

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100621\
 Data File : VD070601.D
 Acq On : 06 Oct 2021 18:51
 Operator : VA/SY
 Sample : M4075-01
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-100521

Quant Time: Oct 07 07:02:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 09:10:31 2021
 Response via : Initial Calibration

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

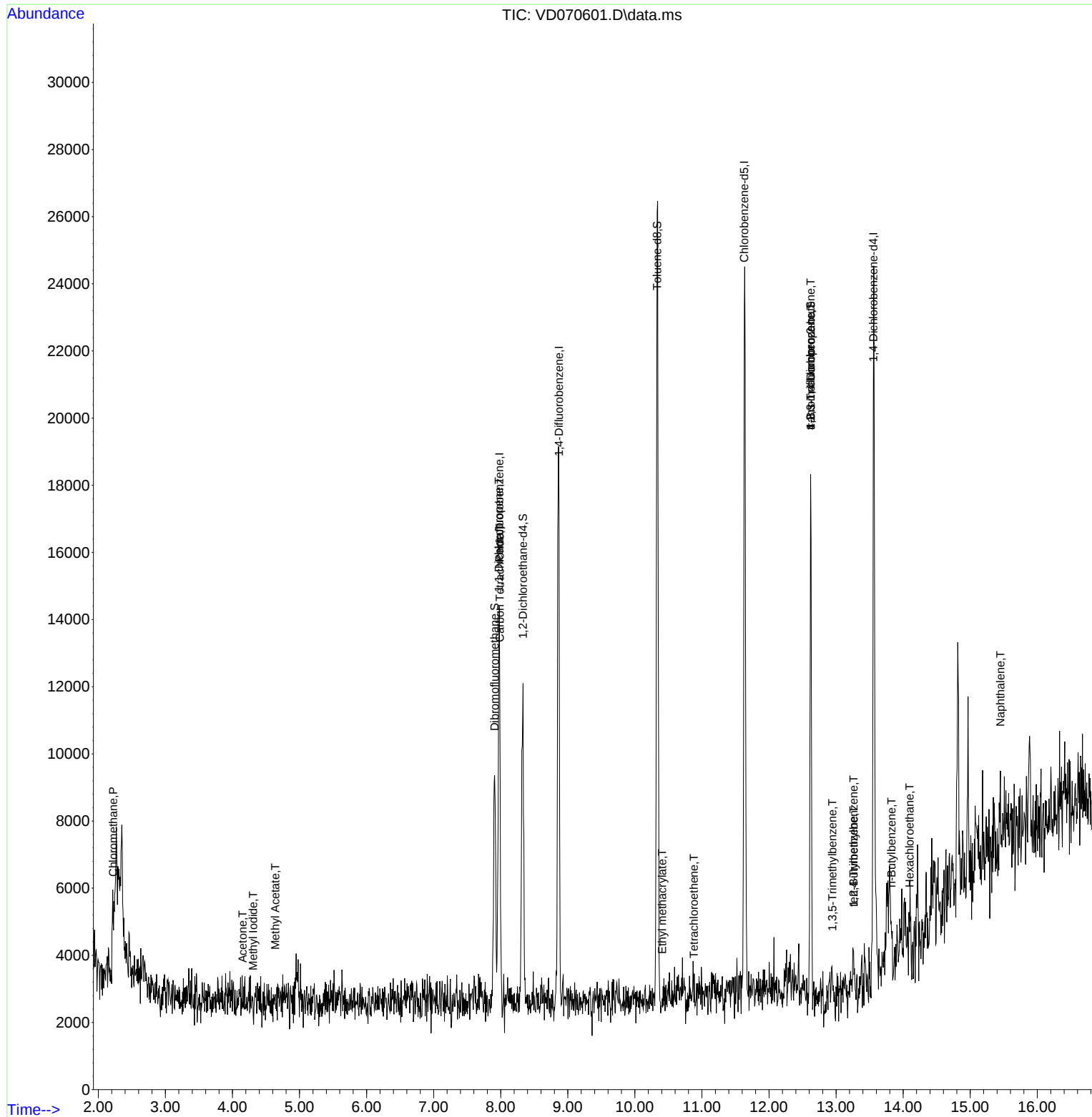
Internal Standards						
1) Pentafluorobenzene	7.979	168	9167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	14974	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	13746	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	6142	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	7555	70.030	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.060%	
35) Dibromofluoromethane	7.909	113	5323	53.467	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.940%	
50) Toluene-d8	10.332	98	18131	47.639	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 95.280%	
62) 4-Bromofluorobenzene	12.620	95	4848	38.113	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 76.220%	
Target Compounds						Qvalue
3) Chloromethane	2.221	50	260	1.873	ug/l #	49
5) Bromomethane	2.785	94	131	Below Cal	#	2
10) Methyl Iodide	4.309	142	55	1.171	ug/l #	38
16) Acetone	4.150	43	61	3.330	ug/l #	40
18) Methyl Acetate	4.638	43	76	1.075	ug/l #	47
20) Methylene Chloride	4.968	84	888	Below Cal	#	55
36) 1,1-Dichloropropene	7.973	75	382	2.402	ug/l #	42
38) Carbon Tetrachloride	7.985	117	398	2.391	ug/l #	12
56) Ethyl methacrylate	10.408	69	70	2.055	ug/l #	32
64) Tetrachloroethene	10.879	164	148	1.679	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	2494	44.863	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.944	105	742	1.943	ug/l #	53
81) trans-1,4-Dichloro-2-b...	12.620	75	2494	99.603	ug/l #	17
83) tert-Butylbenzene	13.261	119	333	1.055	ug/l #	26
84) 1,2,4-Trimethylbenzene	13.261	105	922	2.426	ug/l	92
89) n-Butylbenzene	13.826	91	402	1.054	ug/l #	75
90) Hexachloroethane	14.096	117	142	1.643	ug/l #	18
95) Naphthalene	15.449	128	67	2.817	ug/l #	1

