

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032822\
 Data File : VD072449.D
 Acq On : 28 Mar 2022 17:26
 Operator : VA/SY
 Sample : N1977-06
 Misc : 4.78G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-14-20220315-15.0-16.0

Quant Time: Mar 29 01:30:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

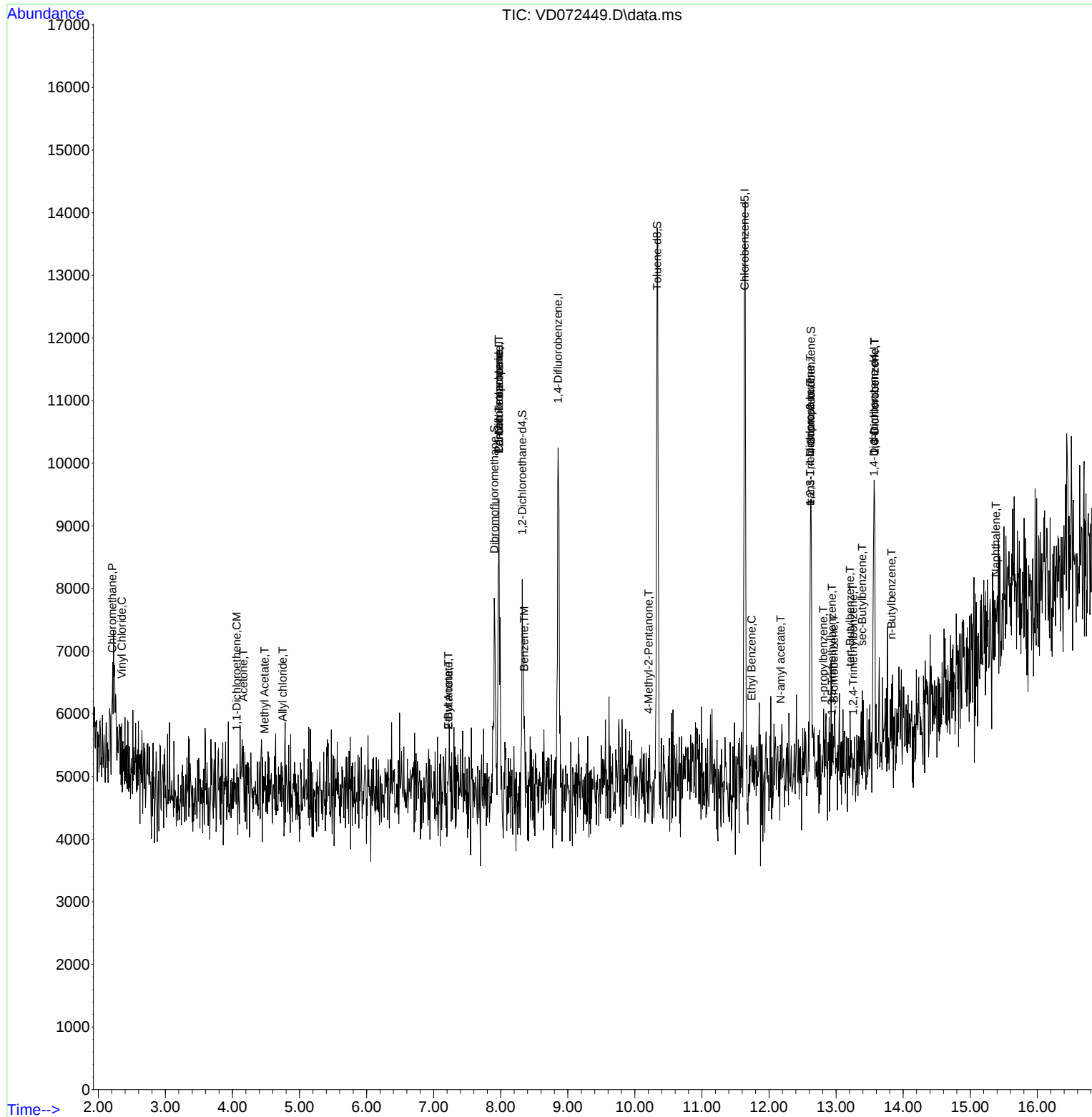
Internal Standards						
1) Pentafluorobenzene	7.973	168	3428	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.856	114	5452	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	5592	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	1481	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	1409	36.882	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	73.760%		
35) Dibromofluoromethane	7.903	113	2138	55.726	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	111.460%		
50) Toluene-d8	10.332	98	6441	45.913	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.820%		
62) 4-Bromofluorobenzene	12.626	95	1966	36.068	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	72.140%		
Target Compounds						Qvalue
3) Chloromethane	2.209	50	54	1.917	ug/l	# 40
4) Vinyl Chloride	2.350	62	192	7.060	ug/l	# 43
12) 1,1-Dichloroethene	4.062	96	125	3.968	ug/l	# 1
14) Allyl chloride	4.750	41	65	1.180	ug/l	# 54
16) Acetone	4.162	43	1921	231.595	ug/l	# 47
18) Methyl Acetate	4.479	43	59	2.903	ug/l	# 55
25) 2-Butanone	7.220	43	202	18.265	ug/l	# 52
36) 1,1-Dichloropropene	7.973	75	179	3.326	ug/l	# 43
37) Ethyl Acetate	7.220	43	202	8.568	ug/l	# 72
38) Carbon Tetrachloride	7.973	117	201	3.285	ug/l	# 13
40) Benzene	8.350	78	813	5.295	ug/l	# 30
51) 4-Methyl-2-Pentanone	10.203	43	54	2.247	ug/l	# 39
67) Ethyl Benzene	11.738	91	306	1.382	ug/l	# 44
74) N-amyl acetate	12.173	43	63	2.498	ug/l	# 45
76) 1,2,3-Trichloropropane	12.614	75	950	58.151	ug/l	# 100
77) Bromobenzene	12.967	156	56	2.120	ug/l	# 1
78) n-propylbenzene	12.808	91	627	4.398	ug/l	# 54
80) 1,3,5-Trimethylbenzene	12.938	105	147	1.458	ug/l	# 86
81) trans-1,4-Dichloro-2-b...	12.614	75	950	144.279	ug/l	# 7
83) tert-Butylbenzene	13.208	119	98	1.109	ug/l	# 77
84) 1,2,4-Trimethylbenzene	13.255	105	366	3.684	ug/l	# 32
85) sec-Butylbenzene	13.391	105	142	1.070	ug/l	# 57
87) 1,3-Dichlorobenzene	13.573	146	227	4.100	ug/l	# 25
88) 1,4-Dichlorobenzene	13.573	146	227	4.135	ug/l	# 25
89) n-Butylbenzene	13.826	91	220	2.113	ug/l	# 57
95) Naphthalene	15.385	128	280	5.083	ug/l	# 70

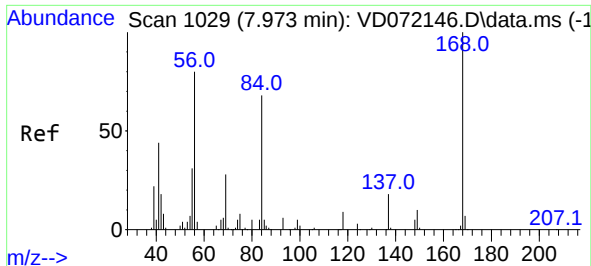
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072449\
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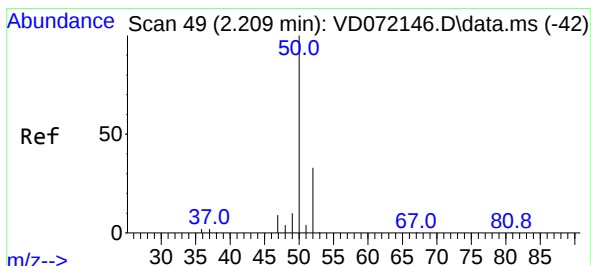
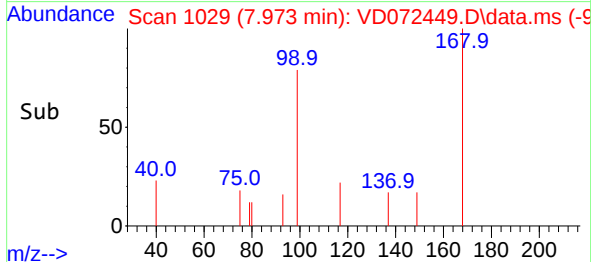
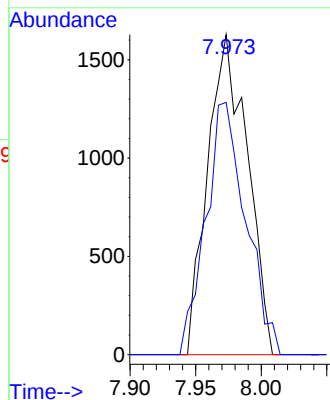
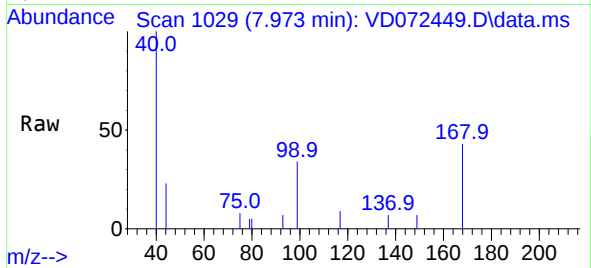




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072449.D
Acq: 28 Mar 2022 17:26

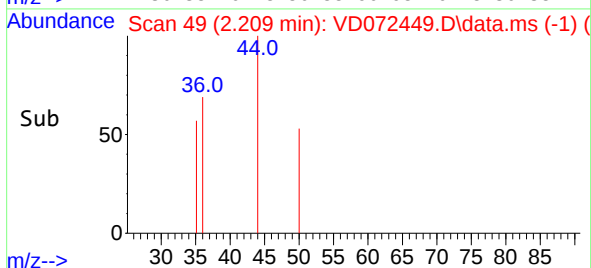
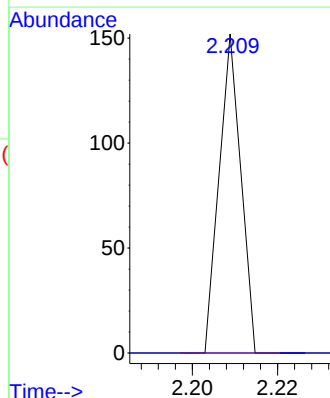
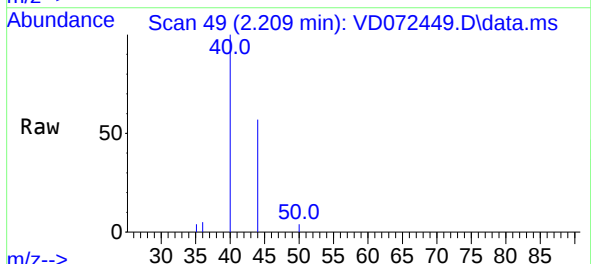
Instrument :
MSVOA_D
ClientSampleId :
SB-14-20220315-15.0-16.0

