

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031822\
 Data File : VD072322.D
 Acq On : 19 Mar 2022 07:26
 Operator : VA/SY
 Sample : N1968-03
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 G-2-4-5-6

Quant Time: Mar 19 08:11:00 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)

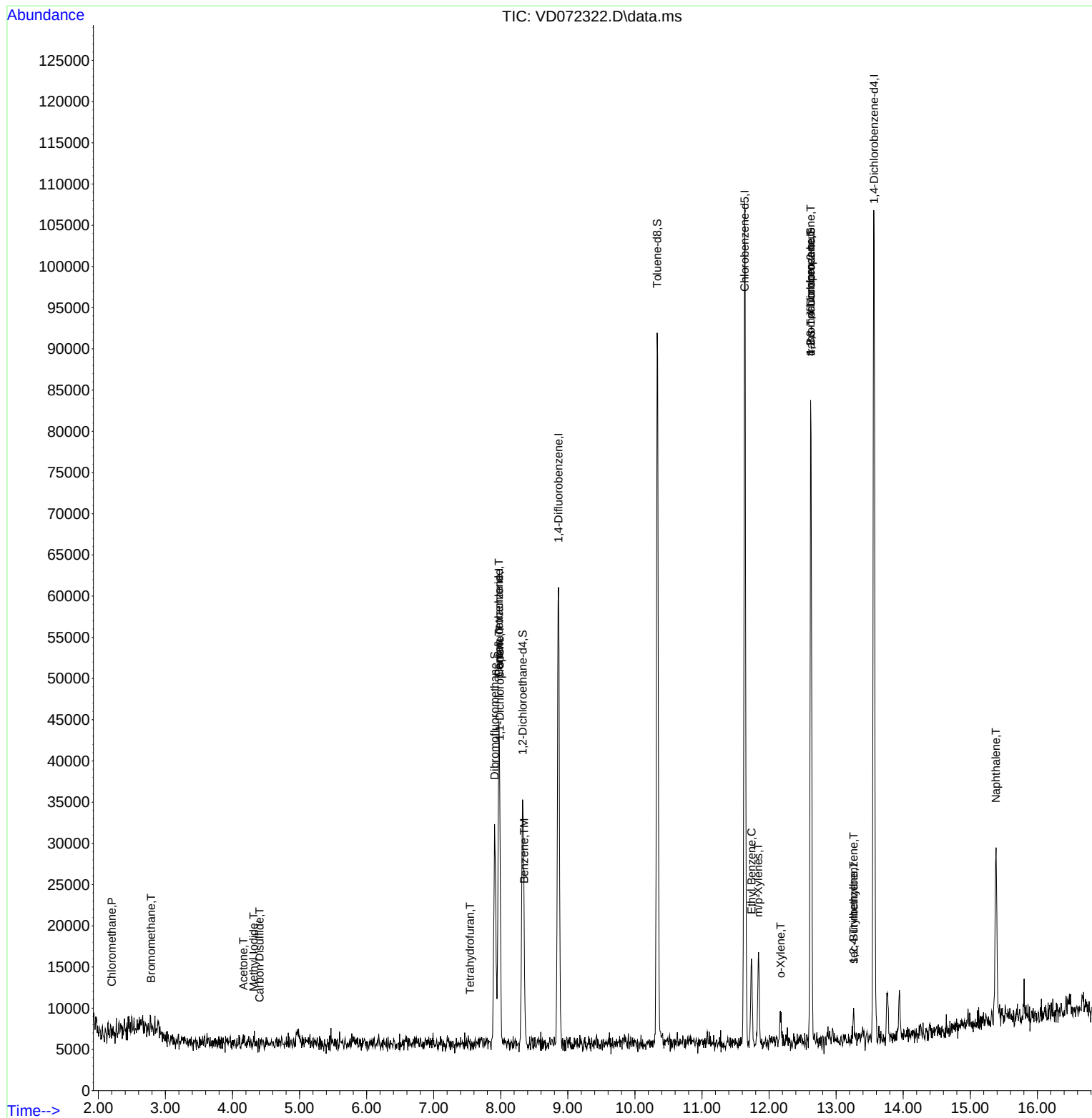
Internal Standards						
1) Pentafluorobenzene	7.973	168	29402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	45660	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	57161	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	27074	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	21501	65.618	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.240%	
35) Dibromofluoromethane	7.908	113	18210	56.674	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.340%	
50) Toluene-d8	10.332	98	58889	50.123	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.240%	
62) 4-Bromofluorobenzene	12.620	95	26025	57.009	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 114.020%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.203	50	335	1.386	ug/l #	40
5) Bromomethane	2.785	94	630	4.148	ug/l #	79
10) Methyl Iodide	4.314	142	296	3.167	ug/l #	60
16) Acetone	4.162	43	782	10.992	ug/l #	47
17) Carbon Disulfide	4.403	76	213	1.828	ug/l #	74
20) Methylene Chloride	4.973	84	962	Below Cal	#	53
29) Tetrahydrofuran	7.544	42	63	1.129	ug/l #	38
36) 1,1-Dichloropropene	7.985	75	2618	5.808	ug/l #	43
38) Carbon Tetrachloride	7.973	117	2862	5.586	ug/l #	13
40) Benzene	8.350	78	6335	4.926	ug/l	98
67) Ethyl Benzene	11.738	91	7751	3.425	ug/l #	86
68) m/p-Xylenes	11.838	106	3004	3.495	ug/l	95
69) o-Xylene	12.173	106	1299	1.580	ug/l	87
76) 1,2,3-Trichloropropane	12.620	75	13181	44.135	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	13181	109.504	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.261	105	2754	1.516	ug/l	81
85) sec-Butylbenzene	13.261	105	2754	1.135	ug/l #	57
95) Naphthalene	15.384	128	17975	17.850	ug/l	97

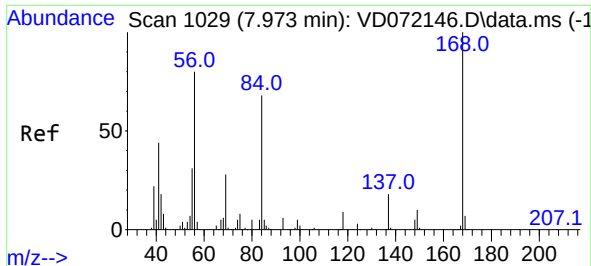
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031822\
Data File : VD072322.D
Acq On : 19 Mar 2022 07:26
Operator : VA/SY
Sample : N1968-03
Misc : 5.01G/5.00ml/MSVOA_D/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
G-2-4-5-6

Quant Time: Mar 19 08:11:00 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

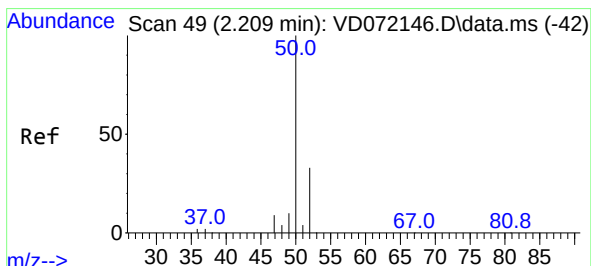
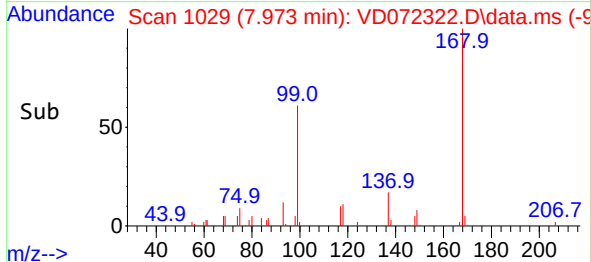
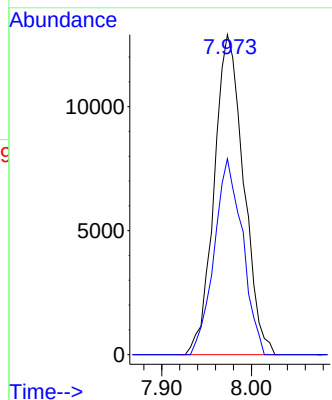
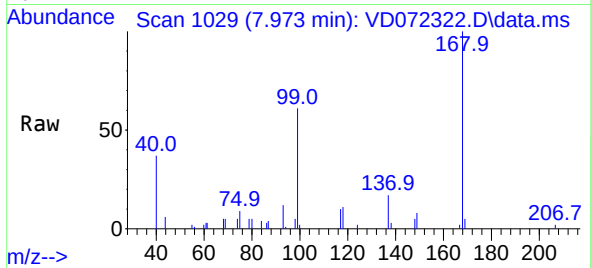




