

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031822\
 Data File : VD072320.D
 Acq On : 19 Mar 2022 06:29
 Operator : VA/SY
 Sample : N1970-13
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 G-4-3-6-7

Quant Time: Mar 19 08:10:33 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)

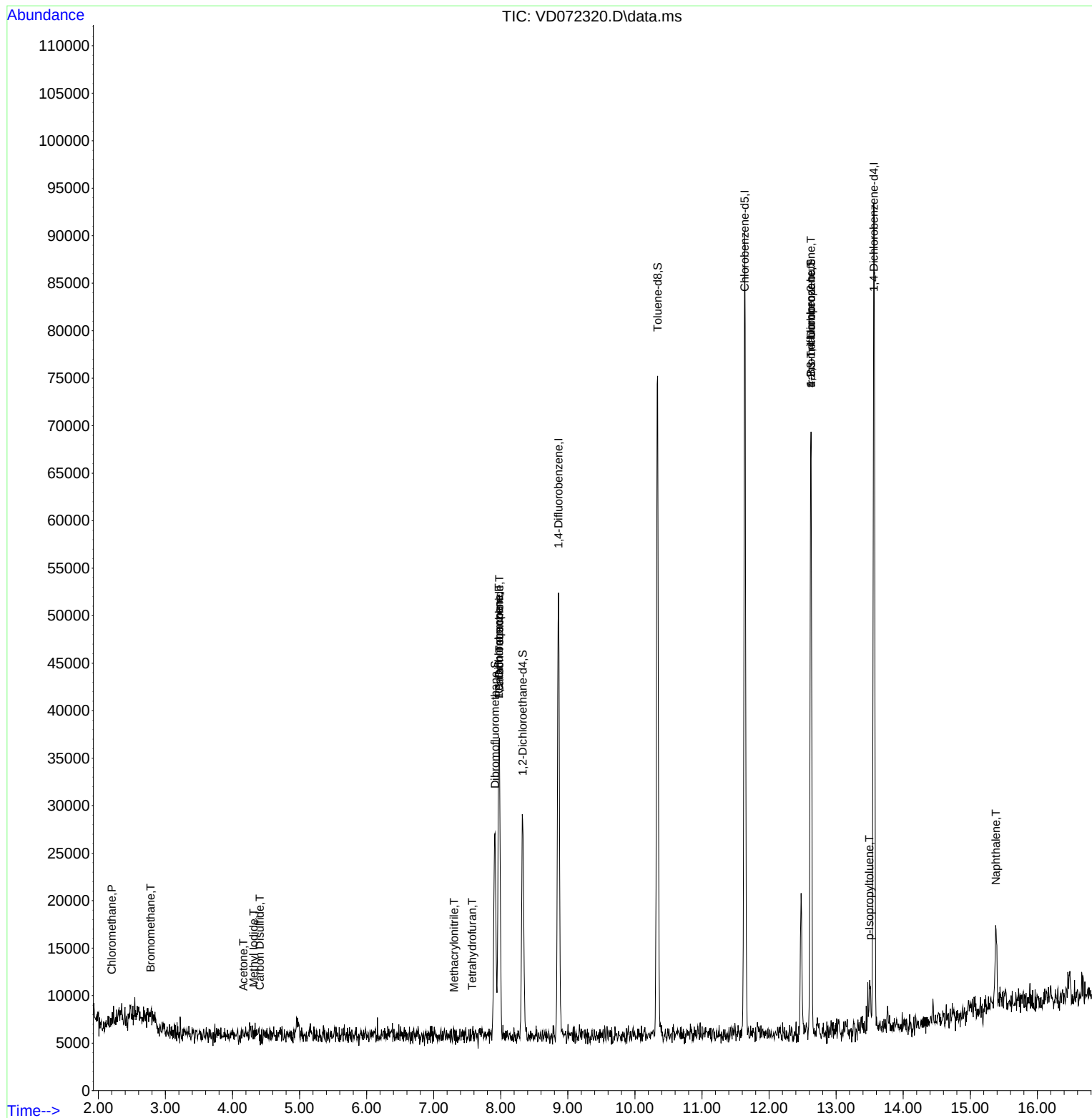
Internal Standards						
1) Pentafluorobenzene	7.973	168	24216	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	39219	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	46624	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	23635	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	19345	71.682	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 143.360%	
35) Dibromofluoromethane	7.914	113	15889	57.572	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.140%	
50) Toluene-d8	10.338	98	46266	45.846	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 91.700%	
62) 4-Bromofluorobenzene	12.626	95	21050	53.684	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 107.360%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.203	50	344	1.728	ug/l #	40
5) Bromomethane	2.779	94	606	4.844	ug/l #	80
10) Methyl Iodide	4.314	142	130	2.728	ug/l #	91
16) Acetone	4.161	43	905	15.445	ug/l #	47
17) Carbon Disulfide	4.409	76	118	1.721	ug/l #	74
20) Methylene Chloride	4.956	84	974	Below Cal	#	67
29) Tetrahydrofuran	7.573	42	63	1.371	ug/l #	38
36) 1,1-Dichloropropene	7.973	75	2048	5.290	ug/l #	43
38) Carbon Tetrachloride	7.979	117	2412	5.481	ug/l #	13
41) Methacrylonitrile	7.302	41	117	1.184	ug/l #	27
76) 1,2,3-Trichloropropane	12.626	75	11006	42.215	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	11006	104.739	ug/l #	7
86) p-Isopropyltoluene	13.496	119	3628	2.081	ug/l	96
95) Naphthalene	15.384	128	7359	8.371	ug/l #	97

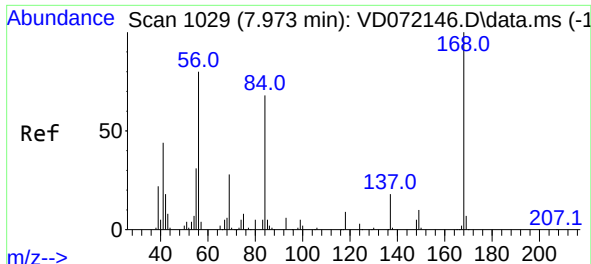
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