Tgt Ion:168 Resp: 3428
Ion Ratio Lower Upper
168 100
99 78.9 49.8 74.6#

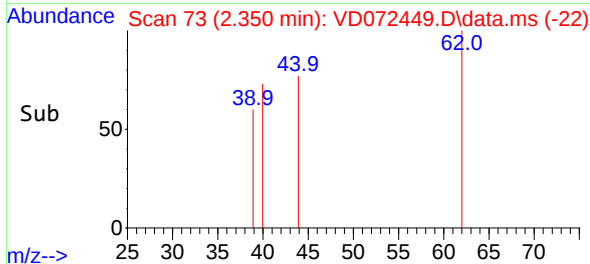
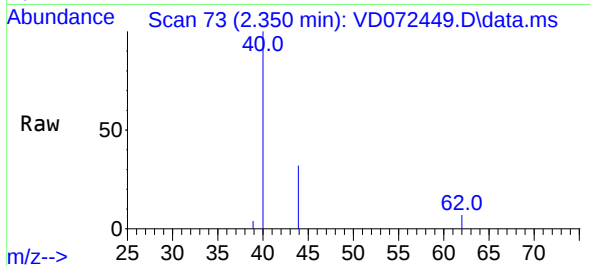
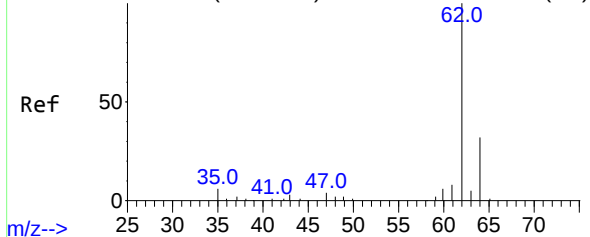


#3
Chloromethane
Concen: 1.917 ug/l
RT: 2.209 min Scan# 49
Delta R.T. 0.000 min
Lab File: VD072449.D
Acq: 28 Mar 2022 17:26

Tgt Ion: 50 Resp: 54
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#



Abundance Scan 73 (2.350 min): VD072146.D\data.ms (-66)



#4

Vinyl Chloride

Concen: 7.060 ug/l

RT: 2.350 min Scan# 71

Delta R.T. 0.000 min

Lab File: VD072449.D

Acq: 28 Mar 2022 17:26

Instrument :

MSVOA_D

ClientSampleId :

SB-14-20220315-15.0-16.0

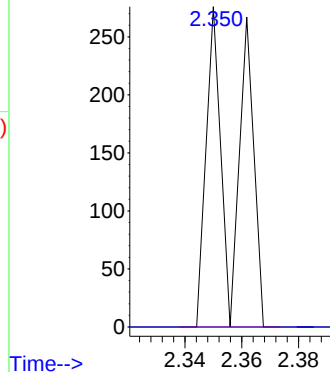
Tgt Ion: 62 Resp: 192

Ion Ratio Lower Upper

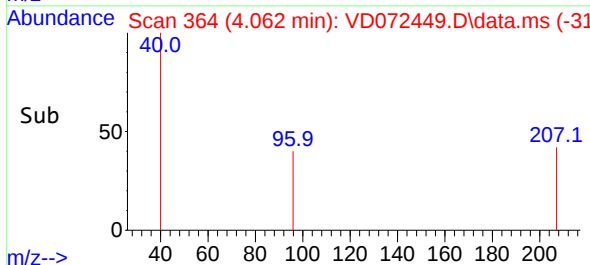
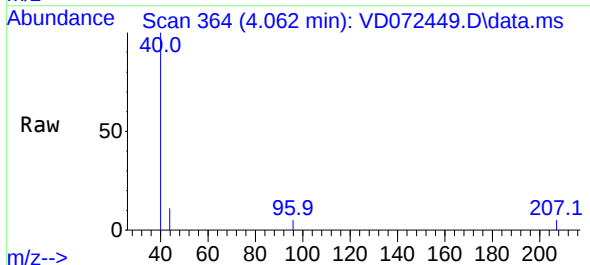
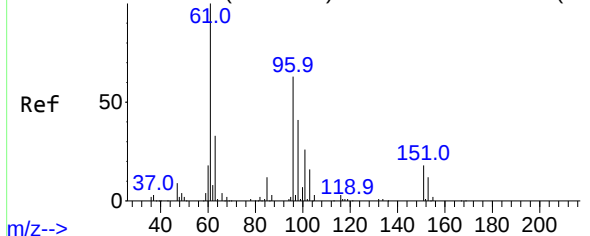
62 100

64 0.0 25.4 38.0#

Abundance



Abundance Scan 365 (4.067 min): VD072146.D\data.ms (-35)



#12

1,1-Dichloroethene

Concen: 3.968 ug/l

RT: 4.062 min Scan# 364

Delta R.T. -0.006 min

Lab File: VD072449.D

Acq: 28 Mar 2022 17:26

Tgt Ion: 96 Resp: 125

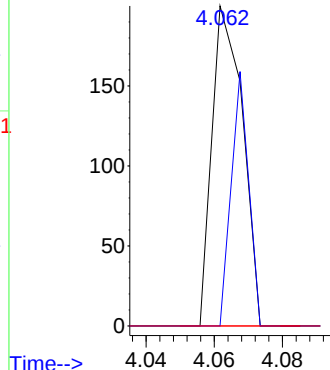
Ion Ratio Lower Upper

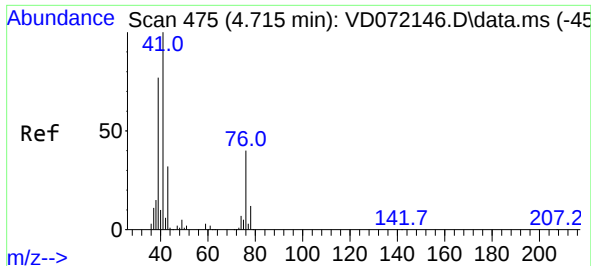
96 100

61 0.0 138.5 207.7#

98 0.0 48.6 73.0#

Abundance

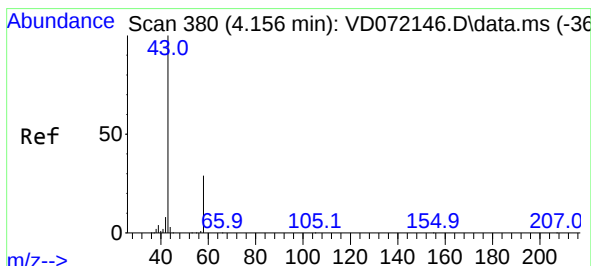
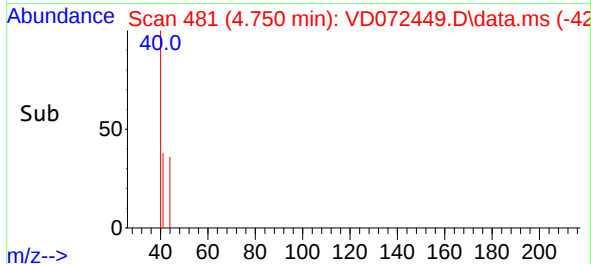
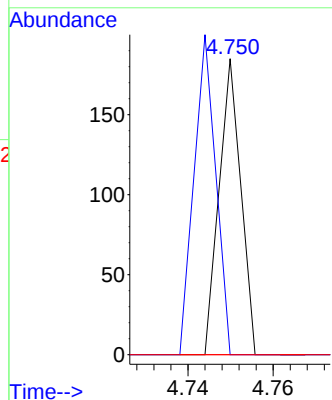
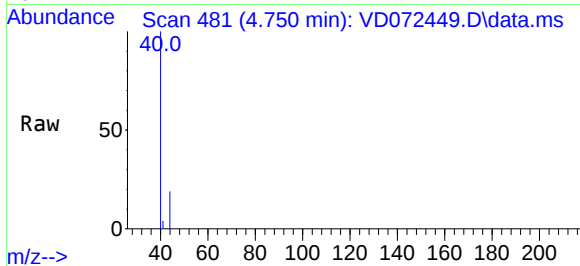




#14
Allyl chloride
Concen: 1.180 ug/l
RT: 4.750 min Scan# 41
Delta R.T. 0.035 min
Lab File: VD072449.D
Acq: 28 Mar 2022 17:26

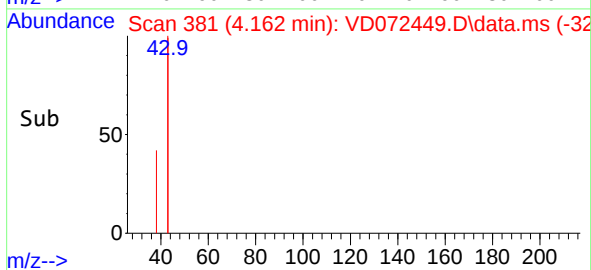
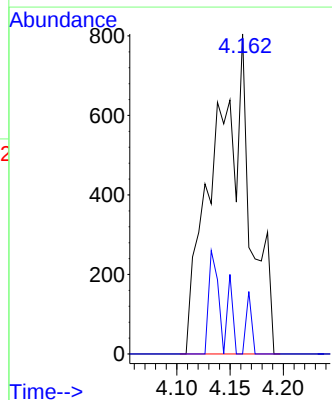
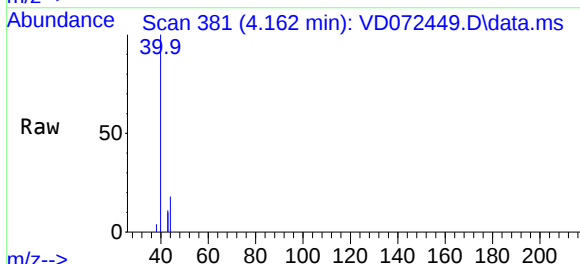
Instrument :
MSVOA_D
ClientSampleId :
SB-14-20220315-15.0-16.0

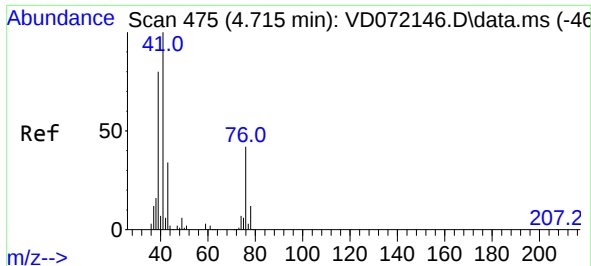
Tgt Ion: 41	Resp: 65
Ion Ratio	Lower Upper
41 100	
39 109.2	59.3 88.9#
76 0.0	25.7 38.5#



#16
Acetone
Concen: 231.595 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD072449.D
Acq: 28 Mar 2022 17:26