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD072322.D
Acq: 19 Mar 2022 07:26

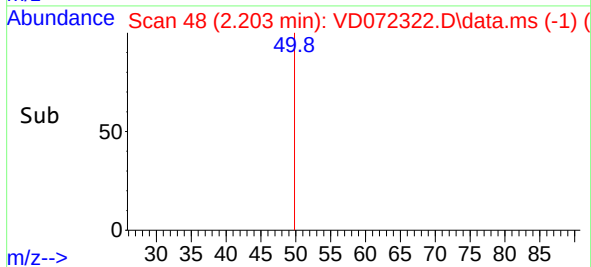
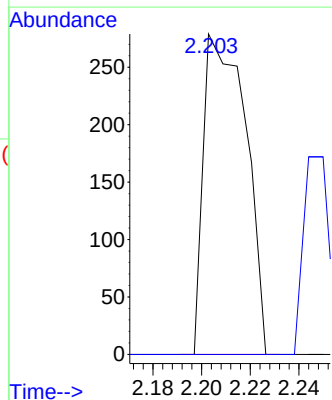
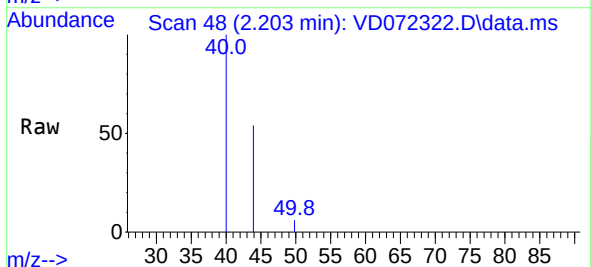
Instrument :
MSVOA_D
ClientSampleId :
G-2-4-5-6

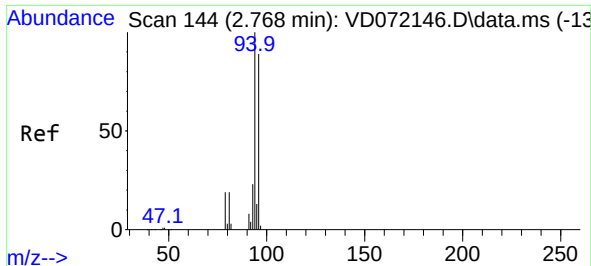
Tgt Ion:168 Resp: 29402
Ion Ratio Lower Upper
168 100
99 61.2 49.8 74.6



#3
Chloromethane
Concen: 1.386 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD072322.D
Acq: 19 Mar 2022 07:26

Tgt Ion: 50 Resp: 335
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

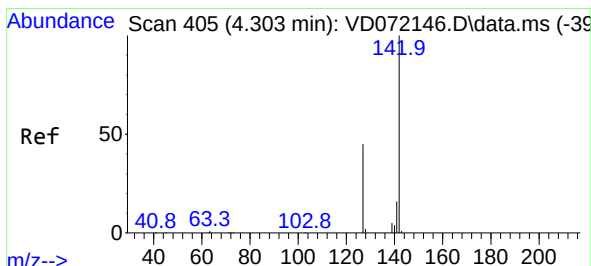
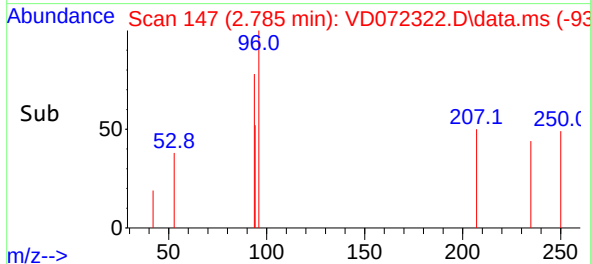
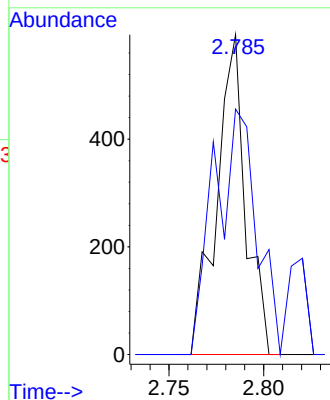
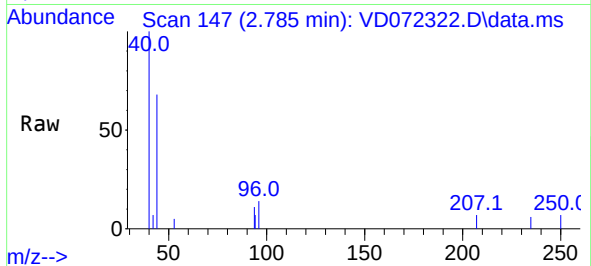




#5
Bromomethane
Concen: 4.148 ug/l
RT: 2.785 min Scan# 14
Delta R.T. 0.018 min
Lab File: VD072322.D
Acq: 19 Mar 2022 07:26

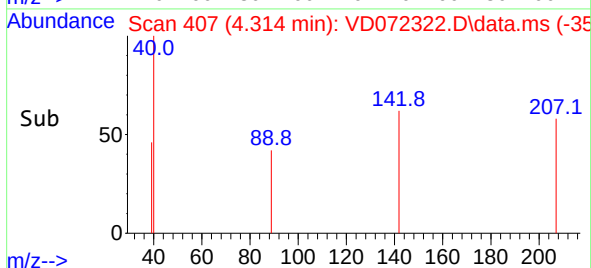
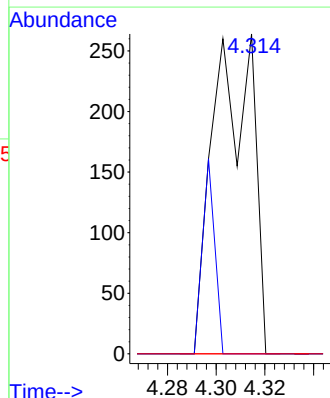
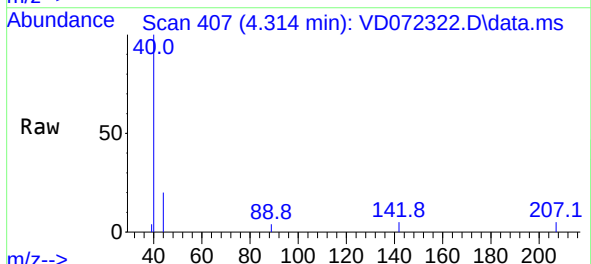
Instrument :
MSVOA_D
ClientSampleId :
G-2-4-5-6

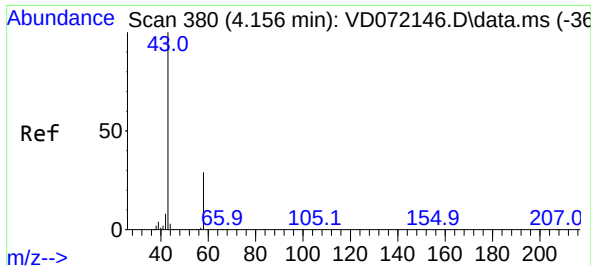
Tgt Ion: 94 Resp: 630
Ion Ratio Lower Upper
94 100
96 76.8 77.6 116.4#



#10
Methyl Iodide
Concen: 3.167 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.011 min
Lab File: VD072322.D
Acq: 19 Mar 2022 07:26

Tgt Ion: 142 Resp: 296
Ion Ratio Lower Upper
142 100
127 19.3 37.3 55.9#
141 0.0 11.7 17.5#