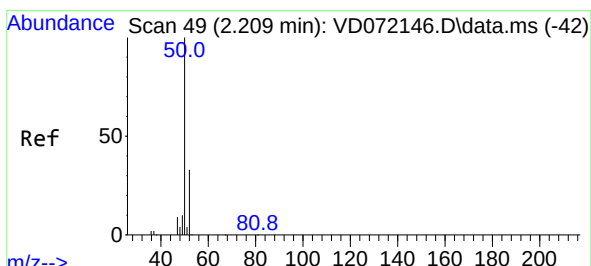
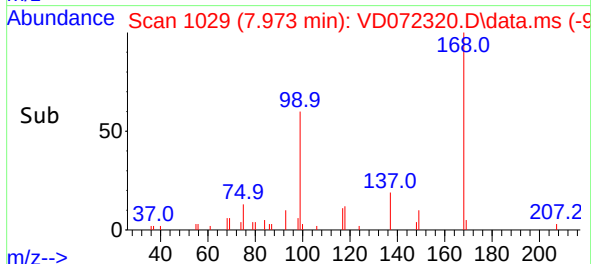
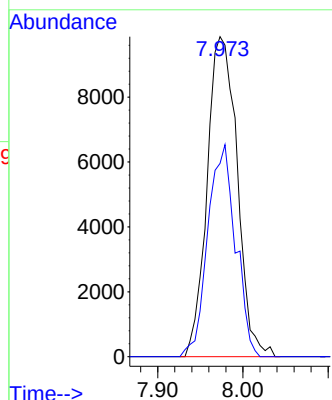
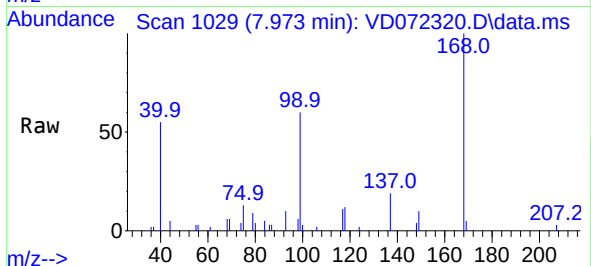




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD072320.D
Acq: 19 Mar 2022 06:29

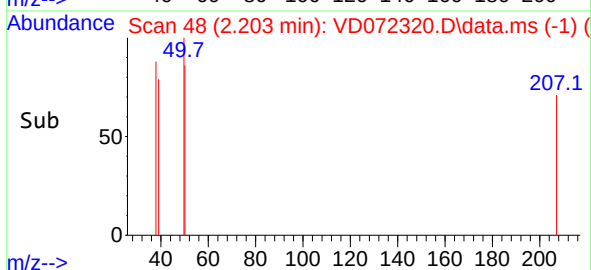
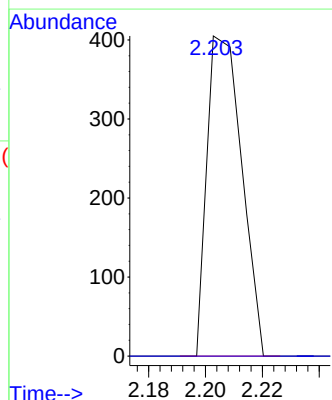
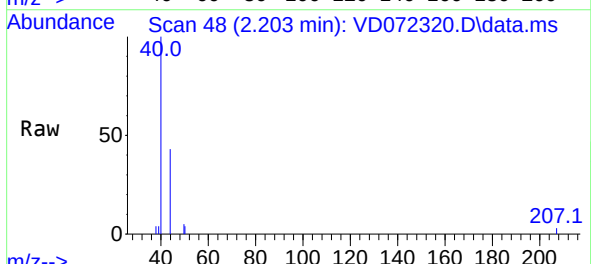
Instrument :
MSVOA_D
ClientSampleId :
G-4-3-6-7

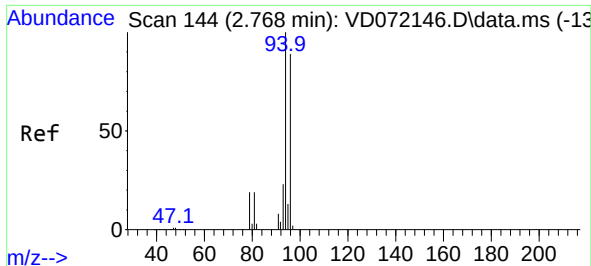
Tgt Ion:168 Resp: 24216
Ion Ratio Lower Upper
168 100
99 60.4 49.8 74.6



#3
Chloromethane
Concen: 1.728 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD072320.D
Acq: 19 Mar 2022 06:29

Tgt Ion: 50 Resp: 344
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

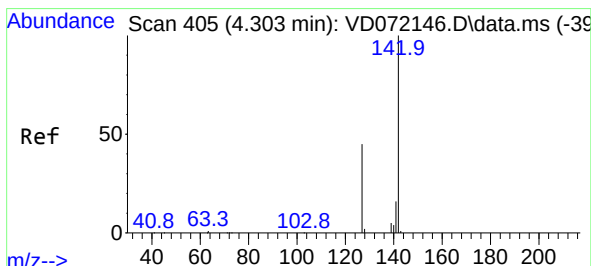
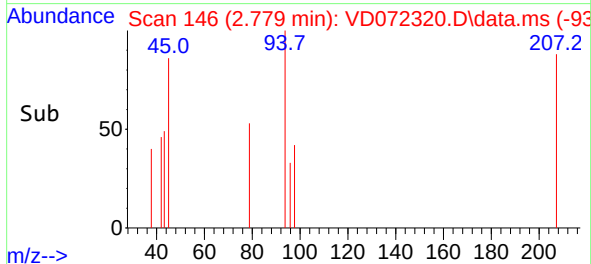
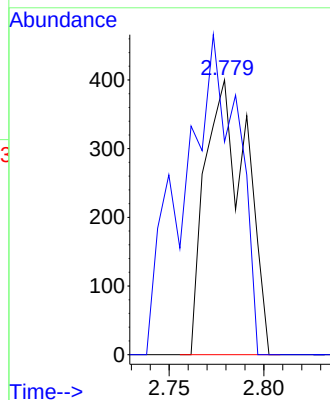
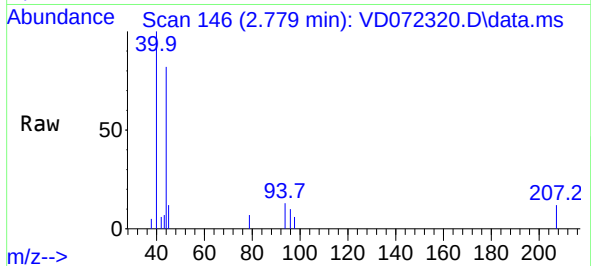




#5
Bromomethane
Concen: 4.844 ug/l
RT: 2.779 min Scan# 144
Delta R.T. 0.012 min
Lab File: VD072320.D
Acq: 19 Mar 2022 06:29

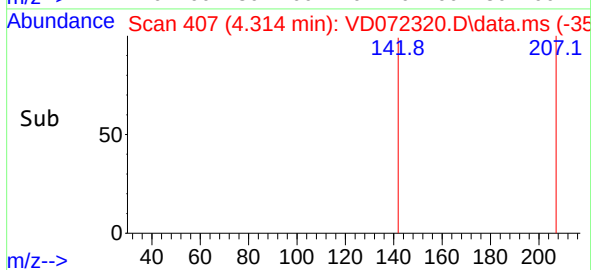
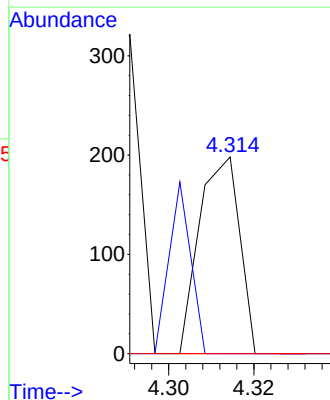
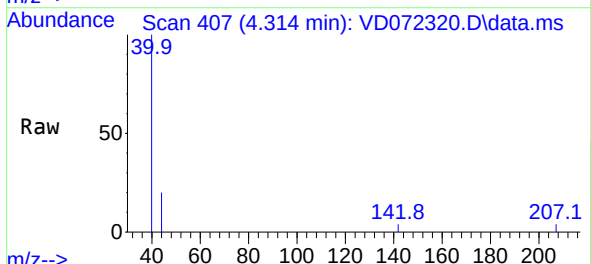
Instrument :
MSVOA_D
ClientSampleId :
G-4-3-6-7

