

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111122\
 Data File : VD074912.D
 Acq On : 12 Nov 2022 03:14
 Operator : VA/SY
 Sample : N5607-05
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-37

Quant Time: Nov 14 00:59:32 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)

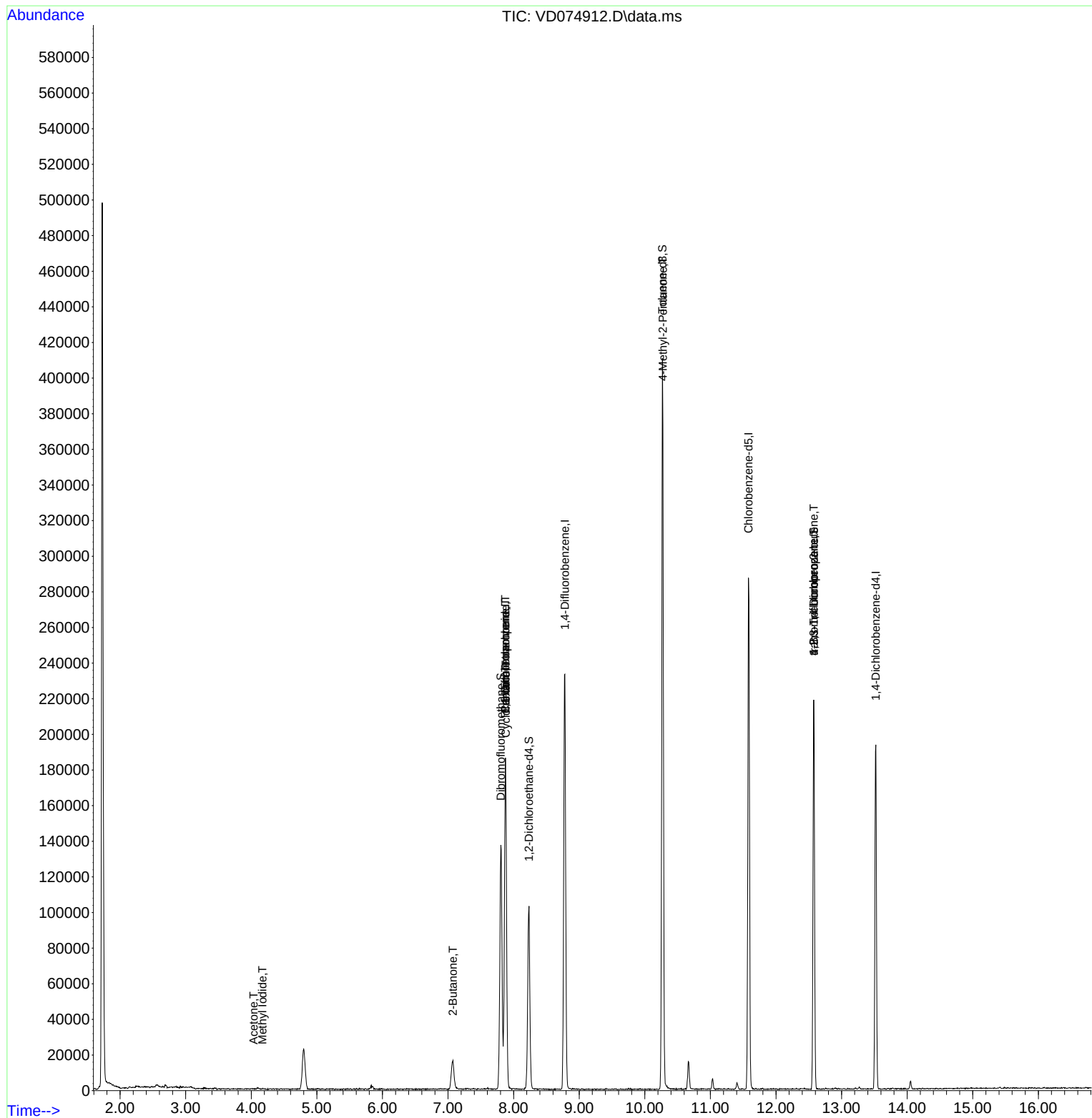
Internal Standards						
1) Pentafluorobenzene	7.875	168	150753	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	231264	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	185203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	57309	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	79776	83.625	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 167.260%#	
35) Dibromofluoromethane	7.805	113	99352	69.692	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 139.380%	
50) Toluene-d8	10.269	98	290524	61.867	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 123.740%	
62) 4-Bromofluorobenzene	12.575	95	63712	44.184	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 88.360%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.140	50	579	Below Cal	#	54
5) Bromomethane	2.693	94	922	Below Cal	#	53
10) Methyl Iodide	4.169	142	356	4.945	ug/l #	43
11) Tert butyl alcohol	5.011	59	76	Below Cal	#	84
16) Acetone	4.034	43	421	1.692	ug/l #	37
20) Methylene Chloride	4.799	84	19901	Below Cal		94
25) 2-Butanone	7.075	43	574	1.764	ug/l #	42
31) Cyclohexane	7.881	56	2723	1.239	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	10322	4.927	ug/l #	48
38) Carbon Tetrachloride	7.875	117	14111	7.155	ug/l #	17
51) 4-Methyl-2-Pentanone	10.275	43	911	1.543	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	31942	66.638	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	31942	163.932	ug/l #	17