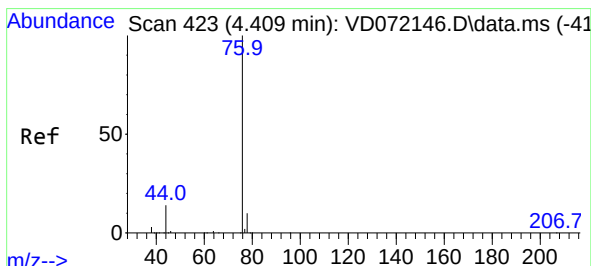
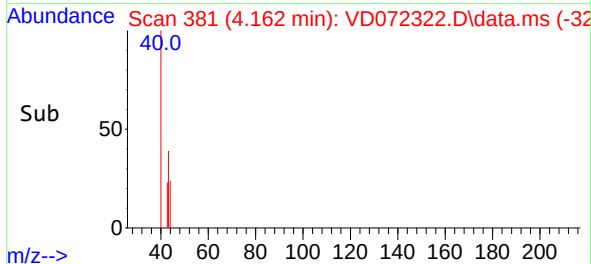
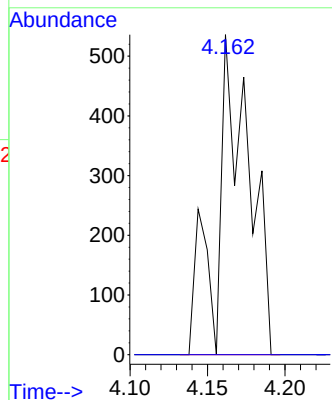
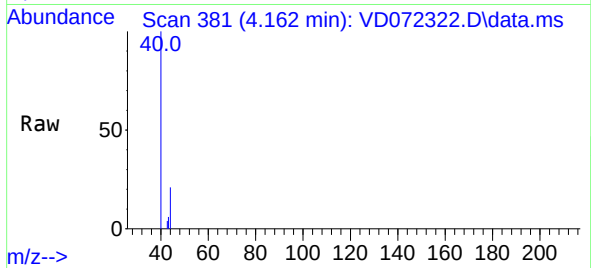




#16
Acetone
Concen: 10.992 ug/l
RT: 4.162 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD072322.D
Acq: 19 Mar 2022 07:26

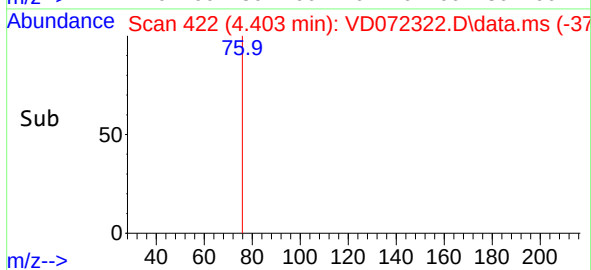
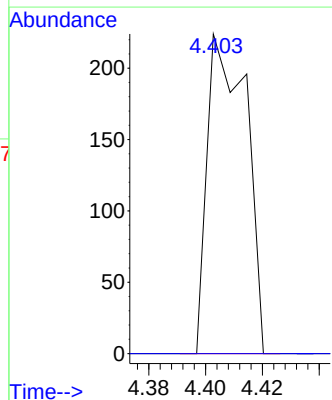
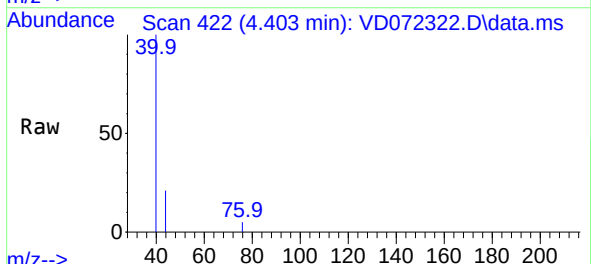
Instrument :
MSVOA_D
ClientSampleId :
G-2-4-5-6

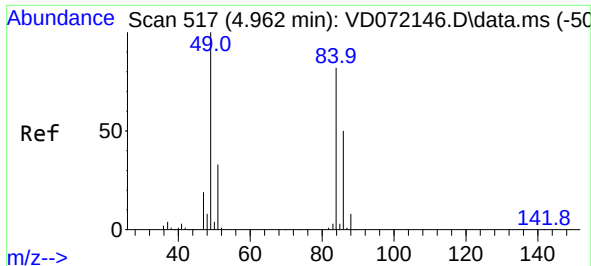
Tgt Ion: 43 Resp: 782
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#17
Carbon Disulfide
Concen: 1.828 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD072322.D
Acq: 19 Mar 2022 07:26

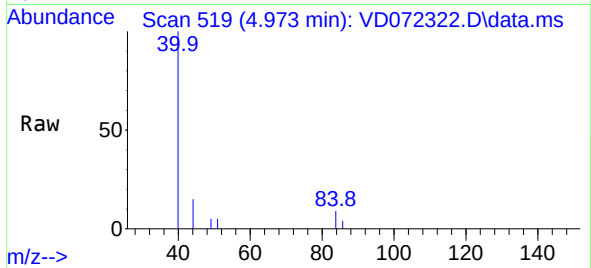
Tgt Ion: 76 Resp: 213
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



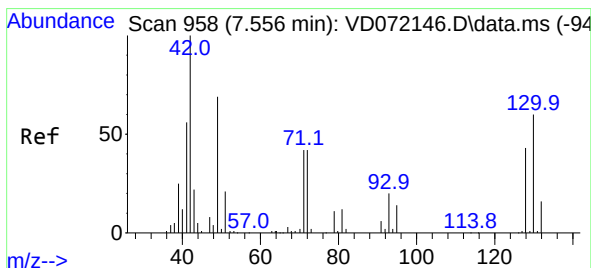
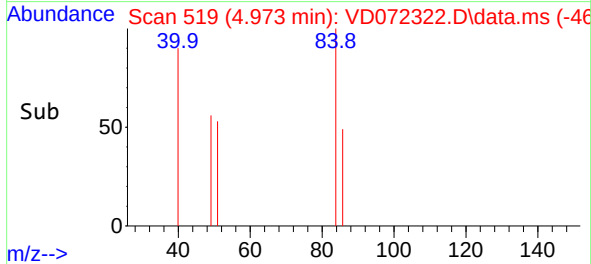
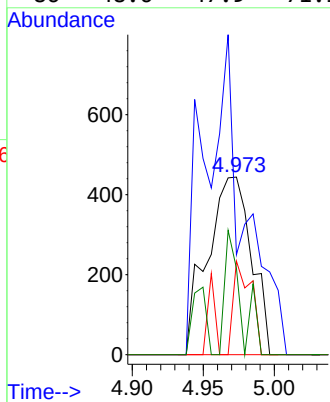


#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 517
Delta R.T. 0.011 min
Lab File: VD072322.D
Acq: 19 Mar 2022 07:26

Instrument :
MSVOA_D
ClientSampleId :
G-2-4-5-6

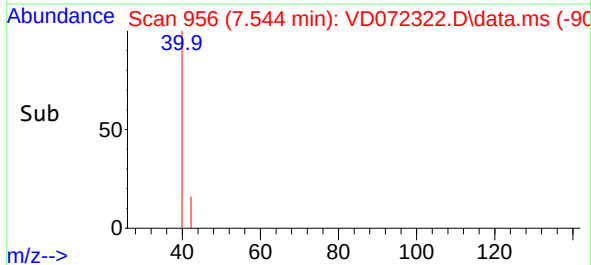
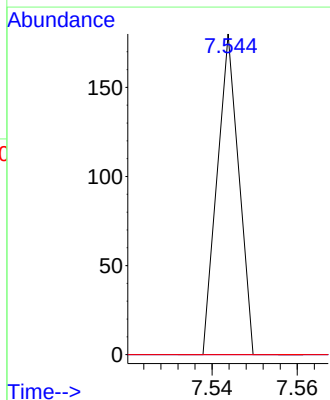
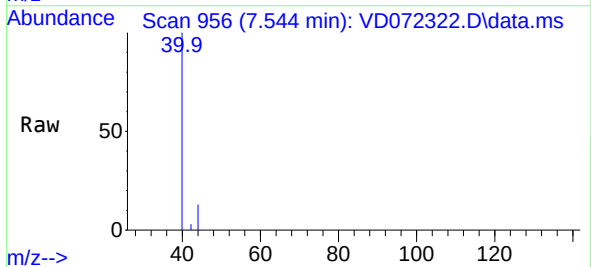


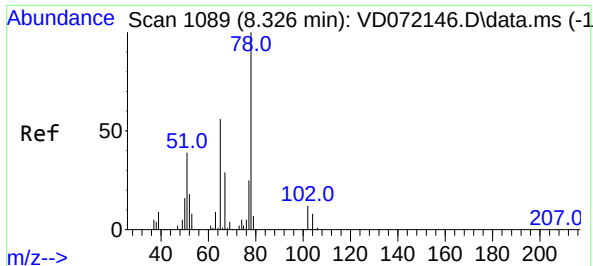
Tgt Ion: 84 Resp: 962
Ion Ratio Lower Upper
84 100
49 56.3 112.8 169.2#
51 52.7 32.6 48.8#
86 48.6 47.9 71.9



