoromethane

Concen: 62.689 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD074908.D

Acq: 12 Nov 2022 01:22

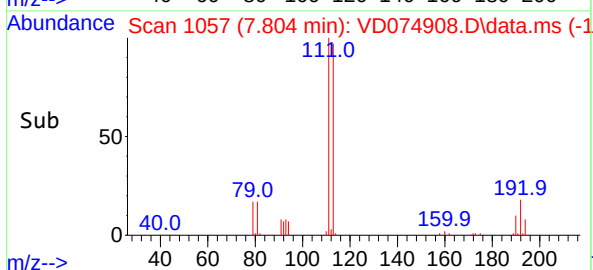
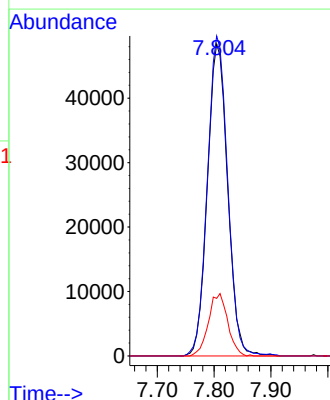
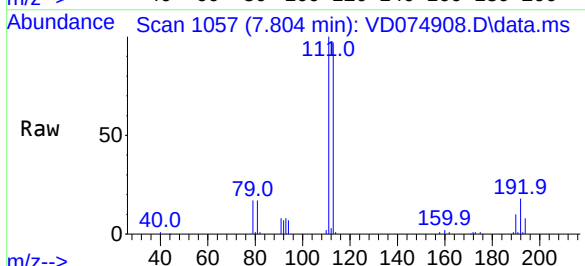
Tgt Ion:113 Resp: 119611

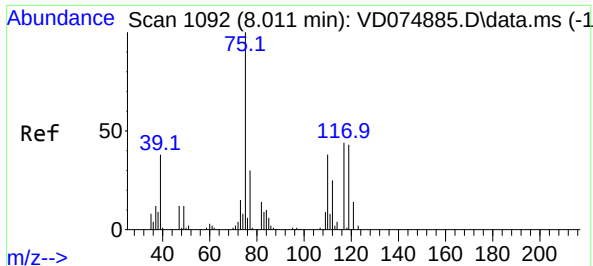
Ion Ratio Lower Upper

113 100

111 102.9 82.3 123.5

192 19.1 16.4 24.6

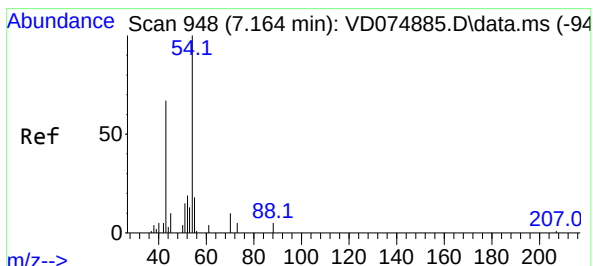
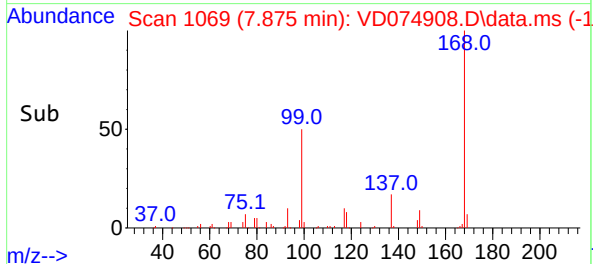
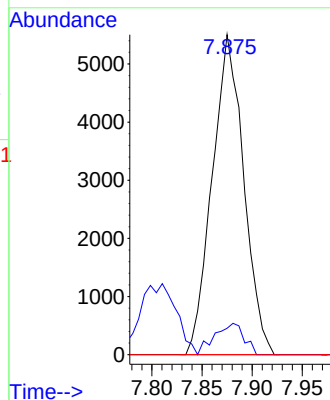
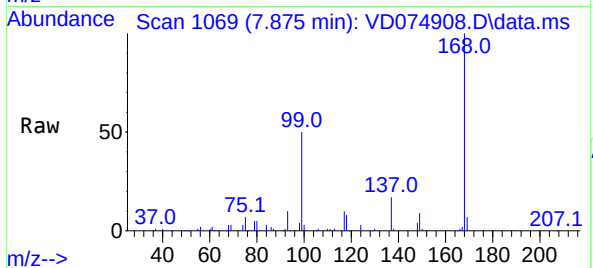




