

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031822\
 Data File : VD072321.D
 Acq On : 19 Mar 2022 06:58
 Operator : VA/SY
 Sample : N1968-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 G-2-2-3-4

Quant Time: Mar 19 08:10:46 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	429031	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	709173	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	733493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	358346	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	187242	39.161	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	78.320%
35) Dibromofluoromethane	7.909	113	206620	41.403	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	82.800%
50) Toluene-d8	10.332	98	877952	48.113	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.220%
62) 4-Bromofluorobenzene	12.626	95	357148	50.371	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.740%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	111	2.251	ug/l #	38
16) Acetone	4.156	43	4772	4.597	ug/l #	87
17) Carbon Disulfide	4.403	76	7381	2.279	ug/l #	74
20) Methylene Chloride	4.962	84	28554	Below Cal		85
25) 2-Butanone	7.226	43	1500	1.084	ug/l	91
31) Cyclohexane	7.979	56	9996	1.338	ug/l #	35
36) 1,1-Dichloropropene	7.973	75	35445	5.063	ug/l #	48
38) Carbon Tetrachloride	7.973	117	43949	5.523	ug/l #	16
40) Benzene	8.344	78	192722	9.649	ug/l	100
67) Ethyl Benzene	11.738	91	286445	9.863	ug/l	98
68) m/p-Xylenes	11.844	106	130197	11.806	ug/l	99
69) o-Xylene	12.173	106	38701	3.669	ug/l	94
73) Isopropylbenzene	12.467	105	30732	1.082	ug/l	99
76) 1,2,3-Trichloropropane	12.626	75	187408	47.411	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.949	105	46758	1.917	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.626	75	187408	117.630	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.255	105	88238	3.671	ug/l	99
85) sec-Butylbenzene	13.255	105	88238	2.747	ug/l #	57
95) Naphthalene	15.379	128	130778	9.812	ug/l	99

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

Quant Time: Mar 19 08:10:46 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

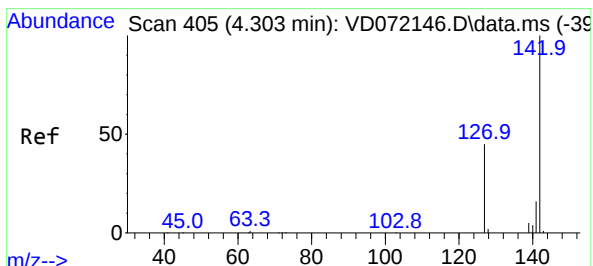
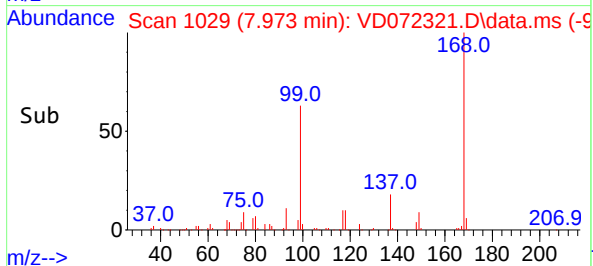
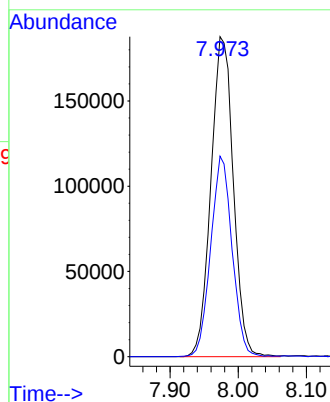
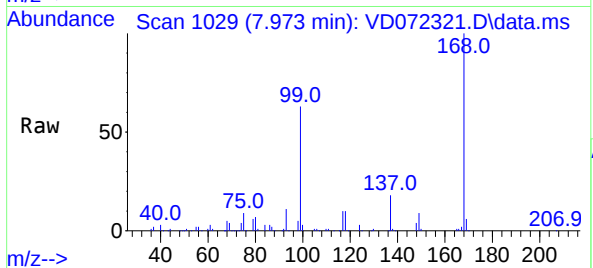




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072321.D
Acq: 19 Mar 2022 06:58

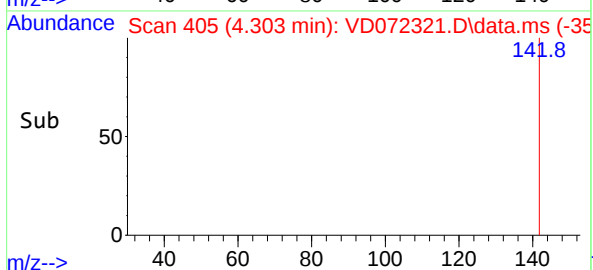
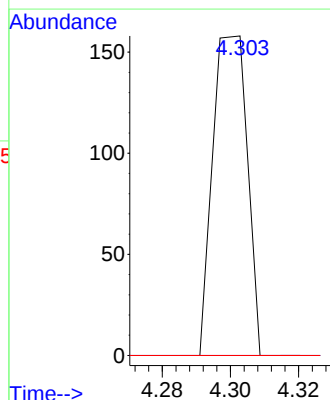
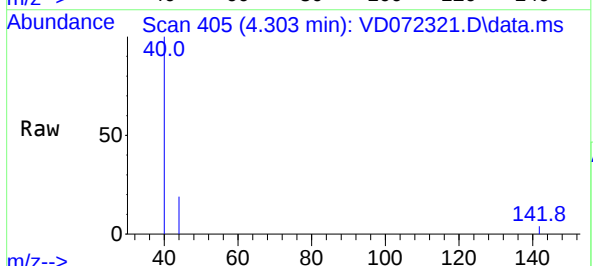
Instrument :
MSVOA_D
ClientSampleId :
G-2-2-3-4

Tgt Ion:168 Resp: 429031
Ion Ratio Lower Upper
168 100
99 62.6 49.8 74.6



#10
Methyl Iodide
Concen: 2.251 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072321.D
Acq: 19 Mar 2022 06:58

Tgt Ion:142 Resp: 111
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#

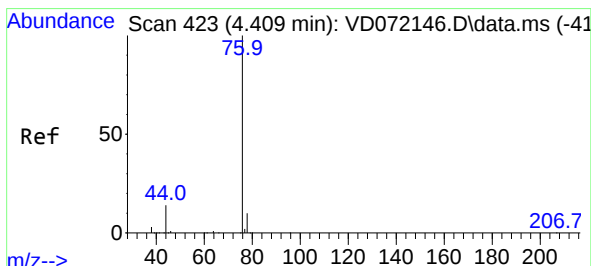
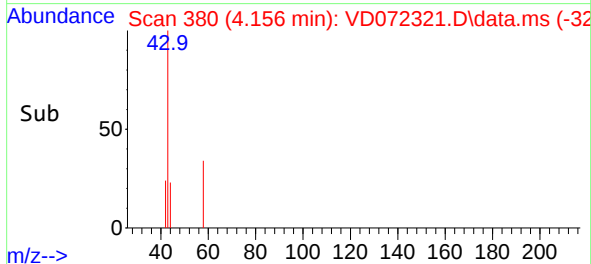
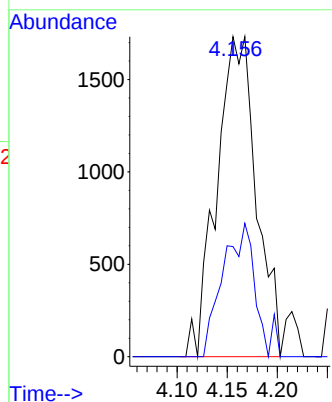
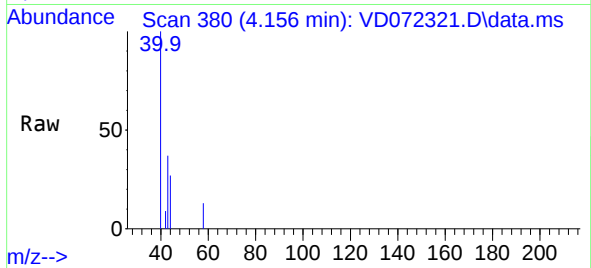