#29
Tetrahydrofuran
Concen: 1.129 ug/l
RT: 7.544 min Scan# 956
Delta R.T. -0.012 min
Lab File: VD072322.D
Acq: 19 Mar 2022 07:26

Tgt Ion: 42 Resp: 63
Ion Ratio Lower Upper
42 100
72 0.0 30.7 46.1#
71 0.0 28.6 43.0#





#33

1,2-Dichloroethane-d4

Concen: 65.618 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072322.D

Acq: 19 Mar 2022 07:26

Instrument :

MSVOA_D

ClientSampleId :

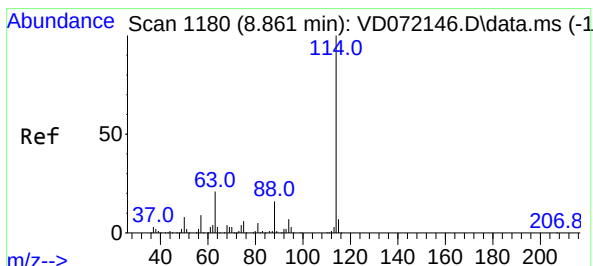
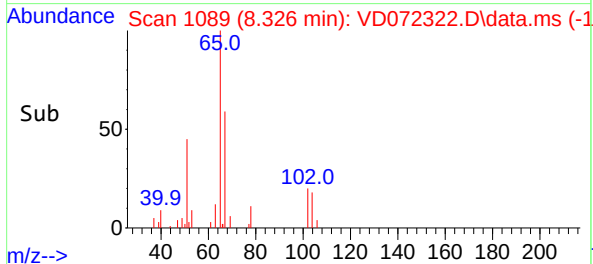
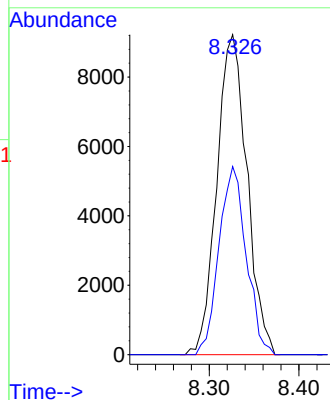
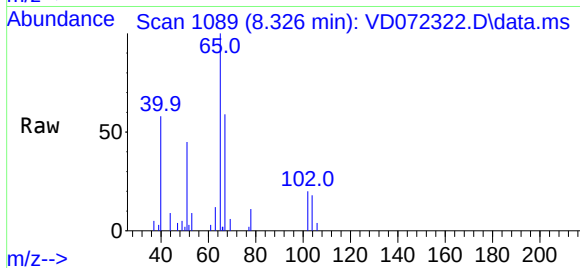
G-2-4-5-6

Tgt Ion: 65 Resp: 21501

Ion Ratio Lower Upper

65 100

67 53.3 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: VD072322.D

Acq: 19 Mar 2022 07:26

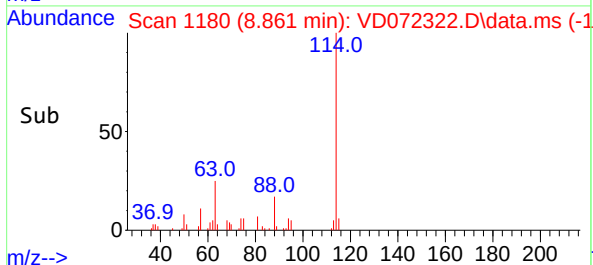
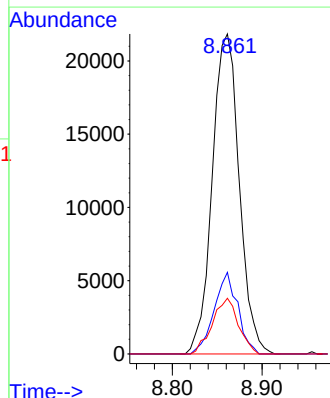
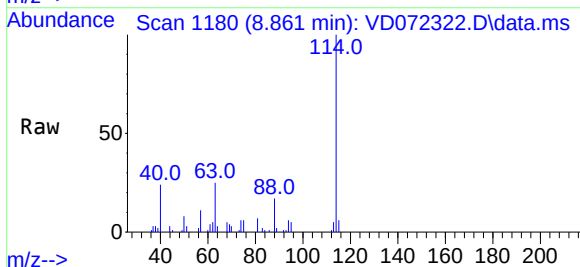
Tgt Ion: 114 Resp: 45660

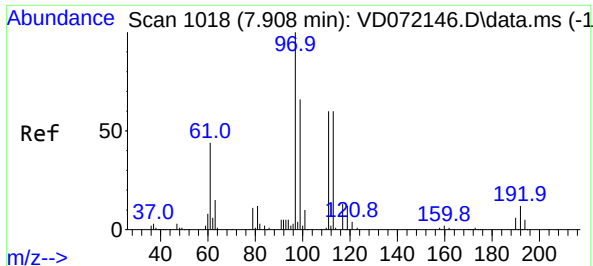
Ion Ratio Lower Upper

114 100

63 25.5 0.0 46.6

88 17.4 0.0 33.2

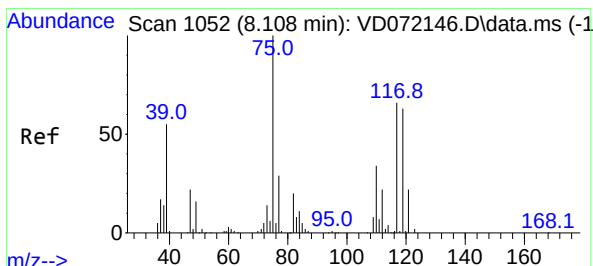
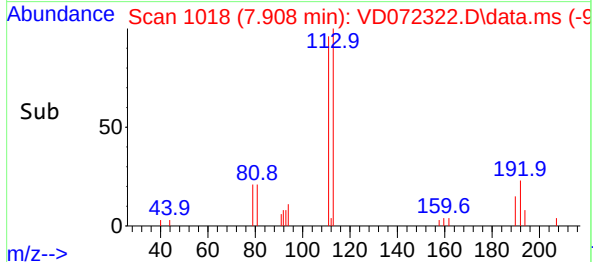
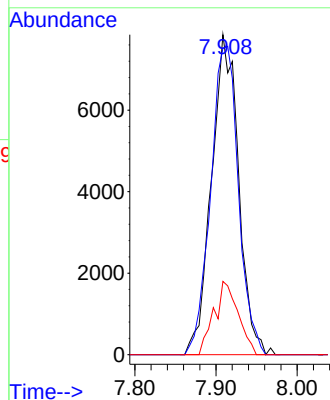
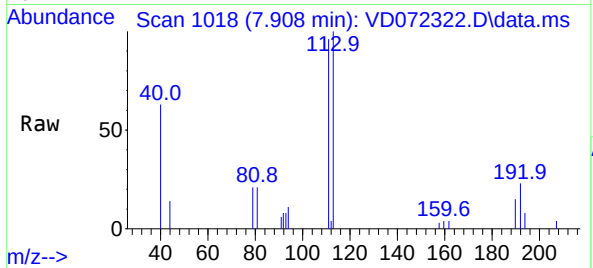




#35
Dibromofluoromethane
Concen: 56.674 ug/l
RT: 7.908 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD072322.D
Acq: 19 Mar 2022 07:26

