

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111422\
 Data File : VD074930.D
 Acq On : 14 Nov 2022 13:12
 Operator : VA/SY
 Sample : N5607-01TR
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-01RE

Quant Time: Nov 15 00:16:12 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)

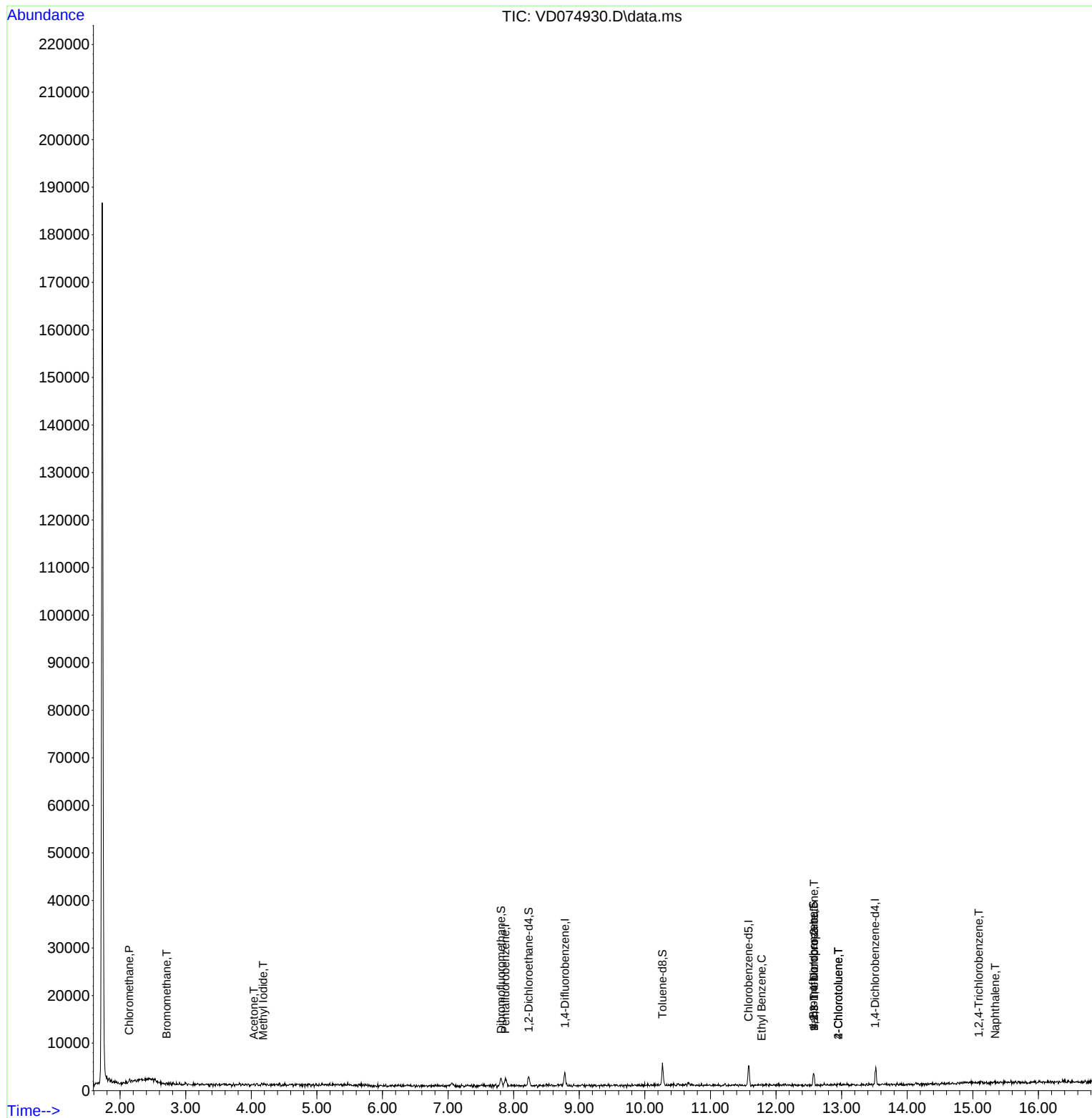
Internal Standards						
1) Pentafluorobenzene	7.875	168	1783	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	3495	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	3384	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	1177	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	1667	152.899	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	305.800%#
35) Dibromofluoromethane	7.810	113	1349	62.615	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	125.240%
50) Toluene-d8	10.269	98	3815	53.757	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.520%
62) 4-Bromofluorobenzene	12.569	95	1201	55.112	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	110.220%
Target Compounds						
						Qvalue
3) Chloromethane	2.140	50	379	17.877	ug/l	# 37
5) Bromomethane	2.711	94	143	6.763	ug/l	88
10) Methyl Iodide	4.181	142	56	7.112	ug/l	# 43
16) Acetone	4.040	43	65	22.083	ug/l	# 37
20) Methylene Chloride	4.799	84	131	Below Cal	#	18
67) Ethyl Benzene	11.781	91	181	1.569	ug/l	# 41
76) 1,2,3-Trichloropropane	12.581	75	604	61.354	ug/l	# 1
79) 2-Chlorotoluene	12.951	91	57	1.062	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	12.581	75	604	150.934	ug/l	# 17
82) 4-Chlorotoluene	12.951	91	57	1.020	ug/l	# 37
93) 1,2,4-Trichlorobenzene	15.092	180	55	2.694	ug/l	# 13
95) Naphthalene	15.339	128	256	6.757	ug/l	# 69