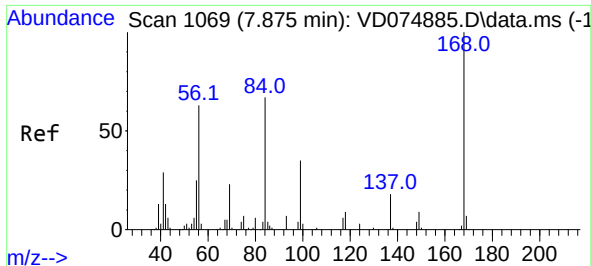
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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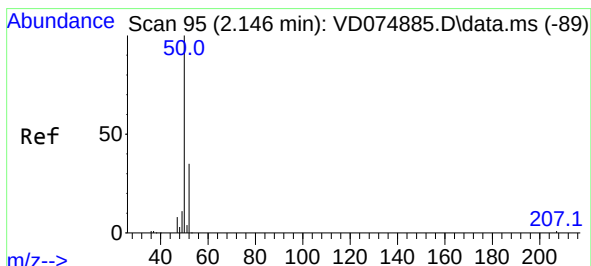
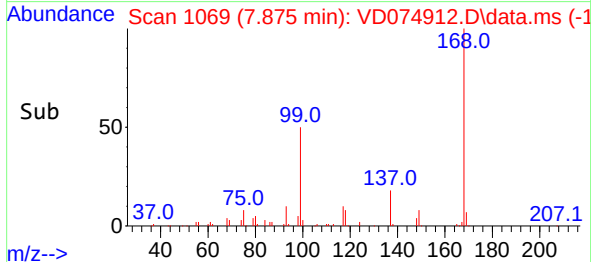
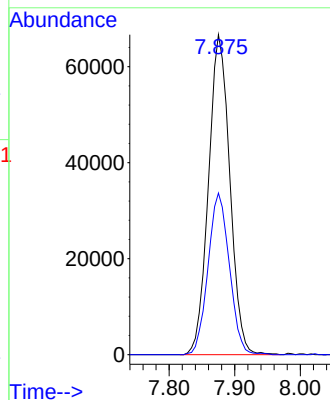
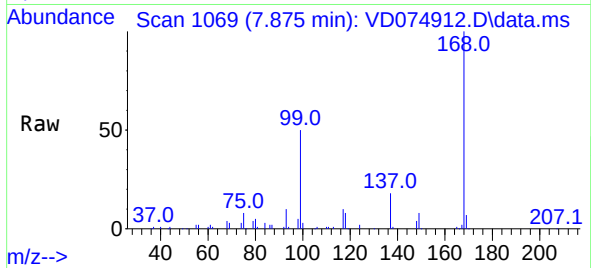




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074912.D
Acq: 12 Nov 2022 03:14

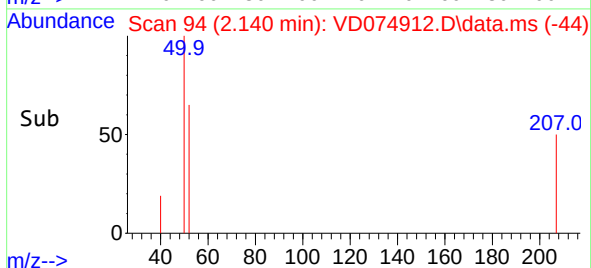
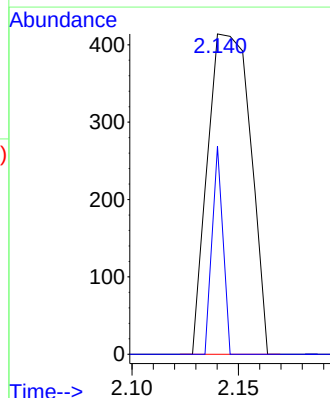
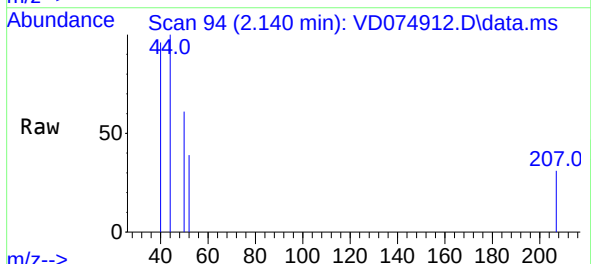
Instrument :
MSVOA_D
ClientSampleId :
SB-37

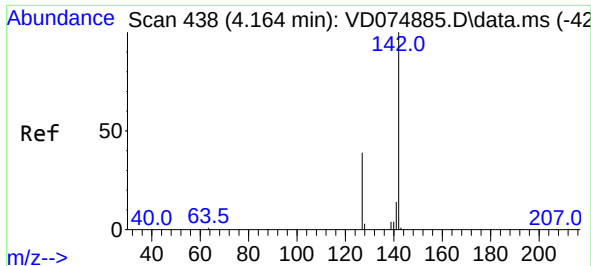
Tgt Ion:168 Resp: 150753
Ion Ratio Lower Upper
168 100
99 50.5 40.9 61.3



#3
Chloromethane
Concen: Below Cal
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD074912.D
Acq: 12 Nov 2022 03:14

Tgt Ion: 50 Resp: 579
Ion Ratio Lower Upper
50 100
52 65.0 30.0 45.0#

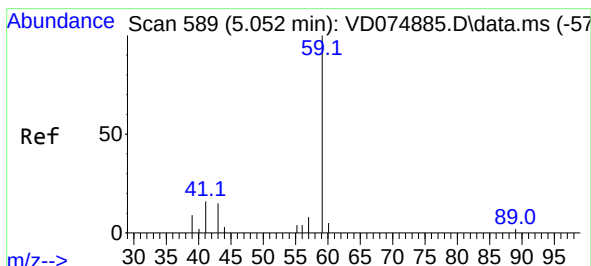
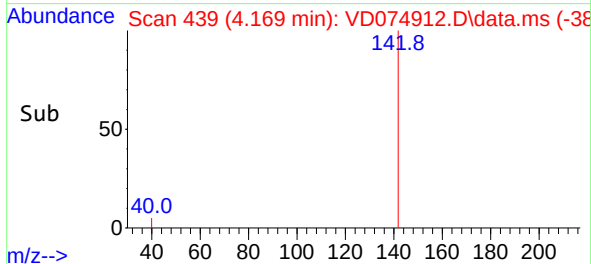
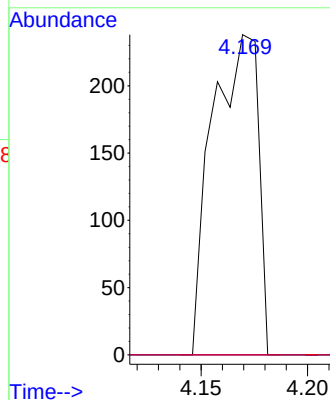
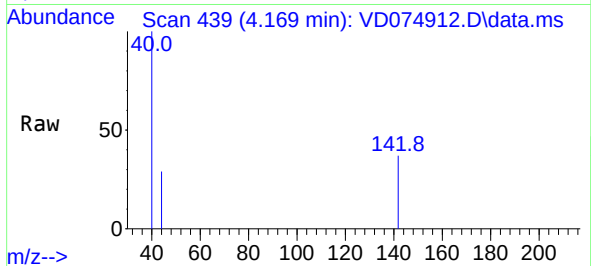




#10
Methyl Iodide
Concen: 4.945 ug/l
RT: 4.169 min Scan# 41
Delta R.T. 0.005 min
Lab File: VD074912.D
Acq: 12 Nov 2022 03:14