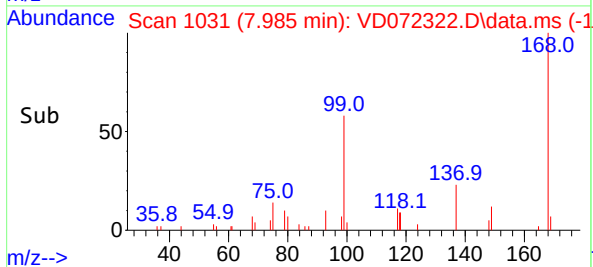
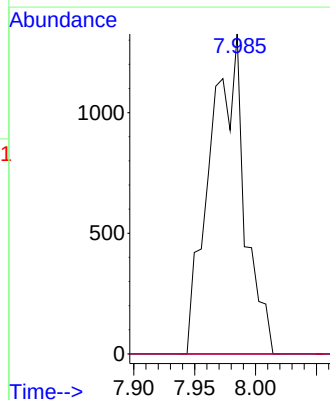
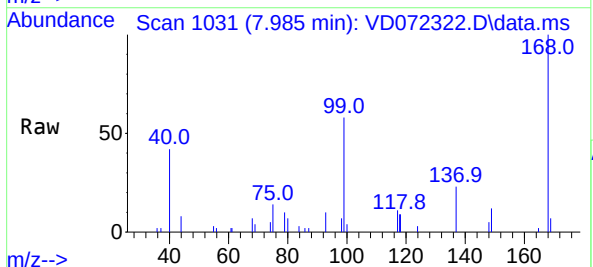
Instrument :
MSVOA_D
ClientSampleId :
G-2-4-5-6

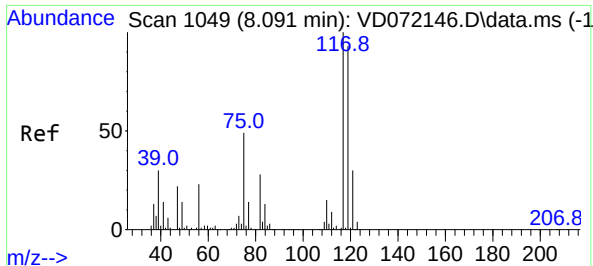
Tgt Ion:113 Resp: 18210
Ion Ratio Lower Upper
113 100
111 99.2 83.8 125.6
192 20.3 14.6 21.8



#36
1,1-Dichloropropene
Concen: 5.808 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.124 min
Lab File: VD072322.D
Acq: 19 Mar 2022 07:26

Tgt Ion: 75 Resp: 2618
Ion Ratio Lower Upper
75 100
110 0.0 16.4 49.1#
77 0.0 24.2 36.2#

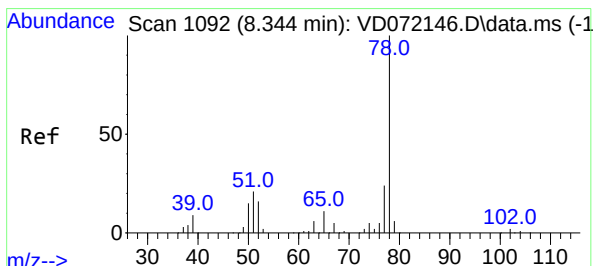
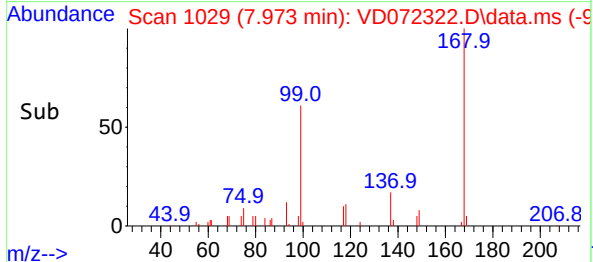
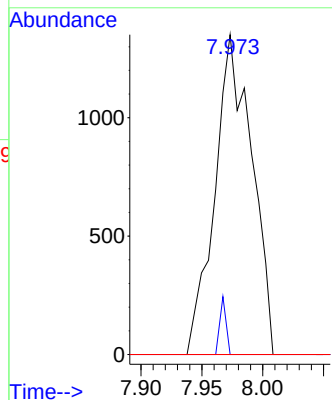
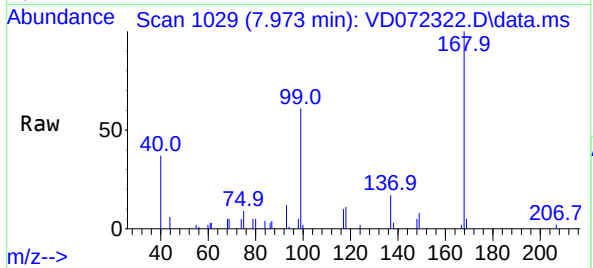




#38
Carbon Tetrachloride
Concen: 5.586 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD072322.D
Acq: 19 Mar 2022 07:26

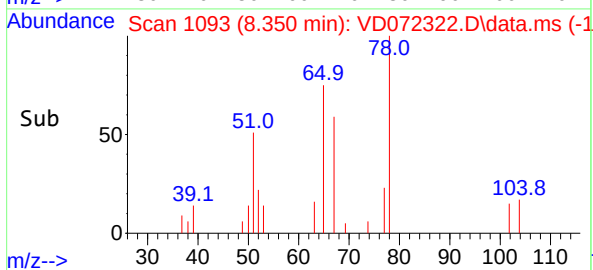
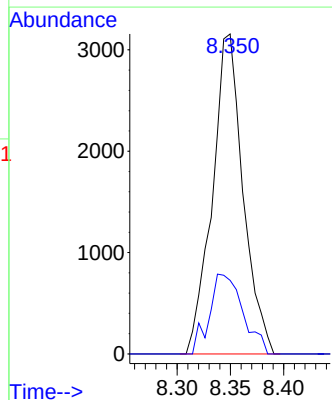
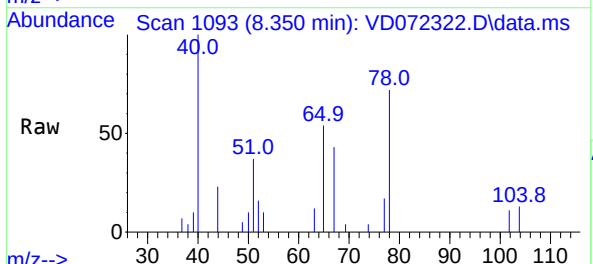
Instrument :
MSVOA_D
ClientSampleId :
G-2-4-5-6

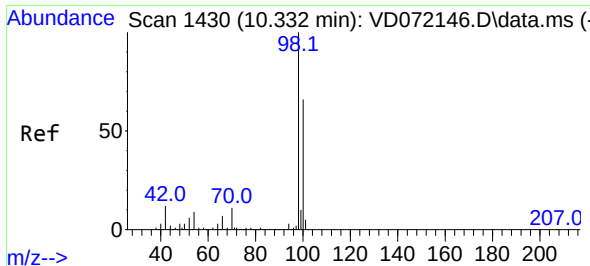
Tgt Ion:117 Resp: 2862
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#



#40
Benzene
Concen: 4.926 ug/l
RT: 8.350 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VD072322.D
Acq: 19 Mar 2022 07:26

Tgt Ion: 78 Resp: 6335
Ion Ratio Lower Upper
78 100
77 23.0 19.1 28.7

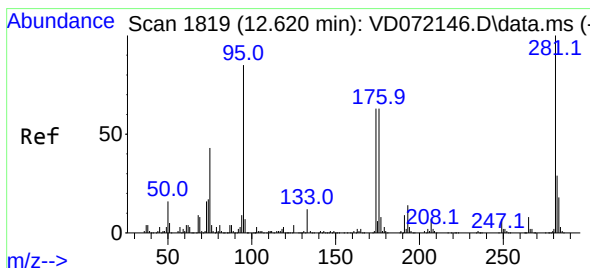
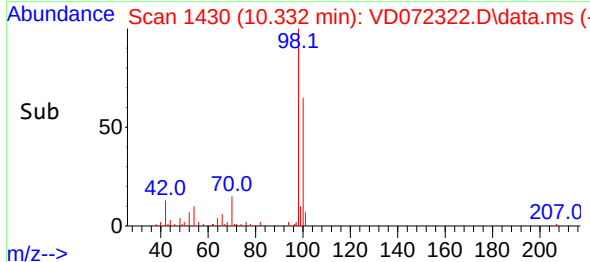
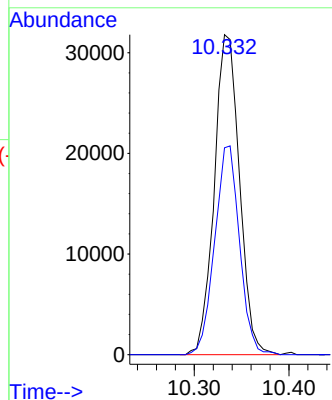
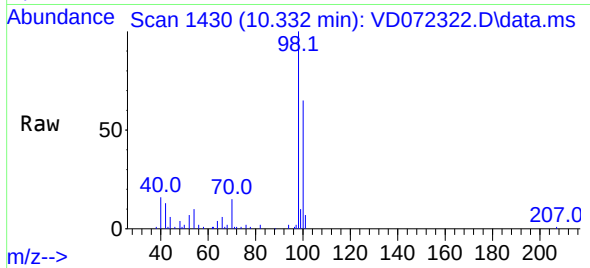




