

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100622\
 Data File : VD074463.D
 Acq On : 06 Oct 2022 13:49
 Operator : VA/SY
 Sample : N5014-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-04-0-2.0

Quant Time: Oct 07 01:26:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 01:54:40 2022
 Response via : Initial Calibration

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

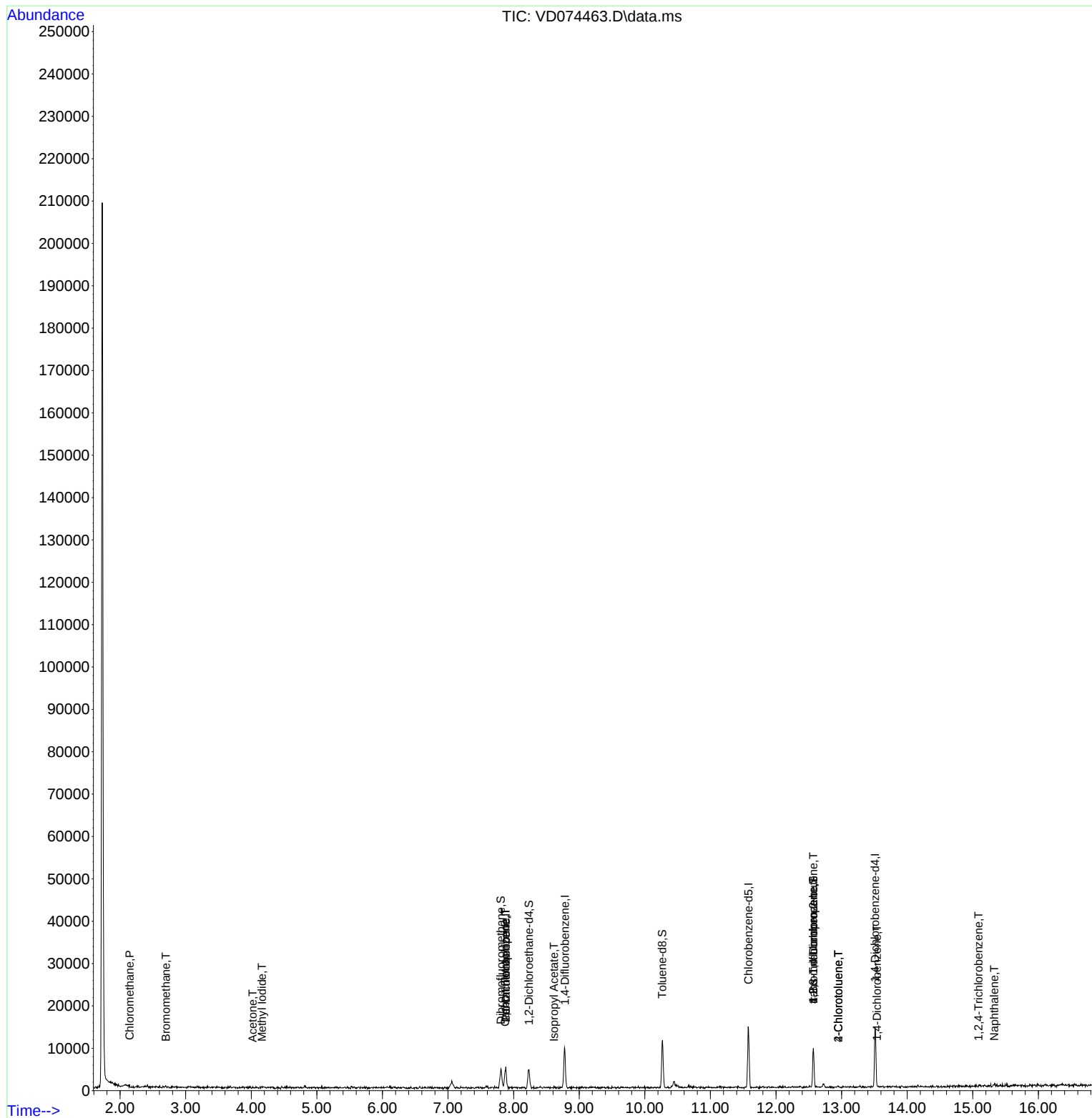
Internal Standards						
1) Pentafluorobenzene	7.881	168	4555	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	9435	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	9623	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	4436	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	3607	89.128	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 178.260%#	
35) Dibromofluoromethane	7.805	113	3650	58.667	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 117.340%	
50) Toluene-d8	10.263	98	8797	39.120	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 78.240%	
62) 4-Bromofluorobenzene	12.569	95	3301	46.583	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 93.160%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	252	4.544	ug/l	96
5) Bromomethane	2.699	94	140	4.969	ug/l	97
10) Methyl Iodide	4.164	142	346	10.267	ug/l #	43
16) Acetone	4.022	43	62	17.268	ug/l #	37
36) 1,1-Dichloropropene	7.881	75	184	2.107	ug/l #	39
38) Carbon Tetrachloride	7.869	117	154	1.990	ug/l #	14
43) Isopropyl Acetate	8.616	43	66	1.207	ug/l #	44
76) 1,2,3-Trichloropropane	12.569	75	1712	50.276	ug/l #	1
79) 2-Chlorotoluene	12.951	91	255	1.201	ug/l #	38
81) trans-1,4-Dichloro-2-b...	12.569	75	1712	112.171	ug/l #	17
82) 4-Chlorotoluene	12.951	91	255	1.177	ug/l #	37
88) 1,4-Dichlorobenzene	13.540	146	276	1.847	ug/l #	25
93) 1,2,4-Trichlorobenzene	15.087	180	140	1.690	ug/l #	46
95) Naphthalene	15.328	128	715	4.523	ug/l #	69

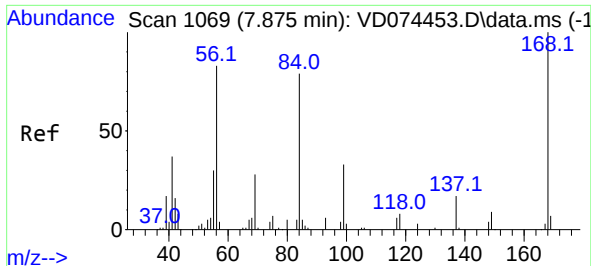
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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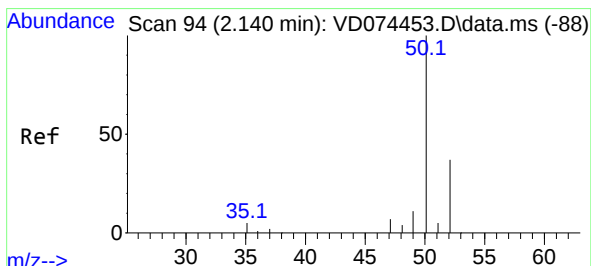
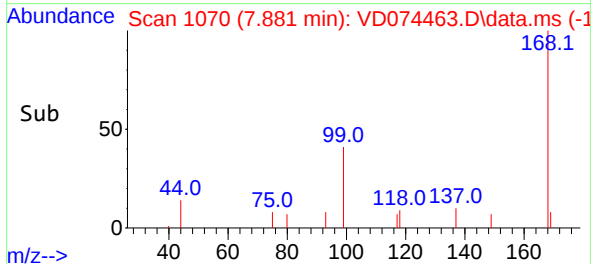
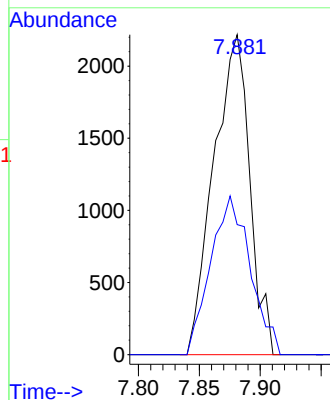
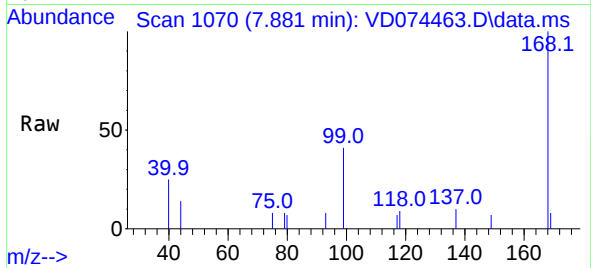