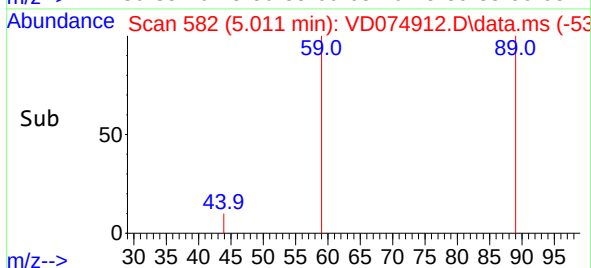
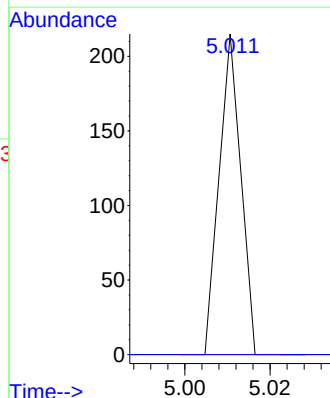
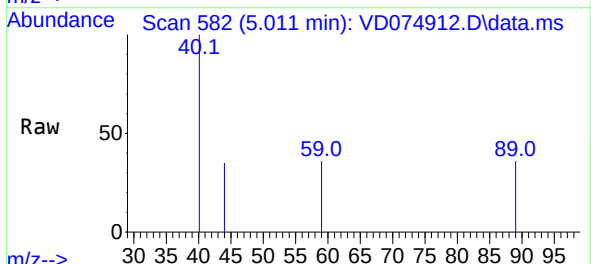
Instrument :
MSVOA_D
ClientSampleId :
SB-37

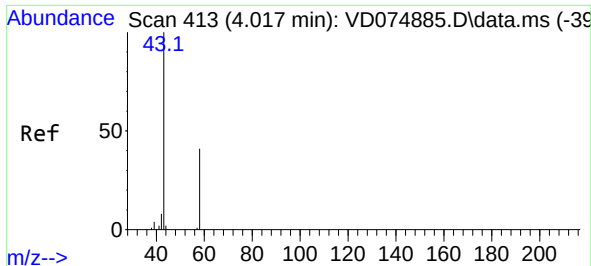
Tgt Ion:142 Resp: 356
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.011 min Scan# 582
Delta R.T. -0.041 min
Lab File: VD074912.D
Acq: 12 Nov 2022 03:14

Tgt Ion: 59 Resp: 76
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#

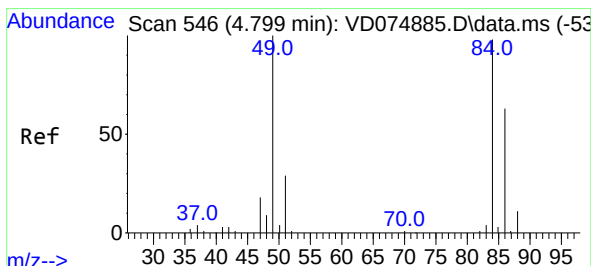
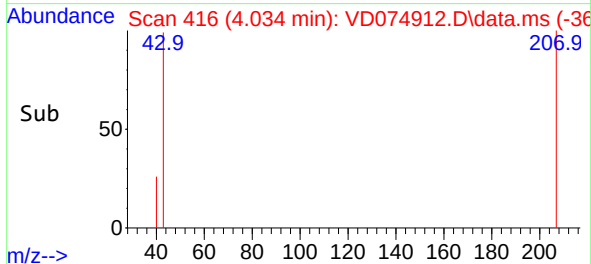
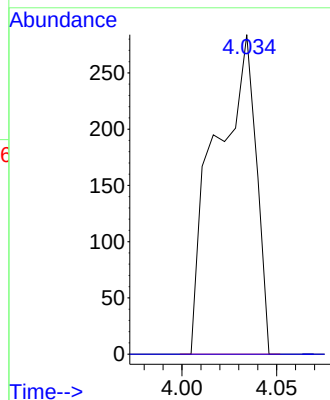
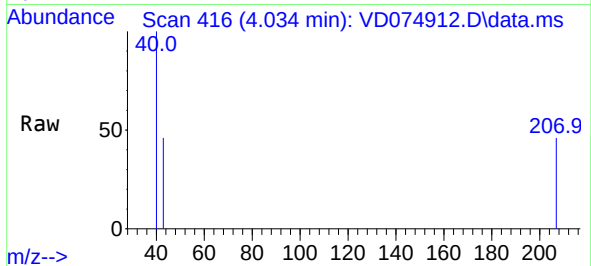




#16
Acetone
Concen: 1.692 ug/l
RT: 4.034 min Scan# 413
Delta R.T. 0.017 min
Lab File: VD074912.D
Acq: 12 Nov 2022 03:14

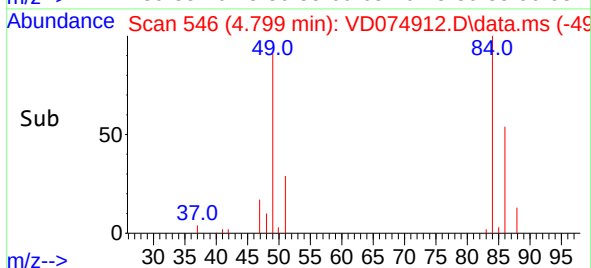
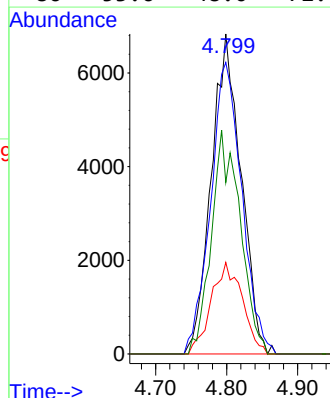
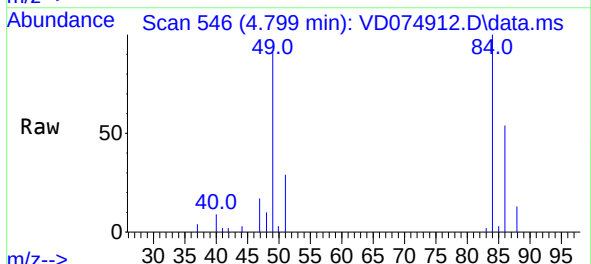
Instrument :
MSVOA_D
ClientSampleId :
SB-37