#16
Acetone
Concen: 4.597 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD072321.D
Acq: 19 Mar 2022 06:58

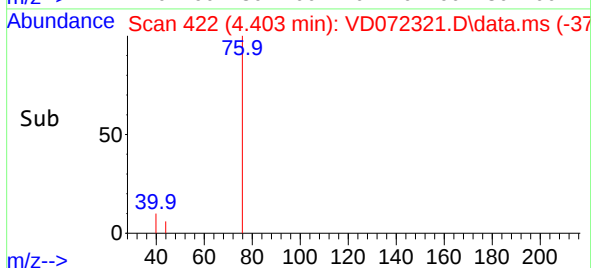
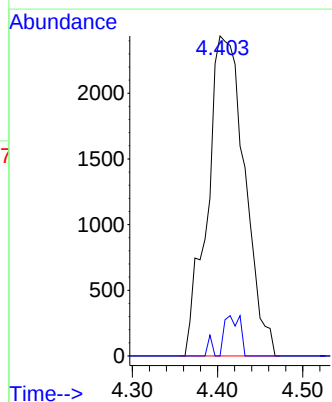
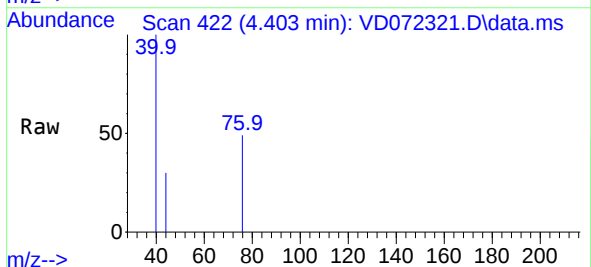
Instrument :
MSVOA_D
ClientSampleId :
G-2-2-3-4

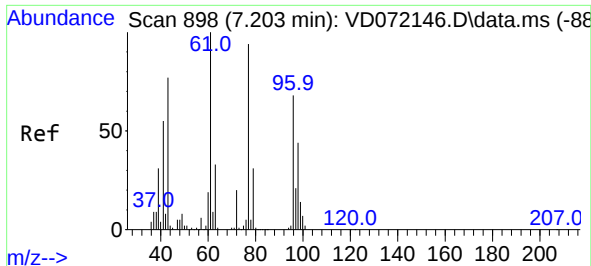
Tgt Ion: 43 Resp: 4772
Ion Ratio Lower Upper
43 100
58 34.4 22.1 33.1#



#17
Carbon Disulfide
Concen: 2.279 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD072321.D
Acq: 19 Mar 2022 06:58

Tgt Ion: 76 Resp: 7381
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#





#25

2-Butanone

Concen: 1.084 ug/l

RT: 7.226 min Scan# 90

Delta R.T. 0.024 min

Lab File: VD072321.D

Acq: 19 Mar 2022 06:58

Instrument :

MSVOA_D

ClientSampleId :

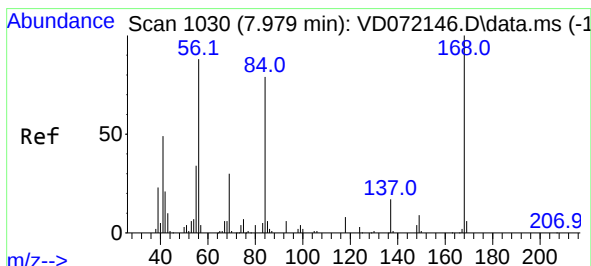
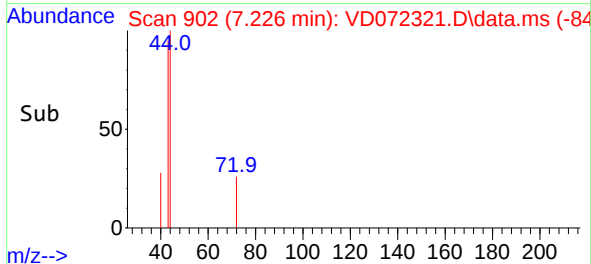
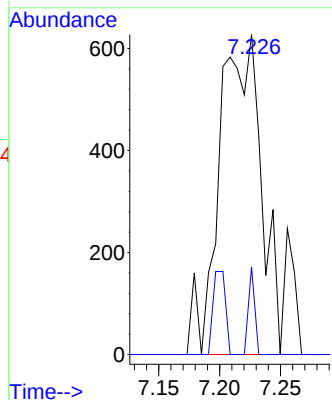
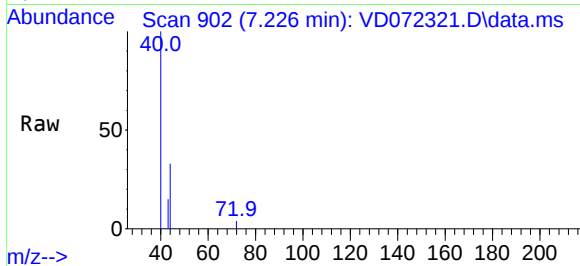
G-2-2-3-4

Tgt Ion: 43 Resp: 1500

Ion Ratio Lower Upper

43 100

72 27.4 18.6 27.8



#31

Cyclohexane

Concen: 1.338 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD072321.D

Acq: 19 Mar 2022 06:58

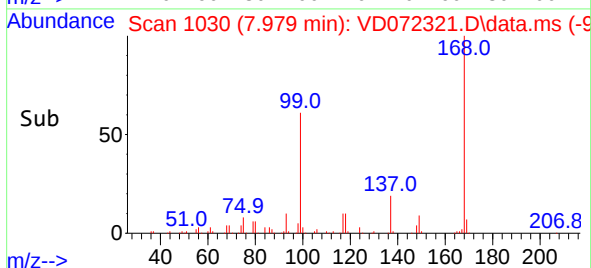
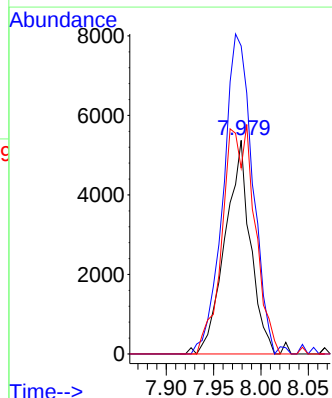
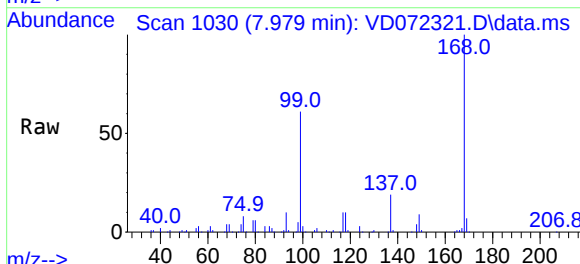
Tgt Ion: 56 Resp: 9996

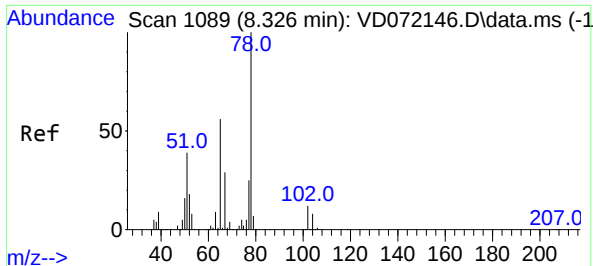
Ion Ratio Lower Upper

56 100

69 144.2 25.4 38.2#

84 87.0 63.0 94.4





#33

1,2-Dichloroethane-d4

Concen: 39.161 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072321.D

Acq: 19 Mar 2022 06:58

Instrument :