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD074463.D
Acq: 06 Oct 2022 13:49

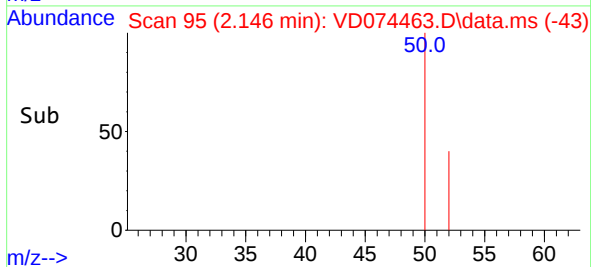
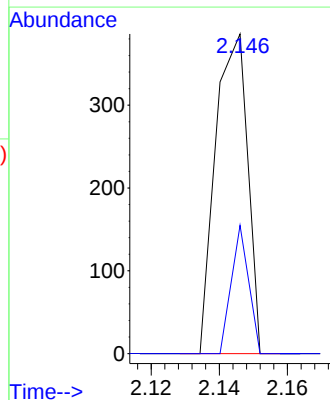
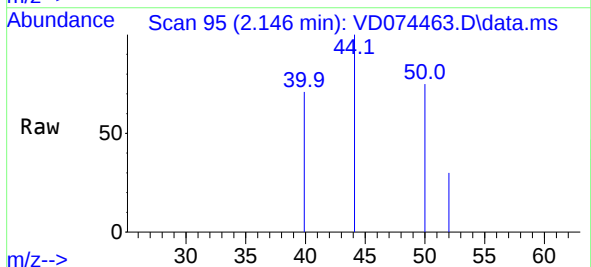
Instrument :
MSVOA_D
ClientSampleId :
SB-04-0-2.0

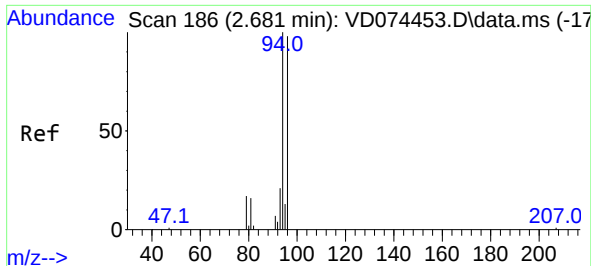
Tgt Ion:168 Resp: 4555
Ion Ratio Lower Upper
168 100
99 40.6 40.9 61.3#



#3
Chloromethane
Concen: 4.544 ug/l
RT: 2.146 min Scan# 95
Delta R.T. 0.006 min
Lab File: VD074463.D
Acq: 06 Oct 2022 13:49

Tgt Ion: 50 Resp: 252
Ion Ratio Lower Upper
50 100
52 40.2 30.0 45.0

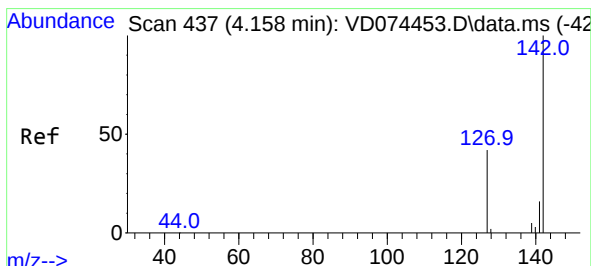
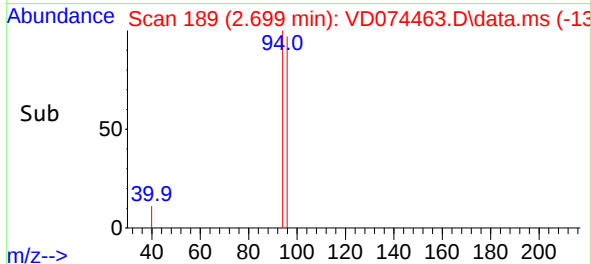
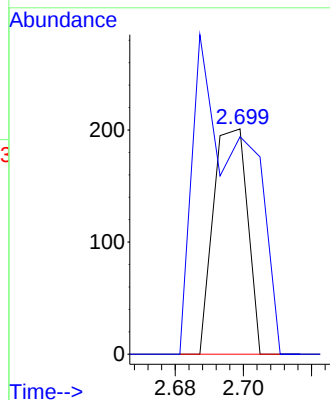
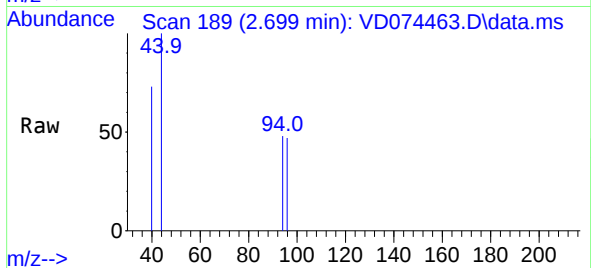




#5
Bromomethane
Concen: 4.969 ug/l
RT: 2.699 min Scan# 11
Delta R.T. 0.018 min
Lab File: VD074463.D
Acq: 06 Oct 2022 13:49

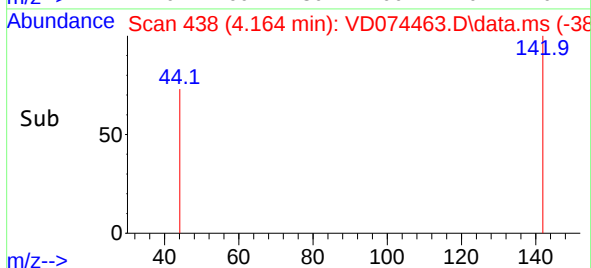
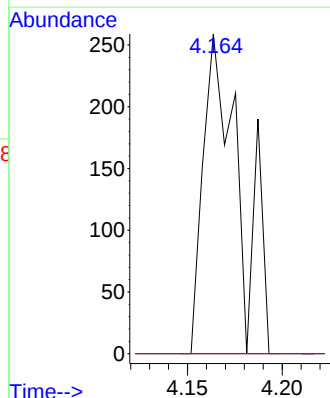
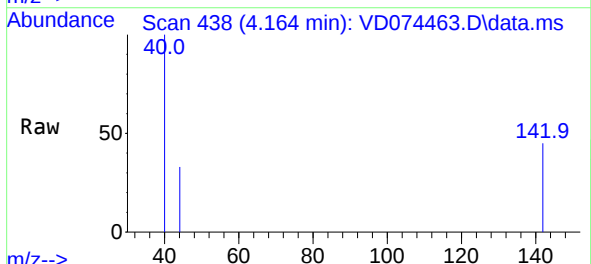
Instrument :
MSVOA_D
ClientSampleId :
SB-04-0-2.0