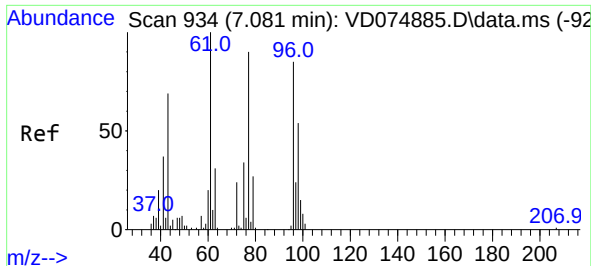
Tgt Ion: 43 Resp: 421
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD074912.D
Acq: 12 Nov 2022 03:14

Tgt Ion: 84 Resp: 19901
Ion Ratio Lower Upper
84 100
49 91.1 68.0 102.0
51 28.6 23.2 34.8
86 53.6 48.0 72.0

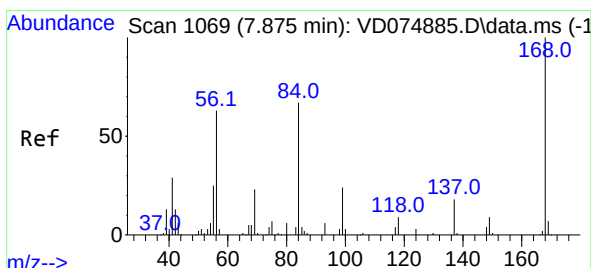
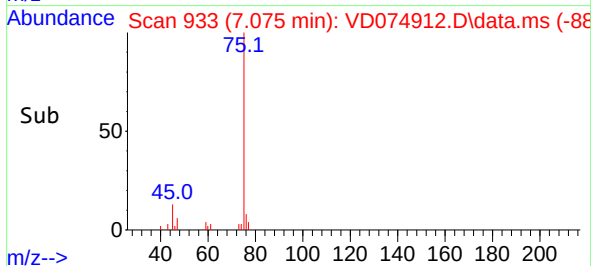
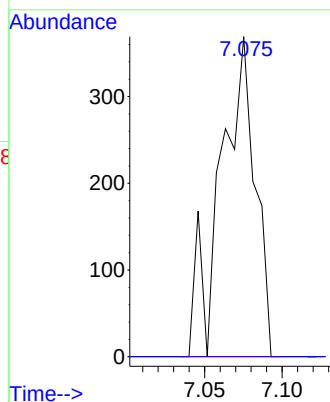
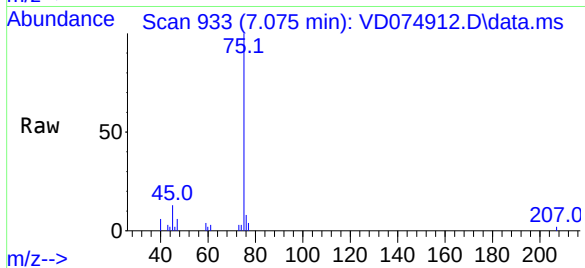




#25
2-Butanone
Concen: 1.764 ug/l
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD074912.D
Acq: 12 Nov 2022 03:14

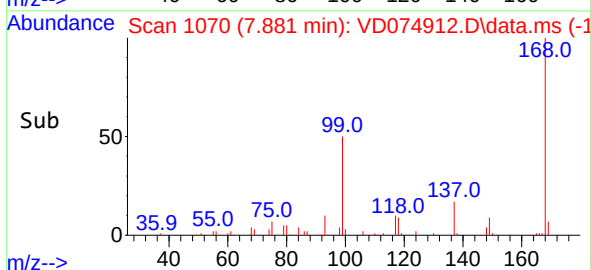
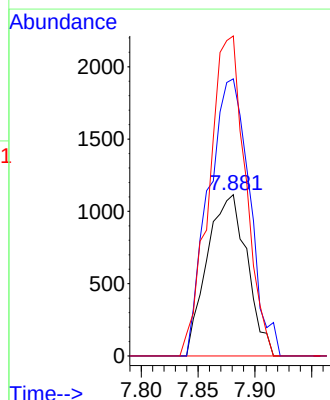
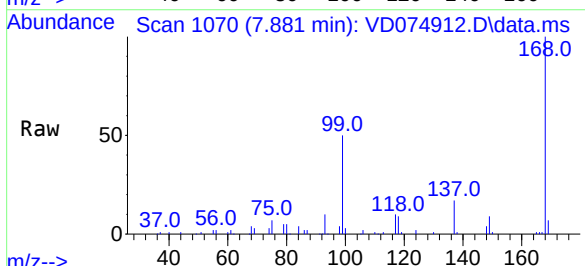
Instrument :
MSVOA_D
ClientSampleId :
SB-37

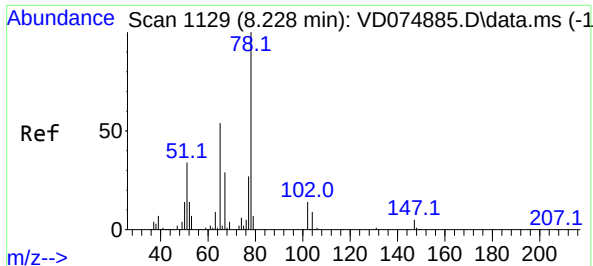
Tgt Ion: 43 Resp: 574
Ion Ratio Lower Upper
43 100
72 0.0 25.8 38.8#



#31
Cyclohexane
Concen: 1.239 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD074912.D
Acq: 12 Nov 2022 03:14

Tgt Ion: 56 Resp: 2723
Ion Ratio Lower Upper
56 100
69 171.7 29.2 43.8#
84 198.3 83.4 125.2#





#33

1,2-Dichloroethane-d4

Concen: 83.625 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD074912.D

Acq: 12 Nov 2022 03:14

Instrument :

MSVOA_D

ClientSampleId :