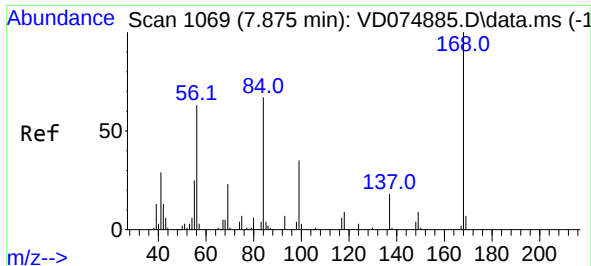
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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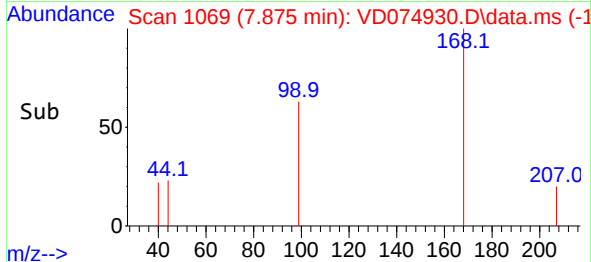
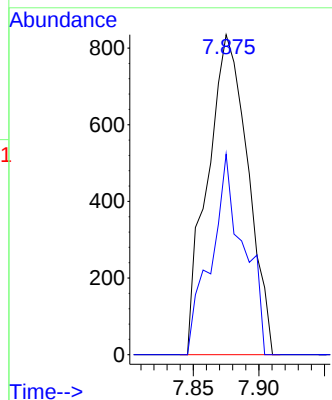
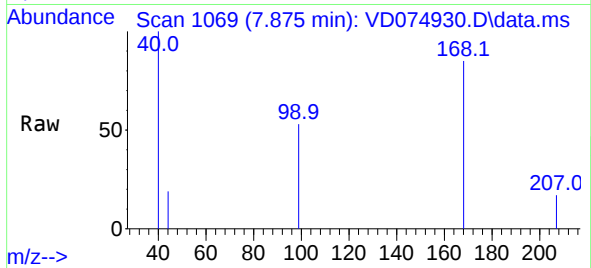




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074930.D
Acq: 14 Nov 2022 13:12

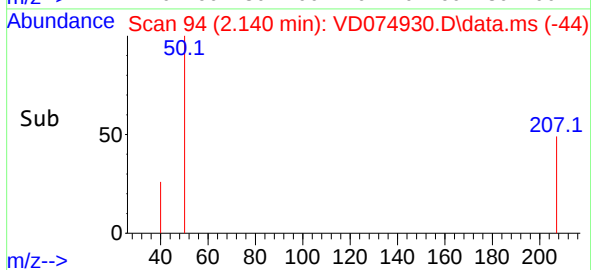
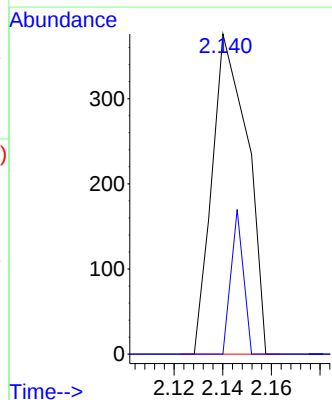
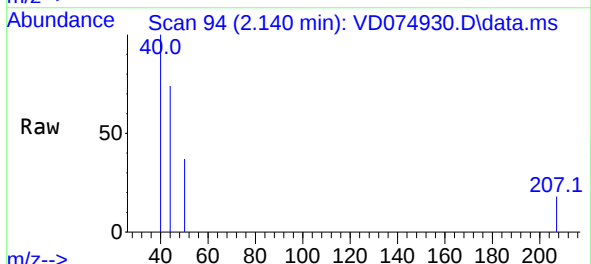
Instrument :
MSVOA_D
ClientSampleId :
SB-01RE

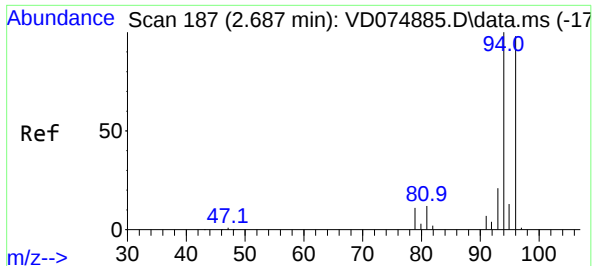
Tgt Ion:168 Resp: 1783
Ion Ratio Lower Upper
168 100
99 62.6 40.9 61.3#



#3
Chloromethane
Concen: 17.877 ug/l
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD074930.D
Acq: 14 Nov 2022 13:12

Tgt Ion: 50 Resp: 379
Ion Ratio Lower Upper
50 100
52 0.0 30.0 45.0#

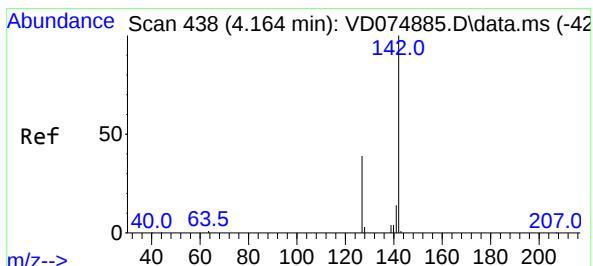
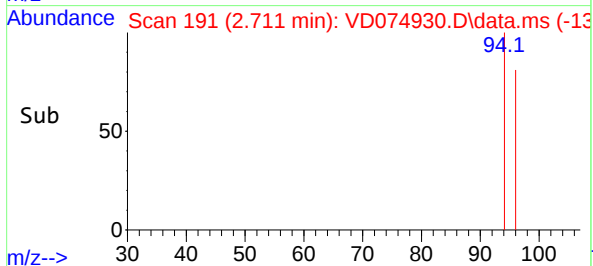
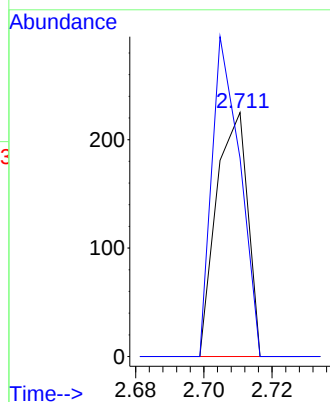
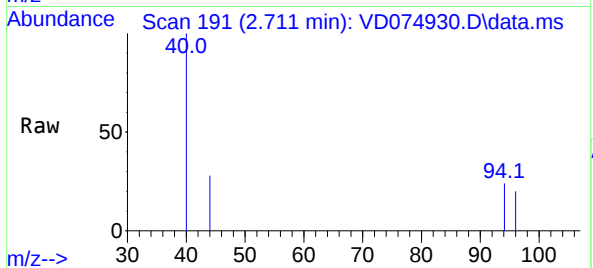




#5
Bromomethane
Concen: 6.763 ug/l
RT: 2.711 min Scan# 191
Delta R.T. 0.024 min
Lab File: VD074930.D
Acq: 14 Nov 2022 13:12