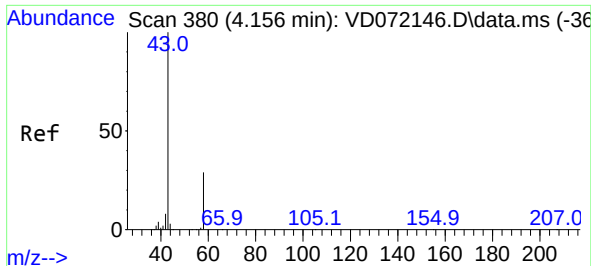
Tgt Ion: 94 Resp: 606
Ion Ratio Lower Upper
94 100
96 77.5 77.6 116.4#



#10
Methyl Iodide
Concen: 2.728 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.011 min
Lab File: VD072320.D
Acq: 19 Mar 2022 06:29

Tgt Ion:142 Resp: 130
Ion Ratio Lower Upper
142 100
127 46.9 37.3 55.9
141 0.0 11.7 17.5#

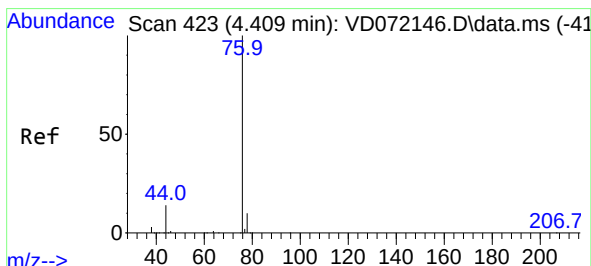
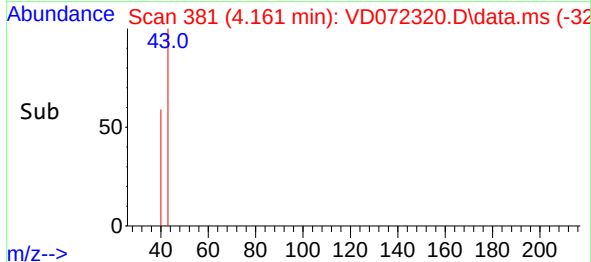
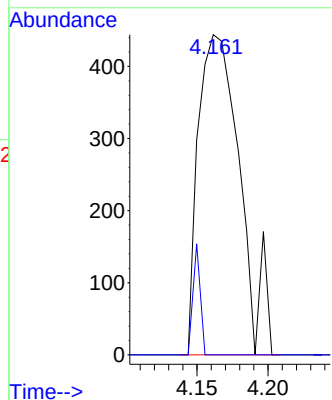
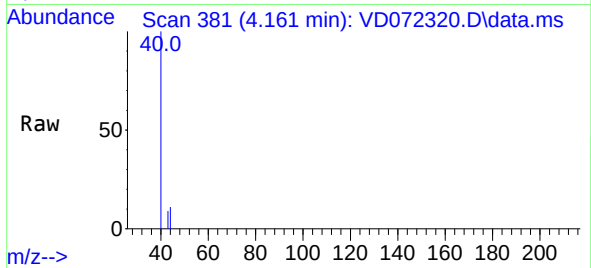




#16
Acetone
Concen: 15.445 ug/l
RT: 4.161 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD072320.D
Acq: 19 Mar 2022 06:29

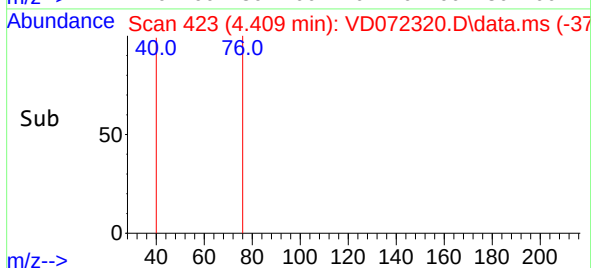
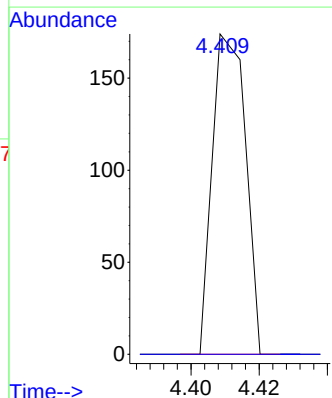
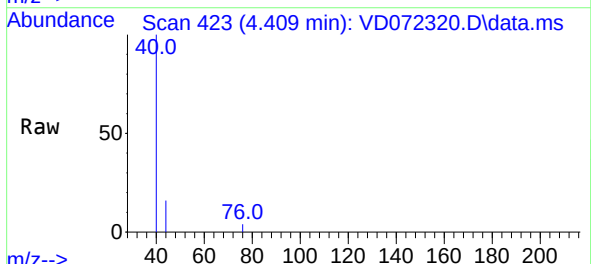
Instrument :
MSVOA_D
ClientSampleId :
G-4-3-6-7

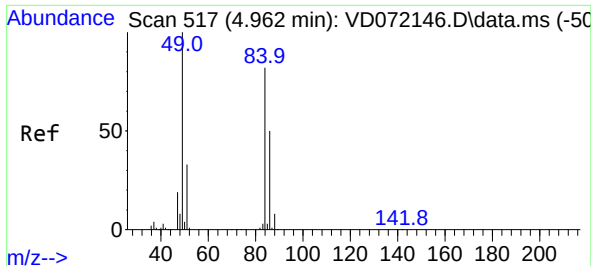
Tgt Ion: 43 Resp: 905
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#17
Carbon Disulfide
Concen: 1.721 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD072320.D
Acq: 19 Mar 2022 06:29