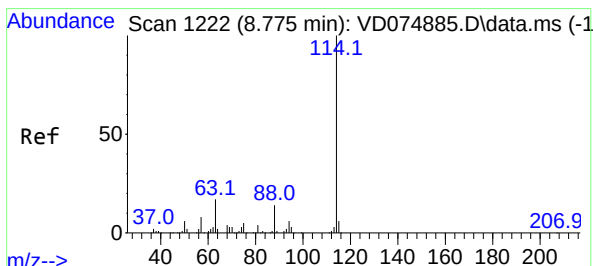
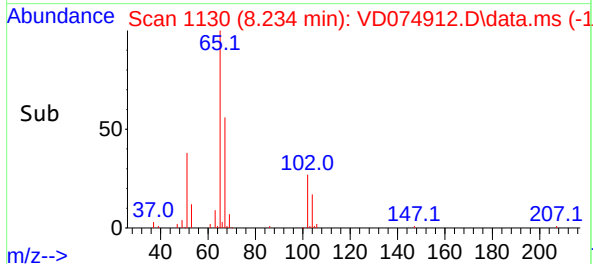
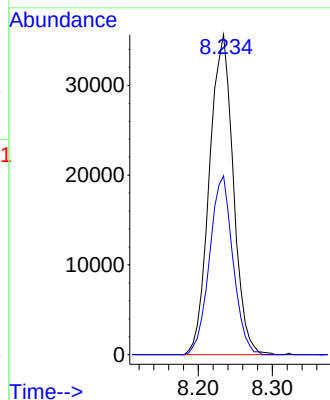
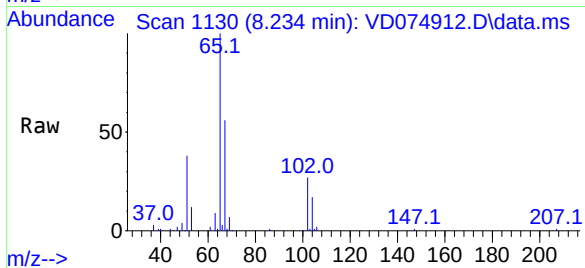
SB-37

Tgt Ion: 65 Resp: 79776

Ion Ratio Lower Upper

65 100

67 54.8 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD074912.D

Acq: 12 Nov 2022 03:14

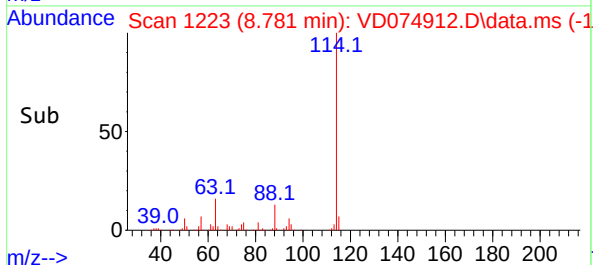
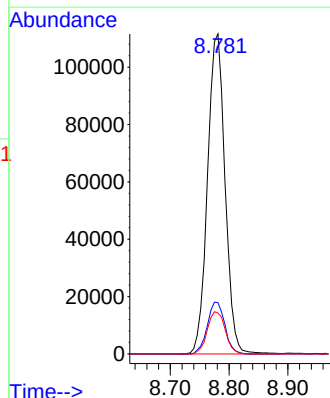
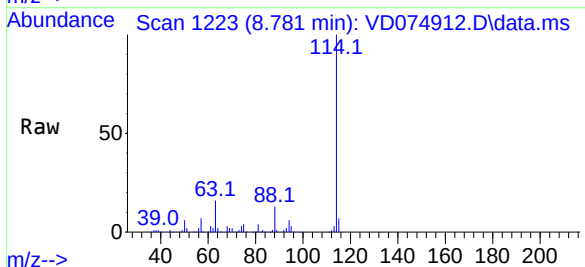
Tgt Ion: 114 Resp: 231264

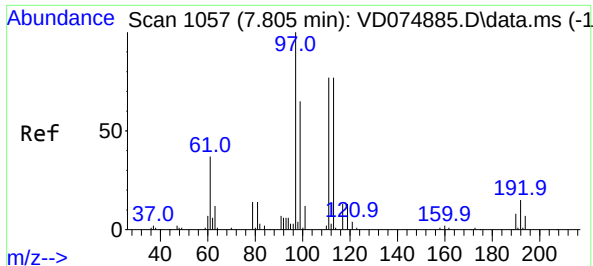
Ion Ratio Lower Upper

114 100

63 16.1 0.0 33.2

88 12.8 0.0 28.2

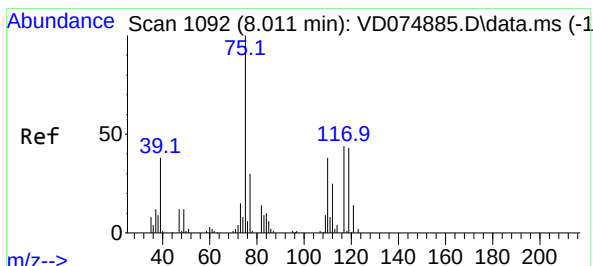
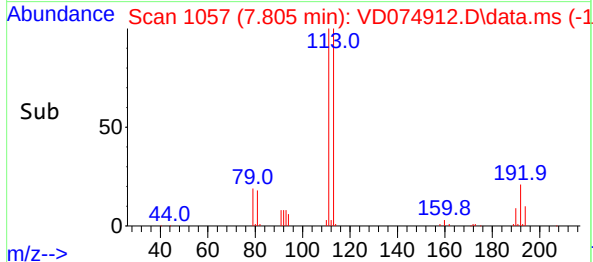
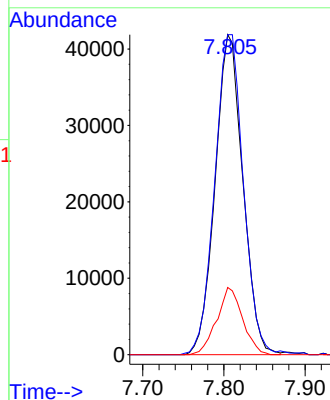
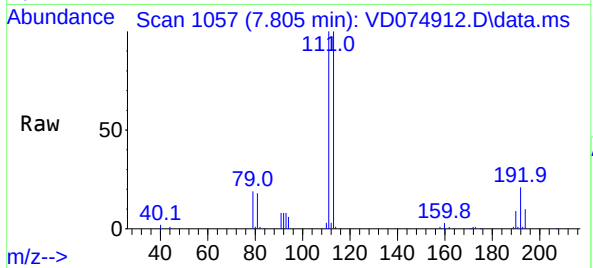




#35
Dibromofluoromethane
Concen: 69.692 ug/l
RT: 7.805 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD074912.D
Acq: 12 Nov 2022 03:14