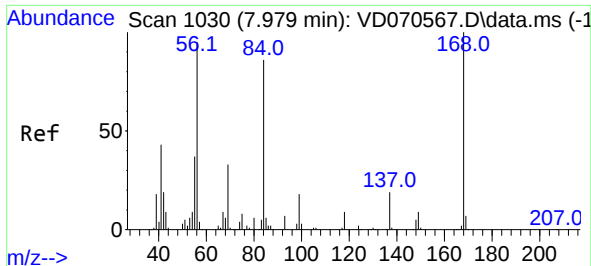
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

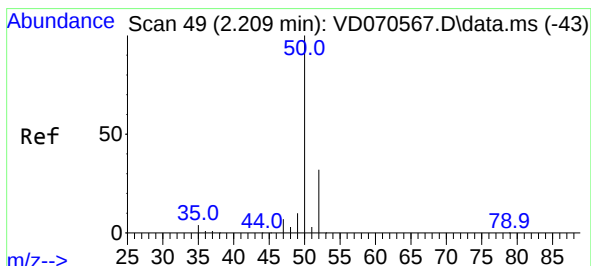
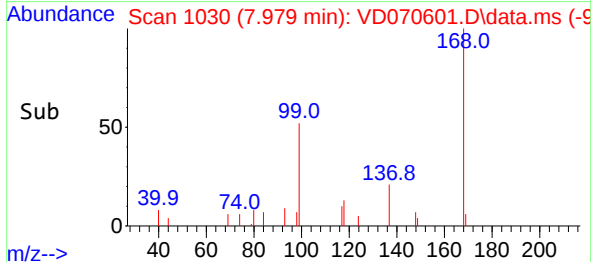
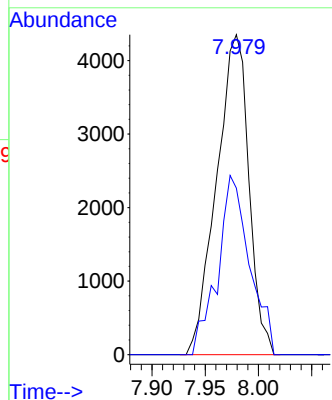
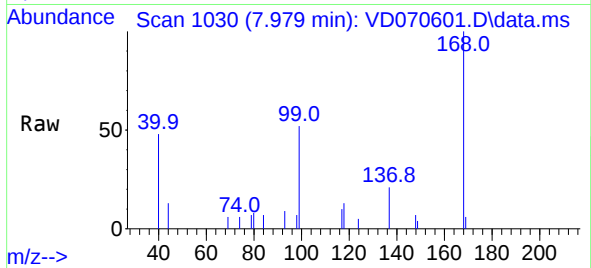