MSVOA_D

ClientSampleId :

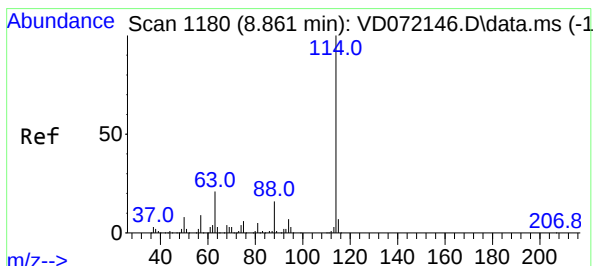
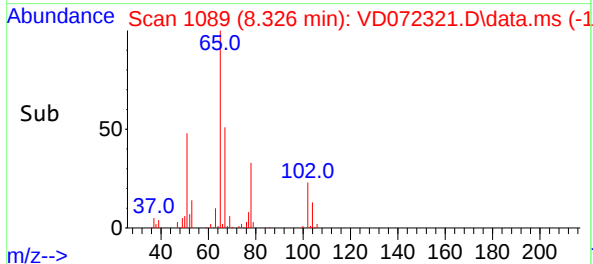
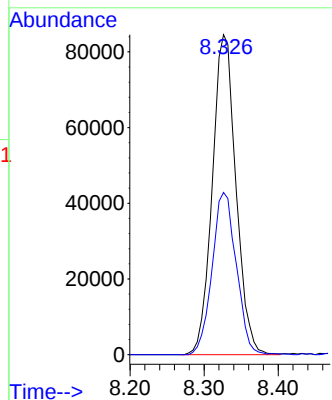
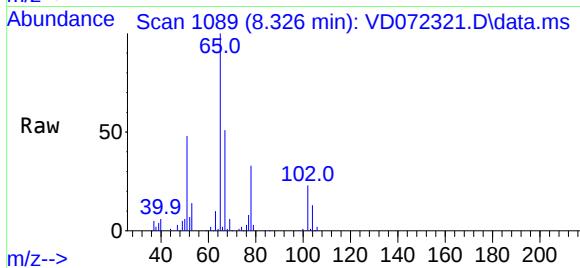
G-2-2-3-4

Tgt Ion: 65 Resp: 187242

Ion Ratio Lower Upper

65 100

67 51.9 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072321.D

Acq: 19 Mar 2022 06:58

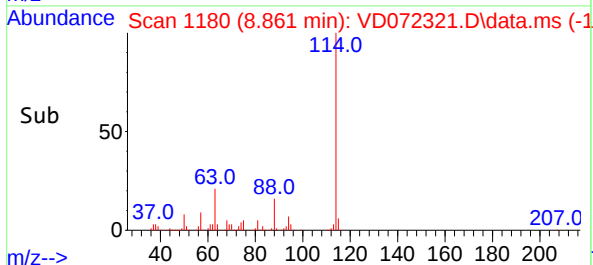
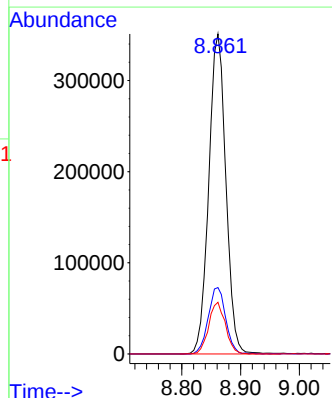
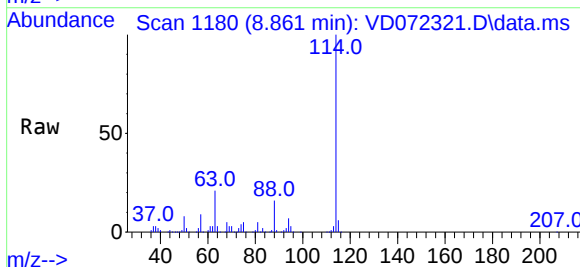
Tgt Ion: 114 Resp: 709173

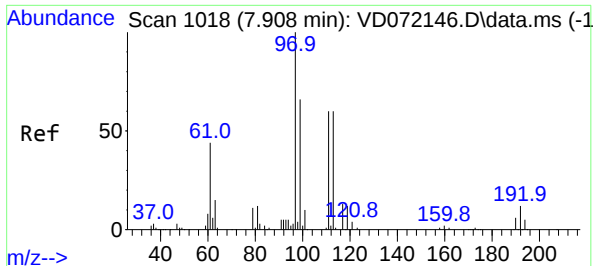
Ion Ratio Lower Upper

114 100

63 20.8 0.0 46.6

88 16.1 0.0 33.2

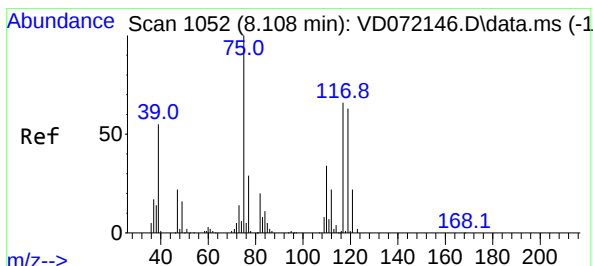
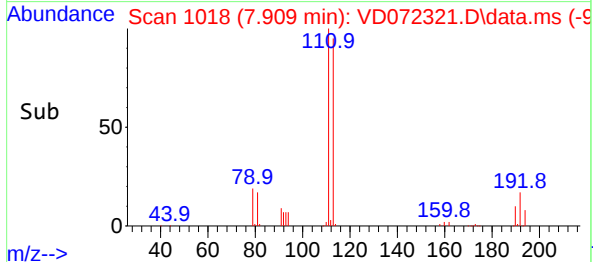
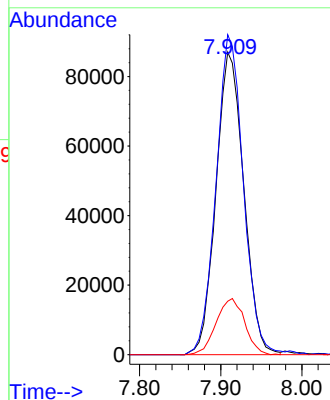
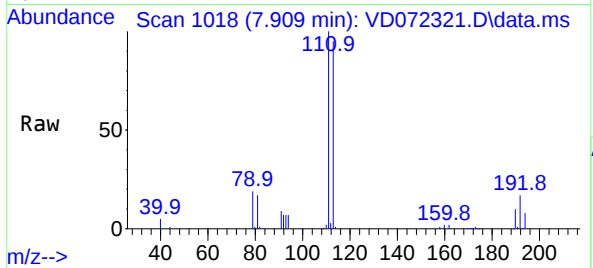




#35
Dibromofluoromethane
Concen: 41.403 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD072321.D
Acq: 19 Mar 2022 06:58