Tgt Ion: 76 Resp: 118
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



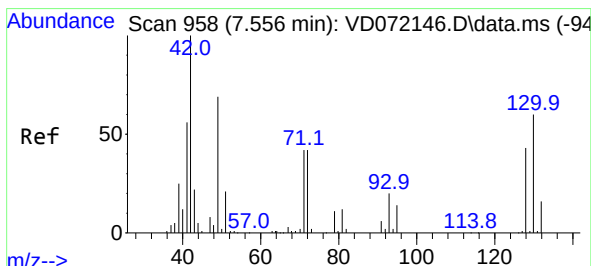
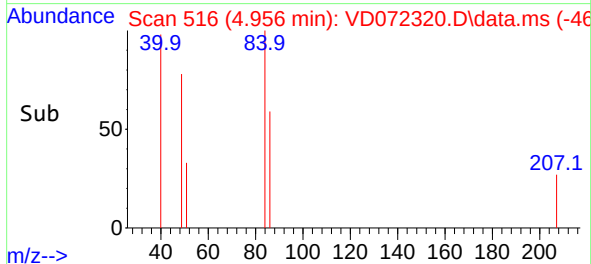
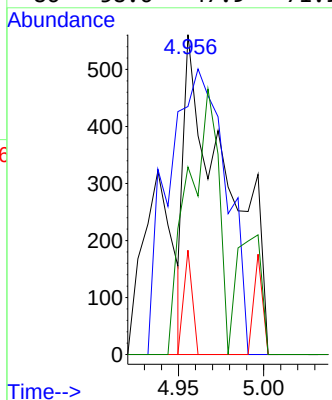
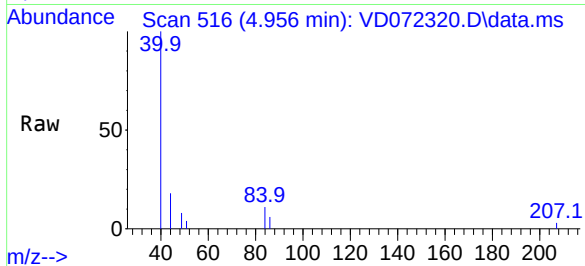


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 51
Delta R.T. -0.006 min
Lab File: VD072320.D
Acq: 19 Mar 2022 06:29

Instrument :
MSVOA_D
ClientSampleId :
G-4-3-6-7

Tgt Ion: 84 Resp: 974

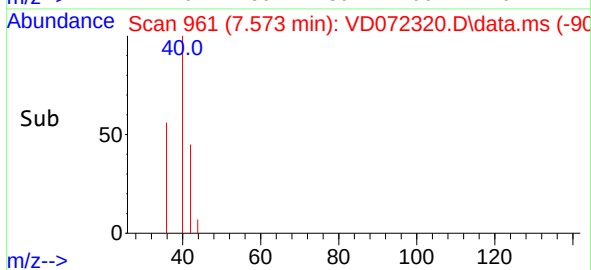
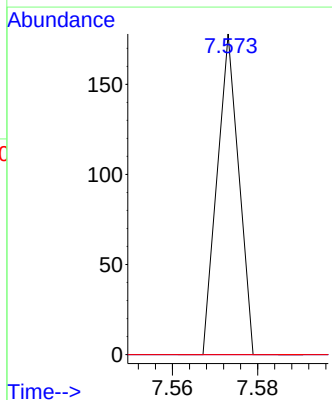
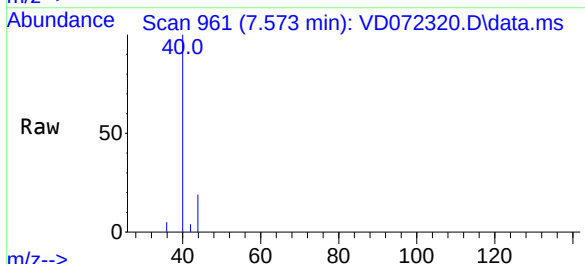
Ion	Ratio	Lower	Upper
84	100		
49	77.5	112.8	169.2#
51	32.6	32.6	48.8
86	58.6	47.9	71.9

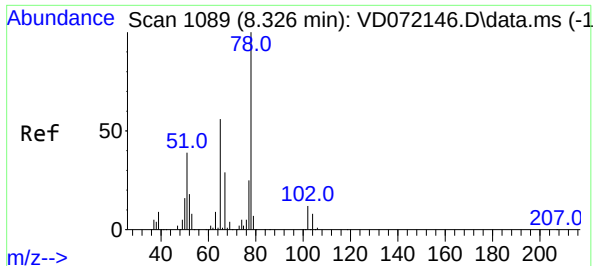


#29
Tetrahydrofuran
Concen: 1.371 ug/l
RT: 7.573 min Scan# 961
Delta R.T. 0.018 min
Lab File: VD072320.D
Acq: 19 Mar 2022 06:29

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: 71.682 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072320.D

Acq: 19 Mar 2022 06:29

Instrument :

MSVOA_D

ClientSampleId :

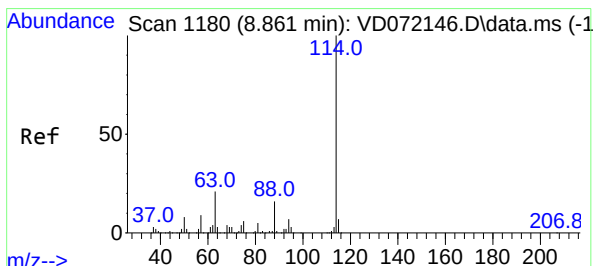
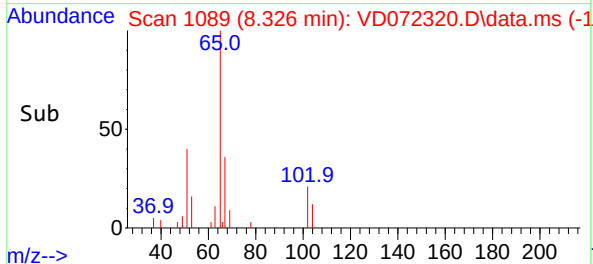
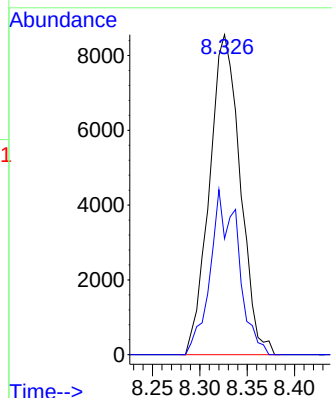
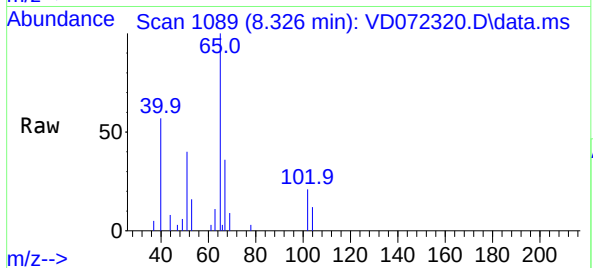
G-4-3-6-7

Tgt Ion: 65 Resp: 19345

Ion Ratio Lower Upper

65 100

67 46.9 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: VD072320.D

Acq: 19 Mar 2022 06:29

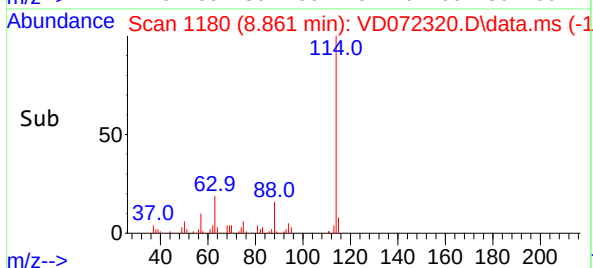
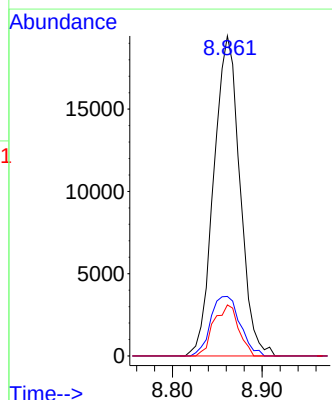
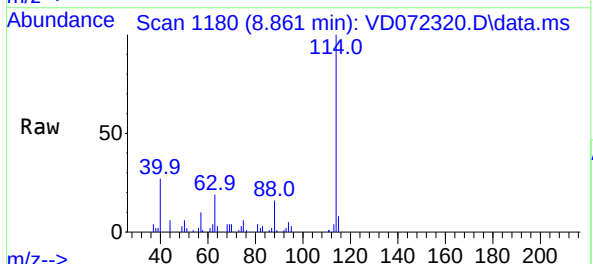
Tgt Ion: 114 Resp: 39219