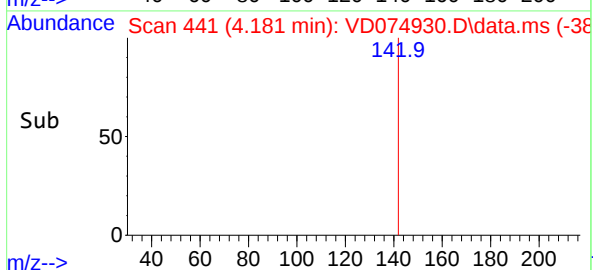
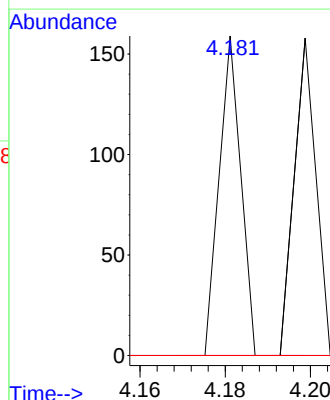
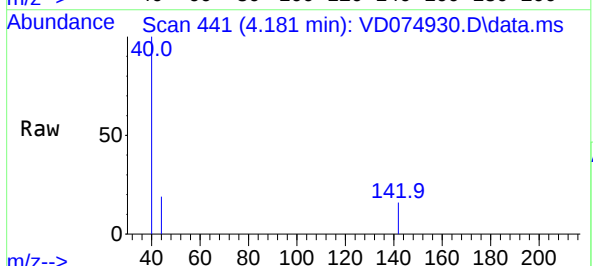
Instrument :
MSVOA_D
ClientSampleId :
SB-01RE

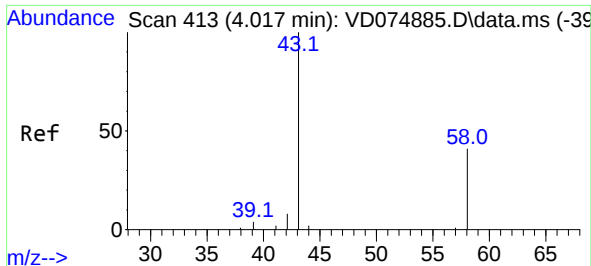
Tgt Ion: 94 Resp: 143
Ion Ratio Lower Upper
94 100
96 81.3 74.6 112.0



#10
Methyl Iodide
Concen: 7.112 ug/l
RT: 4.181 min Scan# 441
Delta R.T. 0.017 min
Lab File: VD074930.D
Acq: 14 Nov 2022 13:12

Tgt Ion: 142 Resp: 56
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#

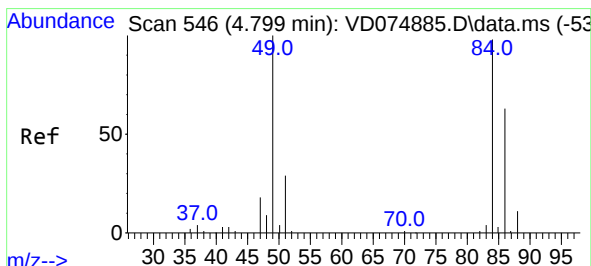
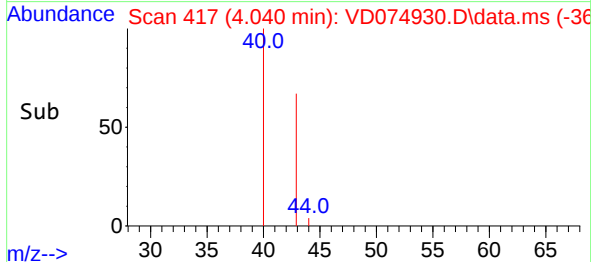
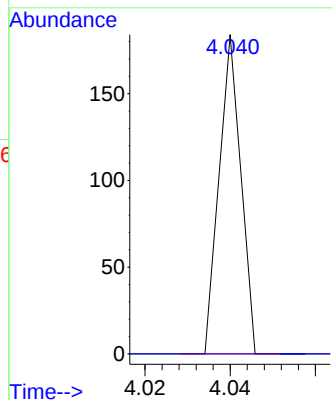
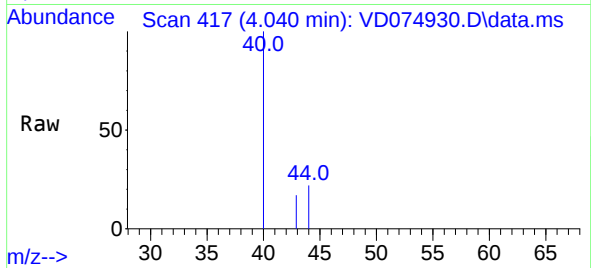




#16
Acetone
Concen: 22.083 ug/l
RT: 4.040 min Scan# 41
Delta R.T. 0.023 min
Lab File: VD074930.D
Acq: 14 Nov 2022 13:12

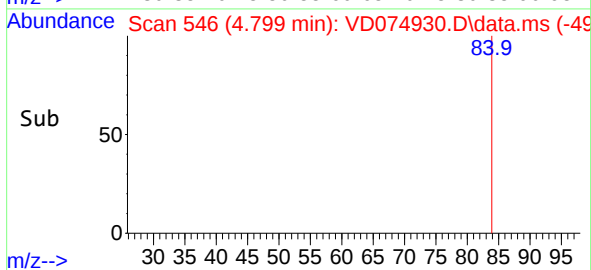
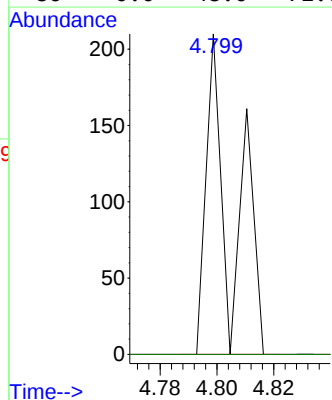
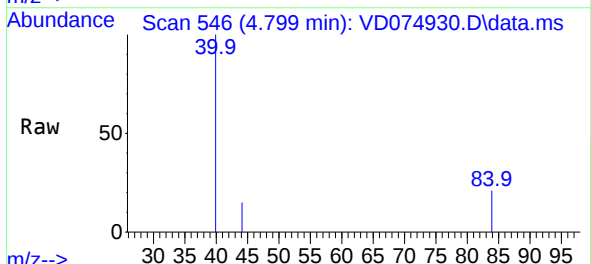
Instrument :
MSVOA_D
ClientSampleId :
SB-01RE

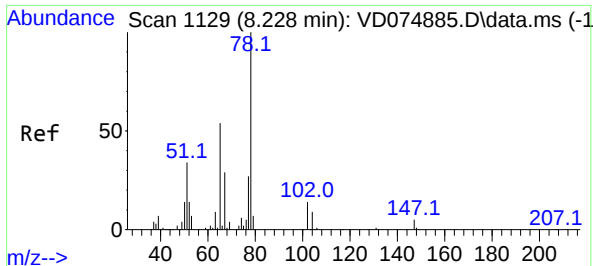
Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD074930.D
Acq: 14 Nov 2022 13:12