#36
1,1-Dichloropropene
Concen: 4.288 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.136 min
Lab File: VD074908.D
Acq: 12 Nov 2022 01:22

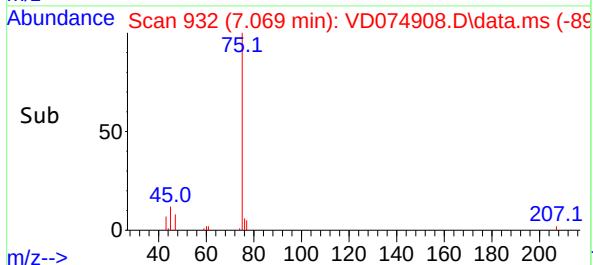
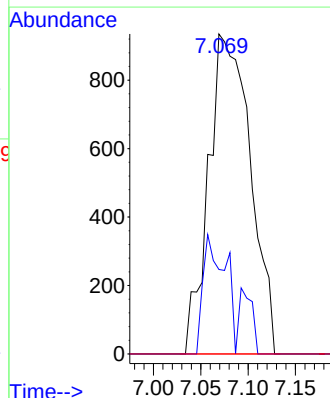
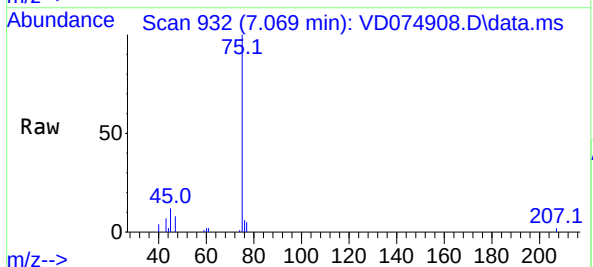
Instrument :
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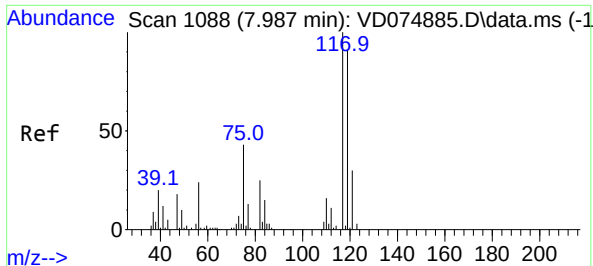
Tgt Ion: 75 Resp: 12024
Ion Ratio Lower Upper
75 100
110 9.1 19.7 59.0#
77 0.0 25.4 38.2#



#37
Ethyl Acetate
Concen: 3.055 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.095 min
Lab File: VD074908.D
Acq: 12 Nov 2022 01:22

Tgt Ion: 43 Resp: 2875
Ion Ratio Lower Upper
43 100
61 19.7 12.2 18.4#
70 0.0 9.6 14.4#