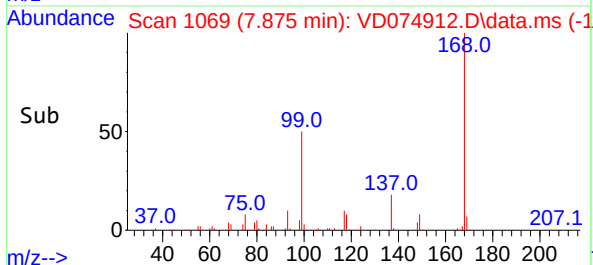
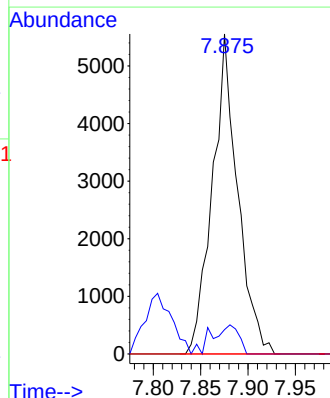
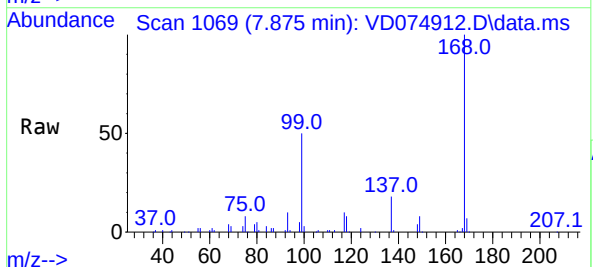
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ClientSampleId :
SB-37

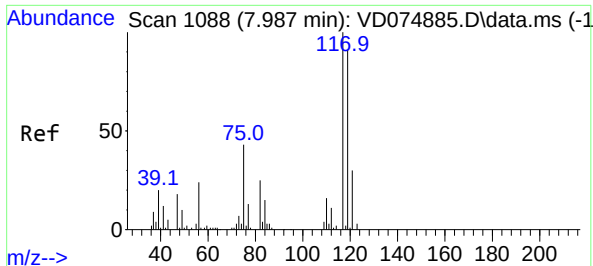
Tgt Ion:113 Resp: 99352
Ion Ratio Lower Upper
113 100
111 103.4 82.3 123.5
192 19.6 16.4 24.6



#36
1,1-Dichloropropene
Concen: 4.927 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.136 min
Lab File: VD074912.D
Acq: 12 Nov 2022 03:14

Tgt Ion: 75 Resp: 10322
Ion Ratio Lower Upper
75 100
110 9.6 19.7 59.0#
77 0.0 25.4 38.2#

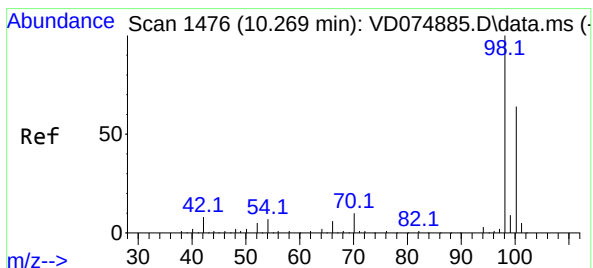
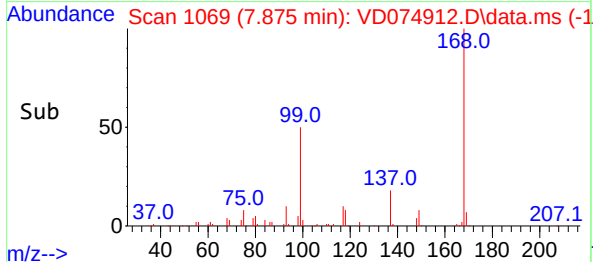
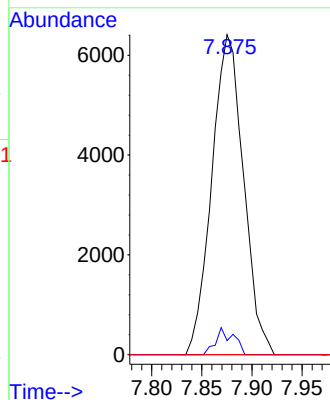
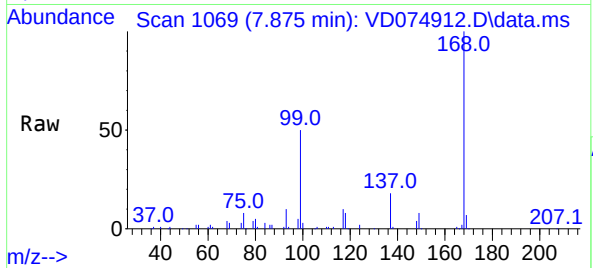




#38
Carbon Tetrachloride
Concen: 7.155 ug/l
RT: 7.875 min Scan# 1088
Delta R.T. -0.112 min
Lab File: VD074912.D
Acq: 12 Nov 2022 03:14

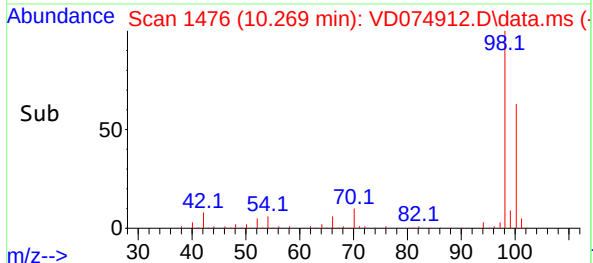
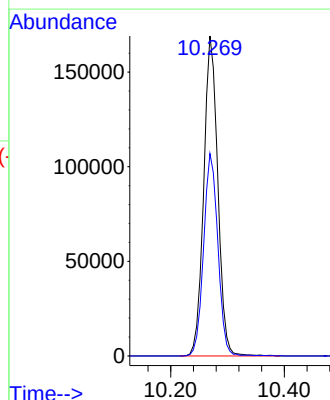
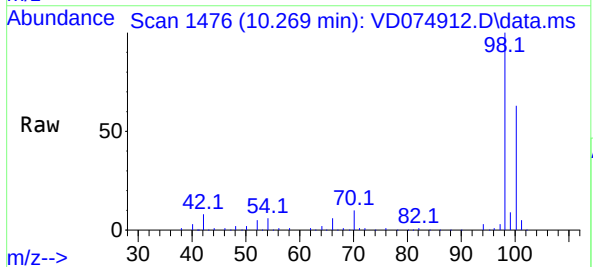
Instrument :
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SB-37