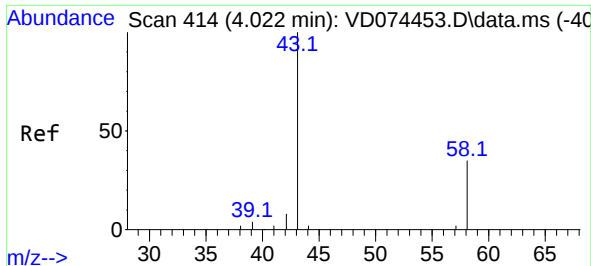
Tgt Ion: 94 Resp: 140
Ion Ratio Lower Upper
94 100
96 96.5 74.6 112.0



#10
Methyl Iodide
Concen: 10.267 ug/l
RT: 4.164 min Scan# 438
Delta R.T. 0.006 min
Lab File: VD074463.D
Acq: 06 Oct 2022 13:49

Tgt Ion: 142 Resp: 346
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#

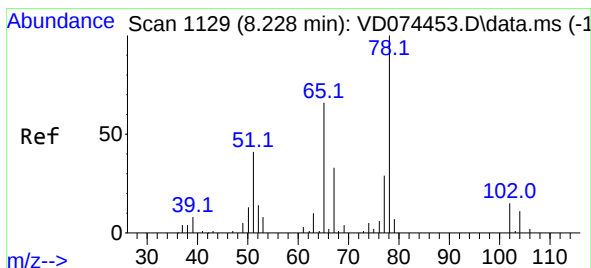
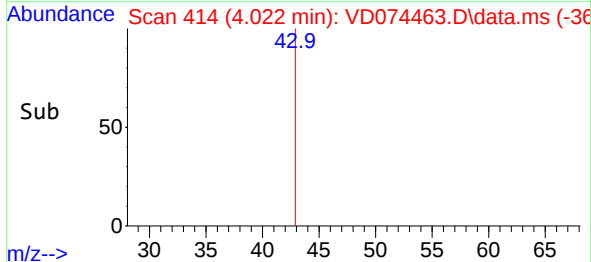
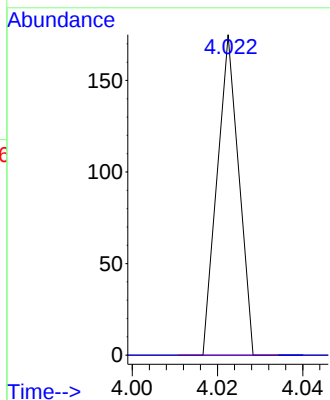
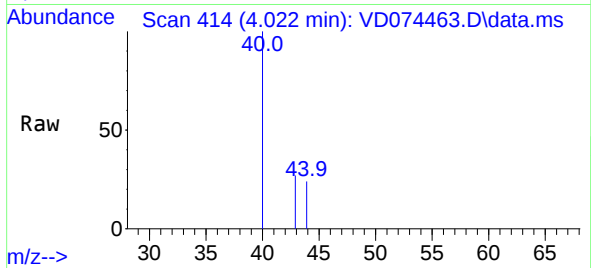




#16
Acetone
Concen: 17.268 ug/l
RT: 4.022 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD074463.D
Acq: 06 Oct 2022 13:49

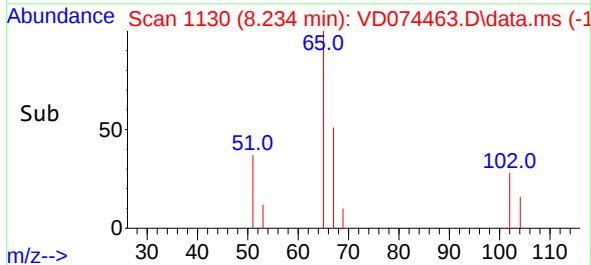
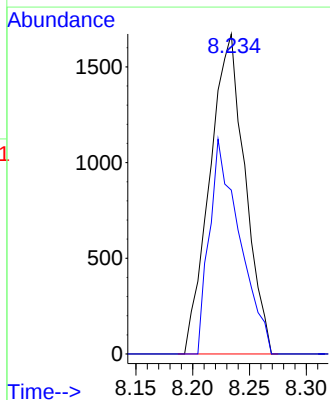
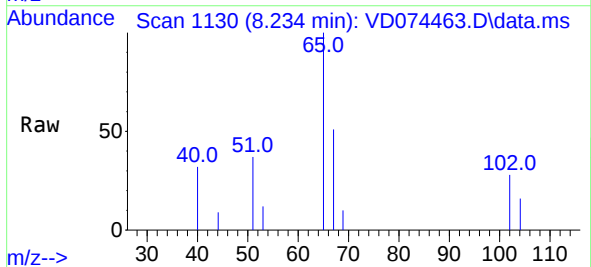
Instrument :
MSVOA_D
ClientSampleId :
SB-04-0-2.0

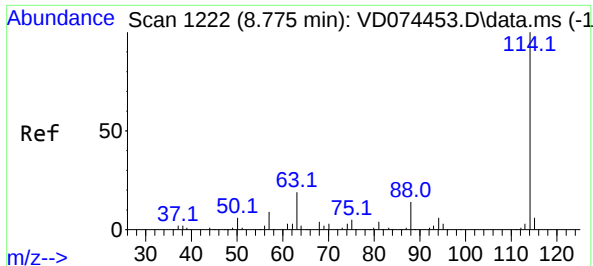
Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#



#33
1,2-Dichloroethane-d4
Concen: 89.128 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD074463.D
Acq: 06 Oct 2022 13:49

Tgt Ion: 65 Resp: 3607
Ion Ratio Lower Upper
65 100
67 57.7 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: VD074463.D

Acq: 06 Oct 2022 13:49

Instrument :

MSVOA_D

ClientSampleId :