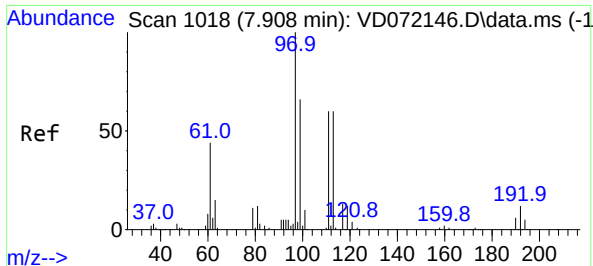
Ion Ratio Lower Upper

114 100

63 18.6 0.0 46.6

88 16.0 0.0 33.2

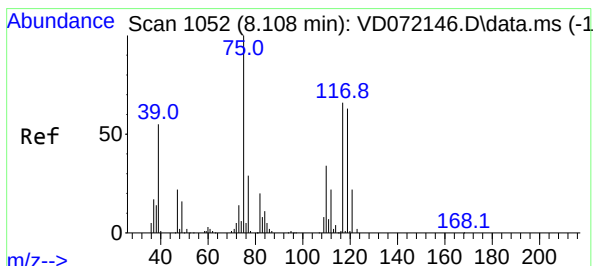
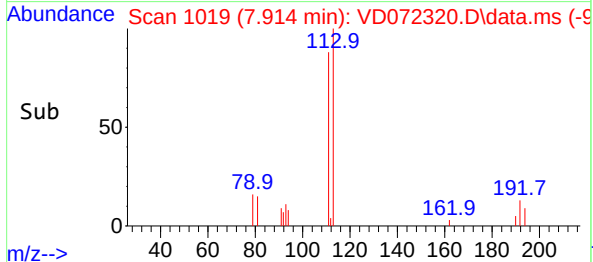
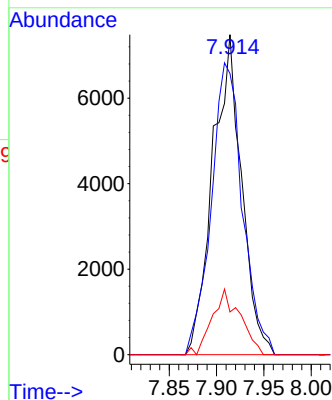
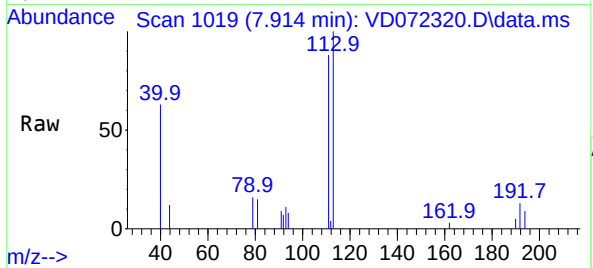




#35
Dibromofluoromethane
Concen: 57.572 ug/l
RT: 7.914 min Scan# 1018
Delta R.T. 0.006 min
Lab File: VD072320.D
Acq: 19 Mar 2022 06:29

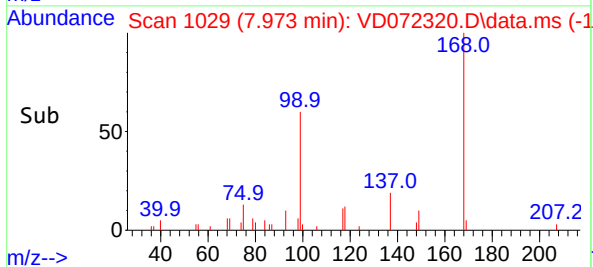
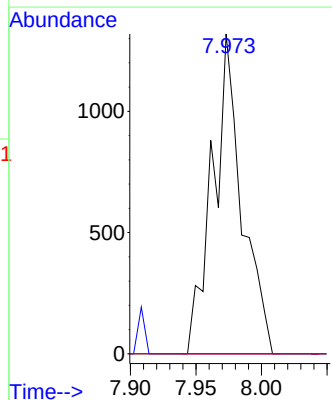
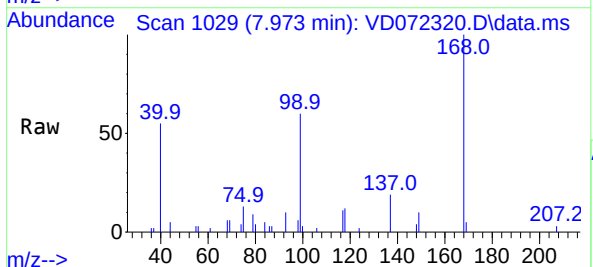
Instrument :
MSVOA_D
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G-4-3-6-7

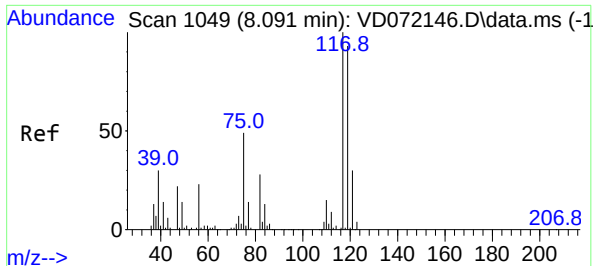
Tgt Ion:113 Resp: 15889
Ion Ratio Lower Upper
113 100
111 98.6 83.8 125.6
192 19.8 14.6 21.8



#36
1,1-Dichloropropene
Concen: 5.290 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD072320.D
Acq: 19 Mar 2022 06:29

Tgt Ion: 75 Resp: 2048
Ion Ratio Lower Upper
75 100
110 0.0 16.4 49.1#
77 0.0 24.2 36.2#