Tgt Ion: 43	Resp: 1921
Ion Ratio	Lower Upper
43 100	
58 0.0	22.1 33.1#





#18

Methyl Acetate

Concen: 2.903 ug/l

RT: 4.479 min Scan# 41

Delta R.T. -0.235 min

Lab File: VD072449.D

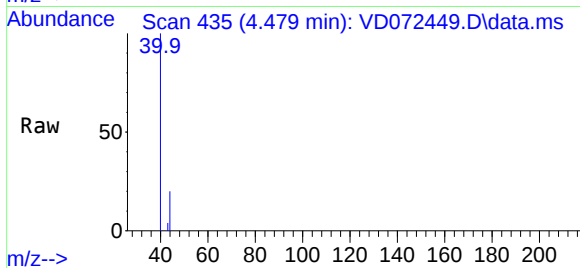
Acq: 28 Mar 2022 17:26

Instrument :

MSVOA_D

ClientSampleId :

SB-14-20220315-15.0-16.0

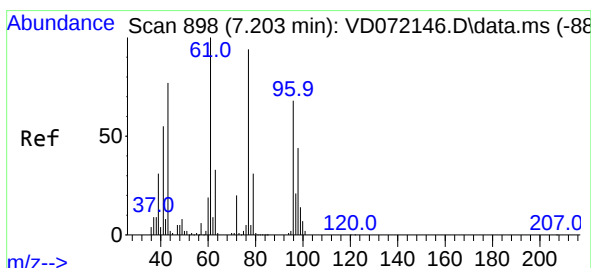
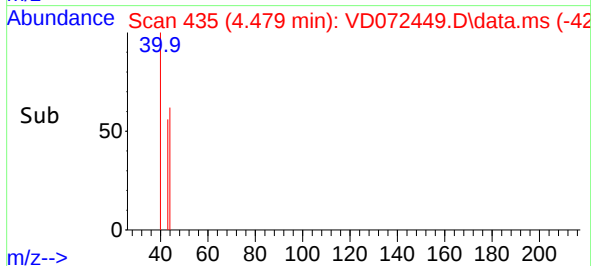
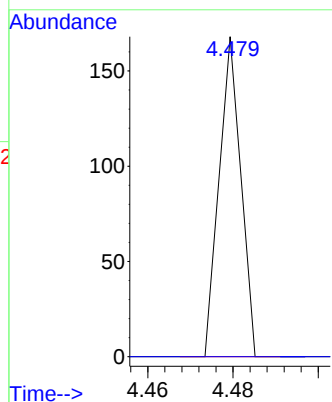


Tgt Ion: 43 Resp: 59

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#



#25

2-Butanone

Concen: 18.265 ug/l

RT: 7.220 min Scan# 901

Delta R.T. 0.018 min

Lab File: VD072449.D

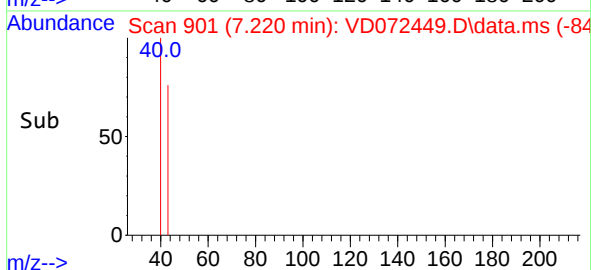
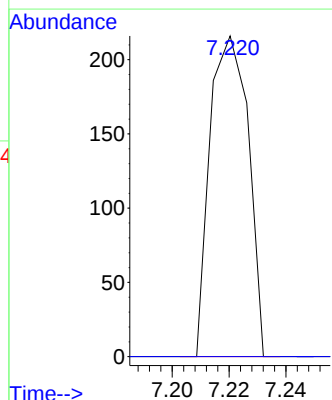
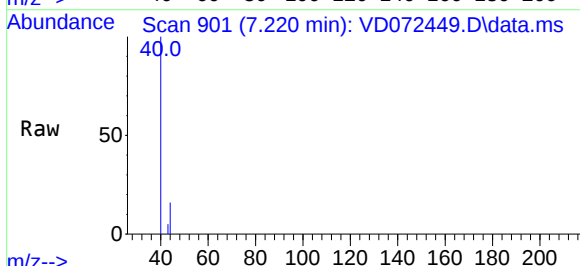
Acq: 28 Mar 2022 17:26

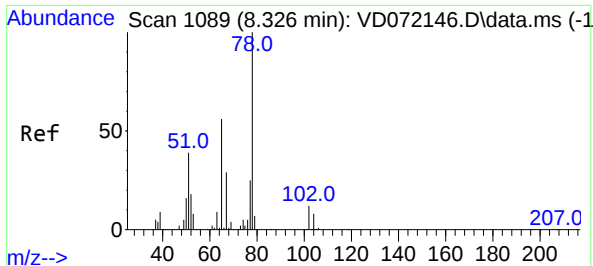
Tgt Ion: 43 Resp: 202

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#

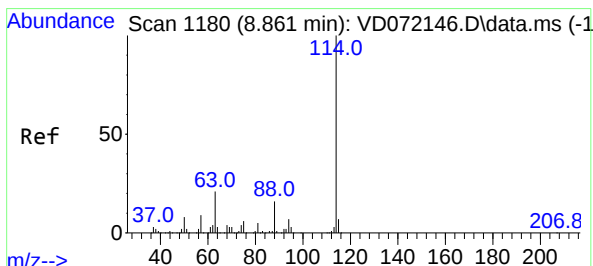
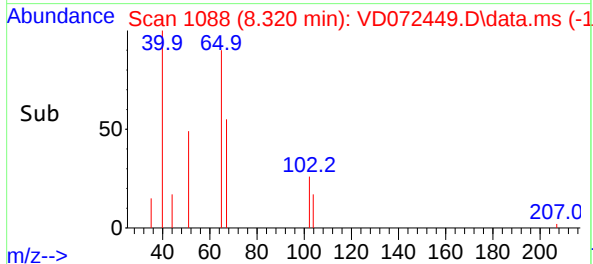
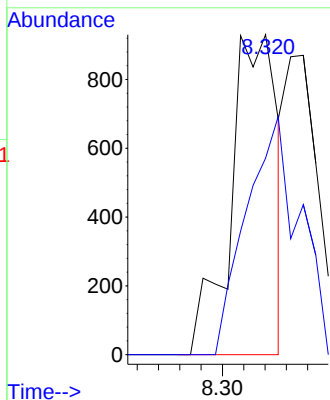
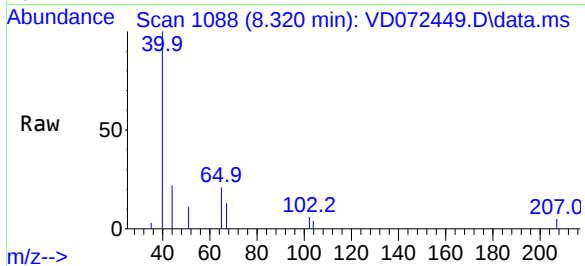




#33
1,2-Dichloroethane-d4
Concen: 36.882 ug/l
RT: 8.320 min Scan# 1109
Delta R.T. -0.006 min
Lab File: VD072449.D
Acq: 28 Mar 2022 17:26

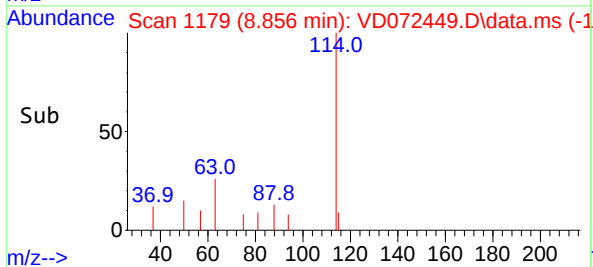
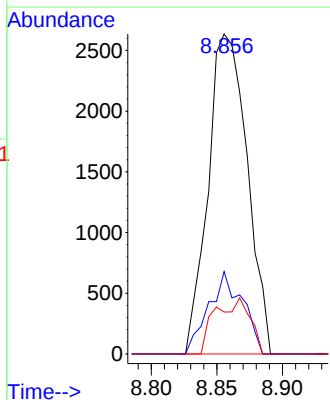
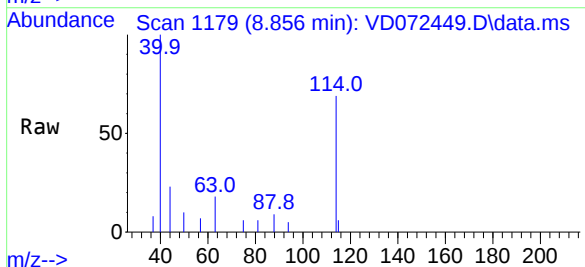
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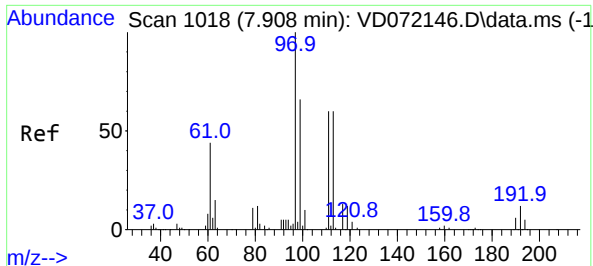
Tgt Ion: 65 Resp: 1409
Ion Ratio Lower Upper
65 100
67 88.6 0.0 101.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.856 min Scan# 1179
Delta R.T. -0.006 min
Lab File: VD072449.D
Acq: 28 Mar 2022 17:26

Tgt Ion: 114 Resp: 5452
Ion Ratio Lower Upper
114 100
63 25.8 0.0 46.6
88 13.1 0.0 33.2

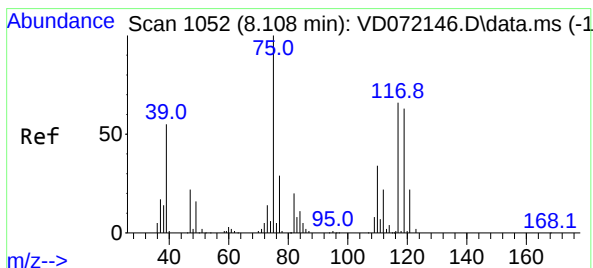
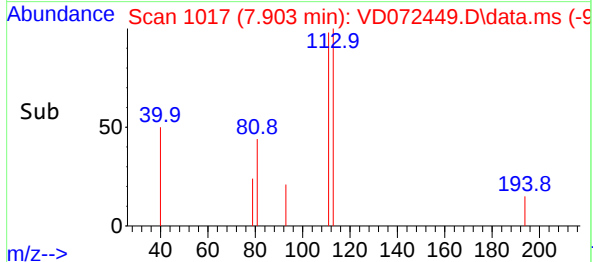
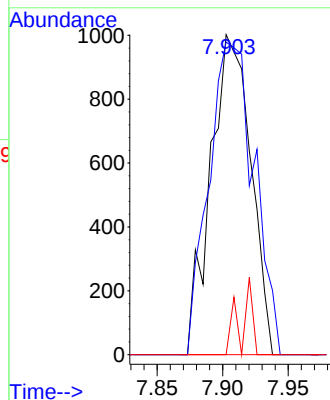
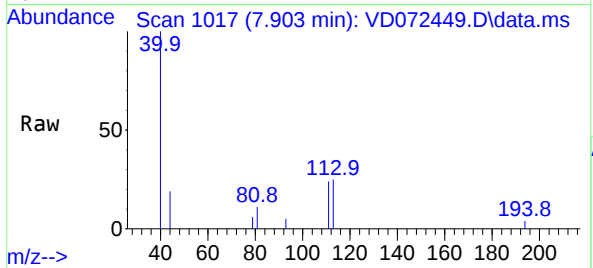