SB-04-0-2.0

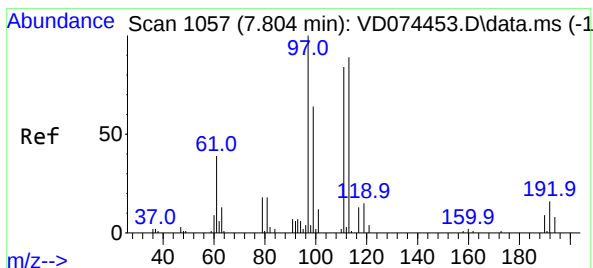
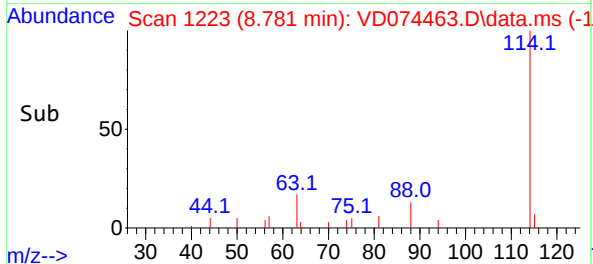
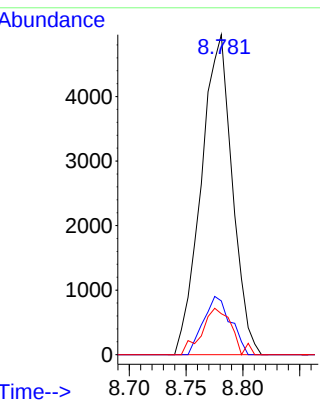
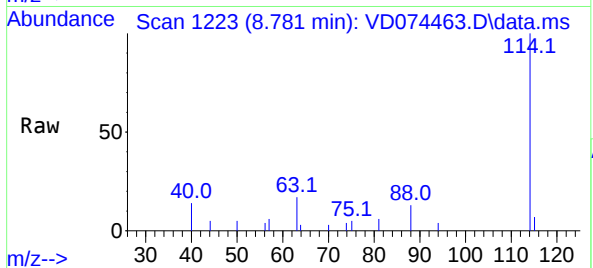
Tgt Ion:114 Resp: 9435

Ion Ratio Lower Upper

114 100

63 16.8 0.0 33.2

88 12.8 0.0 28.2



#35

Dibromofluoromethane

Concen: 58.667 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD074463.D

Acq: 06 Oct 2022 13:49

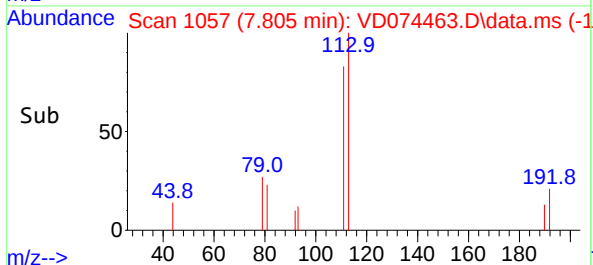
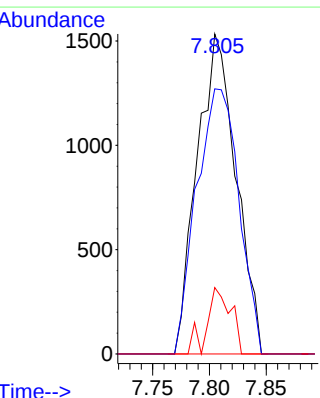
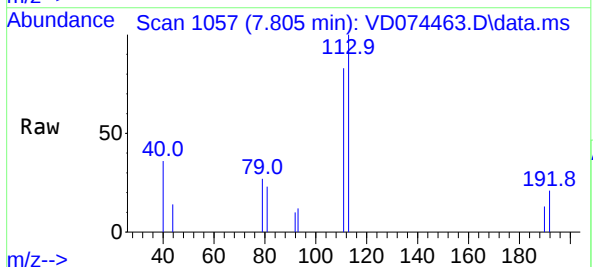
Tgt Ion:113 Resp: 3650

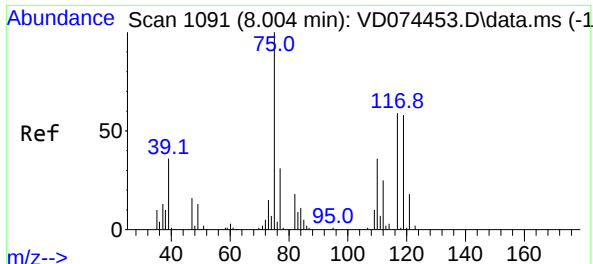
Ion Ratio Lower Upper

113 100

111 90.2 82.3 123.5

192 12.8 16.4 24.6#





#36

1,1-Dichloropropene

Concen: 2.107 ug/l

RT: 7.881 min Scan# 1091

Delta R.T. -0.123 min

Lab File: VD074463.D

Acq: 06 Oct 2022 13:49

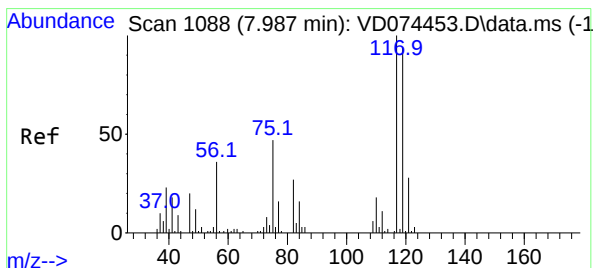
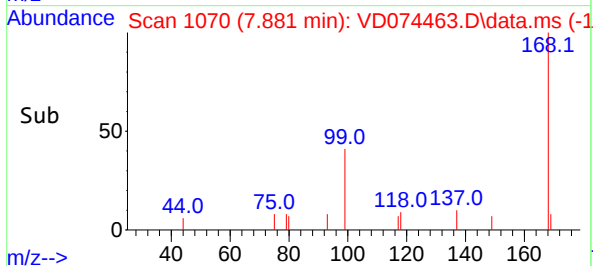
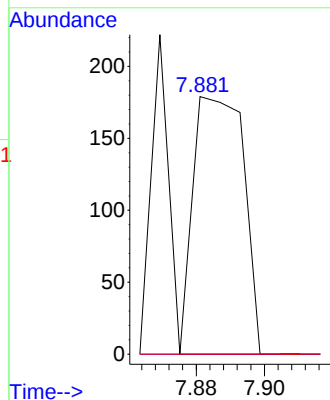
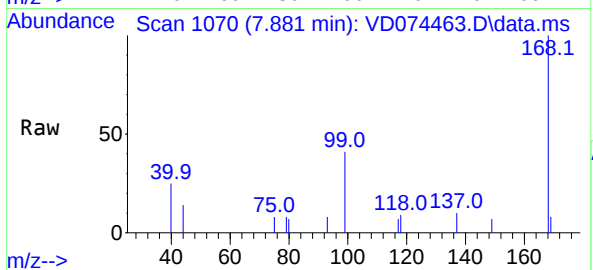
Instrument :

MSVOA_D

ClientSampleId :

SB-04-0-2.0

Tgt Ion:	75	Resp:	184
Ion	Ratio	Lower	Upper
75	100		
110	0.0	19.7	59.0#
77	0.0	25.4	38.2#