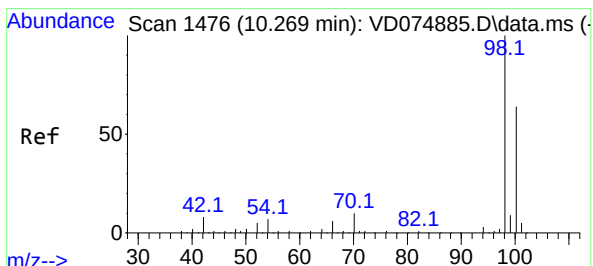
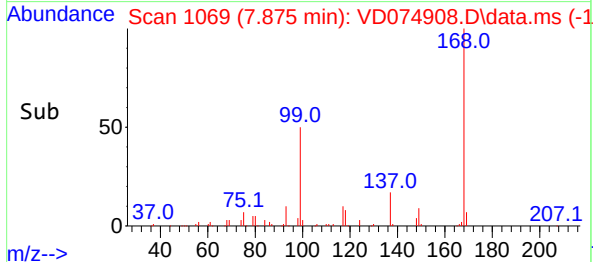
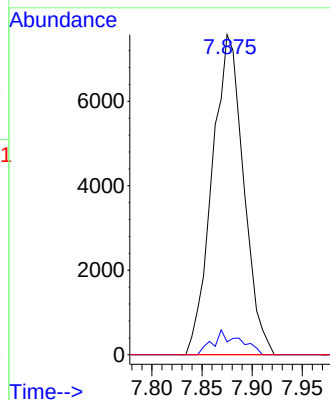
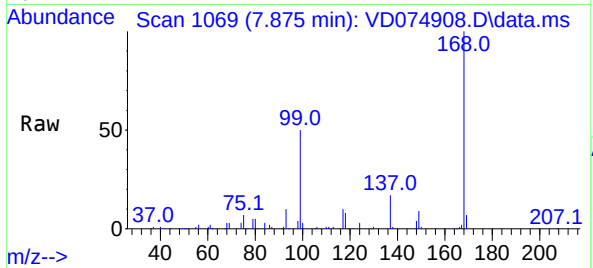




#38
Carbon Tetrachloride
Concen: 6.262 ug/l
RT: 7.875 min Scan# 1088
Delta R.T. -0.112 min
Lab File: VD074908.D
Acq: 12 Nov 2022 01:22

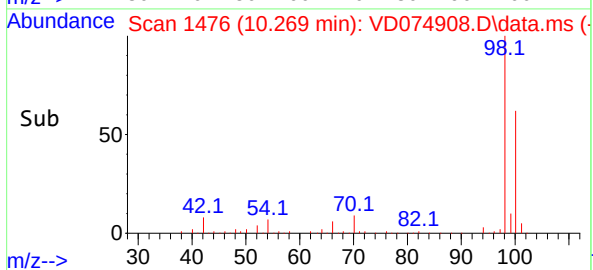
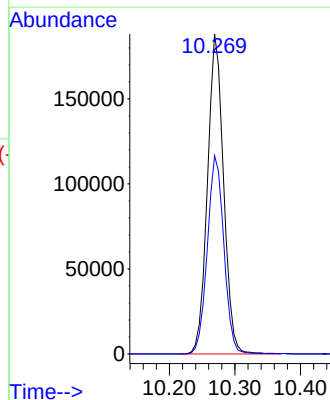
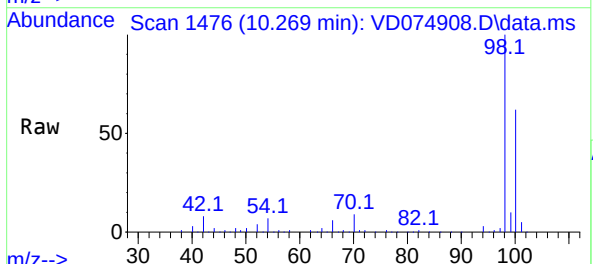
Instrument :
MSVOA_D
ClientSampleId :
TP-12

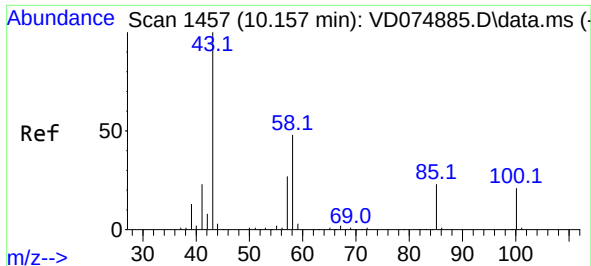
Tgt Ion:117 Resp: 16530
Ion Ratio Lower Upper
117 100
119 4.0 73.1 109.7#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 51.187 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD074908.D
Acq: 12 Nov 2022 01:22