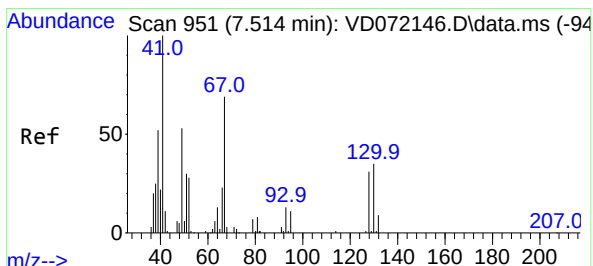
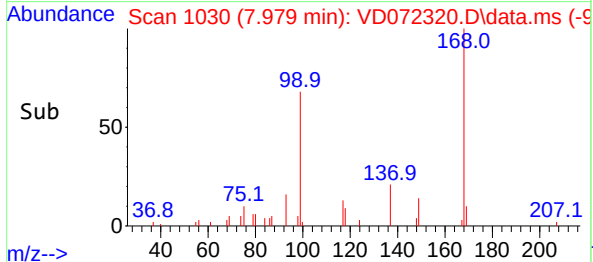
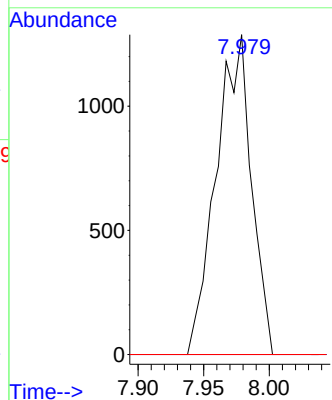
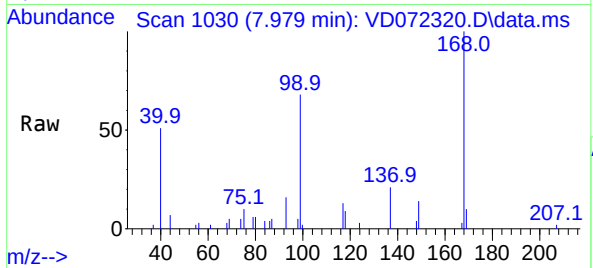




#38
Carbon Tetrachloride
Concen: 5.481 ug/l
RT: 7.979 min Scan# 1049
Delta R.T. -0.112 min
Lab File: VD072320.D
Acq: 19 Mar 2022 06:29

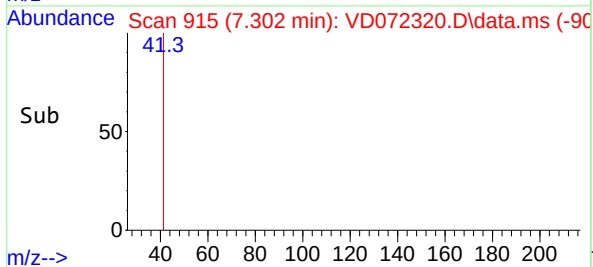
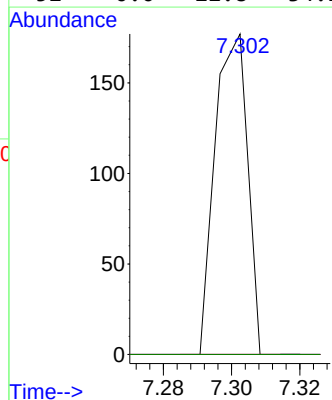
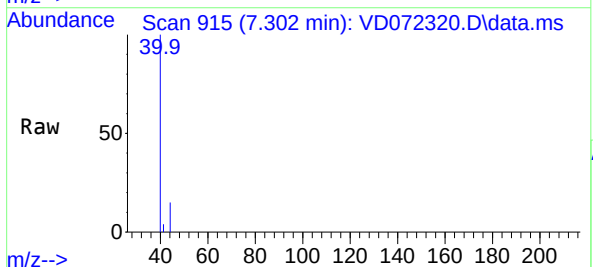
Instrument :
MSVOA_D
ClientSampleId :
G-4-3-6-7

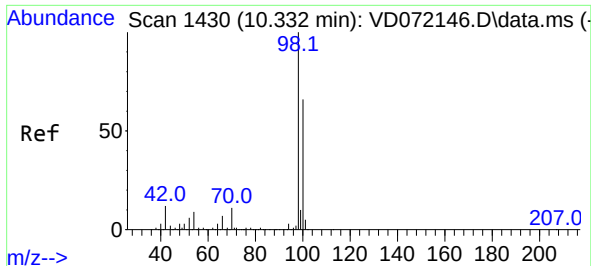
Tgt Ion:117 Resp: 2412
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#



#41
Methacrylonitrile
Concen: 1.184 ug/l
RT: 7.302 min Scan# 915
Delta R.T. -0.212 min
Lab File: VD072320.D
Acq: 19 Mar 2022 06:29

Tgt Ion: 41 Resp: 117
Ion Ratio Lower Upper
41 100
39 0.0 44.6 67.0#
67 0.0 48.2 72.4#
52 0.0 22.8 34.2#

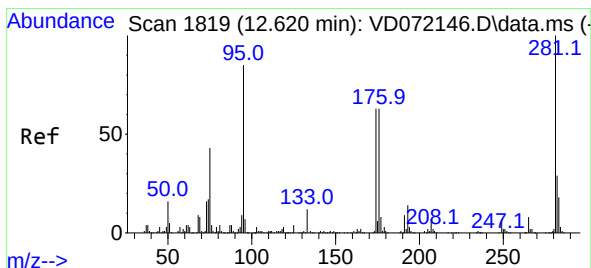
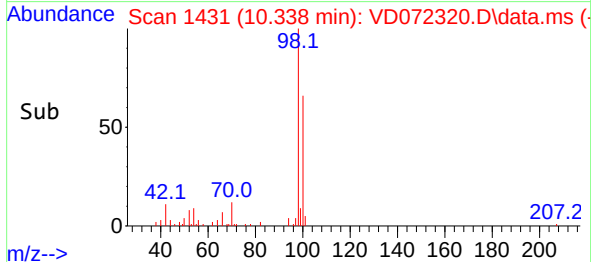
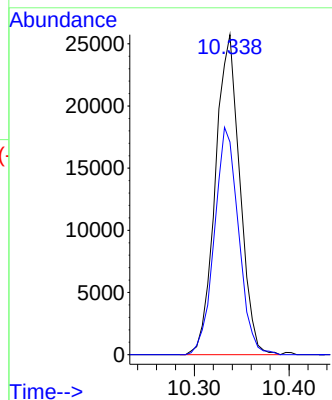
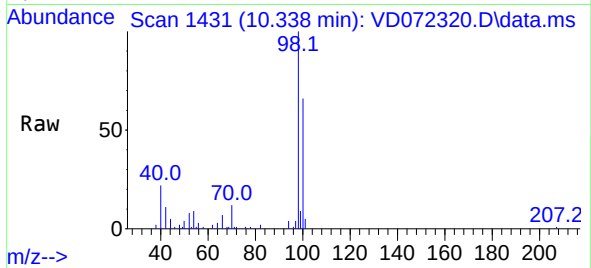




#50
Toluene-d8
Concen: 45.846 ug/l
RT: 10.338 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD072320.D
Acq: 19 Mar 2022 06:29