#38

Carbon Tetrachloride

Concen: 1.990 ug/l

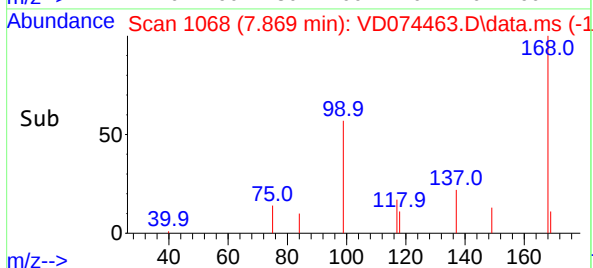
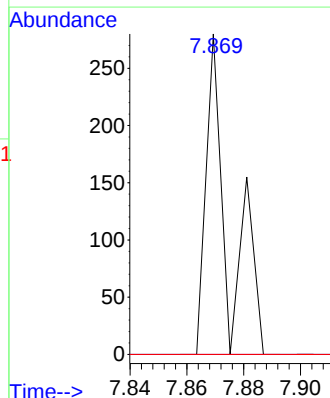
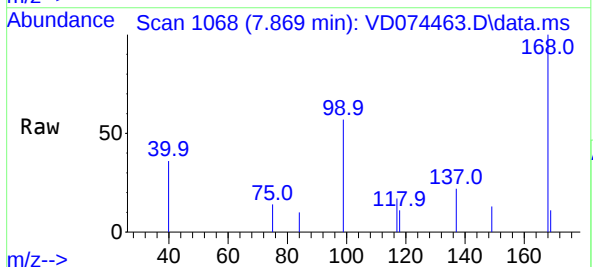
RT: 7.869 min Scan# 1068

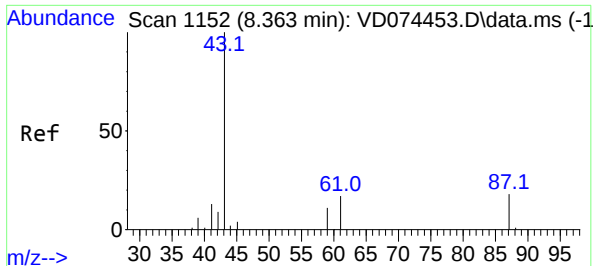
Delta R.T. -0.118 min

Lab File: VD074463.D

Acq: 06 Oct 2022 13:49

Tgt Ion:	117	Resp:	154
Ion	Ratio	Lower	Upper
117	100		
119	0.0	73.1	109.7#
121	0.0	25.0	37.6#

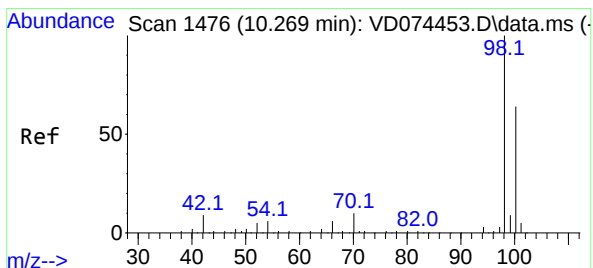
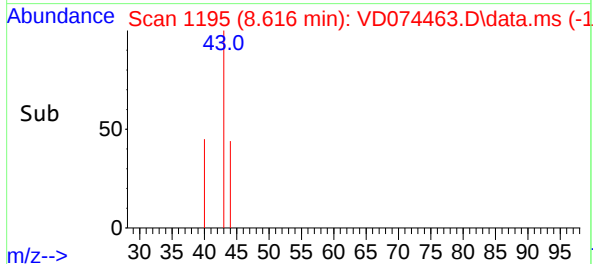
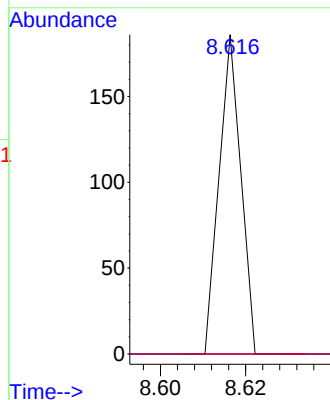
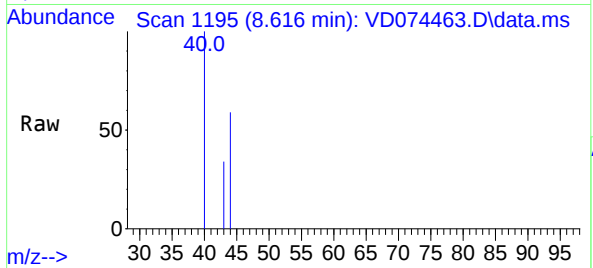




#43
Isopropyl Acetate
Concen: 1.207 ug/l
RT: 8.616 min Scan# 1152
Delta R.T. 0.253 min
Lab File: VD074463.D
Acq: 06 Oct 2022 13:49

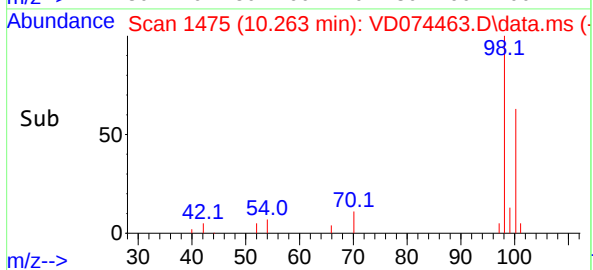
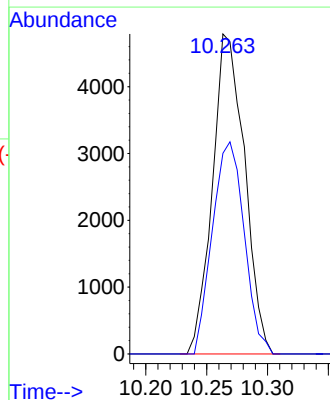
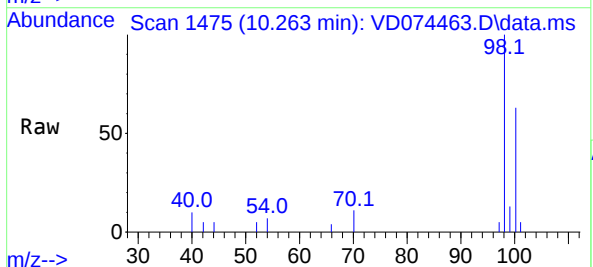
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MSVOA_D
ClientSampleId :
SB-04-0-2.0

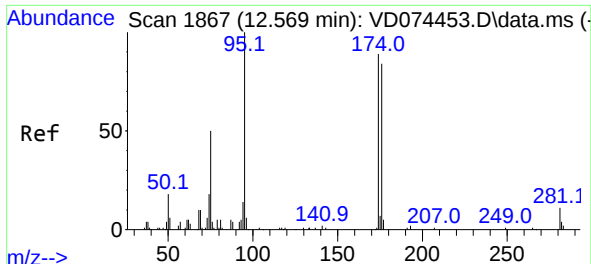
Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
61 0.0 30.9 46.3#
87 0.0 14.3 21.5#



#50
Toluene-d8
Concen: 39.120 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VD074463.D
Acq: 06 Oct 2022 13:49