#50
Toluene-d8
Concen: 50.123 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072322.D
Acq: 19 Mar 2022 07:26

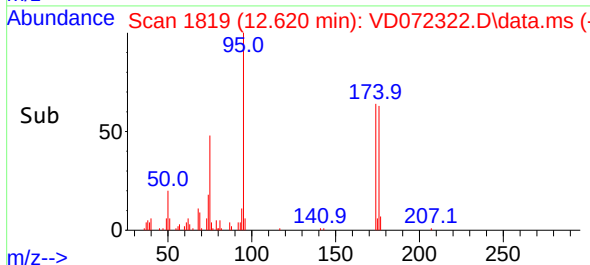
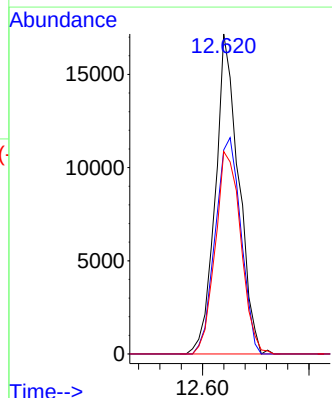
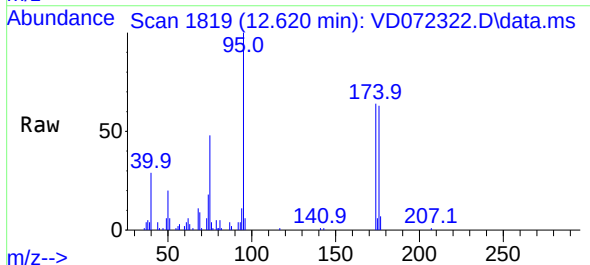
Instrument :
MSVOA_D
ClientSampleId :
G-2-4-5-6

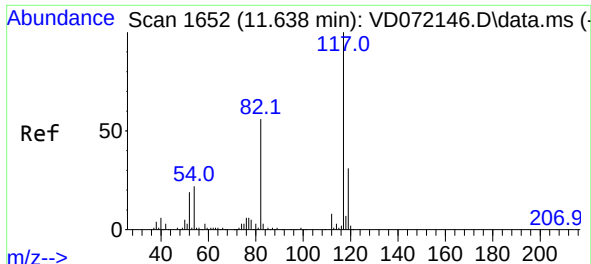
Tgt Ion: 98 Resp: 58889
Ion Ratio Lower Upper
98 100
100 64.2 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 57.009 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072322.D
Acq: 19 Mar 2022 07:26

Tgt Ion: 95 Resp: 26025
Ion Ratio Lower Upper
95 100
174 74.2 0.0 152.8
176 69.4 0.0 145.4

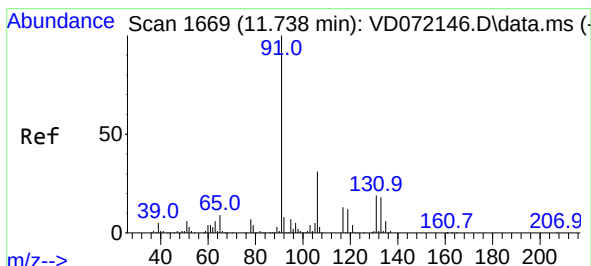
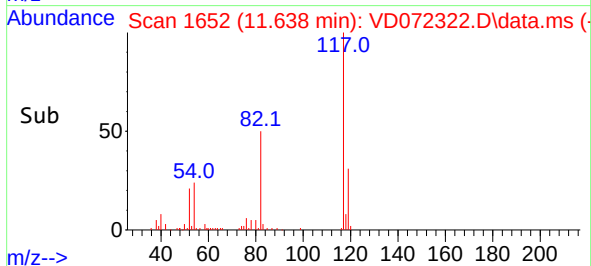
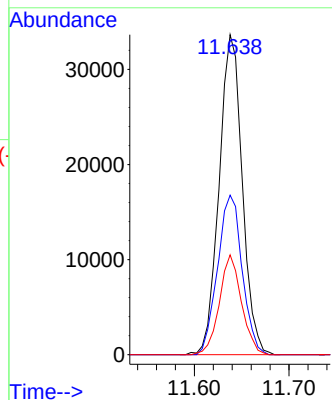
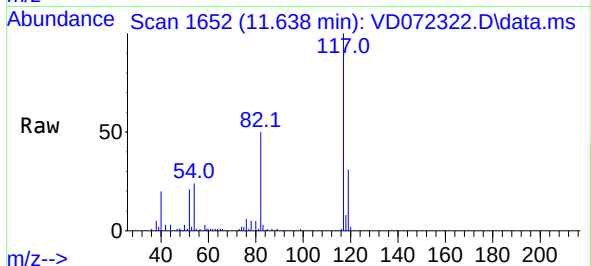




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD072322.D
Acq: 19 Mar 2022 07:26

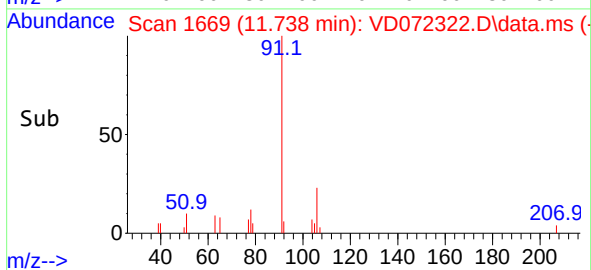
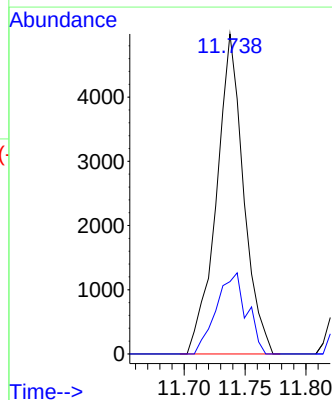
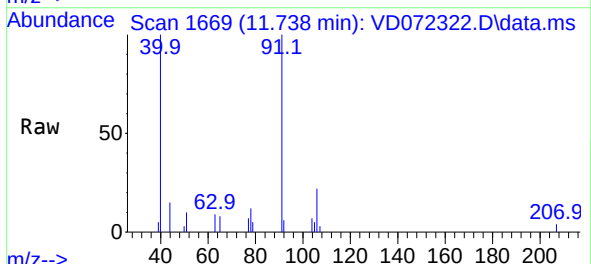
Instrument :
MSVOA_D
ClientSampleId :
G-2-4-5-6

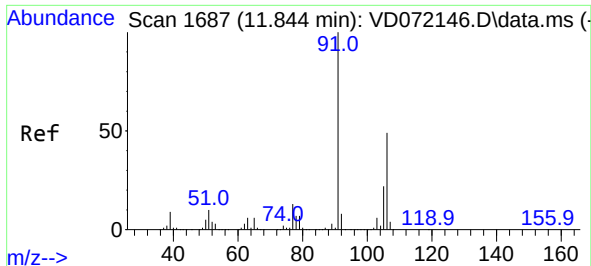
Tgt Ion:	117	Resp:	57161
Ion	Ratio	Lower	Upper
117	100		
82	49.8	45.3	67.9
119	31.2	26.6	40.0



#67
Ethyl Benzene
Concen: 3.425 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD072322.D
Acq: 19 Mar 2022 07:26