#35
Dibromofluoromethane
Concen: 55.726 ug/l
RT: 7.903 min Scan# 1017
Delta R.T. -0.006 min
Lab File: VD072449.D
Acq: 28 Mar 2022 17:26

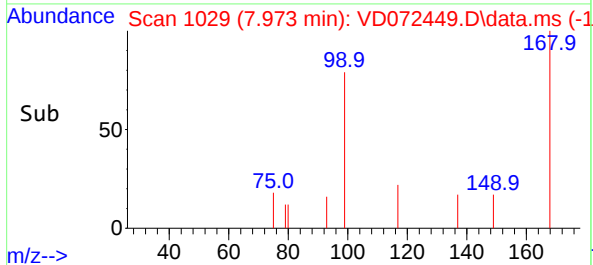
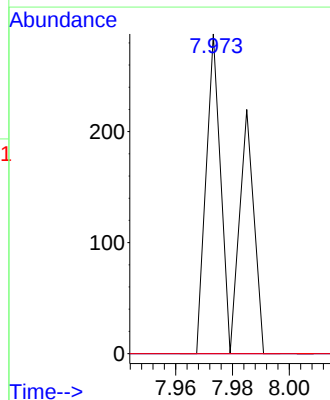
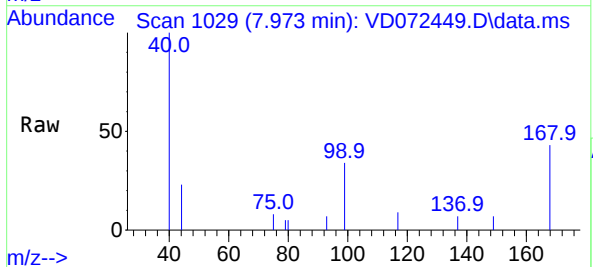
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SB-14-20220315-15.0-16.0

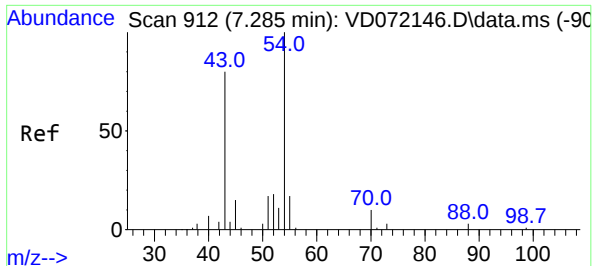
Tgt Ion:113 Resp: 2138
Ion Ratio Lower Upper
113 100
111 110.2 83.8 125.6
192 3.0 14.6 21.8#



#36
1,1-Dichloropropene
Concen: 3.326 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD072449.D
Acq: 28 Mar 2022 17:26

Tgt Ion: 75 Resp: 179
Ion Ratio Lower Upper
75 100
110 0.0 16.4 49.1#
77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 8.568 ug/l

RT: 7.220 min Scan# 901

Delta R.T. -0.065 min

Lab File: VD072449.D

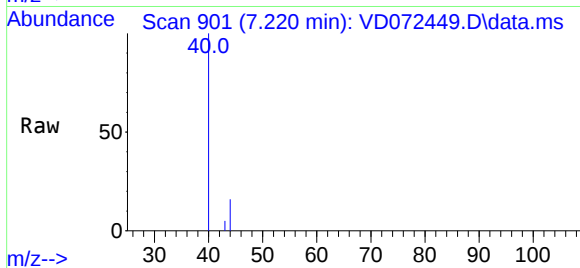
Acq: 28 Mar 2022 17:26

Instrument :

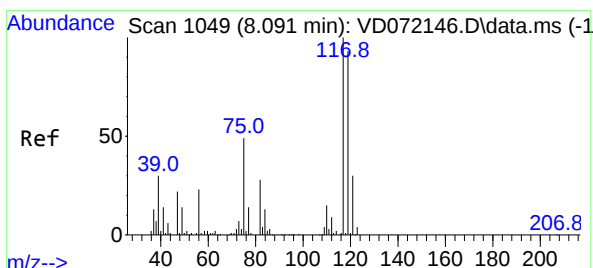
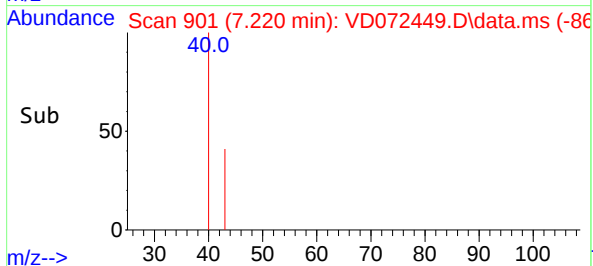
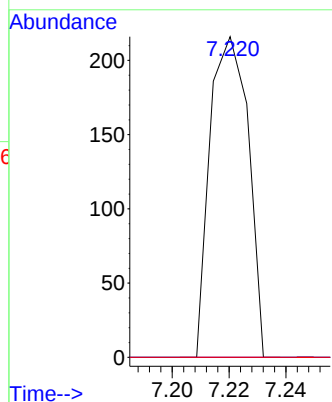
MSVOA_D

ClientSampleId :

SB-14-20220315-15.0-16.0



Tgt Ion: 43	Resp:	202
Ion	Ratio	Lower Upper
43	100	
61	0.0	9.8 14.8#
70	0.0	6.9 10.3#



#38

Carbon Tetrachloride

Concen: 3.285 ug/l

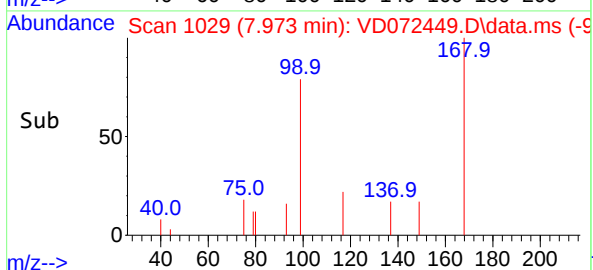
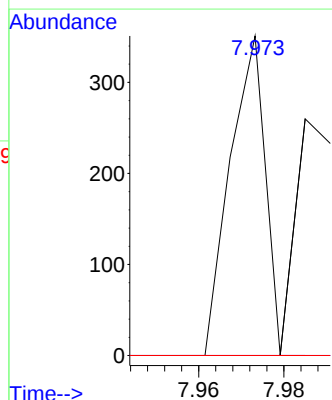
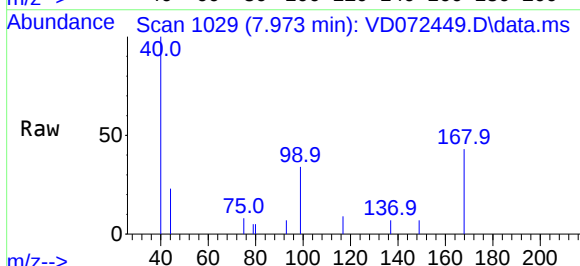
RT: 7.973 min Scan# 1029

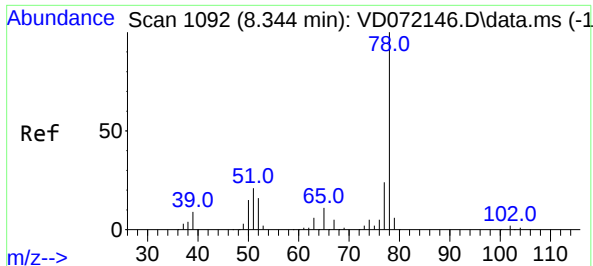
Delta R.T. -0.118 min

Lab File: VD072449.D

Acq: 28 Mar 2022 17:26

Tgt Ion: 117	Resp:	201
Ion	Ratio	Lower Upper
117	100	
119	0.0	75.8 113.6#
121	0.0	24.5 36.7#

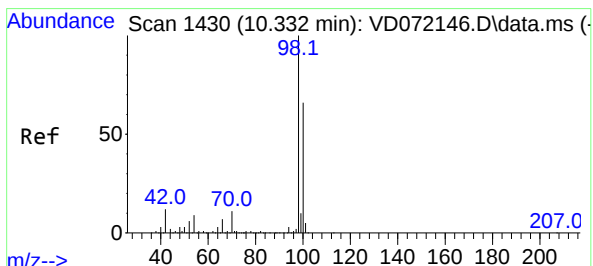
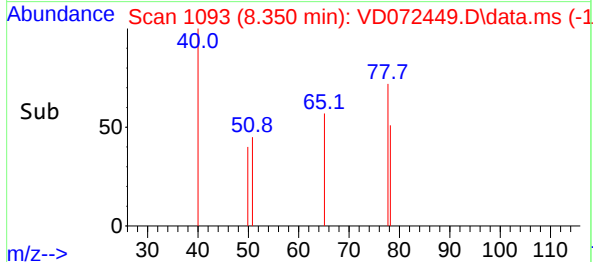
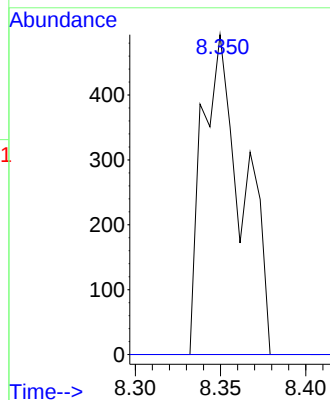
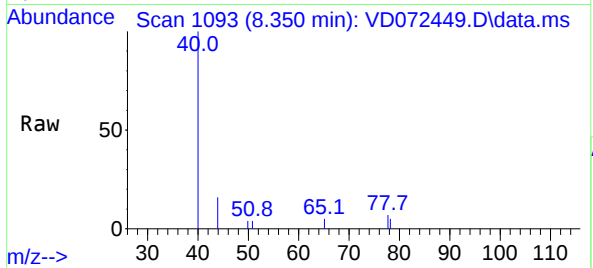




#40
Benzene
Concen: 5.295 ug/l
RT: 8.350 min Scan# 1092
Delta R.T. 0.006 min
Lab File: VD072449.D
Acq: 28 Mar 2022 17:26