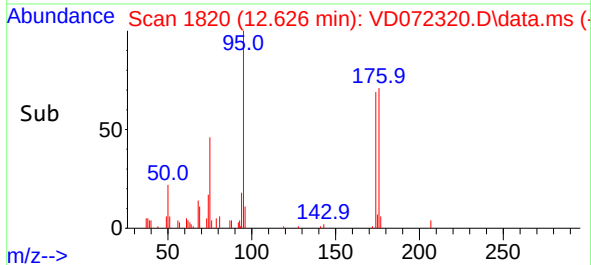
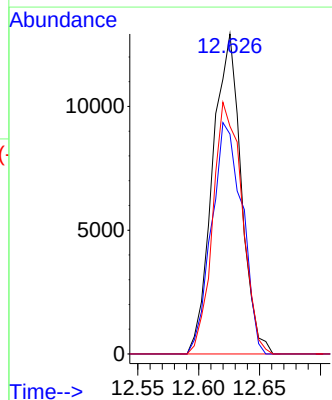
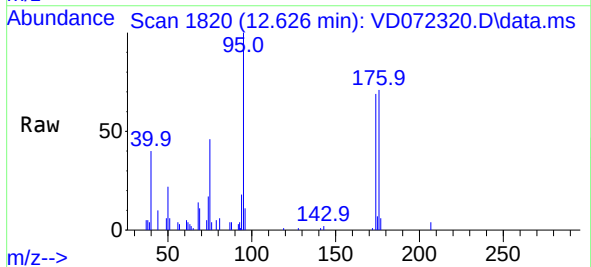
Instrument :
MSVOA_D
ClientSampleId :
G-4-3-6-7

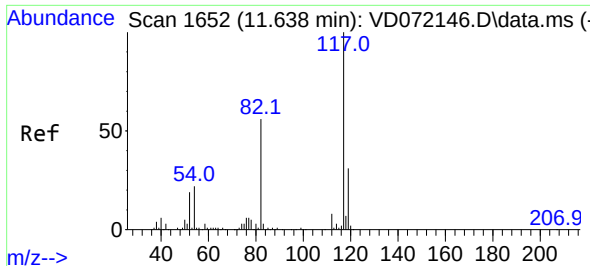
Tgt Ion: 98 Resp: 46266
Ion Ratio Lower Upper
98 100
100 70.3 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 53.684 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072320.D
Acq: 19 Mar 2022 06:29

Tgt Ion: 95 Resp: 21050
Ion Ratio Lower Upper
95 100
174 77.8 0.0 152.8
176 80.7 0.0 145.4

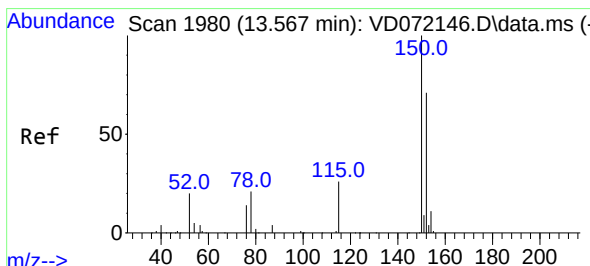
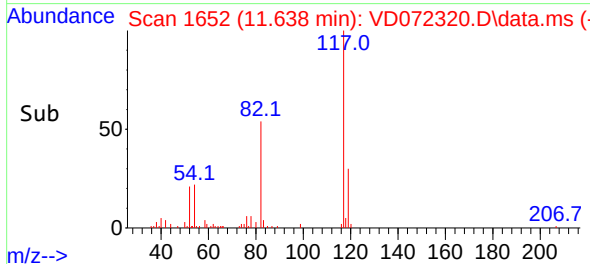
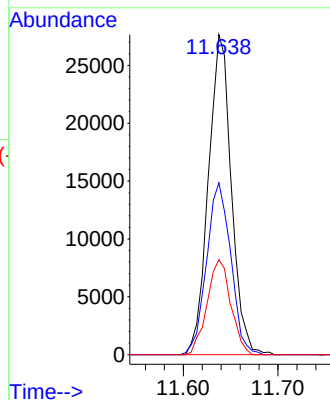
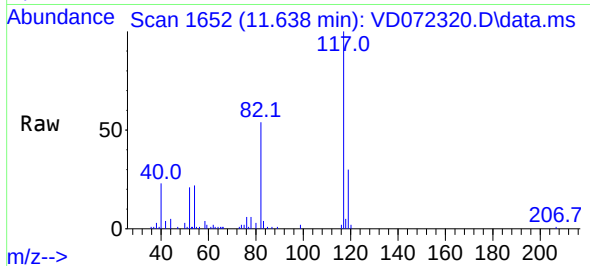




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD072320.D
Acq: 19 Mar 2022 06:29

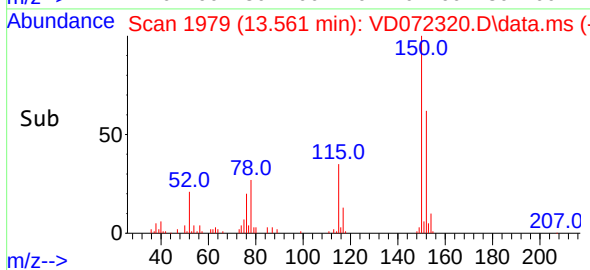
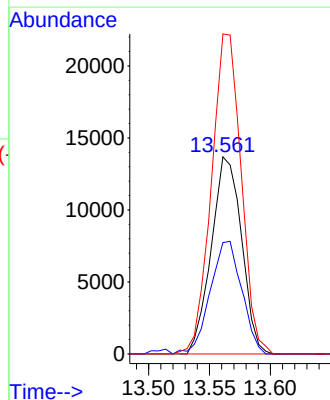
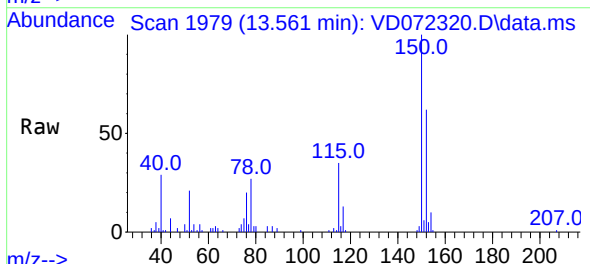
Instrument :
MSVOA_D
ClientSampleId :
G-4-3-6-7

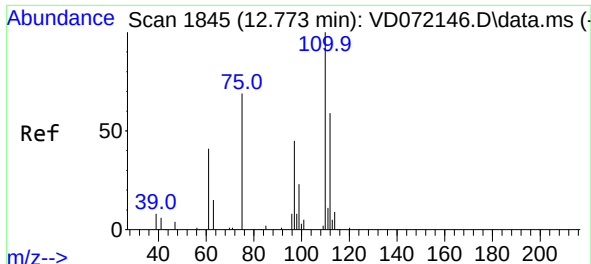
Tgt Ion:	117	Resp:	46624
Ion Ratio	Lower	Upper	
117	100		
82	53.7	45.3	67.9
119	29.7	26.6	40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072320.D
Acq: 19 Mar 2022 06:29

Tgt Ion:	152	Resp:	23635
Ion Ratio	Lower	Upper	
152	100		
115	59.5	31.3	93.8
150	159.6	0.0	348.6