Tgt Ion:	91	Resp:	7751
Ion	Ratio	Lower	Upper
91	100		
106	22.6	24.2	36.4

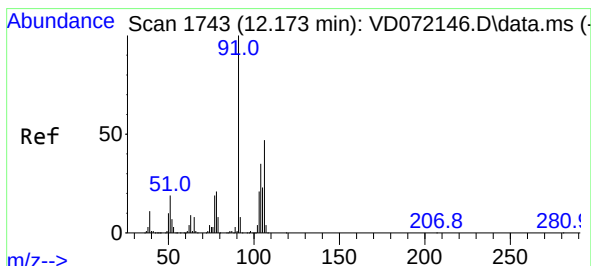
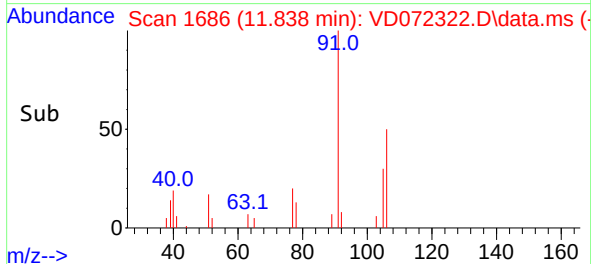
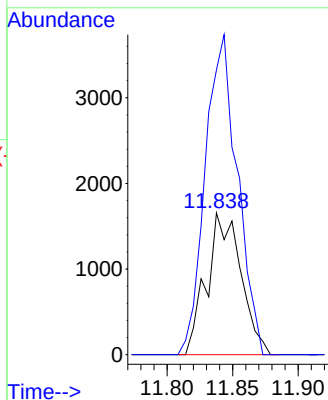
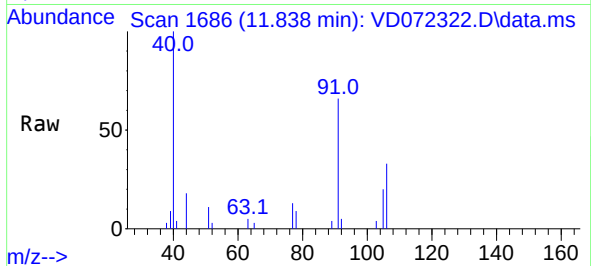




#68
m/p-Xylenes
Concen: 3.495 ug/l
RT: 11.838 min Scan# 1186
Delta R.T. -0.006 min
Lab File: VD072322.D
Acq: 19 Mar 2022 07:26

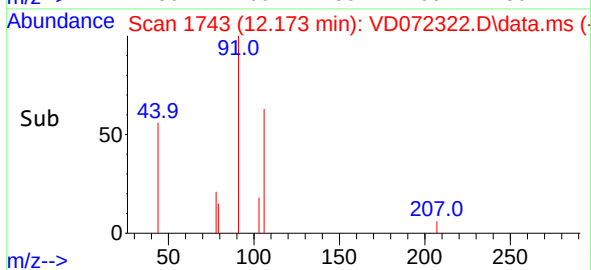
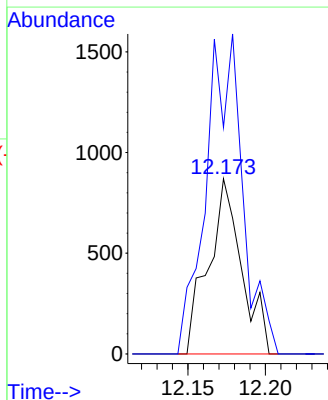
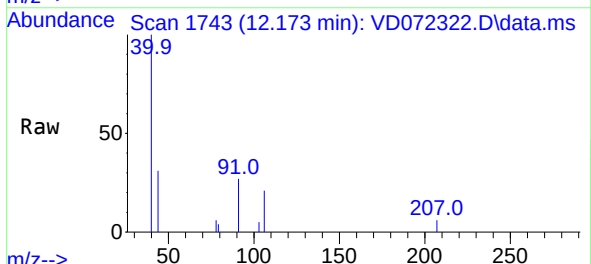
Instrument :
MSVOA_D
ClientSampleId :
G-2-4-5-6

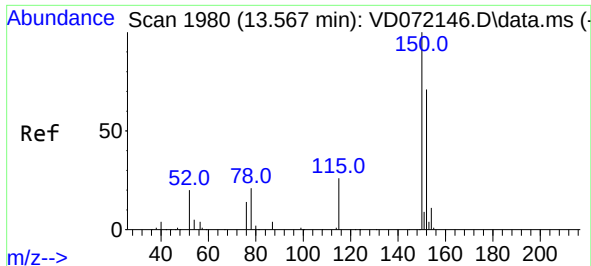
Tgt Ion:106 Resp: 3004
Ion Ratio Lower Upper
106 100
91 212.5 163.7 245.5



#69
o-Xylene
Concen: 1.580 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VD072322.D
Acq: 19 Mar 2022 07:26

Tgt Ion:106 Resp: 1299
Ion Ratio Lower Upper
106 100
91 200.2 110.4 331.2

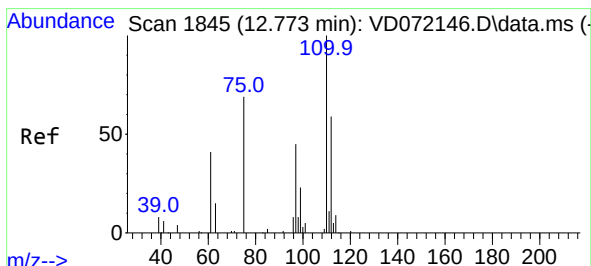
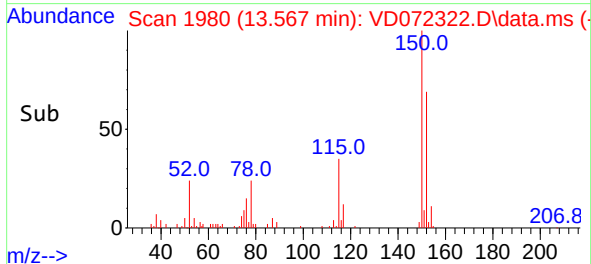
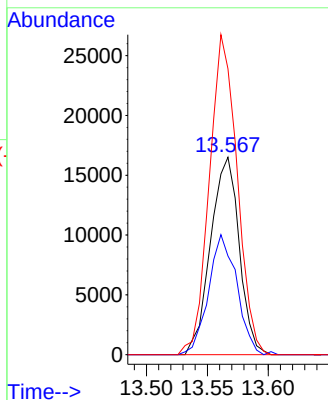
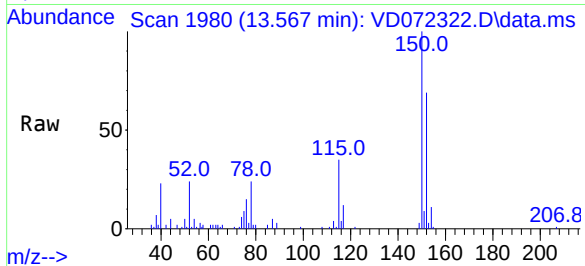




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072322.D
Acq: 19 Mar 2022 07:26

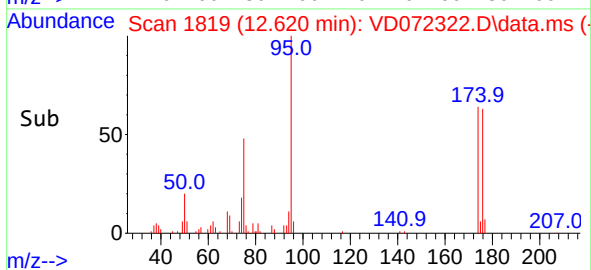
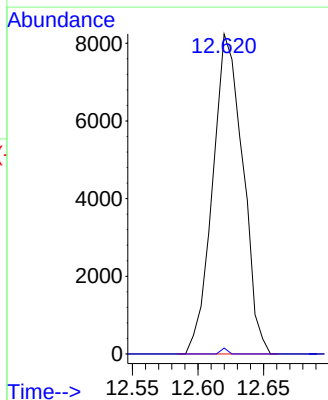
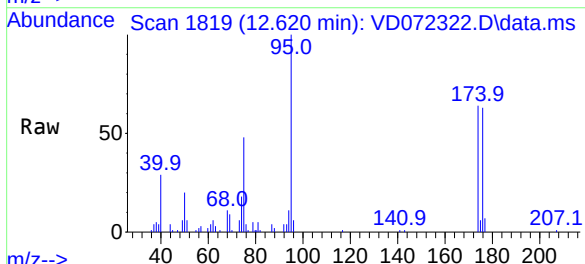
Instrument :
MSVOA_D
ClientSampleId :
G-2-4-5-6