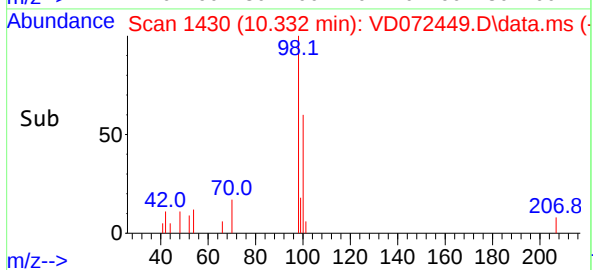
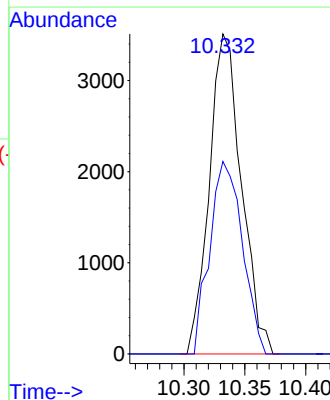
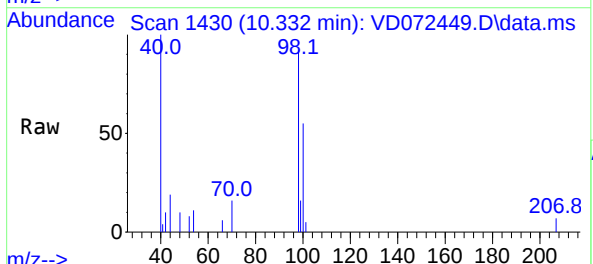
Instrument :
MSVOA_D
ClientSampleId :
SB-14-20220315-15.0-16.0

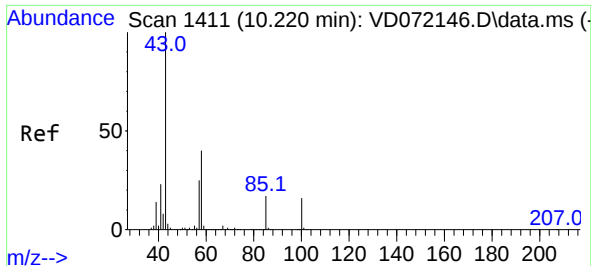
Tgt Ion: 78 Resp: 813
Ion Ratio Lower Upper
78 100
77 58.4 19.1 28.7#



#50
Toluene-d8
Concen: 45.913 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD072449.D
Acq: 28 Mar 2022 17:26

Tgt Ion: 98 Resp: 6441
Ion Ratio Lower Upper
98 100
100 61.0 52.4 78.6

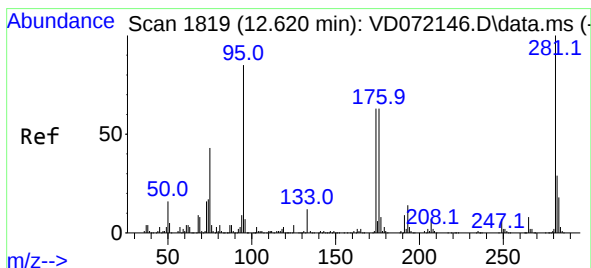
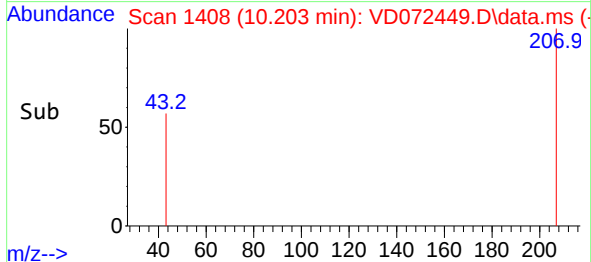
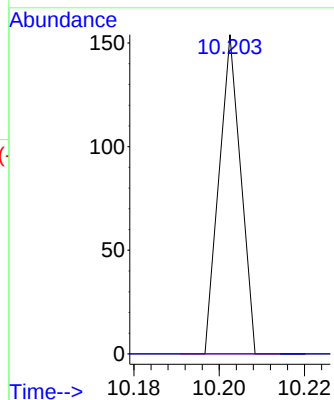
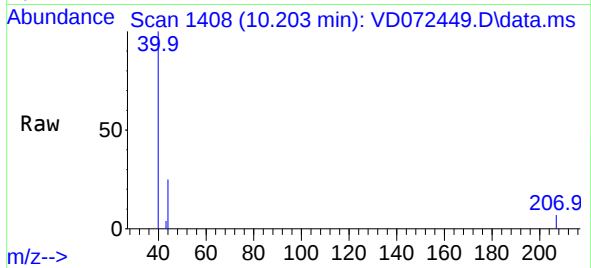




#51
4-Methyl-2-Pentanone
Concen: 2.247 ug/l
RT: 10.203 min Scan# 1411
Delta R.T. -0.018 min
Lab File: VD072449.D
Acq: 28 Mar 2022 17:26

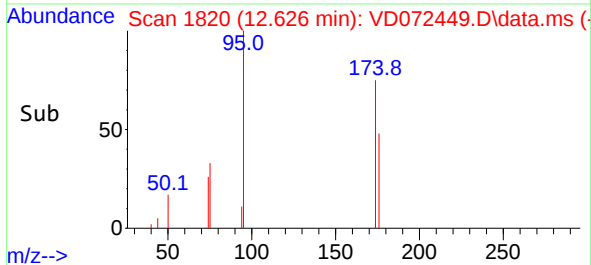
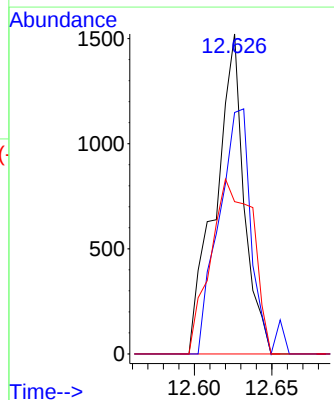
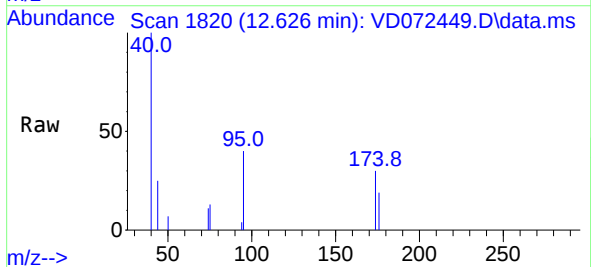
Instrument :
MSVOA_D
ClientSampleId :
SB-14-20220315-15.0-16.0

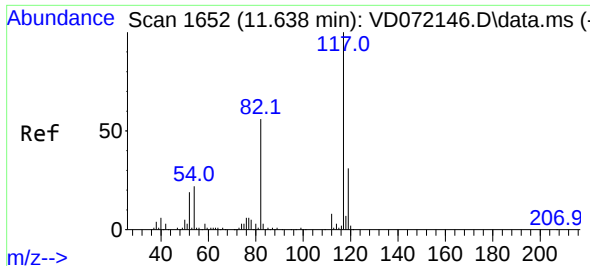
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#



#62
4-Bromofluorobenzene
Concen: 36.068 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072449.D
Acq: 28 Mar 2022 17:26

Tgt Ion: 95 Resp: 1966
Ion Ratio Lower Upper
95 100
174 87.1 0.0 152.8
176 79.6 0.0 145.4

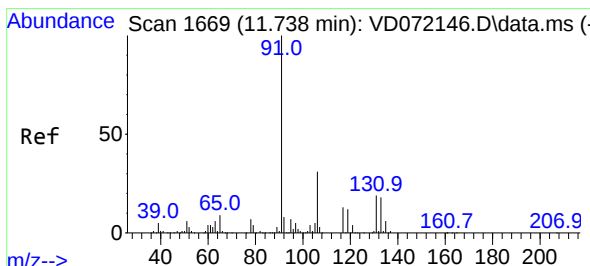
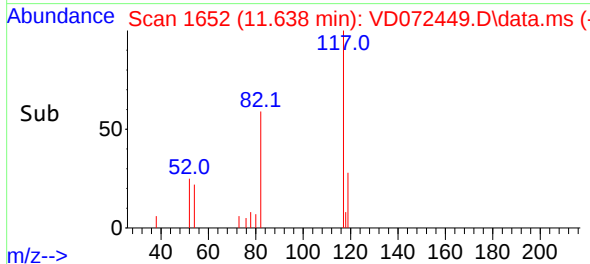
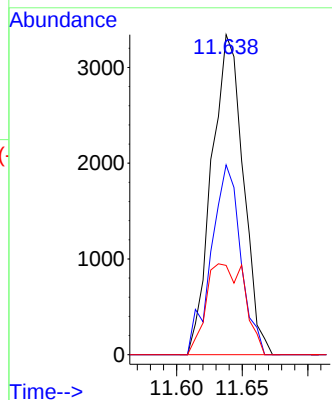
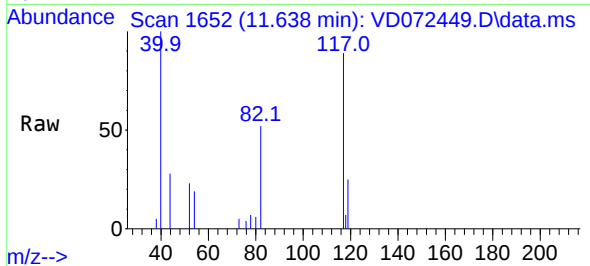




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072449.D
Acq: 28 Mar 2022 17:26

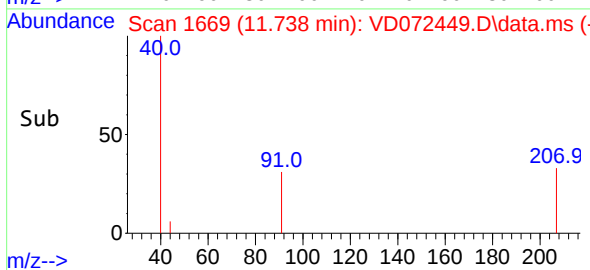
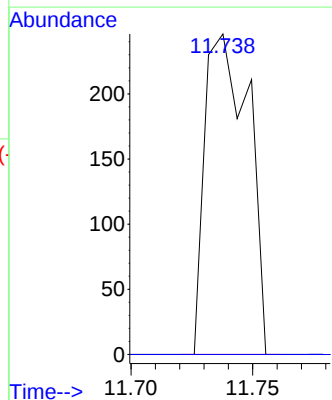
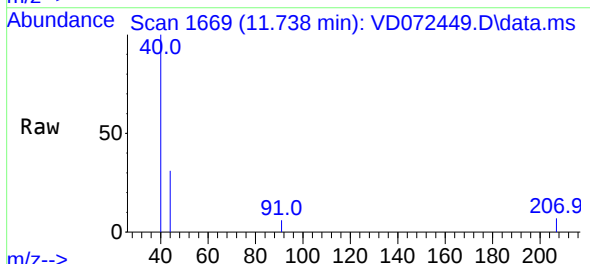
Instrument :
MSVOA_D
ClientSampleId :
SB-14-20220315-15.0-16.0