Tgt Ion: 98 Resp: 321716
Ion Ratio Lower Upper
98 100
100 63.6 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 1.228 ug/l

RT: 10.269 min Scan# 1457

Delta R.T. 0.112 min

Lab File: VD074908.D

Acq: 12 Nov 2022 01:22

Instrument :

MSVOA_D

ClientSampleId :

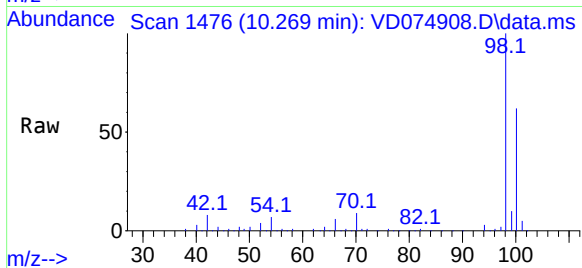
TP-12

Tgt Ion: 43 Resp: 970

Ion Ratio Lower Upper

43 100

58 225.9 37.8 56.6#

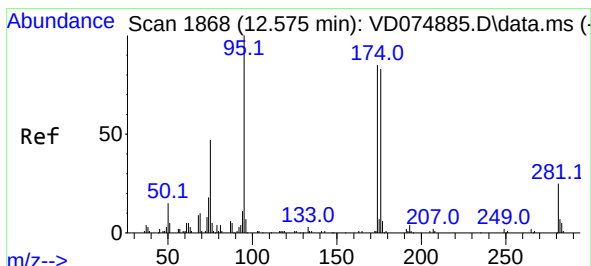
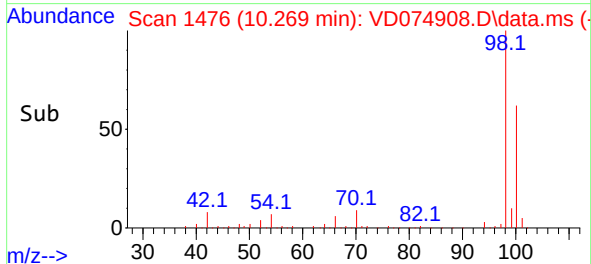