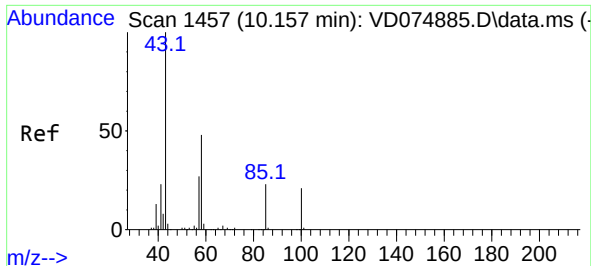
Tgt Ion:117 Resp: 14111
Ion Ratio Lower Upper
117 100
119 4.4 73.1 109.7#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 61.867 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074912.D
Acq: 12 Nov 2022 03:14

Tgt Ion: 98 Resp: 290524
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.0

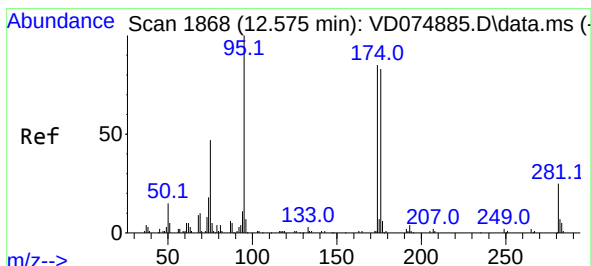
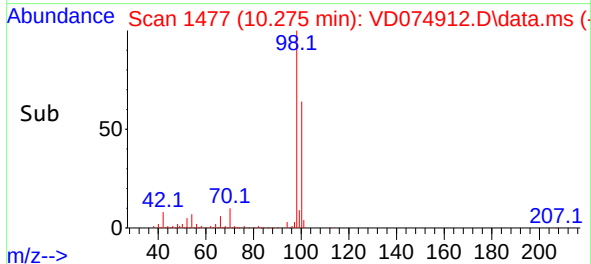
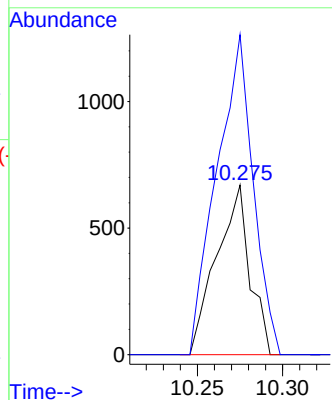
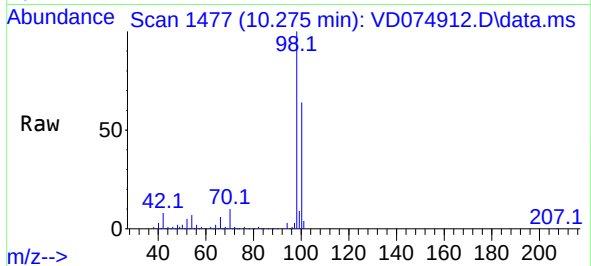




#51
4-Methyl-2-Pentanone
Concen: 1.543 ug/l
RT: 10.275 min Scan# 1457
Delta R.T. 0.118 min
Lab File: VD074912.D
Acq: 12 Nov 2022 03:14

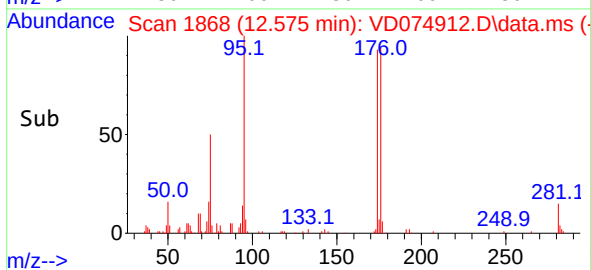
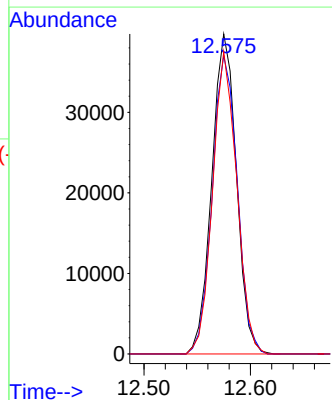
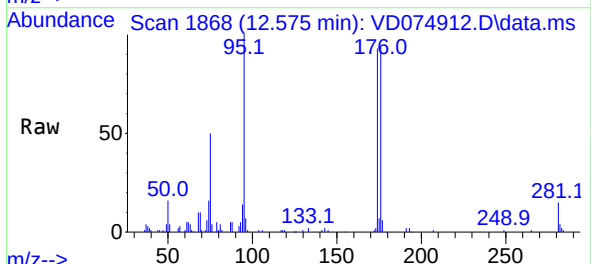
Instrument :
MSVOA_D
ClientSampleId :
SB-37

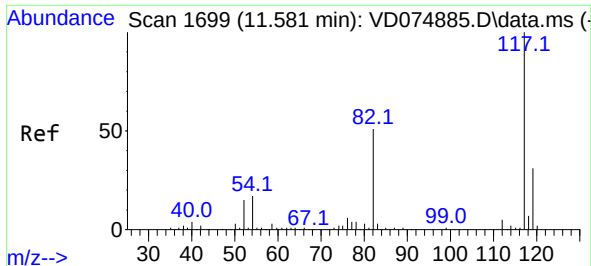
Tgt Ion: 43 Resp: 911
Ion Ratio Lower Upper
43 100
58 206.5 37.8 56.6#



#62
4-Bromofluorobenzene
Concen: 44.184 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD074912.D
Acq: 12 Nov 2022 03:14

Tgt Ion: 95 Resp: 63712
Ion Ratio Lower Upper
95 100
174 94.8 0.0 197.0
176 92.5 0.0 182.6