Tgt Ion: 84 Resp: 131
Ion Ratio Lower Upper
84 100
49 0.0 68.0 102.0#
51 0.0 23.2 34.8#
86 0.0 48.0 72.0#

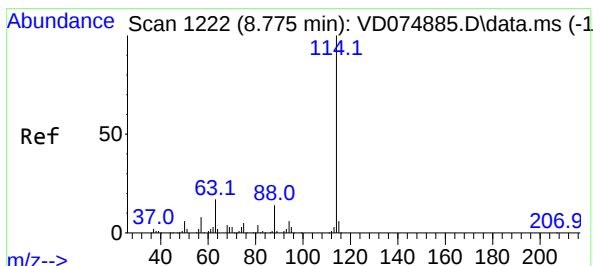
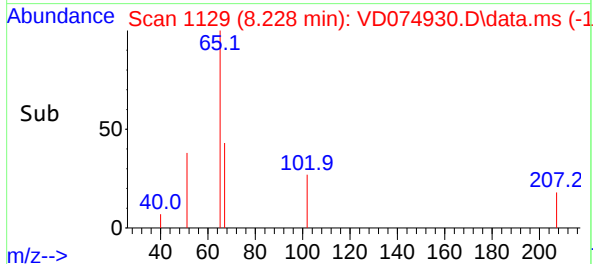
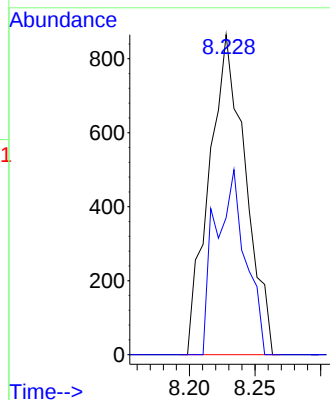
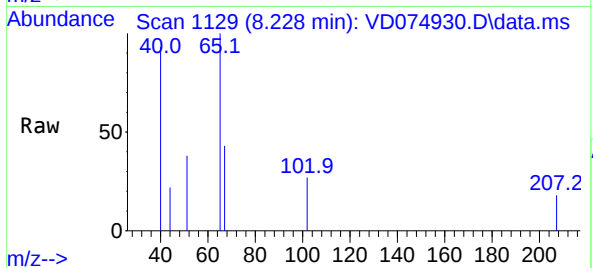




#33
1,2-Dichloroethane-d4
Concen: 152.899 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD074930.D
Acq: 14 Nov 2022 13:12

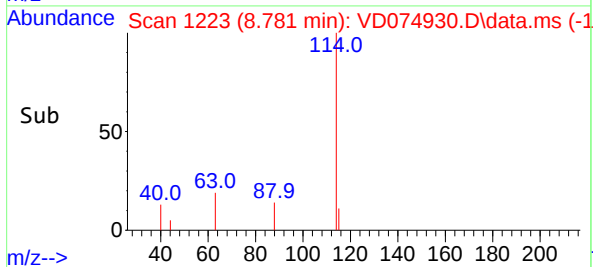
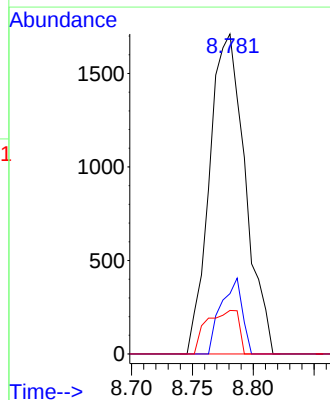
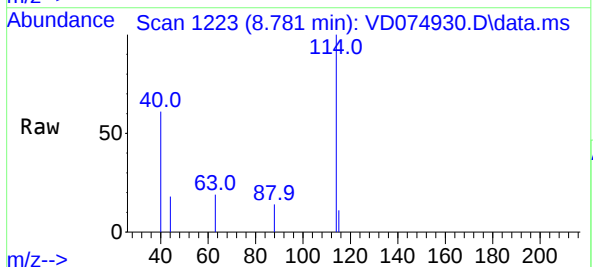
Instrument :
MSVOA_D
ClientSampleId :
SB-01RE

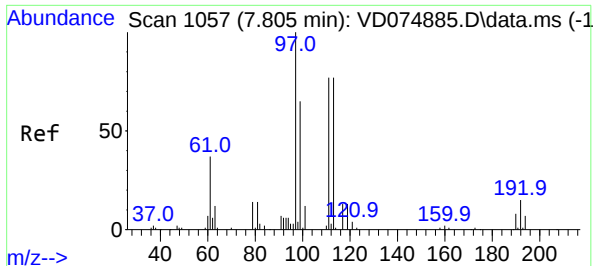
Tgt Ion: 65 Resp: 1667
Ion Ratio Lower Upper
65 100
67 48.1 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 1223
Delta R.T. 0.006 min
Lab File: VD074930.D
Acq: 14 Nov 2022 13:12

Tgt Ion: 114 Resp: 3495
Ion Ratio Lower Upper
114 100
63 18.9 0.0 33.2
88 13.6 0.0 28.2

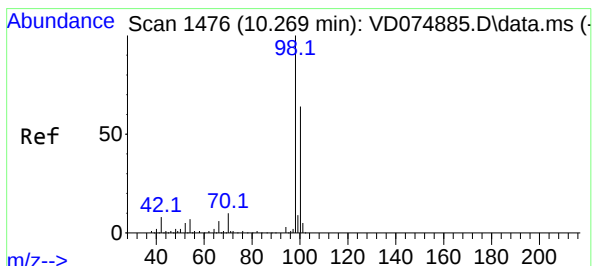
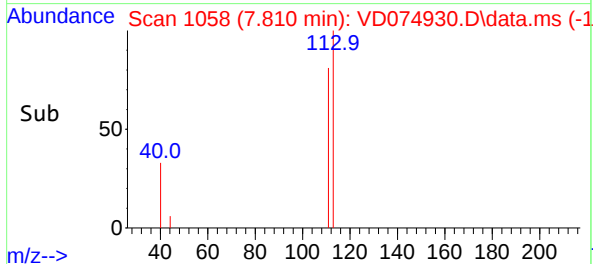
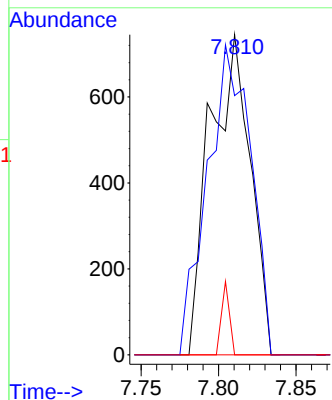
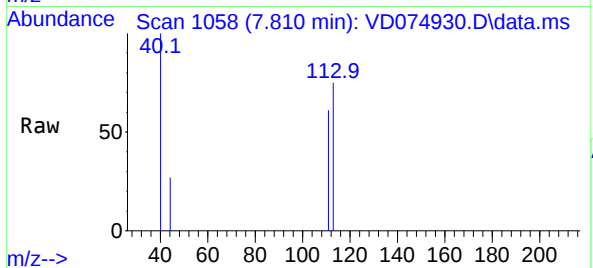