Abundance

1000

10.269

Time-->



#62

4-Bromofluorobenzene

Concen: 40.330 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD074908.D

Acq: 12 Nov 2022 01:22

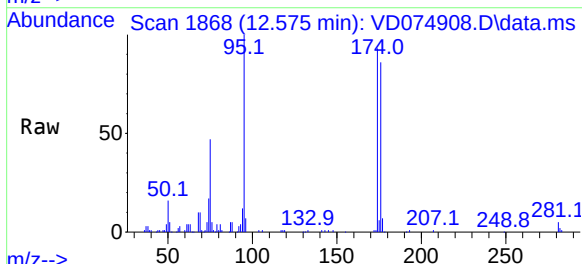
Tgt Ion: 95 Resp: 77835

Ion Ratio Lower Upper

95 100

174 94.1 0.0 197.0

176 89.1 0.0 182.6

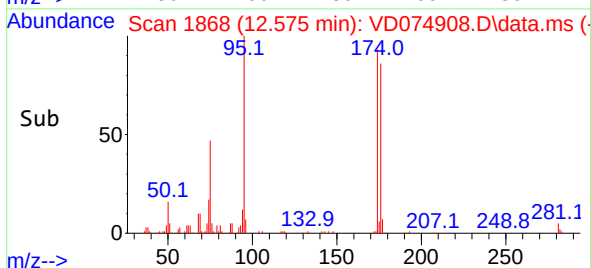


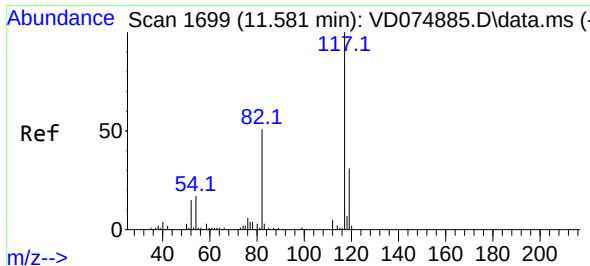
Abundance

40000

12.575

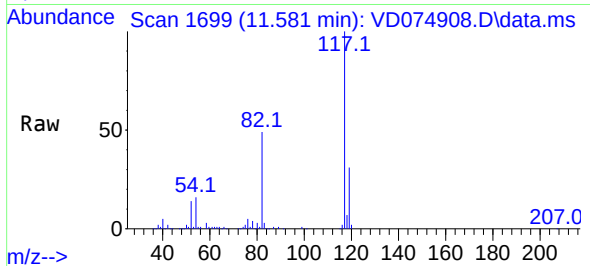
Time-->



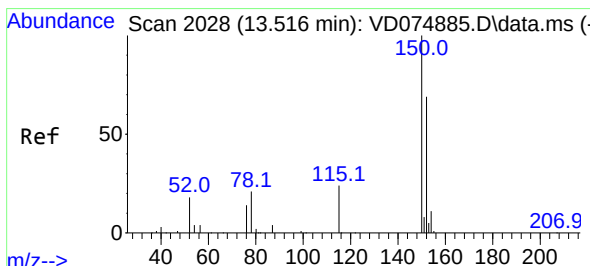
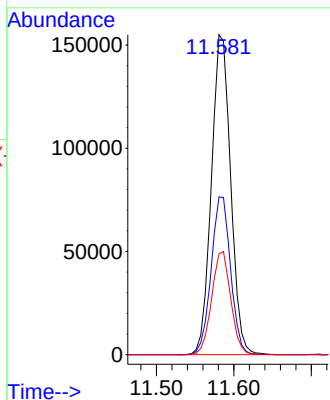
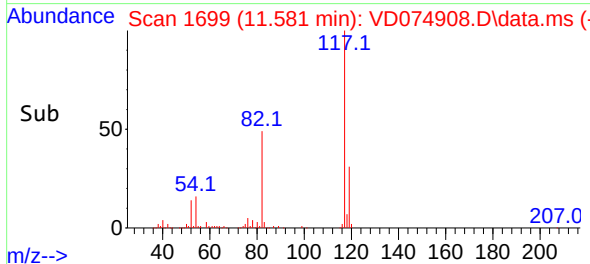


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD074908.D
Acq: 12 Nov 2022 01:22

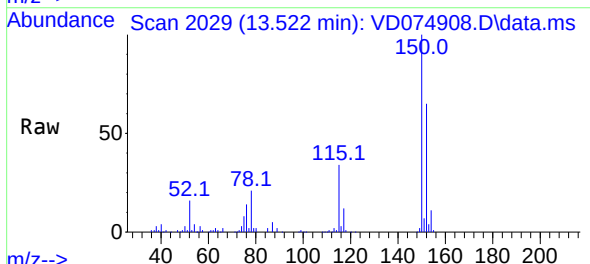
Instrument :
MSVOA_D
ClientSampleId :
TP-12



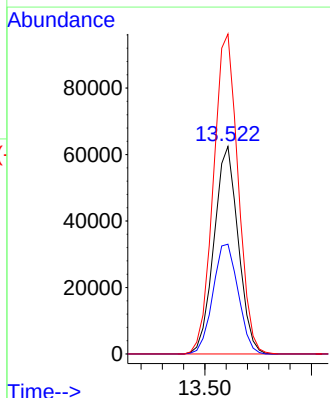
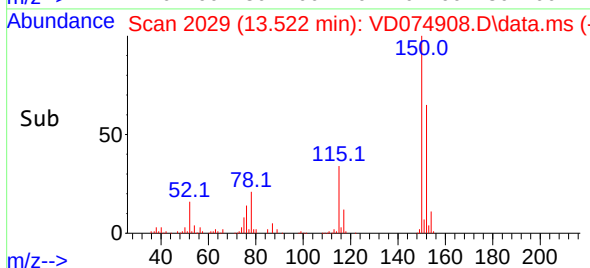
Tgt Ion:117 Resp: 267567
Ion Ratio Lower Upper
117 100
82 49.3 41.6 62.4
119 31.5 25.2 37.8