Tgt Ion: 98 Resp: 8797
Ion Ratio Lower Upper
98 100
100 65.6 51.4 77.0

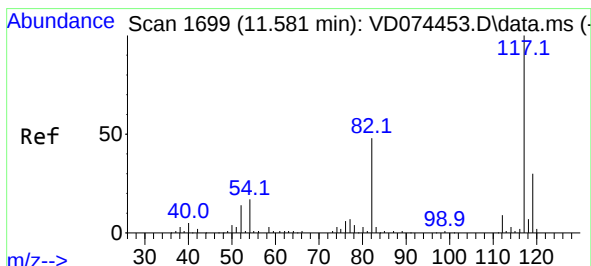
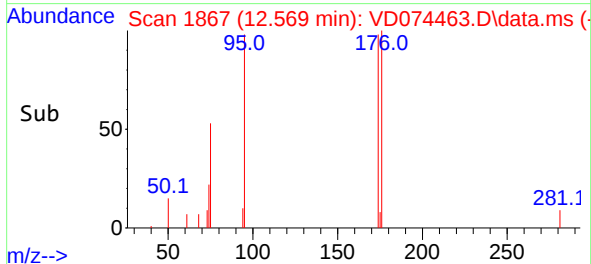
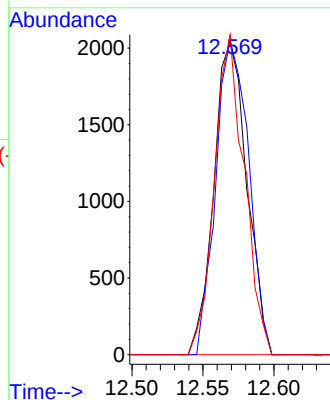
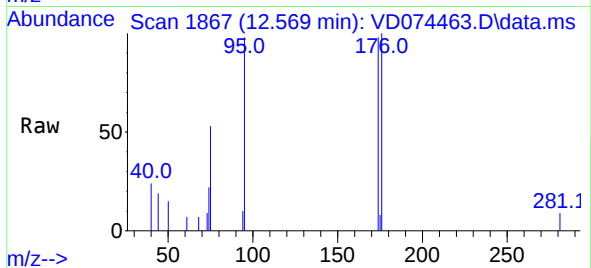




#62
4-Bromofluorobenzene
Concen: 46.583 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD074463.D
Acq: 06 Oct 2022 13:49

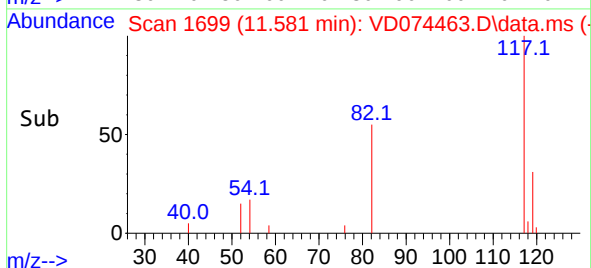
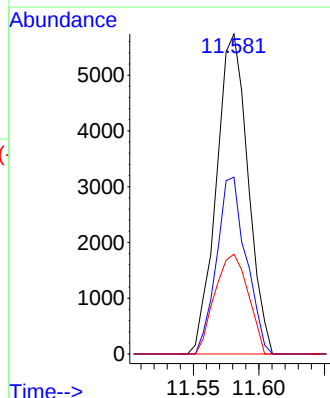
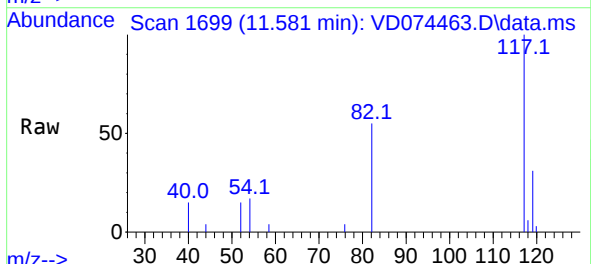
Instrument :
MSVOA_D
ClientSampleId :
SB-04-0-2.0

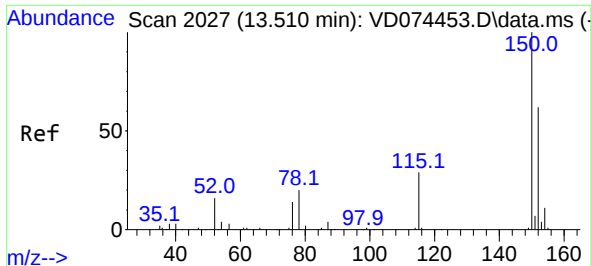
Tgt Ion:	95	Resp:	3301
Ion	Ratio	Lower	Upper
95	100		
174	100.2	0.0	197.0
176	92.5	0.0	182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD074463.D
Acq: 06 Oct 2022 13:49

Tgt Ion:	117	Resp:	9623
Ion	Ratio	Lower	Upper
117	100		
82	55.3	41.6	62.4
119	31.2	25.2	37.8

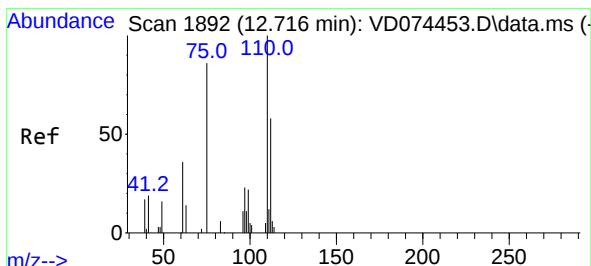
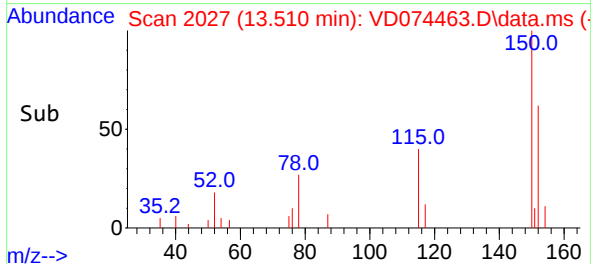
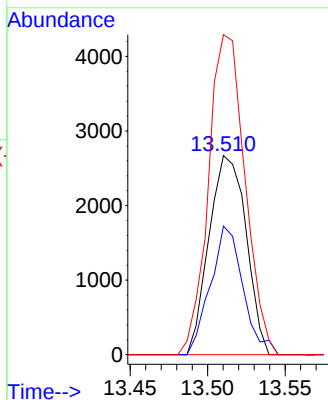
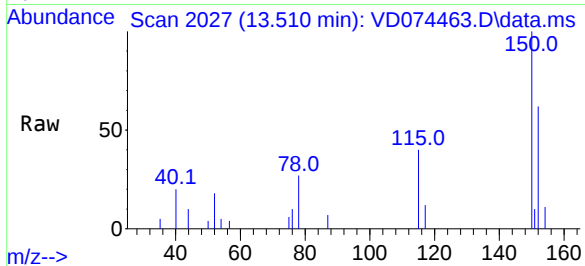




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.510 min Scan# 2027
Delta R.T. 0.000 min
Lab File: VD074463.D
Acq: 06 Oct 2022 13:49