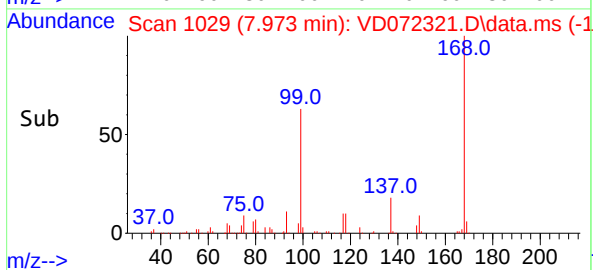
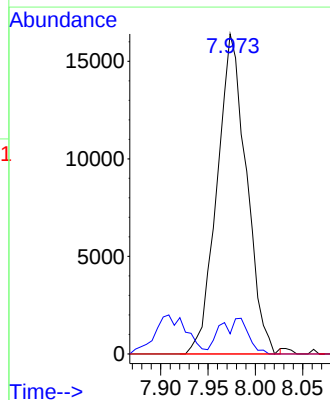
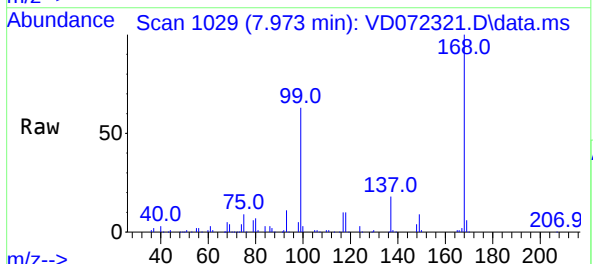
Instrument :
MSVOA_D
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G-2-2-3-4

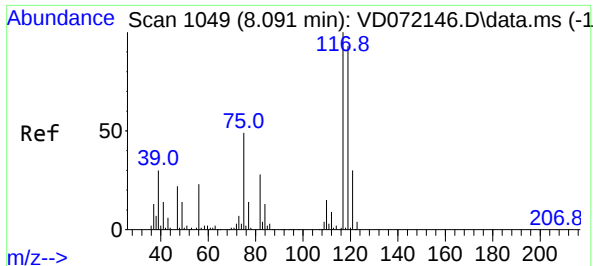
Tgt Ion:113 Resp: 206620
Ion Ratio Lower Upper
113 100
111 104.6 83.8 125.6
192 19.1 14.6 21.8



#36
1,1-Dichloropropene
Concen: 5.063 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD072321.D
Acq: 19 Mar 2022 06:58

Tgt Ion: 75 Resp: 35445
Ion Ratio Lower Upper
75 100
110 4.8 16.4 49.1#
77 0.0 24.2 36.2#

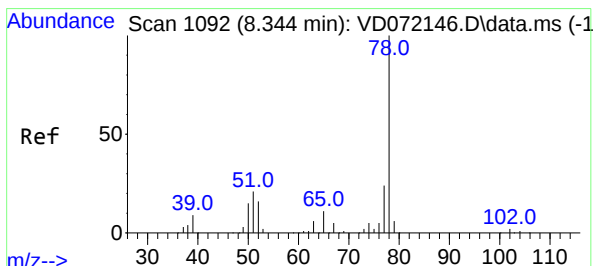
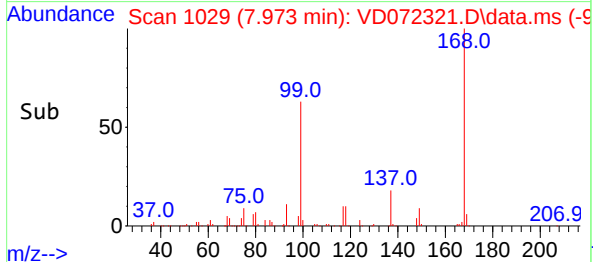
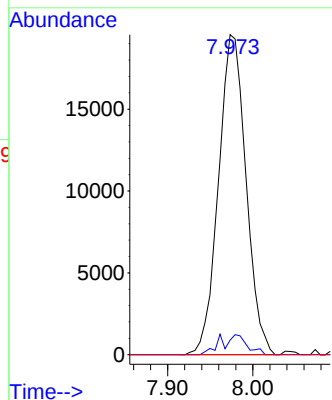
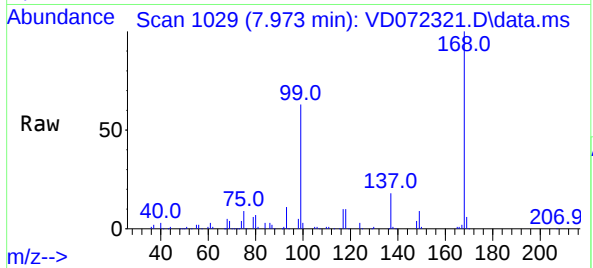




#38
Carbon Tetrachloride
Concen: 5.523 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD072321.D
Acq: 19 Mar 2022 06:58

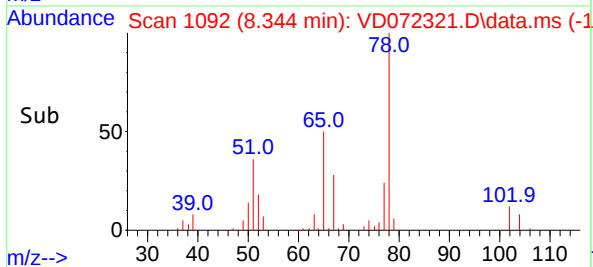
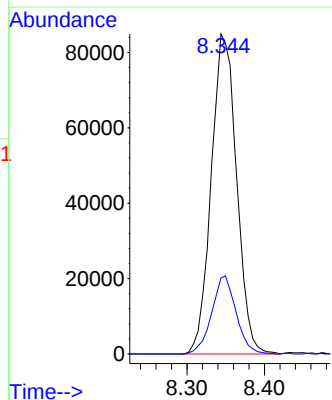
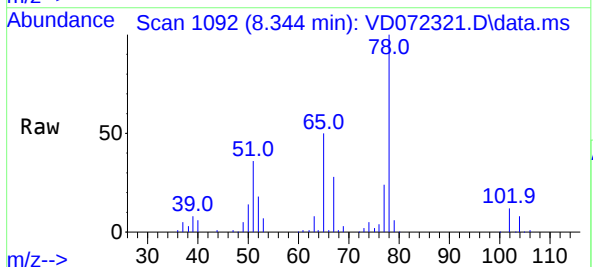
Instrument :
MSVOA_D
ClientSampleId :
G-2-2-3-4

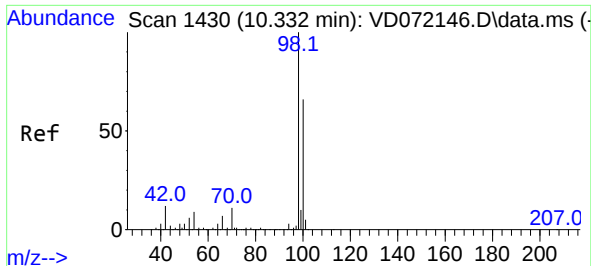
Tgt Ion:117 Resp: 43949
Ion Ratio Lower Upper
117 100
119 4.5 75.8 113.6#
121 0.0 24.5 36.7#



#40
Benzene
Concen: 9.649 ug/l
RT: 8.344 min Scan# 1092
Delta R.T. 0.000 min
Lab File: VD072321.D
Acq: 19 Mar 2022 06:58