#35
Dibromofluoromethane
Concen: 62.615 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.005 min
Lab File: VD074930.D
Acq: 14 Nov 2022 13:12

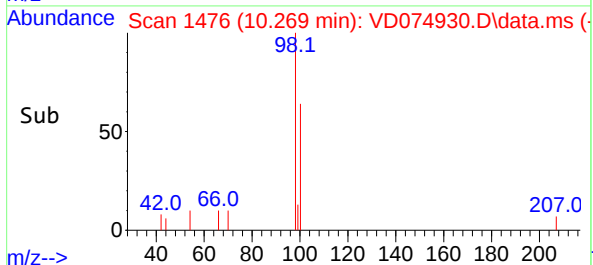
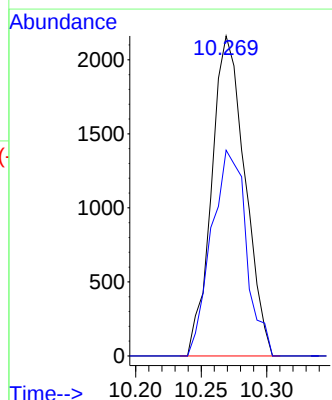
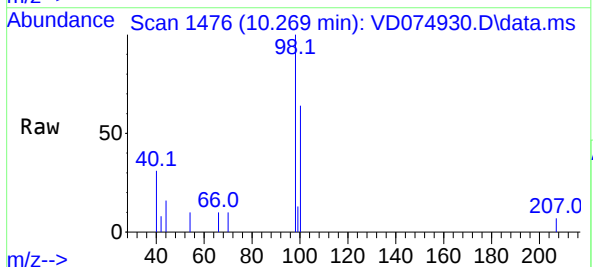
Instrument :
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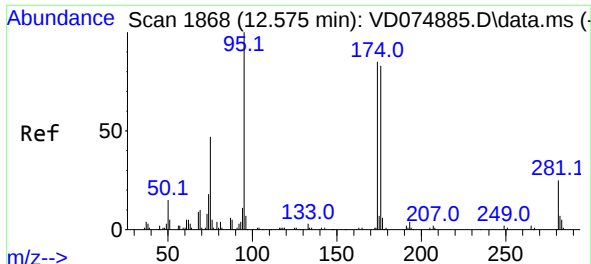
Tgt Ion:113 Resp: 1349
Ion Ratio Lower Upper
113 100
111 104.1 82.3 123.5
192 4.4 16.4 24.6#



#50
Toluene-d8
Concen: 53.757 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074930.D
Acq: 14 Nov 2022 13:12

Tgt Ion: 98 Resp: 3815
Ion Ratio Lower Upper
98 100
100 67.2 51.4 77.0



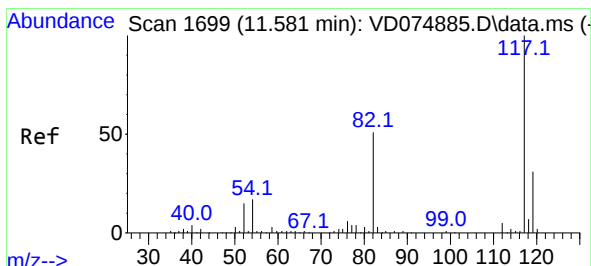
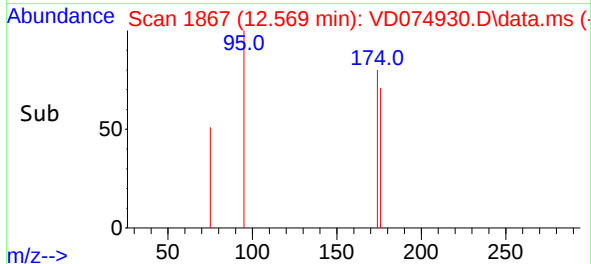
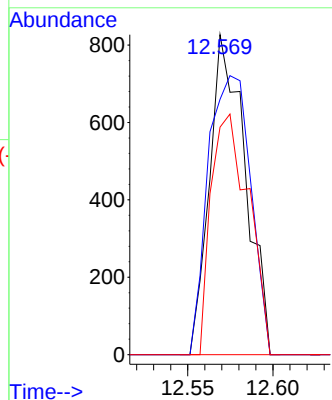
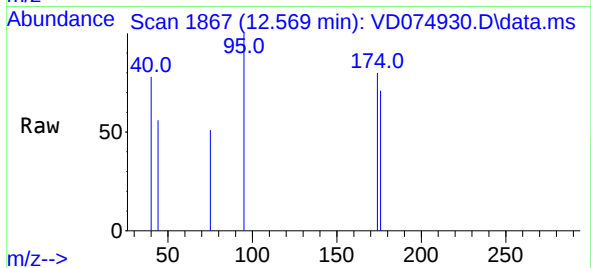


#62
4-Bromofluorobenzene
Concen: 55.112 ug/l
RT: 12.569 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD074930.D
Acq: 14 Nov 2022 13:12