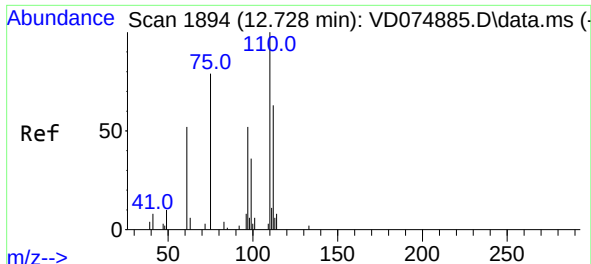


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD074908.D
Acq: 12 Nov 2022 01:22



Tgt Ion:152 Resp: 98583
Ion Ratio Lower Upper
152 100
115 55.3 26.8 80.4
150 156.6 0.0 348.2

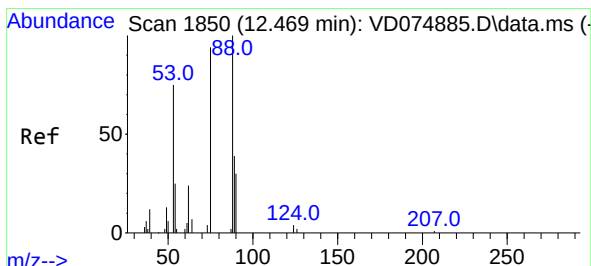
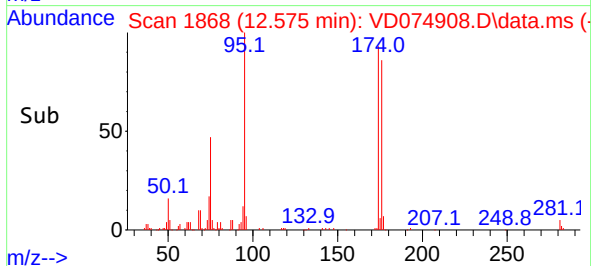
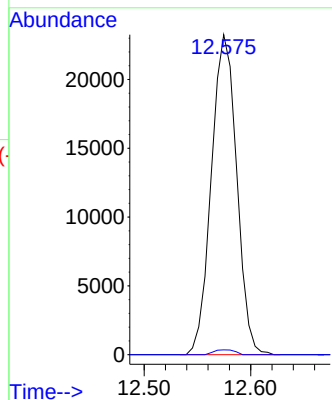
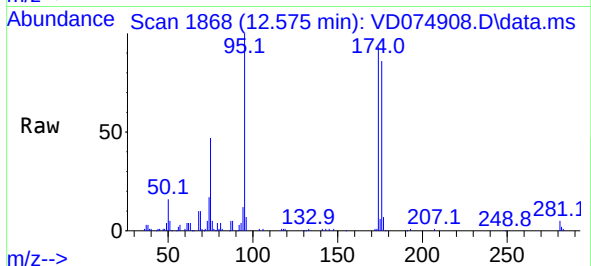




#76
1,2,3-Trichloropropane
Concen: 46.556 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD074908.D
Acq: 12 Nov 2022 01:22

Instrument :
MSVOA_D
ClientSampleId :
TP-12

Tgt Ion: 75 Resp: 38388
Ion Ratio Lower Upper
75 100
77 1.3 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 114.530 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD074908.D
Acq: 12 Nov 2022 01:22

Tgt Ion: 75 Resp: 38388
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