Tgt Ion: 78 Resp: 192722
Ion Ratio Lower Upper
78 100
77 23.7 19.1 28.7

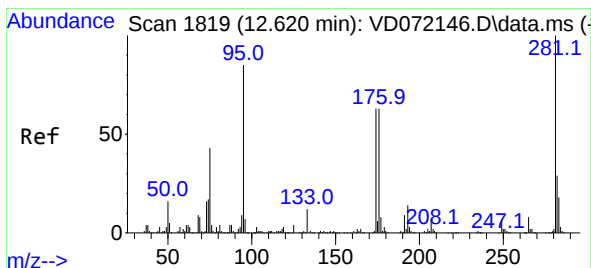
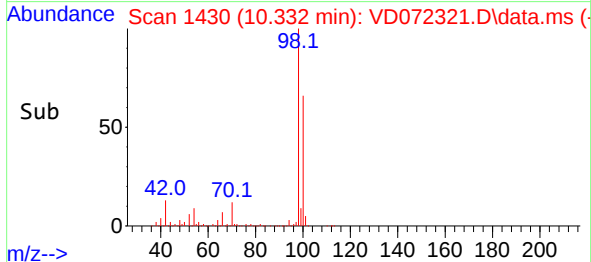
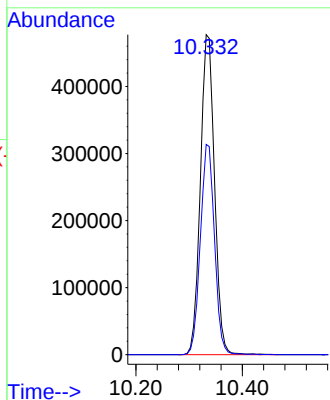
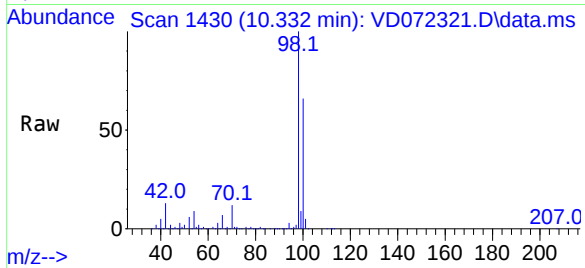




#50
Toluene-d8
Concen: 48.113 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD072321.D
Acq: 19 Mar 2022 06:58

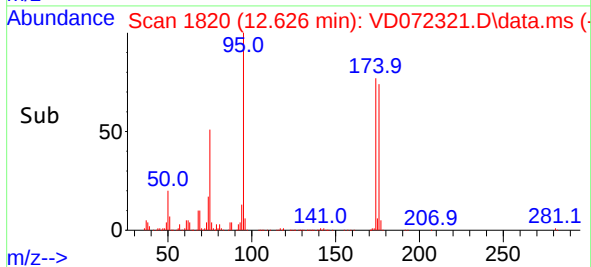
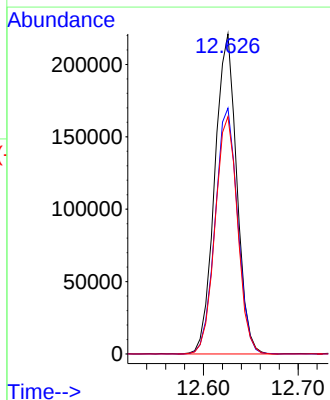
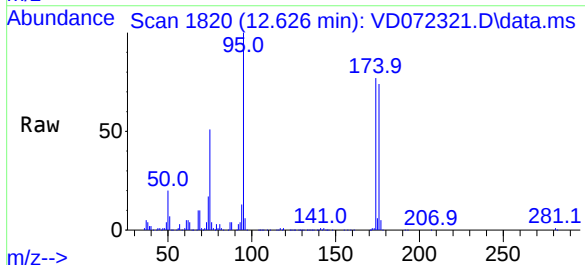
Instrument :
MSVOA_D
ClientSampleId :
G-2-2-3-4

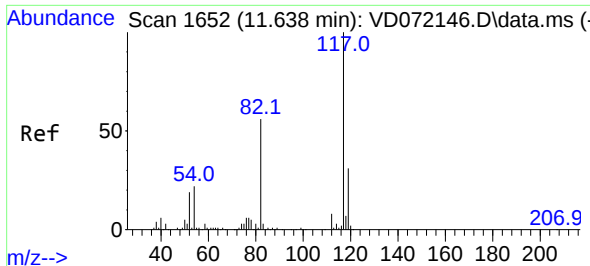
Tgt Ion: 98 Resp: 877952
Ion Ratio Lower Upper
98 100
100 65.8 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 50.371 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072321.D
Acq: 19 Mar 2022 06:58

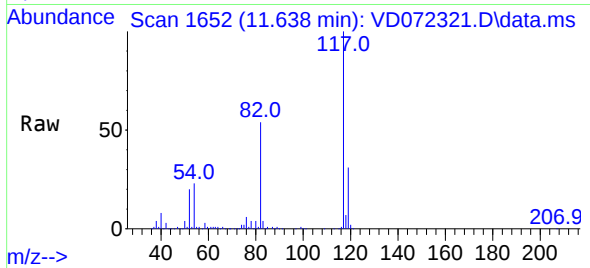
Tgt Ion: 95 Resp: 357148
Ion Ratio Lower Upper
95 100
174 78.2 0.0 152.8
176 75.4 0.0 145.4



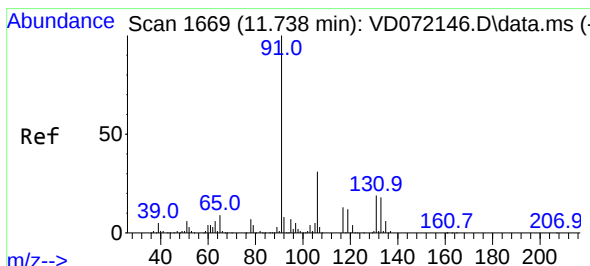
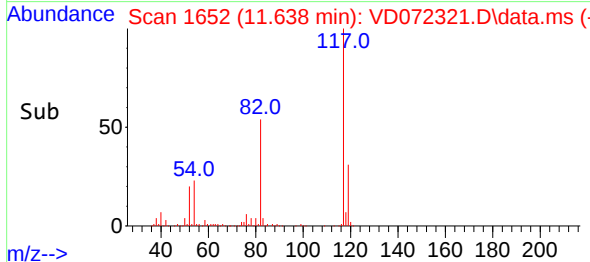
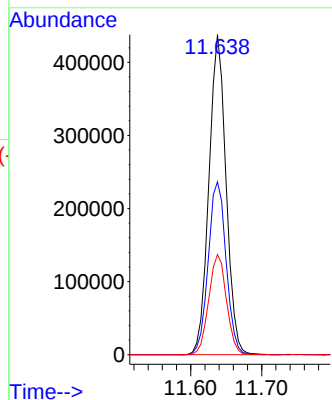


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VD072321.D
Acq: 19 Mar 2022 06:58

Instrument :
MSVOA_D
ClientSampleId :
G-2-2-3-4

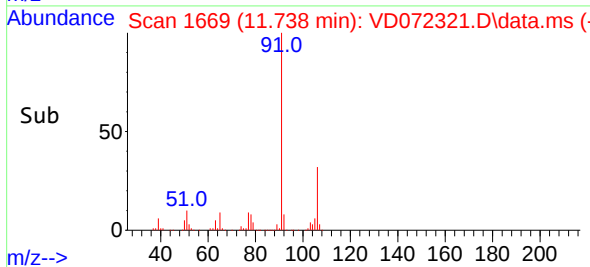
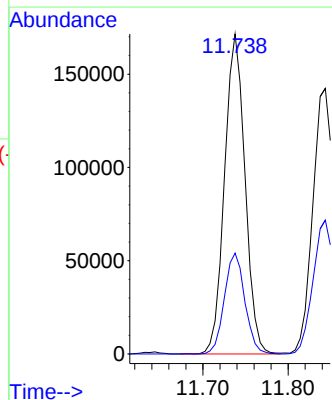
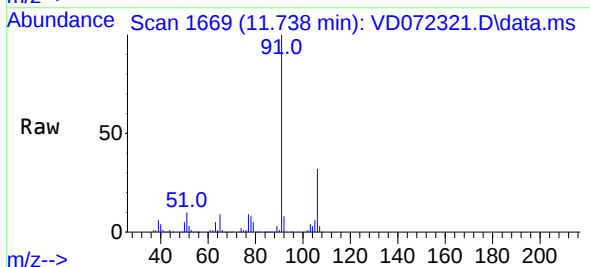