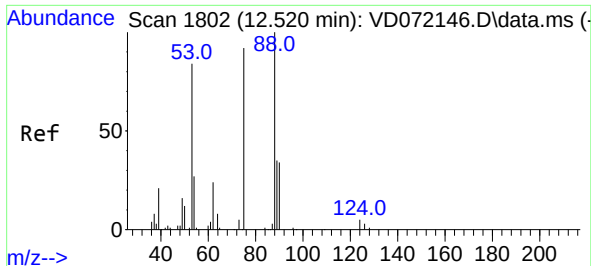
Tgt Ion:152 Resp: 27074
Ion Ratio Lower Upper
152 100
115 60.1 31.3 93.8
150 157.2 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 44.135 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072322.D
Acq: 19 Mar 2022 07:26

Tgt Ion: 75 Resp: 13181
Ion Ratio Lower Upper
75 100
77 0.4 0.0 0.0#

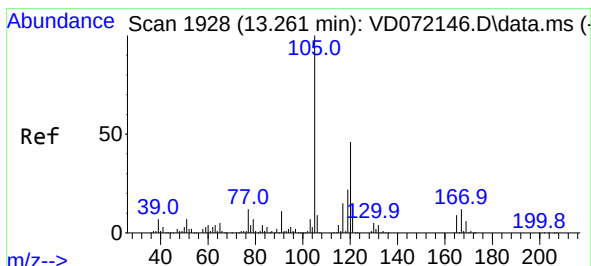
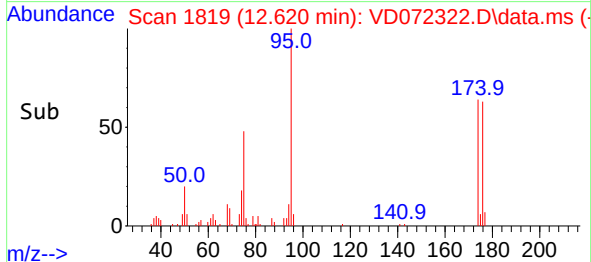
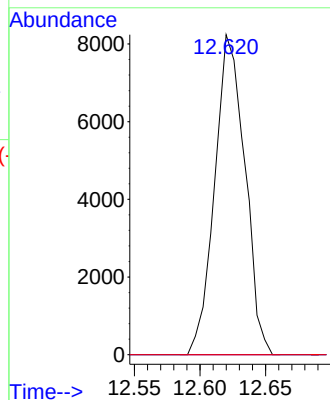
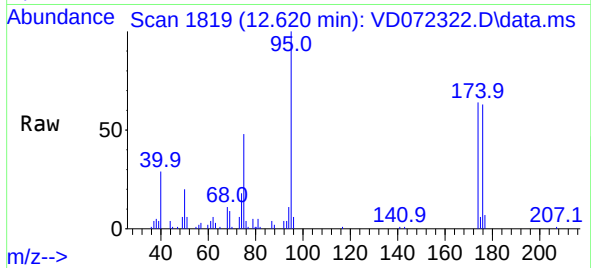




#81
trans-1,4-Dichloro-2-butene
Concen: 109.504 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072322.D
Acq: 19 Mar 2022 07:26

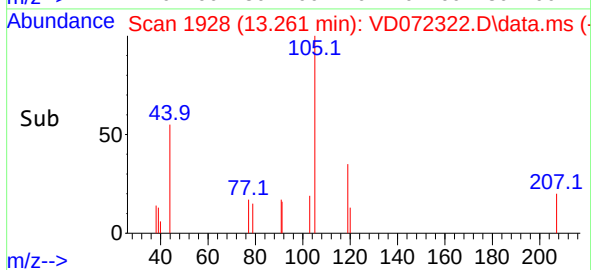
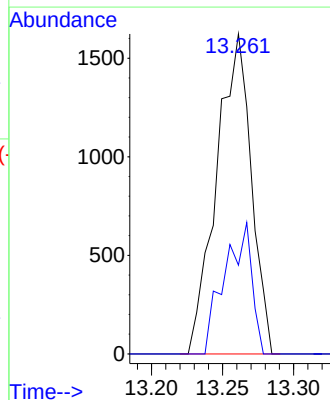
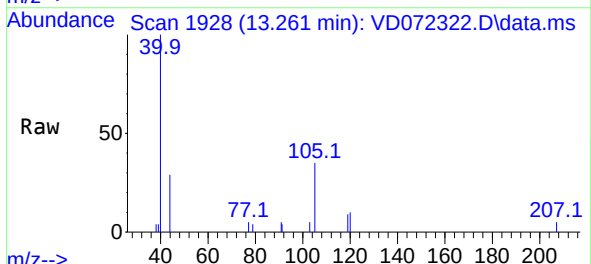
Instrument :
MSVOA_D
ClientSampleId :
G-2-4-5-6

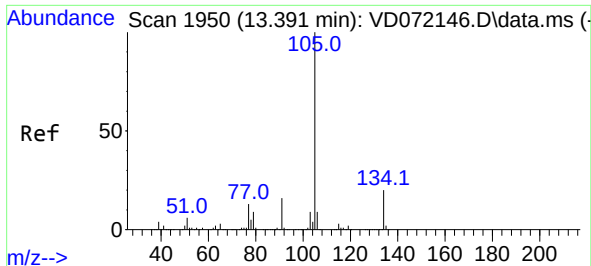
Tgt Ion: 75 Resp: 13181
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#84
1,2,4-Trimethylbenzene
Concen: 1.516 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. -0.000 min
Lab File: VD072322.D
Acq: 19 Mar 2022 07:26

Tgt Ion: 105 Resp: 2754
Ion Ratio Lower Upper
105 100
120 32.3 22.3 66.8

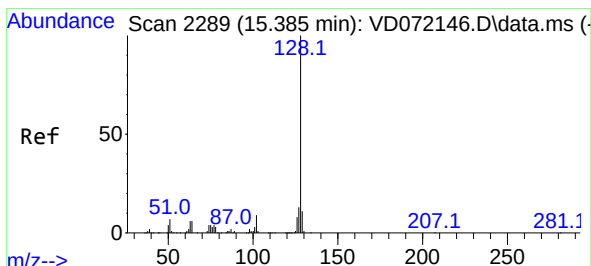
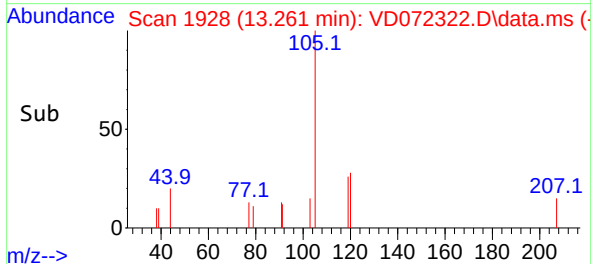
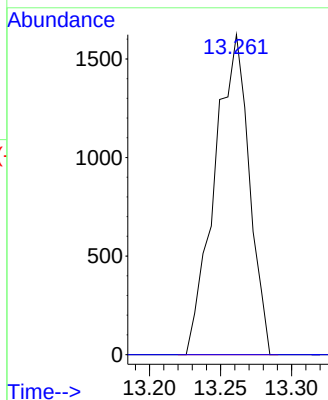
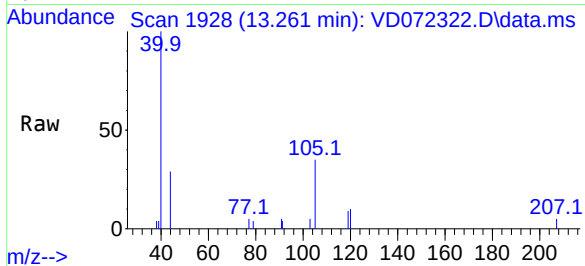




#85
 sec-Butylbenzene
 Concen: 1.135 ug/l
 RT: 13.261 min Scan# 1950
 Delta R.T. -0.129 min
 Lab File: VD072322.D
 Acq: 19 Mar 2022 07:26

Instrument :
 MSVOA_D
 ClientSampleId :
 G-2-4-5-6

Tgt Ion:105 Resp: 2754
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#



#95
 Naphthalene
 Concen: 17.850 ug/l
 RT: 15.384 min Scan# 2289
 Delta R.T. -0.000 min
 Lab File: VD072322.D
 Acq: 19 Mar 2022 07:26

Tgt Ion:128 Resp: 17975
 Ion Ratio Lower Upper
 128 100
 127 14.5 10.3 15.5
 129 11.5 8.4 12.6