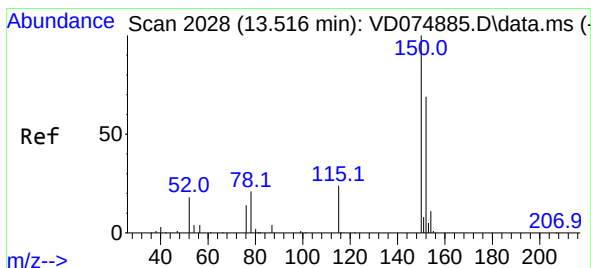
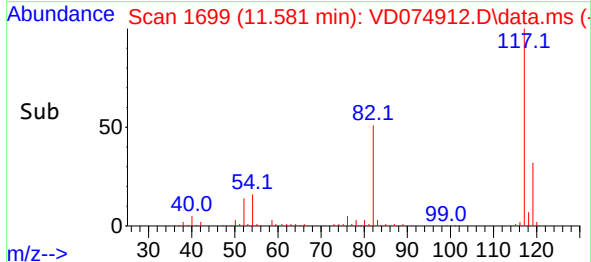
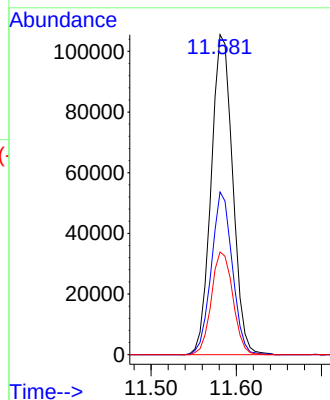
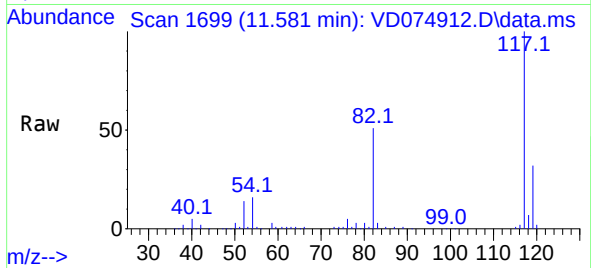




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD074912.D
Acq: 12 Nov 2022 03:14

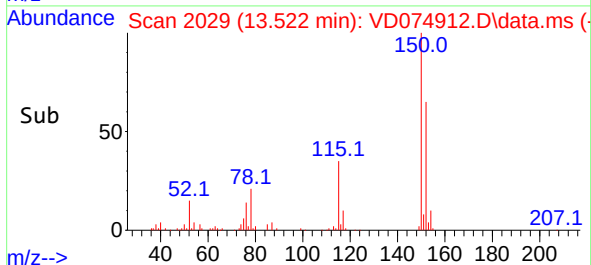
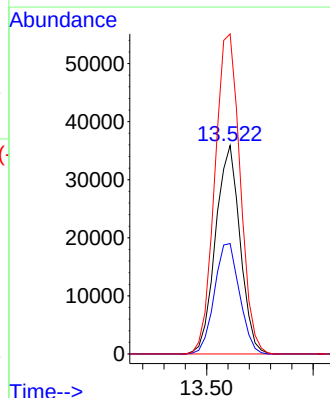
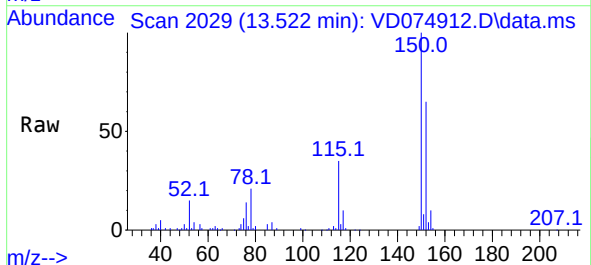
Instrument :
MSVOA_D
ClientSampleId :
SB-37

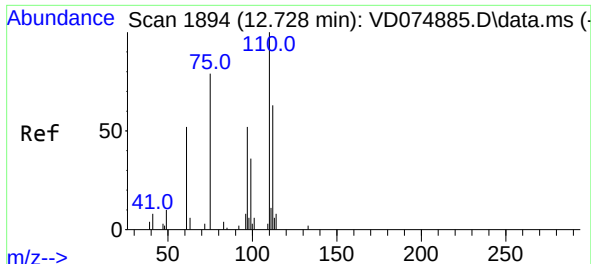
Tgt Ion:117 Resp: 185203
Ion Ratio Lower Upper
117 100
82 50.9 41.6 62.4
119 32.1 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD074912.D
Acq: 12 Nov 2022 03:14

Tgt Ion:152 Resp: 57309
Ion Ratio Lower Upper
152 100
115 54.3 26.8 80.4
150 158.5 0.0 348.2

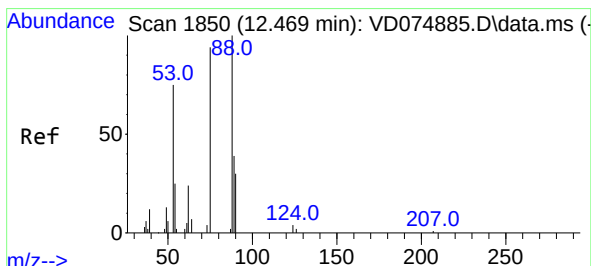
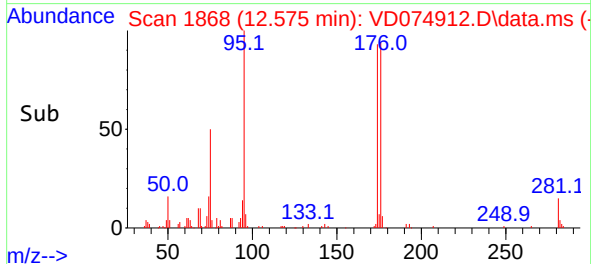
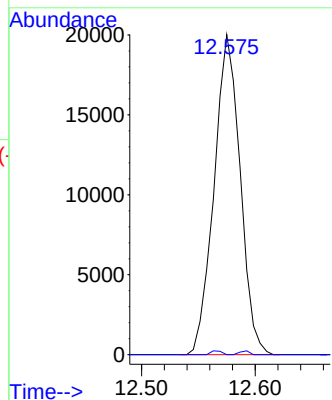
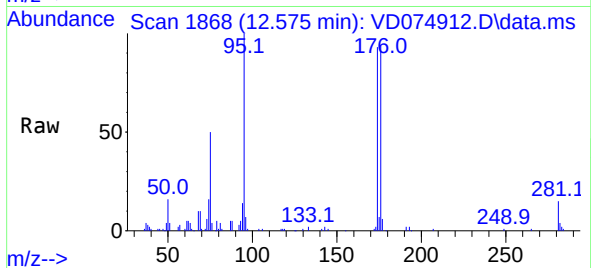




#76
1,2,3-Trichloropropane
Concen: 66.638 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD074912.D
Acq: 12 Nov 2022 03:14

Instrument :
MSVOA_D
ClientSampleId :
SB-37

Tgt Ion: 75 Resp: 31942
Ion Ratio Lower Upper
75 100
77 0.5 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 163.932 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD074912.D
Acq: 12 Nov 2022 03:14

Tgt Ion: 75 Resp: 31942
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