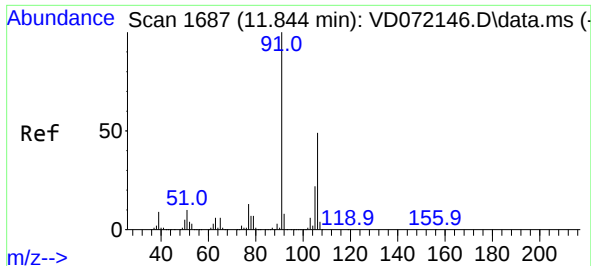
Tgt Ion:117 Resp: 733493
Ion Ratio Lower Upper
117 100
82 54.0 45.3 67.9
119 31.3 26.6 40.0



#67
Ethyl Benzene
Concen: 9.863 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VD072321.D
Acq: 19 Mar 2022 06:58

Tgt Ion: 91 Resp: 286445
Ion Ratio Lower Upper
91 100
106 31.5 24.2 36.4

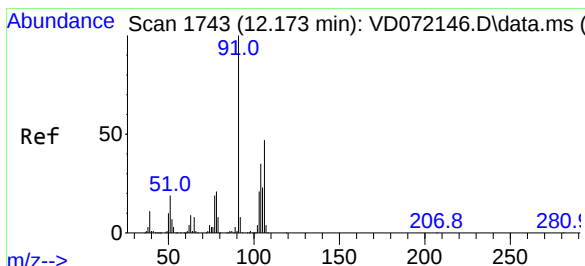
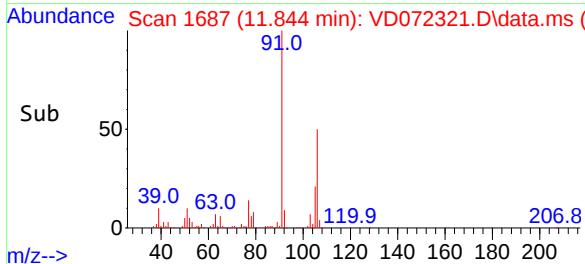
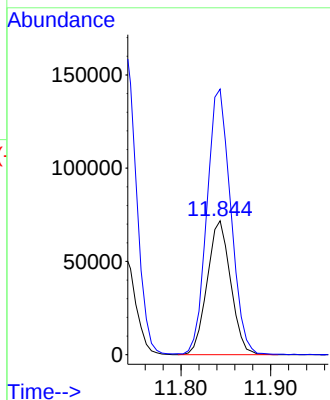
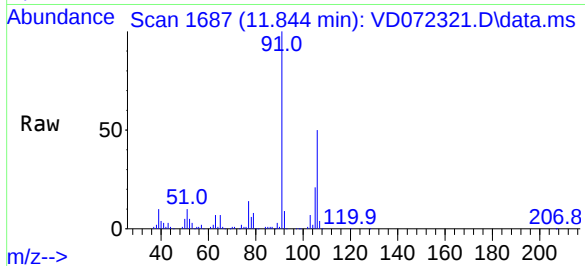




#68
m/p-Xylenes
Concen: 11.806 ug/l
RT: 11.844 min Scan# 1187
Delta R.T. 0.000 min
Lab File: VD072321.D
Acq: 19 Mar 2022 06:58

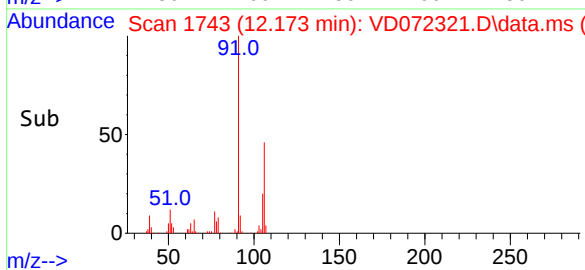
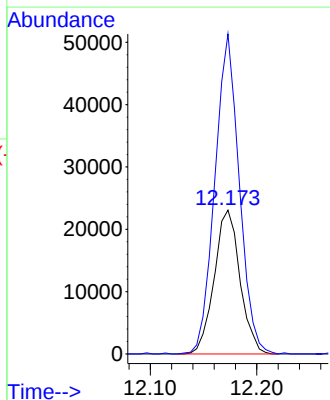
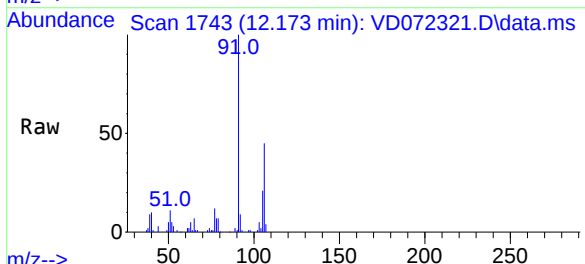
Instrument :
MSVOA_D
ClientSampleId :
G-2-2-3-4

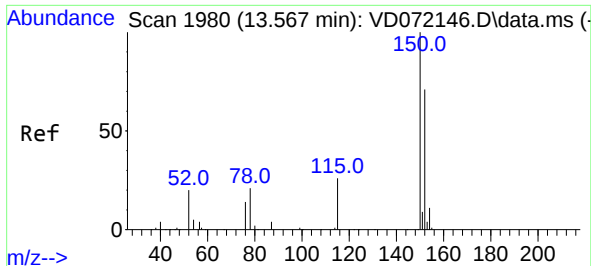
Tgt Ion:106 Resp: 130197
Ion Ratio Lower Upper
106 100
91 202.4 163.7 245.5



#69
o-Xylene
Concen: 3.669 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VD072321.D
Acq: 19 Mar 2022 06:58

Tgt Ion:106 Resp: 38701
Ion Ratio Lower Upper
106 100
91 211.3 110.4 331.2

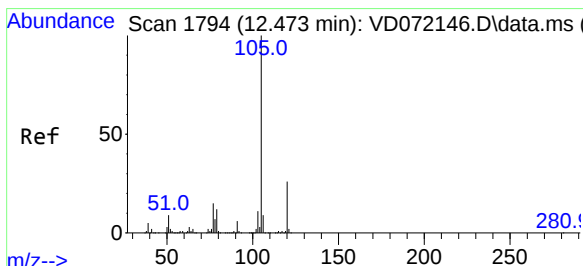
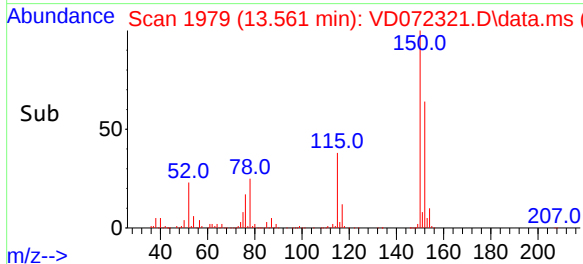
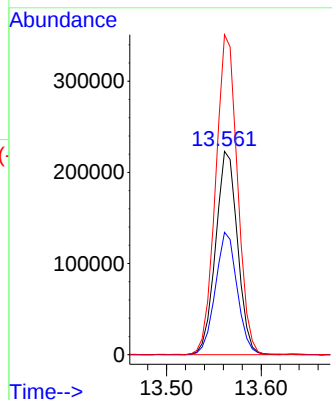
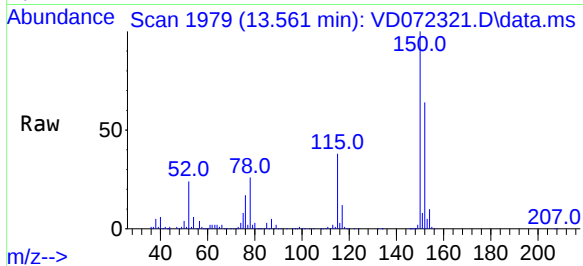