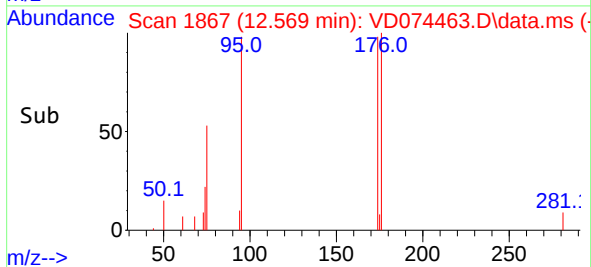
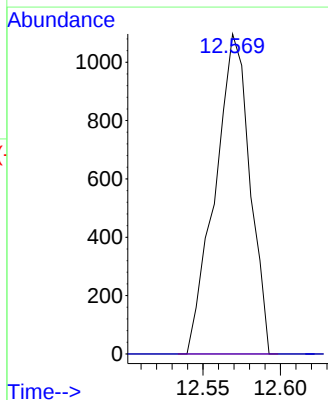
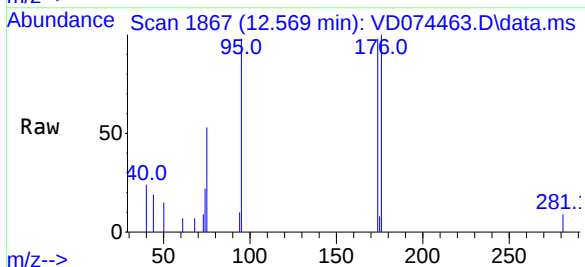
Instrument :
MSVOA_D
ClientSampleId :
SB-04-0-2.0

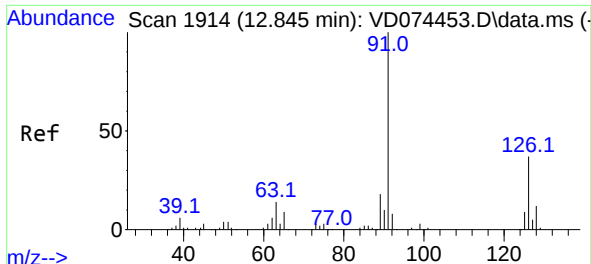
Tgt Ion:152 Resp: 4436
Ion Ratio Lower Upper
152 100
115 57.0 26.8 80.4
150 158.6 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 50.276 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.147 min
Lab File: VD074463.D
Acq: 06 Oct 2022 13:49

Tgt Ion: 75 Resp: 1712
Ion Ratio Lower Upper
75 100
77 0.0 185.8 557.5#





#79

2-Chlorotoluene

Concen: 1.201 ug/l

RT: 12.951 min Scan# 1914

Delta R.T. 0.106 min

Lab File: VD074463.D

Acq: 06 Oct 2022 13:49

Instrument :

MSVOA_D

ClientSampleId :

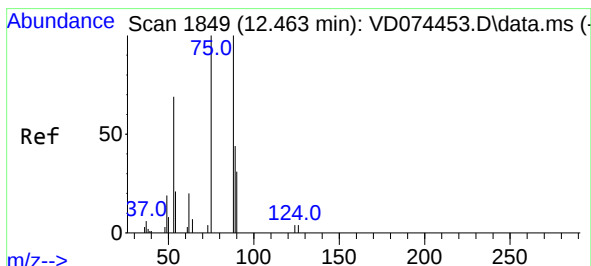
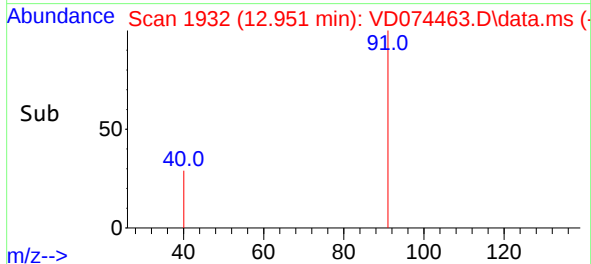
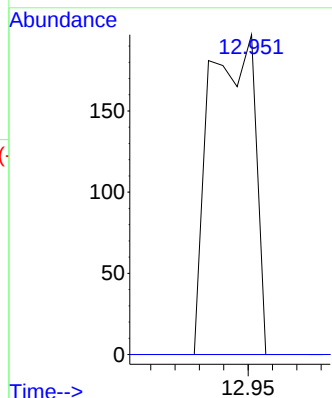
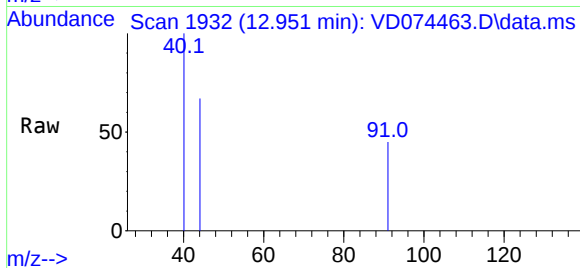
SB-04-0-2.0

Tgt Ion: 91 Resp: 255

Ion Ratio Lower Upper

91 100

126 0.0 18.3 54.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 112.171 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. 0.106 min

Lab File: VD074463.D

Acq: 06 Oct 2022 13:49

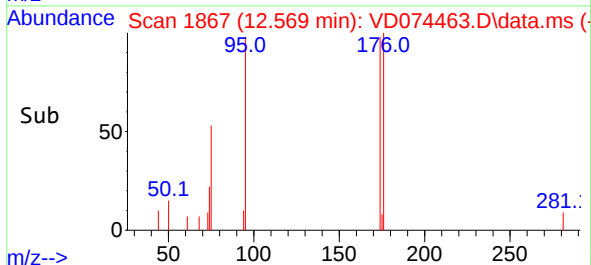
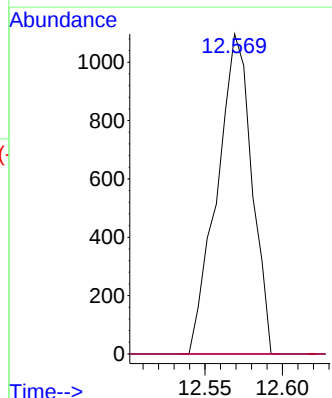
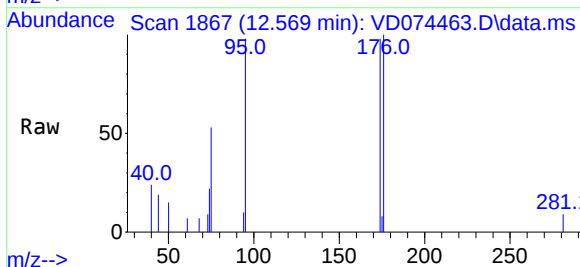
Tgt Ion: 75 Resp: 1712

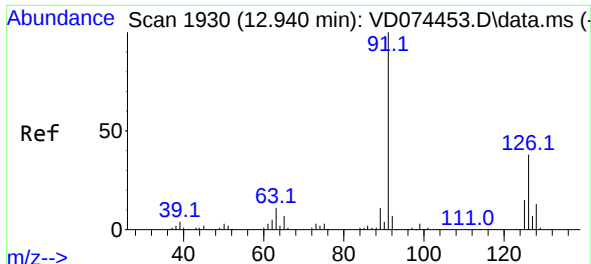
Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.6#