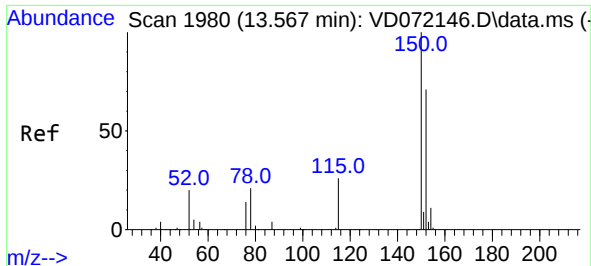
Tgt Ion:	117	Resp:	5592
Ion	Ratio	Lower	Upper
117	100		
82	59.3	45.3	67.9
119	27.9	26.6	40.0



#67
Ethyl Benzene
Concen: 1.382 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VD072449.D
Acq: 28 Mar 2022 17:26

Tgt Ion:	91	Resp:	306
Ion	Ratio	Lower	Upper
91	100		
106	0.0	24.2	36.4

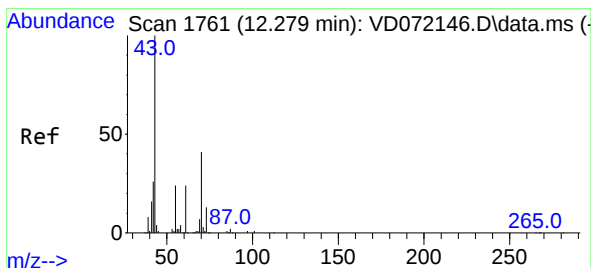
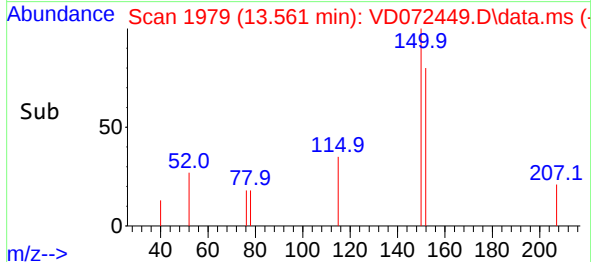
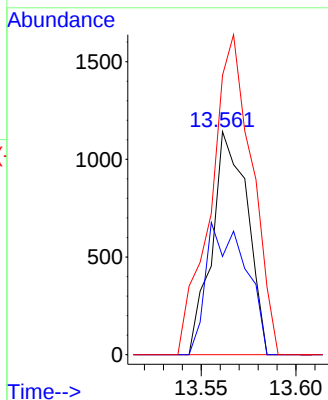
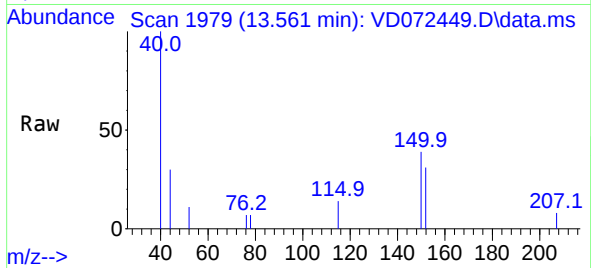




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1481
Delta R.T. -0.006 min
Lab File: VD072449.D
Acq: 28 Mar 2022 17:26

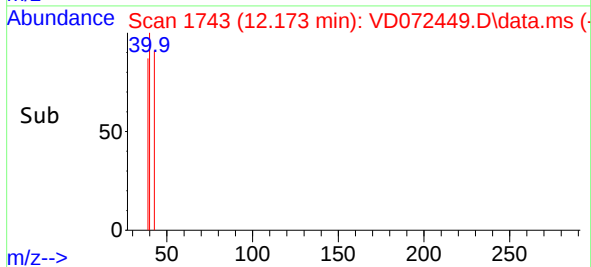
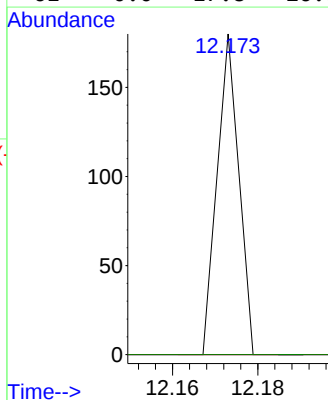
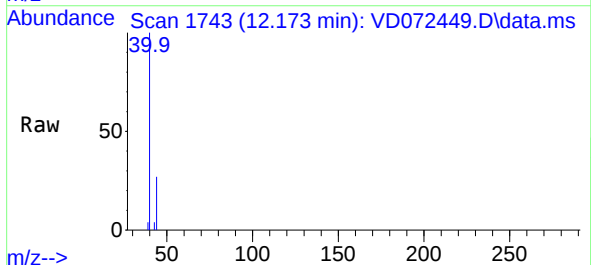
Instrument :
MSVOA_D
ClientSampleId :
SB-14-20220315-15.0-16.0

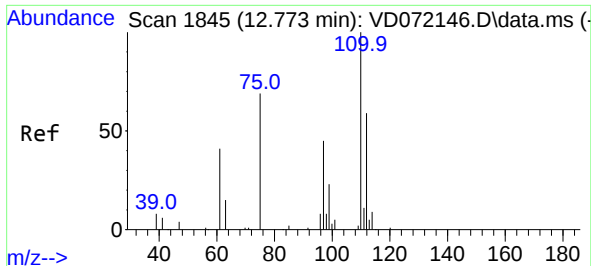
Tgt Ion:	152	Resp:	1481
Ion	Ratio	Lower	Upper
152	100		
115	66.2	31.3	93.8
150	166.9	0.0	348.6



#74
N-ethyl acetate
Concen: 2.498 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. -0.106 min
Lab File: VD072449.D
Acq: 28 Mar 2022 17:26

Tgt Ion:	43	Resp:	63
Ion	Ratio	Lower	Upper
43	100		
70	0.0	31.3	46.9#
55	0.0	20.0	30.0#
61	0.0	17.8	26.8#

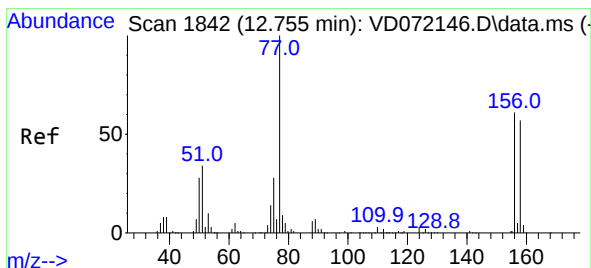
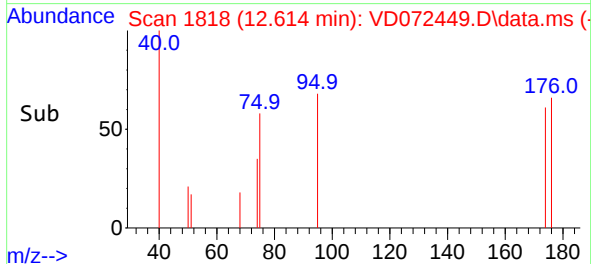
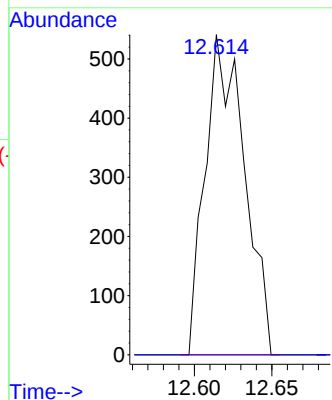
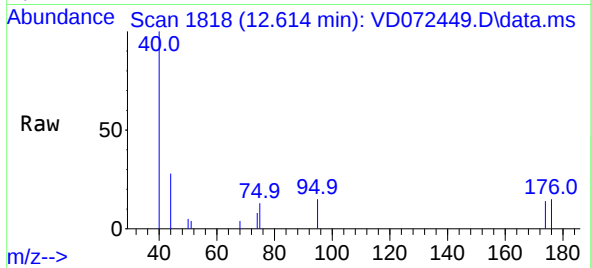




#76
1,2,3-Trichloropropane
Concen: 58.151 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.159 min
Lab File: VD072449.D
Acq: 28 Mar 2022 17:26

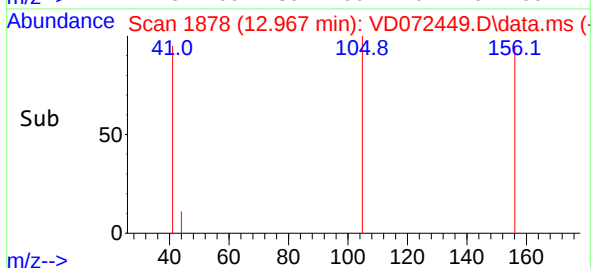
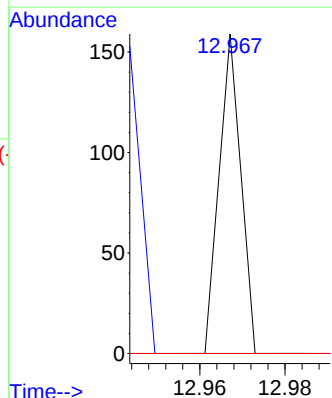
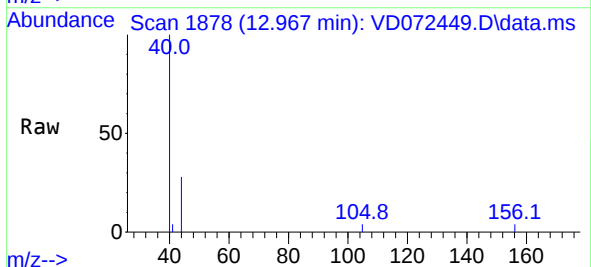
Instrument :
MSVOA_D
ClientSampleId :
SB-14-20220315-15.0-16.0

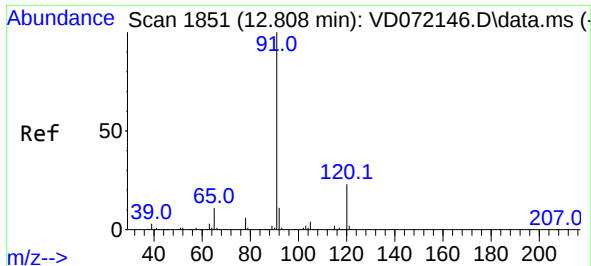
Tgt Ion: 75 Resp: 950
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#77
Bromobenzene
Concen: 2.120 ug/l
RT: 12.967 min Scan# 1878
Delta R.T. 0.212 min
Lab File: VD072449.D
Acq: 28 Mar 2022 17:26

Tgt Ion: 156 Resp: 56
Ion Ratio Lower Upper
156 100
77 0.0 102.8 308.3#
158 0.0 48.7 146.1#