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD072321.D
Acq: 19 Mar 2022 06:58

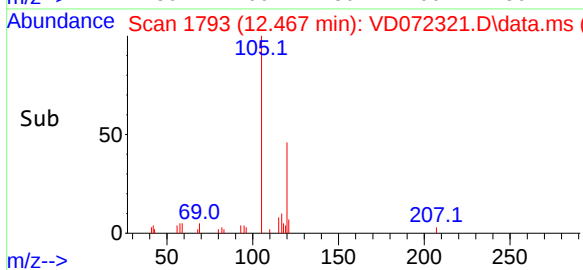
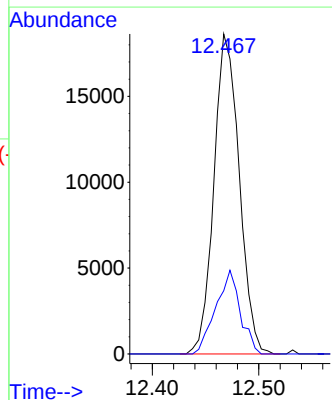
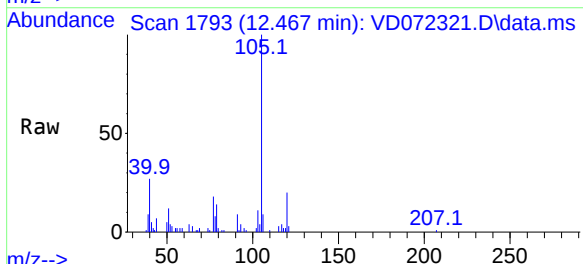
Instrument :
MSVOA_D
ClientSampleId :
G-2-2-3-4

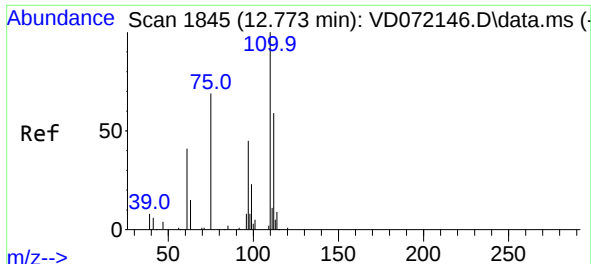
Tgt Ion:152 Resp: 358346
Ion Ratio Lower Upper
152 100
115 60.6 31.3 93.8
150 156.7 0.0 348.6



#73
Isopropylbenzene
Concen: 1.082 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VD072321.D
Acq: 19 Mar 2022 06:58

Tgt Ion:105 Resp: 30732
Ion Ratio Lower Upper
105 100
120 25.3 13.0 38.9

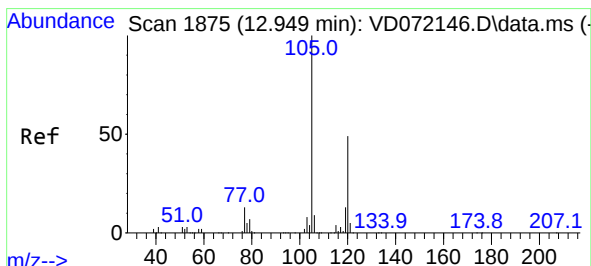
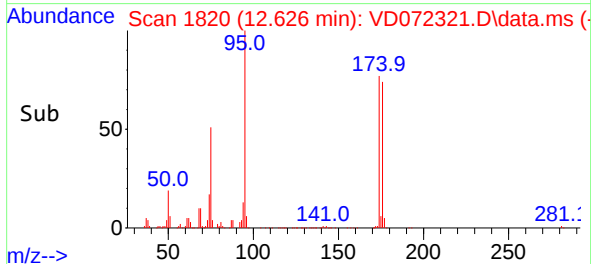
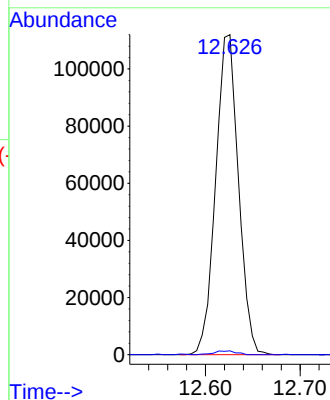
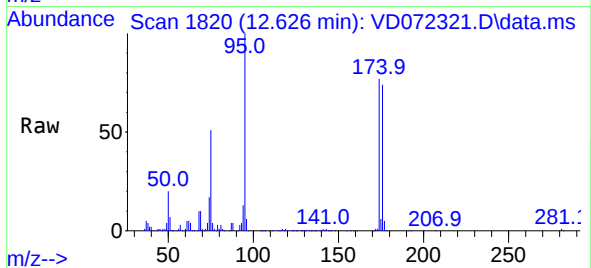




#76
1,2,3-Trichloropropane
Concen: 47.411 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072321.D
Acq: 19 Mar 2022 06:58

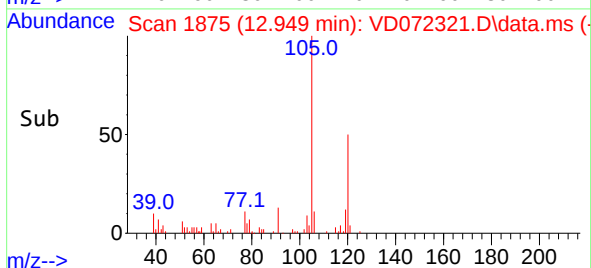
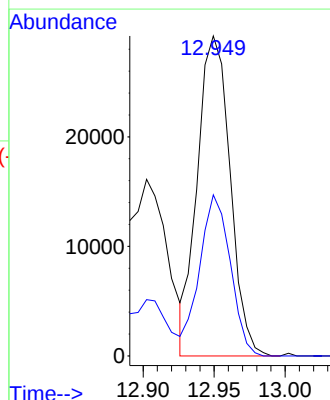
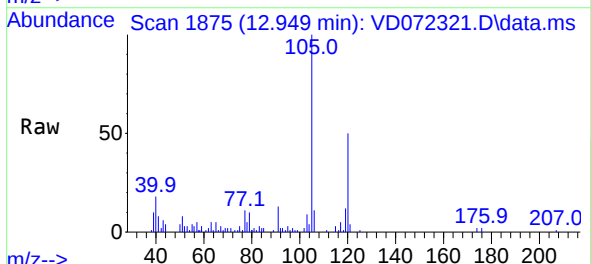
Instrument :
MSVOA_D
ClientSampleId :
G-2-2-3-4

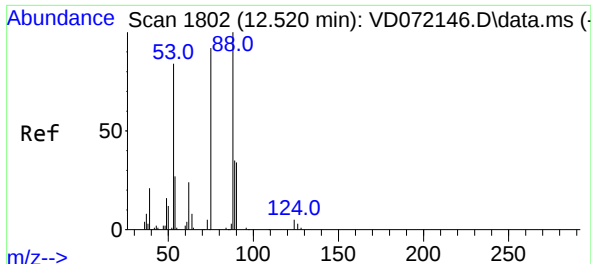
Tgt Ion: 75 Resp: 187408
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.917 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD072321.D
Acq: 19 Mar 2022 06:58