89 0.0 38.2 57.4#

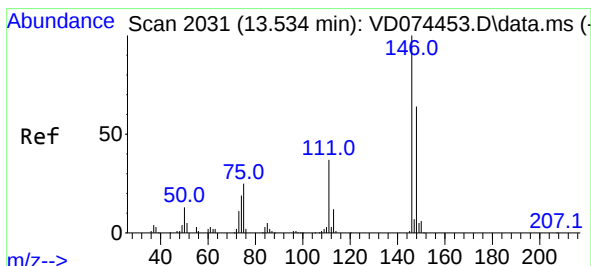
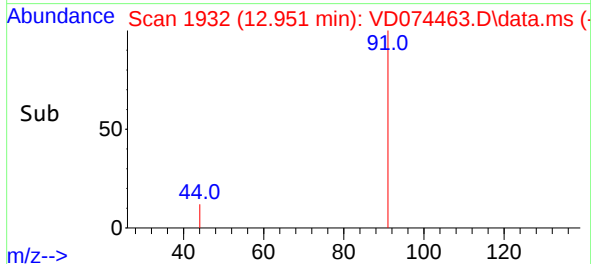
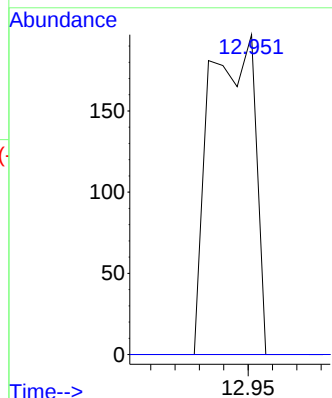
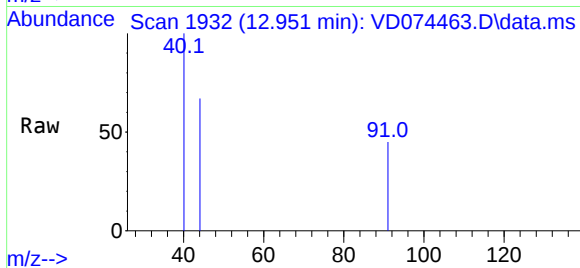




#82
4-Chlorotoluene
Concen: 1.177 ug/l
RT: 12.951 min Scan# 1932
Delta R.T. 0.012 min
Lab File: VD074463.D
Acq: 06 Oct 2022 13:49

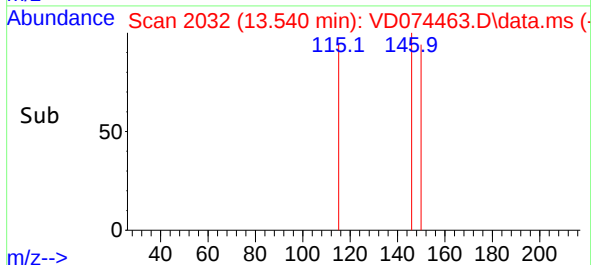
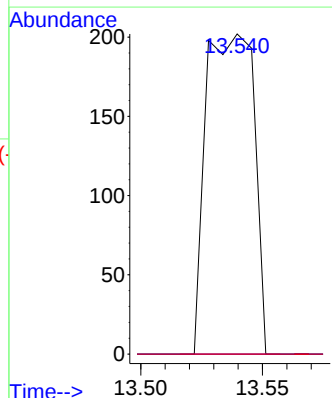
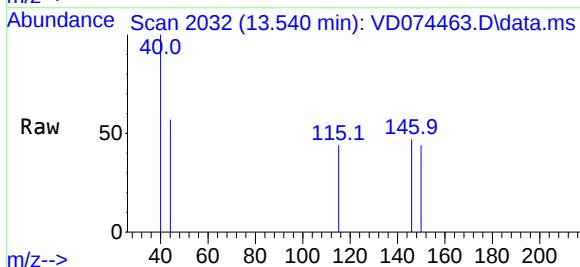
Instrument :
MSVOA_D
ClientSampleId :
SB-04-0-2.0

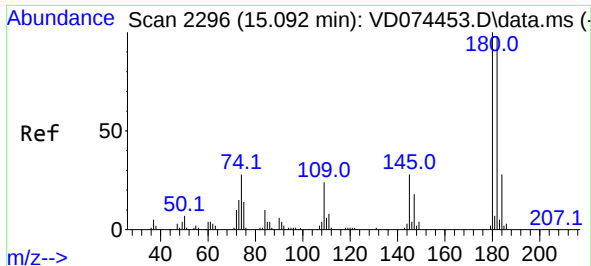
Tgt Ion: 91 Resp: 255
Ion Ratio Lower Upper
91 100
126 0.0 18.8 56.4#



#88
1,4-Dichlorobenzene
Concen: 1.847 ug/l
RT: 13.540 min Scan# 2032
Delta R.T. 0.006 min
Lab File: VD074463.D
Acq: 06 Oct 2022 13:49

Tgt Ion: 146 Resp: 276
Ion Ratio Lower Upper
146 100
111 0.0 17.7 53.1#
148 0.0 32.3 96.9#

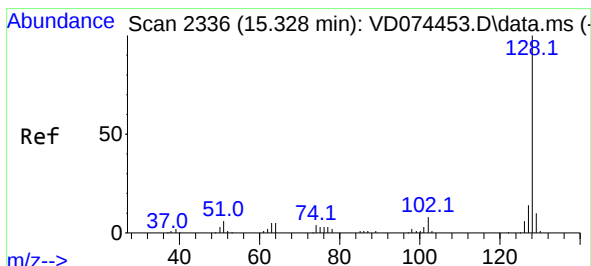
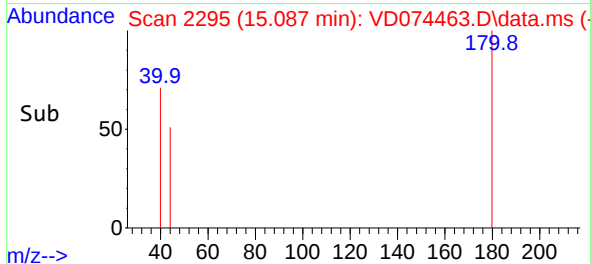
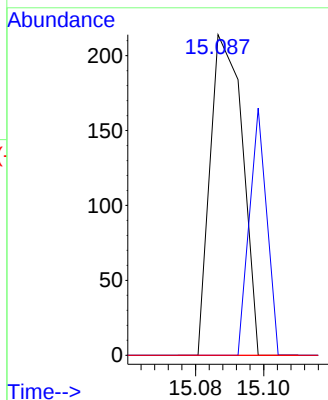
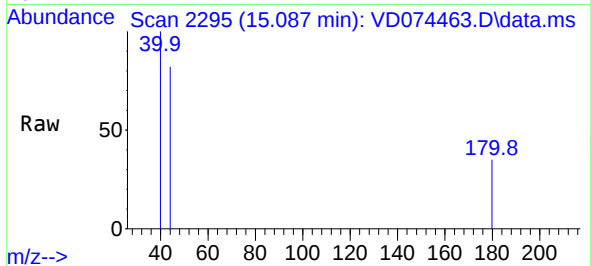




#93
1,2,4-Trichlorobenzene
Concen: 1.690 ug/l
RT: 15.087 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD074463.D
Acq: 06 Oct 2022 13:49

Instrument :
MSVOA_D
ClientSampleId :
SB-04-0-2.0

Tgt Ion:180	Resp:	140
Ion Ratio	Lower	Upper
180	100	
182	41.4	46.9 140.6#
145	0.0	14.1 42.3#



#95
Naphthalene
Concen: 4.523 ug/l
RT: 15.328 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VD074463.D
Acq: 06 Oct 2022 13:49

Tgt Ion:128	Resp:	715
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.6 16.0#
129	0.0	8.3 12.5#