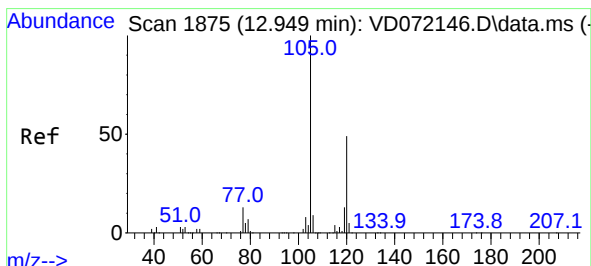
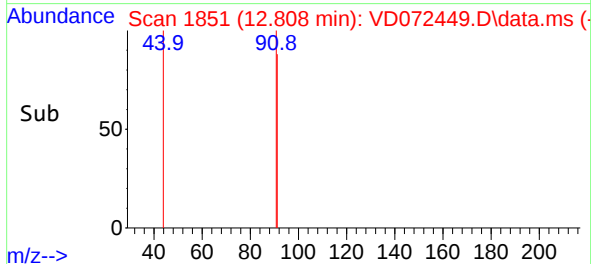
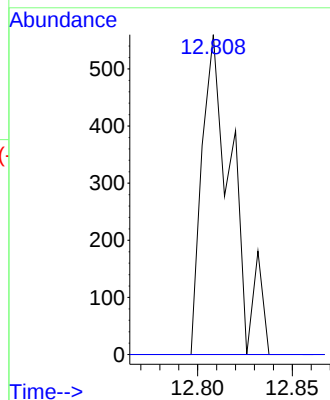
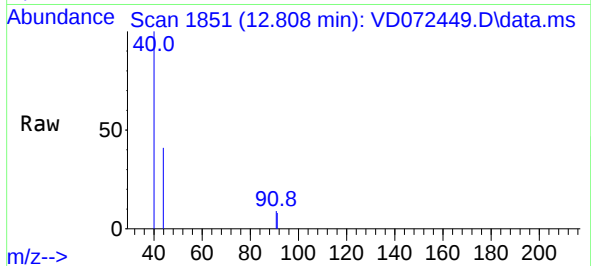




#78
n-propylbenzene
Concen: 4.398 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VD072449.D
Acq: 28 Mar 2022 17:26

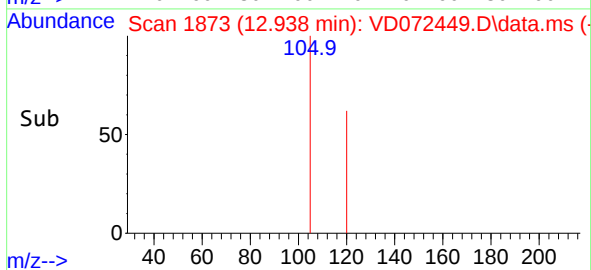
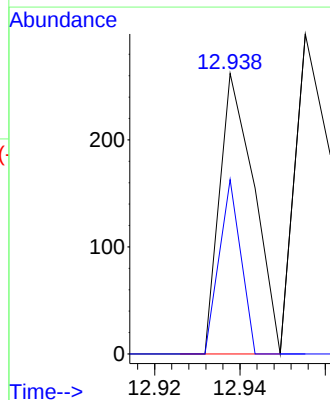
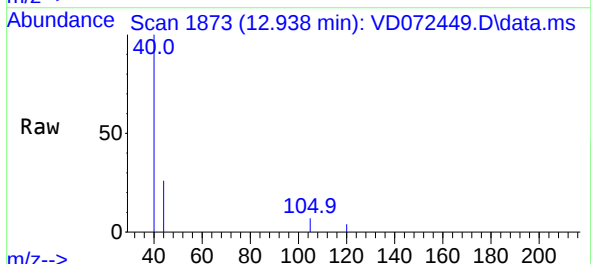
Instrument :
MSVOA_D
ClientSampleId :
SB-14-20220315-15.0-16.0

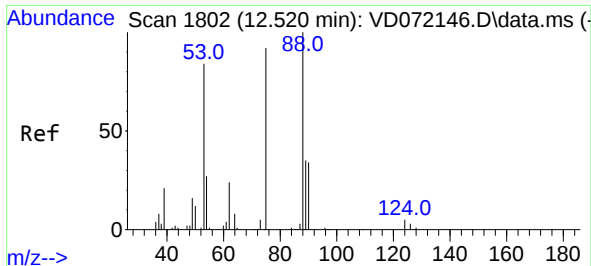
Tgt Ion: 91 Resp: 627
Ion Ratio Lower Upper
91 100
120 0.0 10.9 32.9#



#80
1,3,5-Trimethylbenzene
Concen: 1.458 ug/l
RT: 12.938 min Scan# 1873
Delta R.T. -0.012 min
Lab File: VD072449.D
Acq: 28 Mar 2022 17:26

Tgt Ion: 105 Resp: 147
Ion Ratio Lower Upper
105 100
120 38.8 24.3 72.8

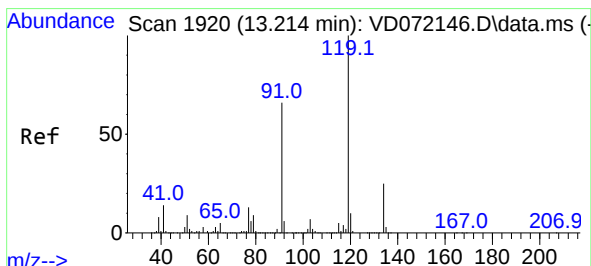
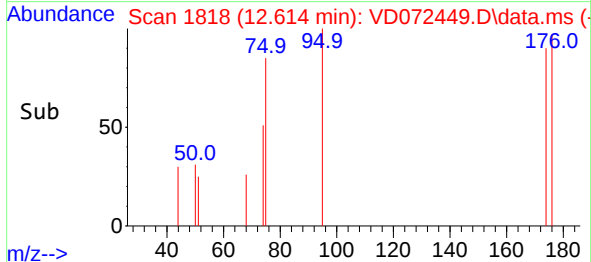
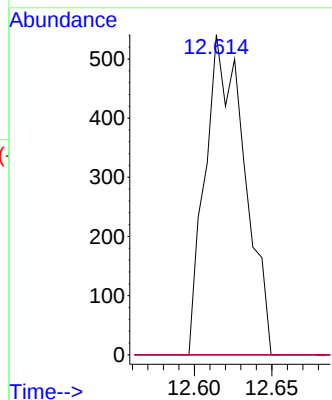
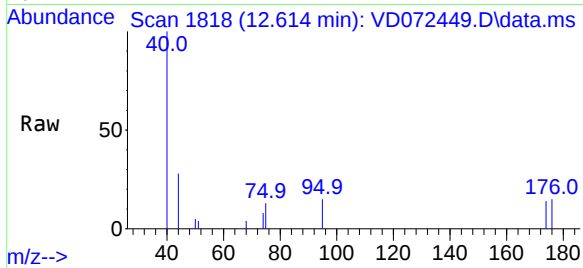




#81
trans-1,4-Dichloro-2-butene
Concen: 144.279 ug/l
RT: 12.614 min Scan# 11
Delta R.T. 0.094 min
Lab File: VD072449.D
Acq: 28 Mar 2022 17:26

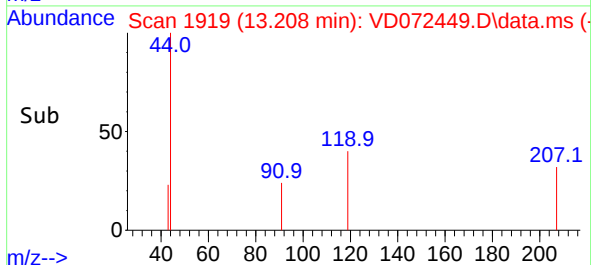
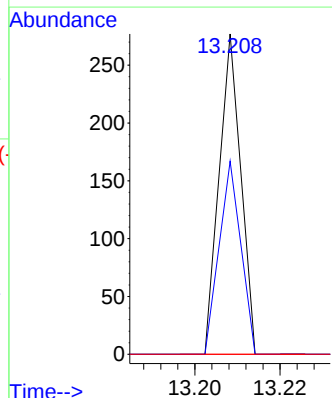
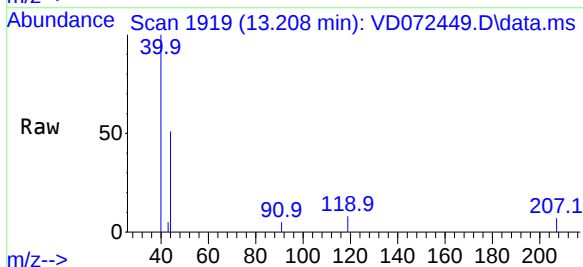
Instrument :
MSVOA_D
ClientSampleId :
SB-14-20220315-15.0-16.0

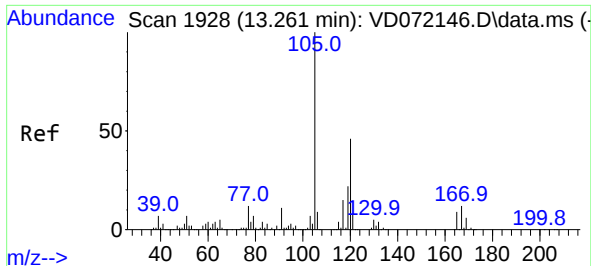
Tgt Ion: 75 Resp: 950
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#83
tert-Butylbenzene
Concen: 1.109 ug/l
RT: 13.208 min Scan# 1919
Delta R.T. -0.006 min
Lab File: VD072449.D
Acq: 28 Mar 2022 17:26

Tgt Ion: 119 Resp: 98
Ion Ratio Lower Upper
119 100
91 60.2 34.8 104.5
134 0.0 13.3 39.9#

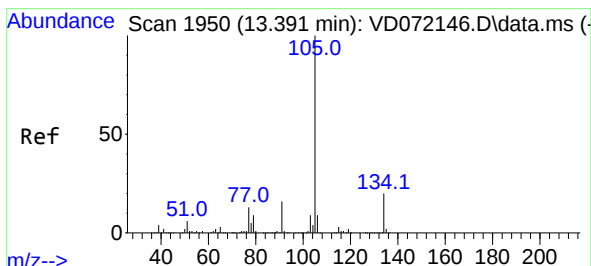
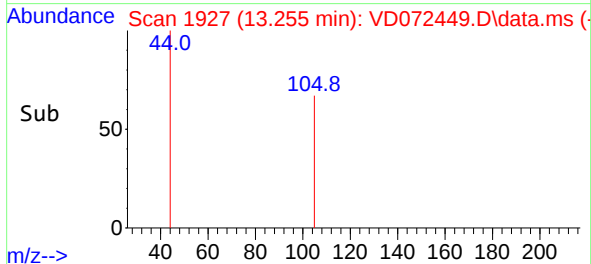
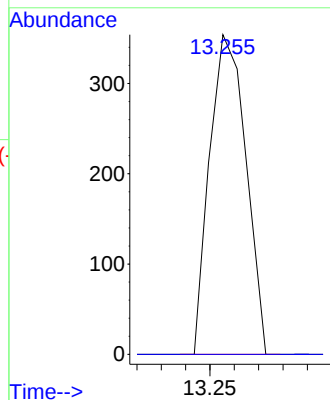
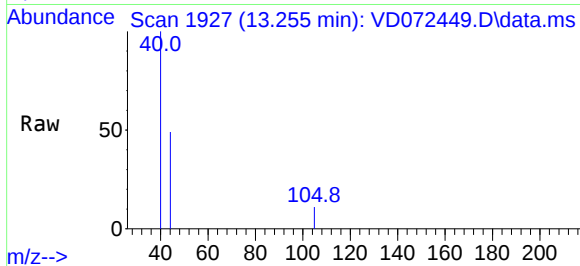