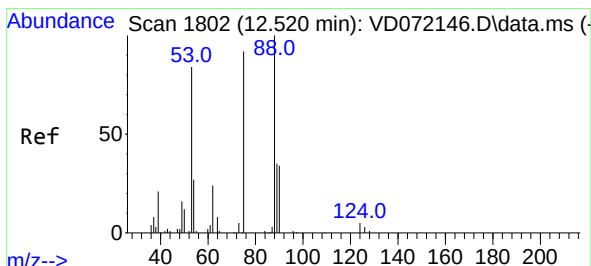
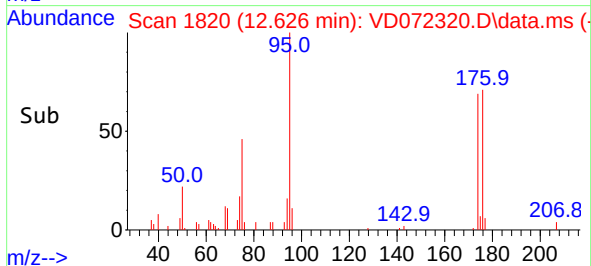
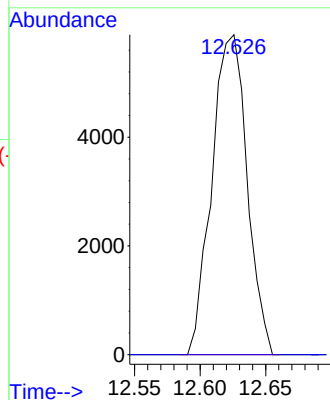
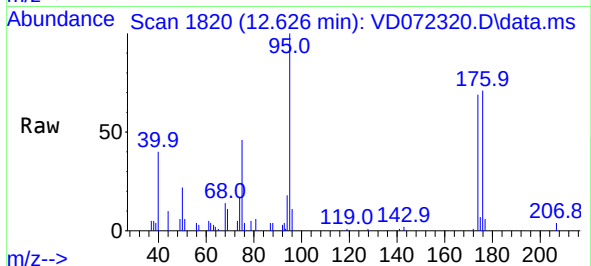




#76
1,2,3-Trichloropropane
Concen: 42.215 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072320.D
Acq: 19 Mar 2022 06:29

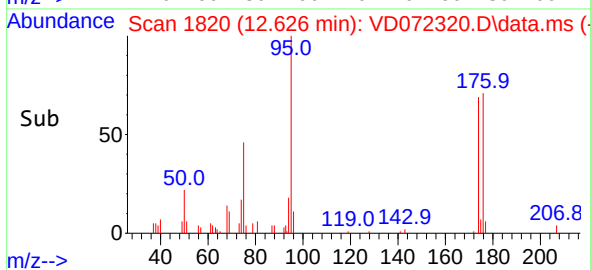
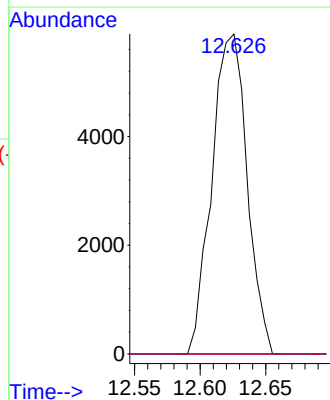
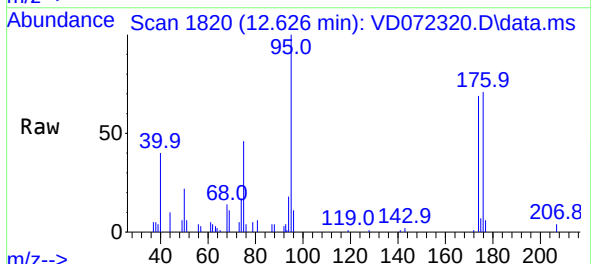
Instrument :
MSVOA_D
ClientSampleId :
G-4-3-6-7

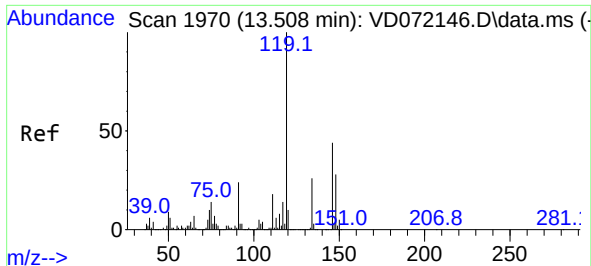
Tgt Ion: 75 Resp: 11006
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 104.739 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD072320.D
Acq: 19 Mar 2022 06:29

Tgt Ion: 75 Resp: 11006
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#

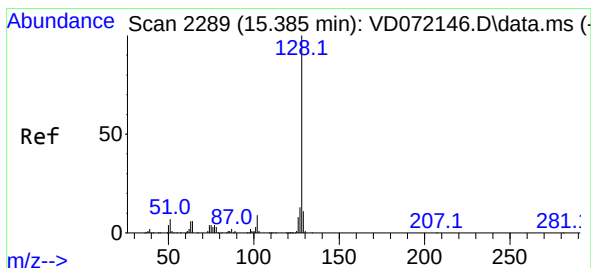
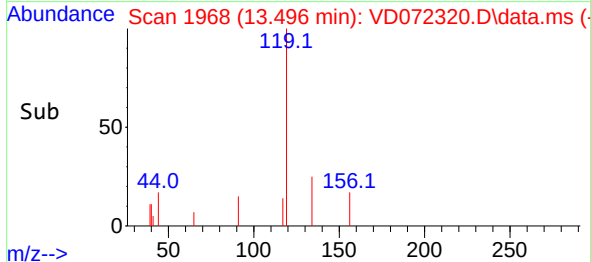
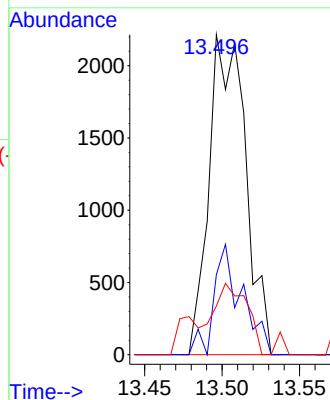
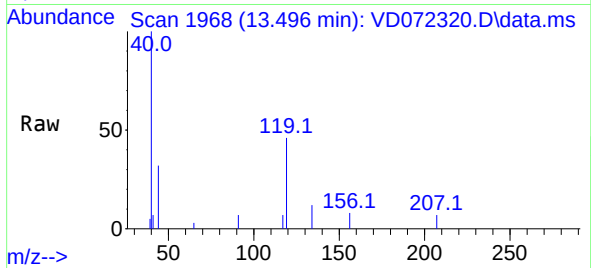




#86
p-Isopropyltoluene
Concen: 2.081 ug/l
RT: 13.496 min Scan# 1970
Delta R.T. -0.012 min
Lab File: VD072320.D
Acq: 19 Mar 2022 06:29

Instrument :
MSVOA_D
ClientSampleId :
G-4-3-6-7

Tgt Ion:	119	Resp:	3628
Ion	Ratio	Lower	Upper
119	100		
134	26.4	12.9	38.6
91	20.7	12.1	36.3



#95
Naphthalene
Concen: 8.371 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD072320.D
Acq: 19 Mar 2022 06:29

Tgt Ion:	128	Resp:	7359
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	12.9	8.4	12.6