Instrument :
MSVOA_D
ClientSampleId :
SB-01RE

Tgt Ion: 95 Resp: 1201

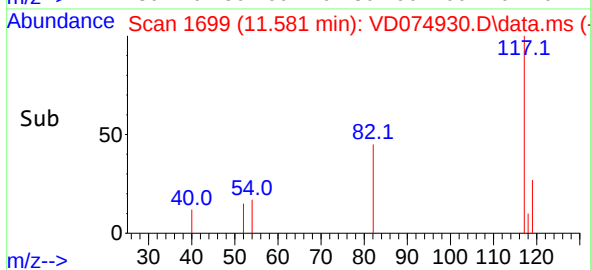
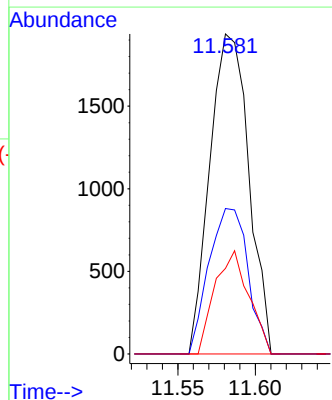
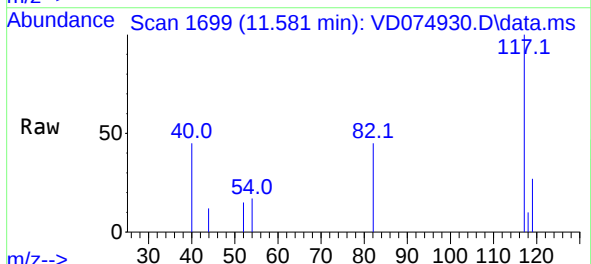
Ion	Ratio	Lower	Upper
95	100		
174	104.2	0.0	197.0
176	79.5	0.0	182.6

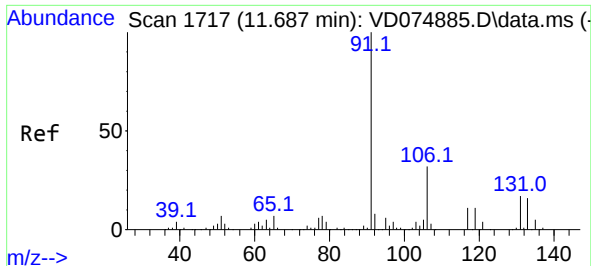


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074930.D
Acq: 14 Nov 2022 13:12

Tgt Ion: 117 Resp: 3384

Ion	Ratio	Lower	Upper
117	100		
82	45.4	41.6	62.4
119	26.7	25.2	37.8





#67

Ethyl Benzene

Concen: 1.569 ug/l

RT: 11.781 min Scan# 11

Delta R.T. 0.094 min

Lab File: VD074930.D

Acq: 14 Nov 2022 13:12

Instrument :

MSVOA_D

ClientSampleId :

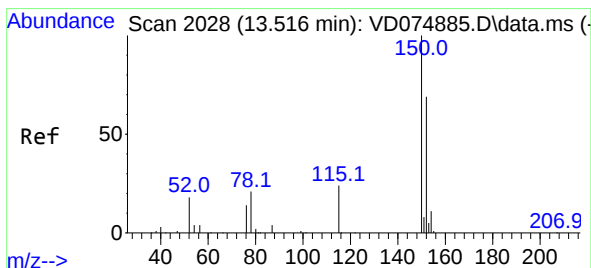
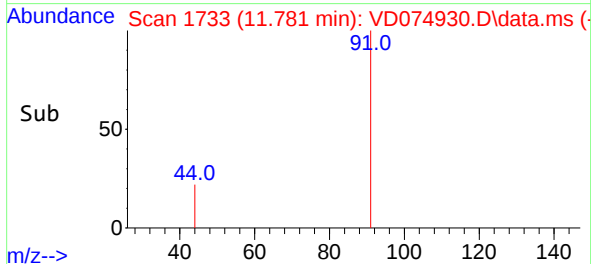
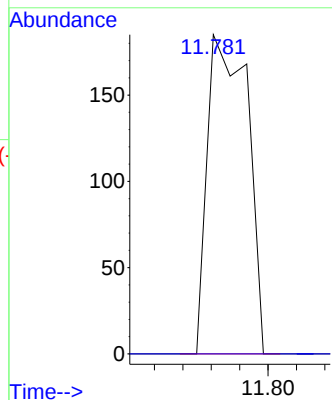
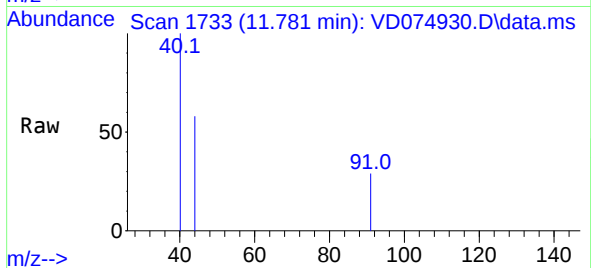
SB-01RE

Tgt Ion: 91 Resp: 181

Ion Ratio Lower Upper

91 100

106 0.0 26.6 40.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.510 min Scan# 2027

Delta R.T. -0.006 min

Lab File: VD074930.D

Acq: 14 Nov 2022 13:12

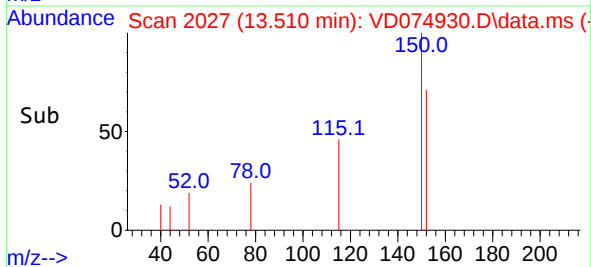
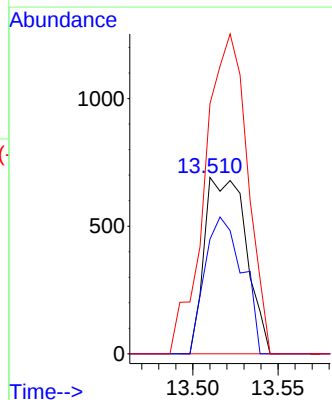
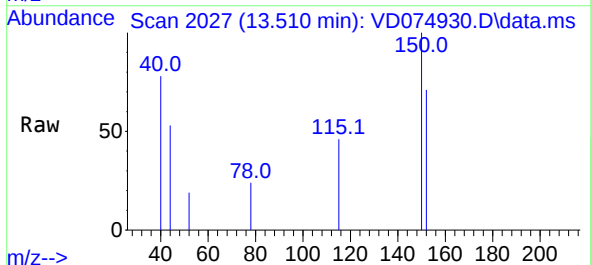
Tgt Ion: 152 Resp: 1177