Tgt Ion: 105 Resp: 46758
Ion Ratio Lower Upper
105 100
120 47.3 24.3 72.8

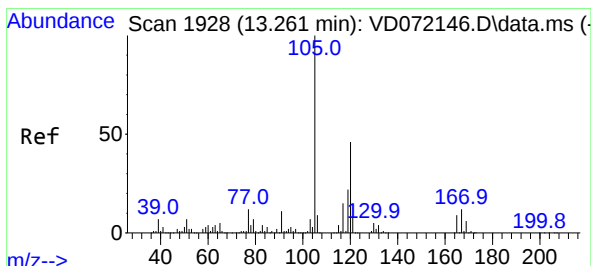
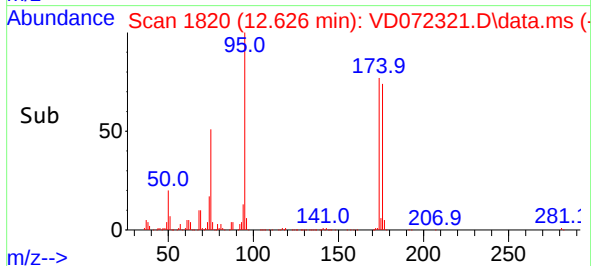
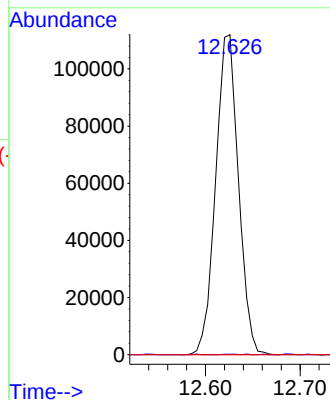
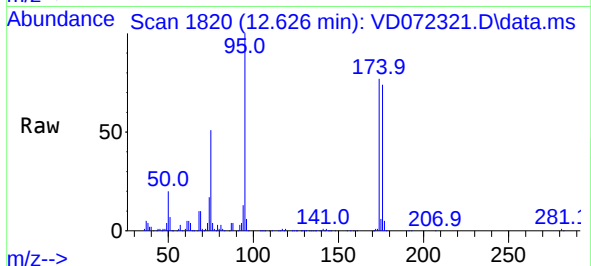




#81
trans-1,4-Dichloro-2-butene
Concen: 117.630 ug/l
RT: 12.626 min Scan# 1802
Delta R.T. 0.106 min
Lab File: VD072321.D
Acq: 19 Mar 2022 06:58

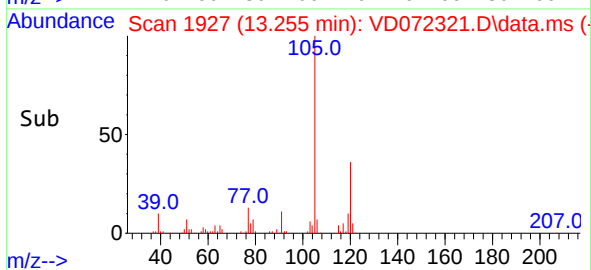
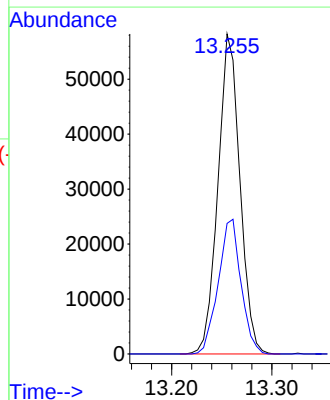
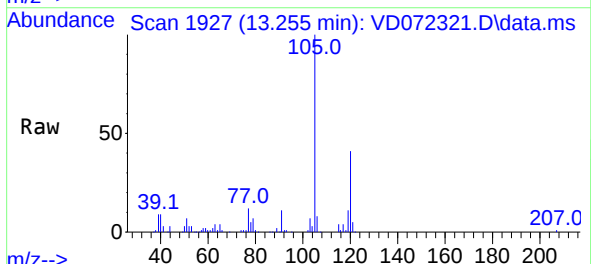
Instrument :
MSVOA_D
ClientSampleId :
G-2-2-3-4

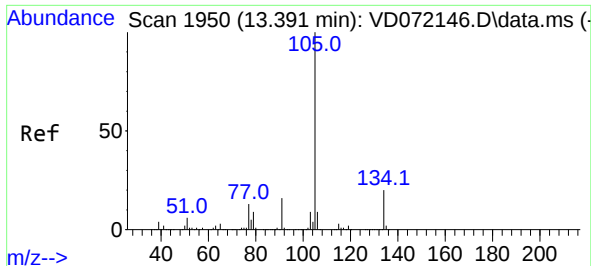
Tgt Ion: 75 Resp: 187408
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#



#84
1,2,4-Trimethylbenzene
Concen: 3.671 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD072321.D
Acq: 19 Mar 2022 06:58

Tgt Ion: 105 Resp: 88238
Ion Ratio Lower Upper
105 100
120 43.8 22.3 66.8

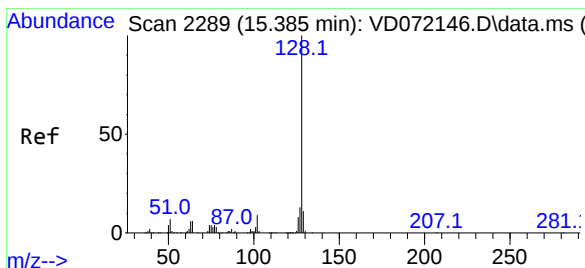
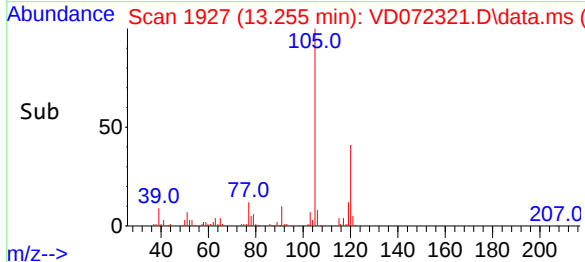
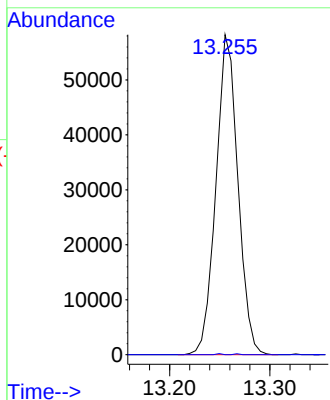
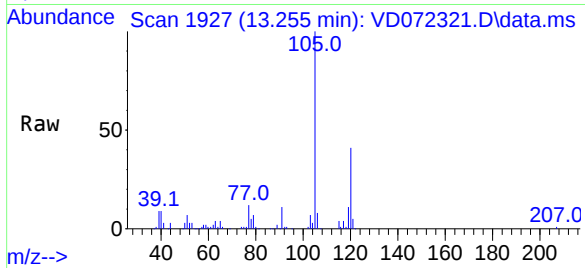




#85
 sec-Butylbenzene
 Concen: 2.747 ug/l
 RT: 13.255 min Scan# 1950
 Delta R.T. -0.135 min
 Lab File: VD072321.D
 Acq: 19 Mar 2022 06:58

Instrument :
 MSVOA_D
 ClientSampleId :
 G-2-2-3-4

Tgt Ion:105 Resp: 88238
 Ion Ratio Lower Upper
 105 100
 134 0.1 9.8 29.3#



#95
 Naphthalene
 Concen: 9.812 ug/l
 RT: 15.379 min Scan# 2288
 Delta R.T. -0.006 min
 Lab File: VD072321.D
 Acq: 19 Mar 2022 06:58

Tgt Ion:128 Resp: 130778
 Ion Ratio Lower Upper
 128 100
 127 13.5 10.3 15.5
 129 10.7 8.4 12.6