#84
1,2,4-Trimethylbenzene
Concen: 3.684 ug/l
RT: 13.255 min Scan# 1928
Delta R.T. -0.006 min
Lab File: VD072449.D
Acq: 28 Mar 2022 17:26

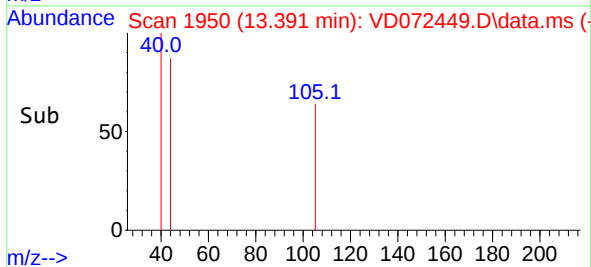
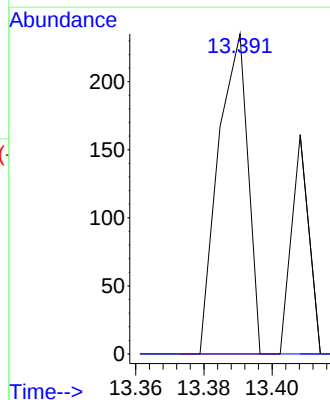
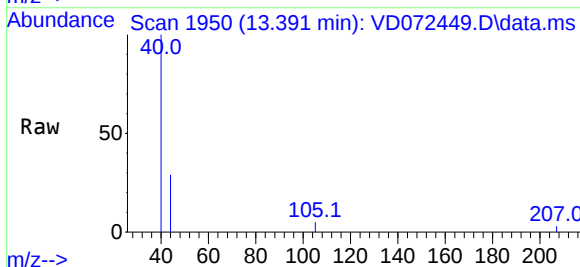
Instrument :
MSVOA_D
ClientSampleId :
SB-14-20220315-15.0-16.0

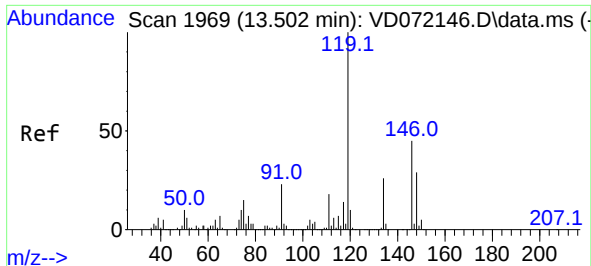
Tgt Ion:105 Resp: 366
Ion Ratio Lower Upper
105 100
120 0.0 22.3 66.8#



#85
sec-Butylbenzene
Concen: 1.070 ug/l
RT: 13.391 min Scan# 1950
Delta R.T. 0.000 min
Lab File: VD072449.D
Acq: 28 Mar 2022 17:26

Tgt Ion:105 Resp: 142
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.3#





#87

1,3-Dichlorobenzene

Concen: 4.100 ug/l

RT: 13.573 min Scan# 1981

Delta R.T. 0.071 min

Lab File: VD072449.D

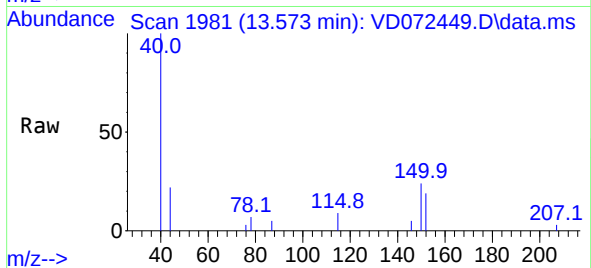
Acq: 28 Mar 2022 17:26

Instrument :

MSVOA_D

ClientSampleId :

SB-14-20220315-15.0-16.0



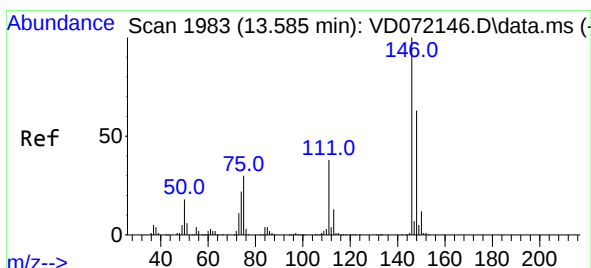
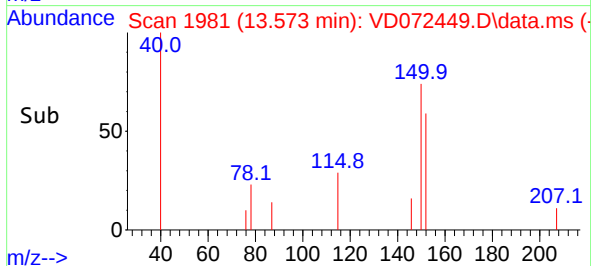
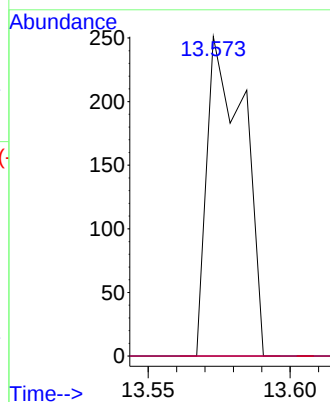
Tgt Ion:146 Resp: 227

Ion Ratio Lower Upper

146 100

111 0.0 20.4 61.3#

148 0.0 31.9 95.7#



#88

1,4-Dichlorobenzene

Concen: 4.135 ug/l

RT: 13.573 min Scan# 1981

Delta R.T. -0.012 min

Lab File: VD072449.D

Acq: 28 Mar 2022 17:26

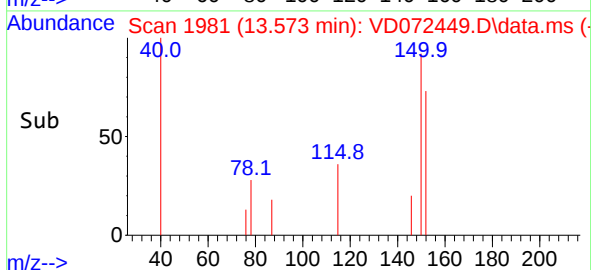
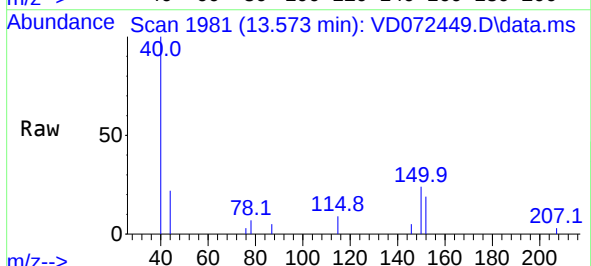
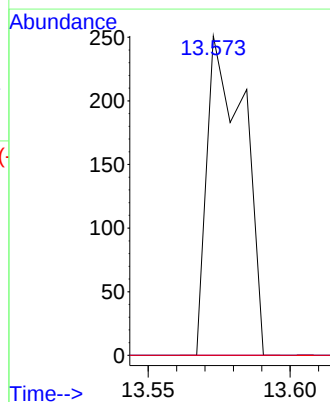
Tgt Ion:146 Resp: 227

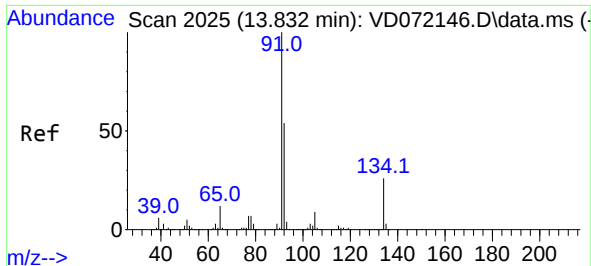
Ion Ratio Lower Upper

146 100

111 0.0 20.3 60.9#

148 0.0 31.7 95.1#

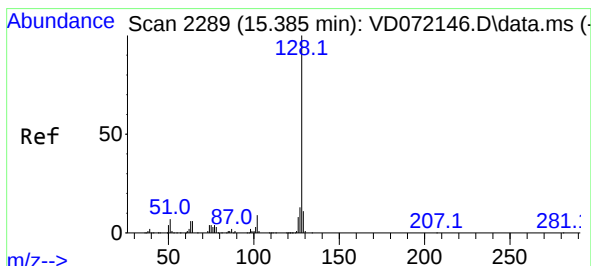
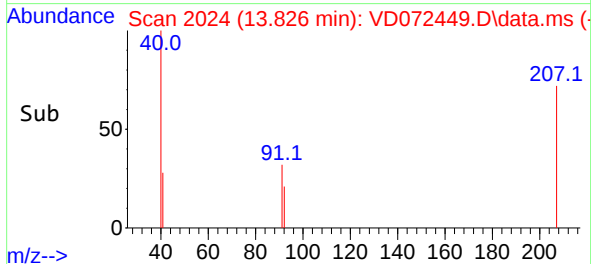
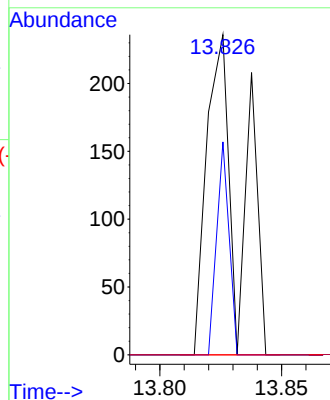
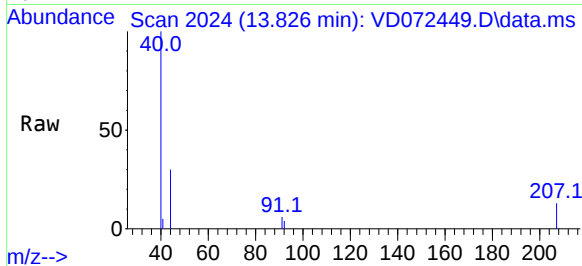




#89
n-Butylbenzene
Concen: 2.113 ug/l
RT: 13.826 min Scan# 2024
Delta R.T. -0.006 min
Lab File: VD072449.D
Acq: 28 Mar 2022 17:26

Instrument :
MSVOA_D
ClientSampleId :
SB-14-20220315-15.0-16.0

Tgt Ion:	91	Resp:	220
Ion	Ratio	Lower	Upper
91	100		
92	25.0	26.6	79.8#
134	0.0	12.3	36.9#



#95
Naphthalene
Concen: 5.083 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.000 min
Lab File: VD072449.D
Acq: 28 Mar 2022 17:26

Tgt Ion:	128	Resp:	280
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