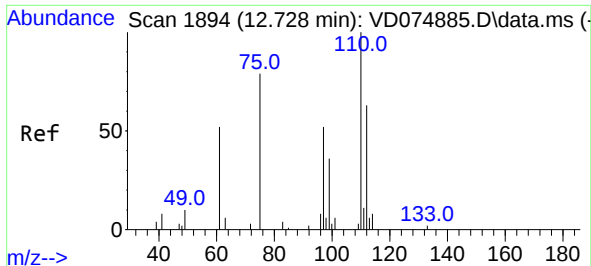
Ion Ratio Lower Upper

152 100

115 70.1 26.8 80.4

150 185.1 0.0 348.2

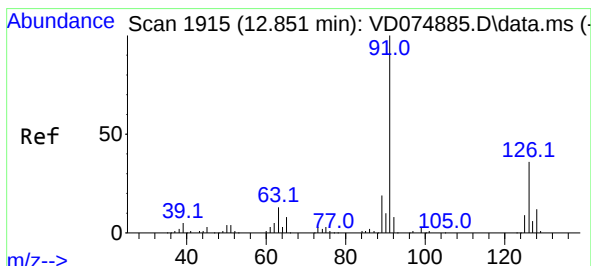
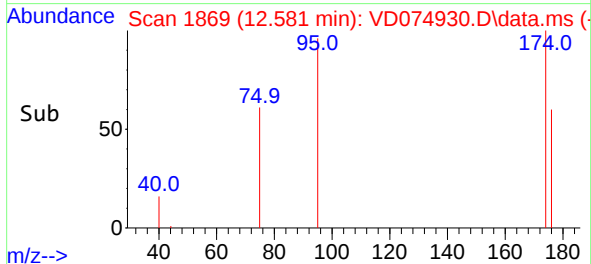
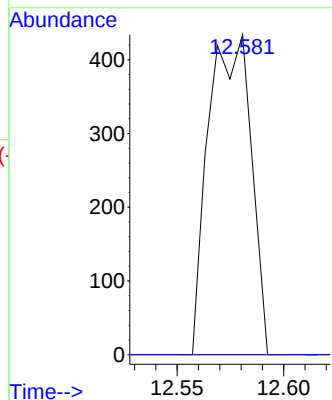
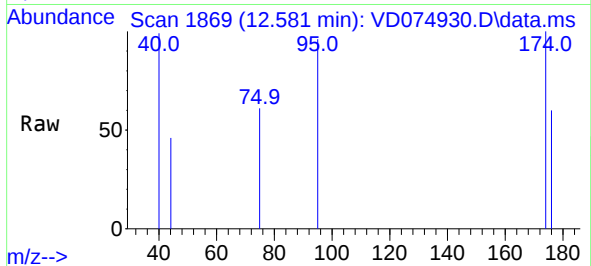




#76
1,2,3-Trichloropropane
Concen: 61.354 ug/l
RT: 12.581 min Scan# 11
Delta R.T. -0.147 min
Lab File: VD074930.D
Acq: 14 Nov 2022 13:12

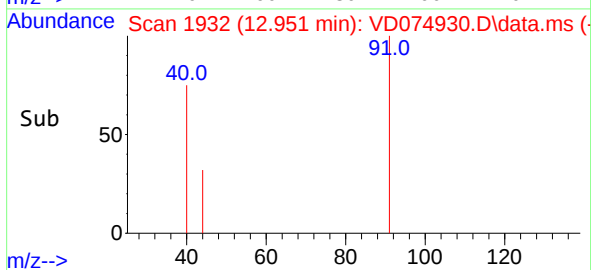
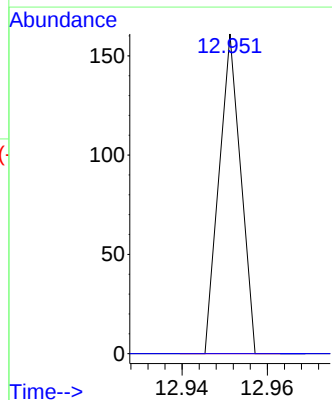
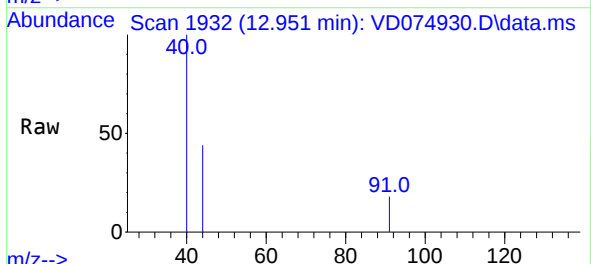
Instrument :
MSVOA_D
ClientSampleId :
SB-01RE

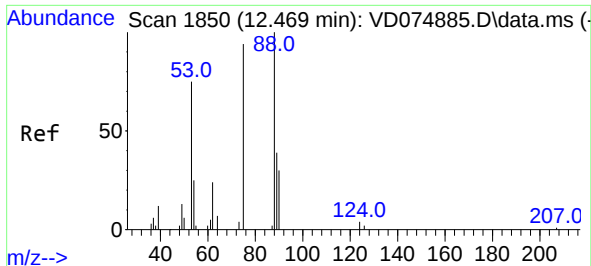
Tgt Ion: 75 Resp: 604
Ion Ratio Lower Upper
75 100
77 0.0 185.8 557.5#



#79
2-Chlorotoluene
Concen: 1.062 ug/l
RT: 12.951 min Scan# 1932
Delta R.T. 0.100 min
Lab File: VD074930.D
Acq: 14 Nov 2022 13:12

Tgt Ion: 91 Resp: 57
Ion Ratio Lower Upper
91 100
126 0.0 18.3 54.8#

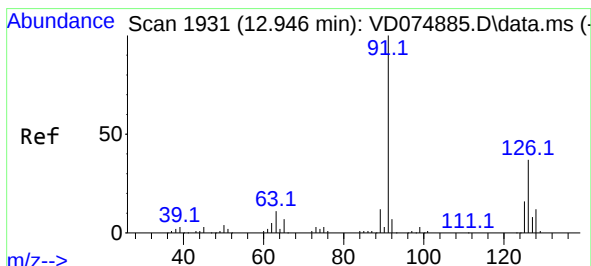
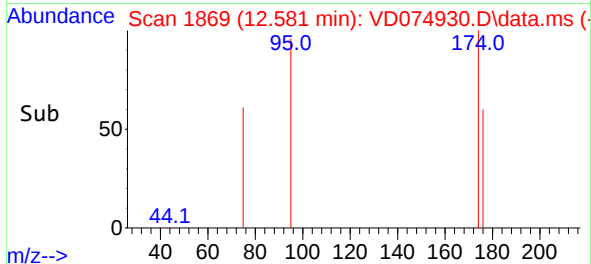
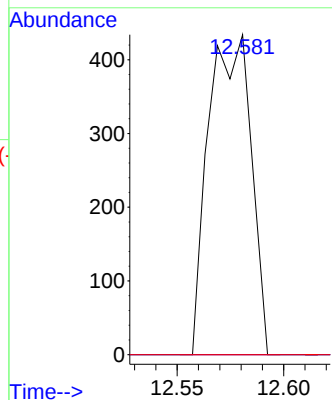
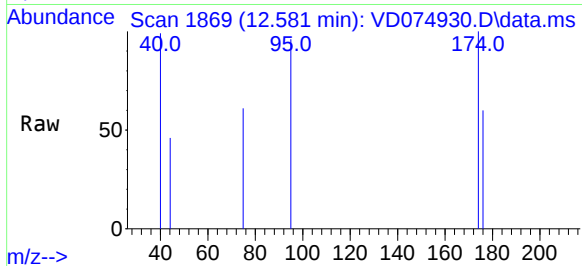




#81
trans-1,4-Dichloro-2-butene
Concen: 150.934 ug/l
RT: 12.581 min Scan# 1869
Delta R.T. 0.112 min
Lab File: VD074930.D
Acq: 14 Nov 2022 13:12

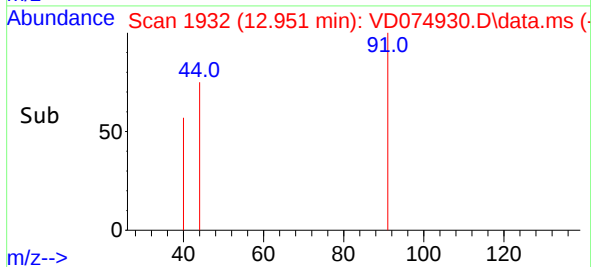
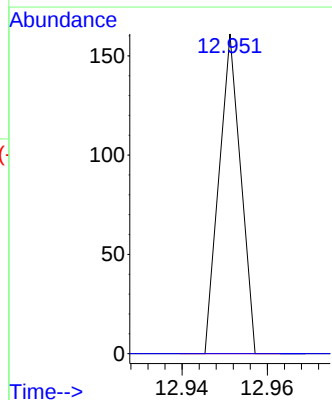
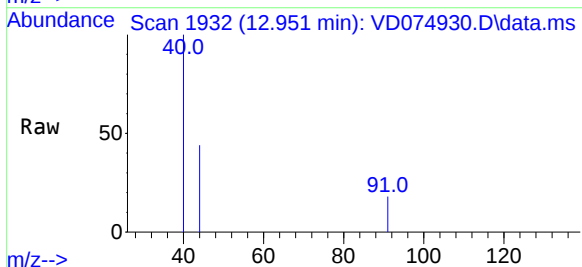
Instrument :
MSVOA_D
ClientSampleId :
SB-01RE

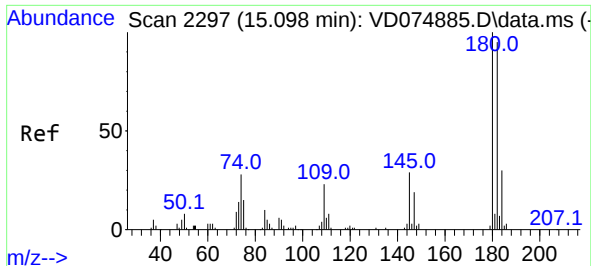
Tgt Ion: 75 Resp: 604
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#



#82
4-Chlorotoluene
Concen: 1.020 ug/l
RT: 12.951 min Scan# 1932
Delta R.T. 0.005 min
Lab File: VD074930.D
Acq: 14 Nov 2022 13:12

Tgt Ion: 91 Resp: 57
Ion Ratio Lower Upper
91 100
126 0.0 18.8 56.4#

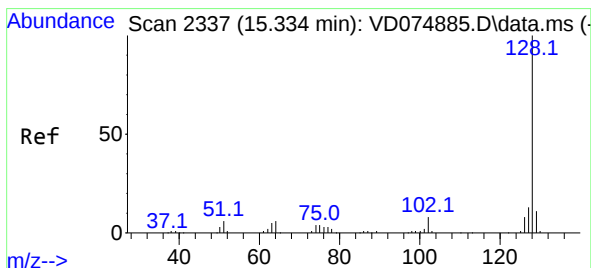
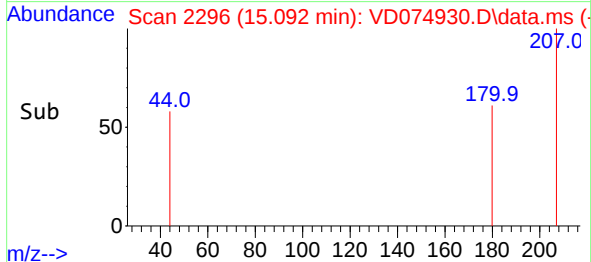
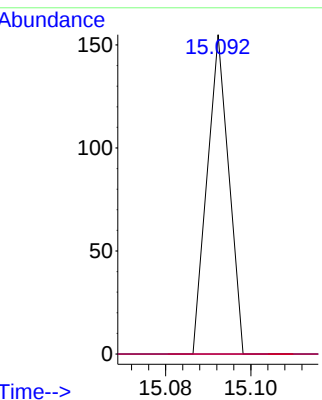
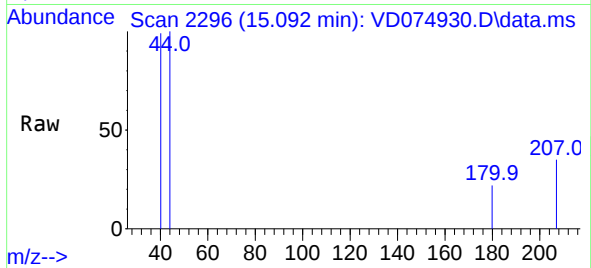




#93
1,2,4-Trichlorobenzene
Concen: 2.694 ug/l
RT: 15.092 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD074930.D
Acq: 14 Nov 2022 13:12

Instrument :
MSVOA_D
ClientSampleId :
SB-01RE

Tgt Ion:180 Resp: 55
Ion Ratio Lower Upper
180 100
182 0.0 46.9 140.6#
145 0.0 14.1 42.3#



#95
Naphthalene
Concen: 6.757 ug/l
RT: 15.339 min Scan# 2338
Delta R.T. 0.005 min
Lab File: VD074930.D
Acq: 14 Nov 2022 13:12

Tgt Ion:128 Resp: 256
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.3 12.5#