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070601.D
Acq: 06 Oct 2021 18:51

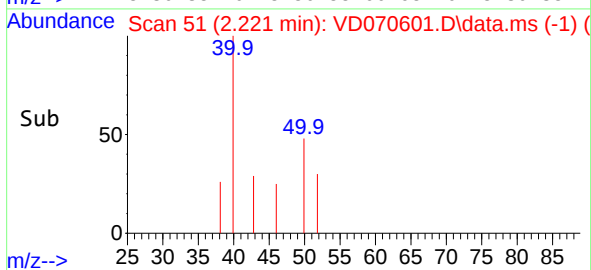
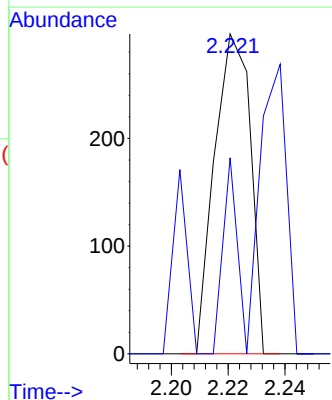
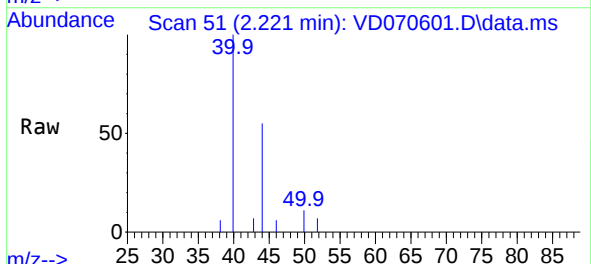
Instrument :
MSVOA_D
ClientSampleId :
OR-02-100521

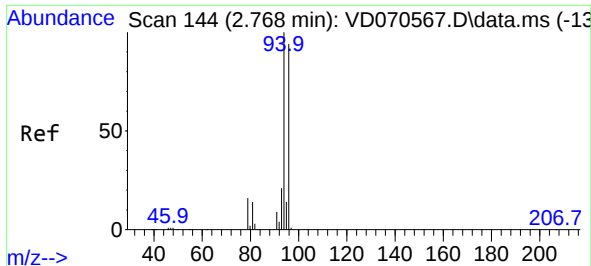
Tgt Ion:168 Resp: 9167
Ion Ratio Lower Upper
168 100
99 52.0 51.4 77.0



#3
Chloromethane
Concen: 1.873 ug/l
RT: 2.221 min Scan# 51
Delta R.T. 0.012 min
Lab File: VD070601.D
Acq: 06 Oct 2021 18:51

Tgt Ion: 50 Resp: 260
Ion Ratio Lower Upper
50 100
52 3.7 26.0 39.0#

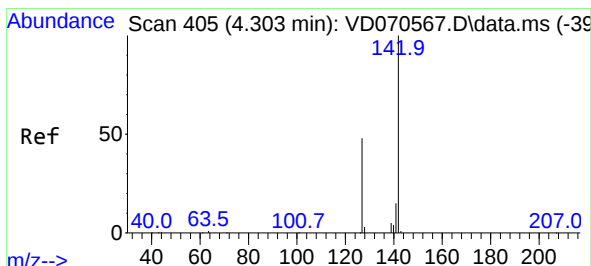
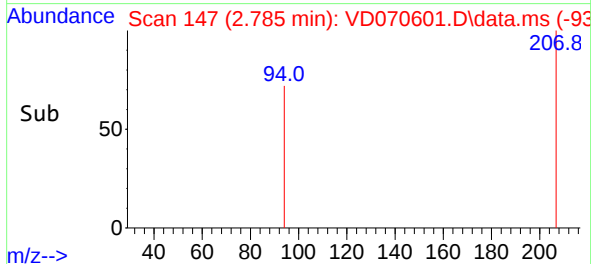
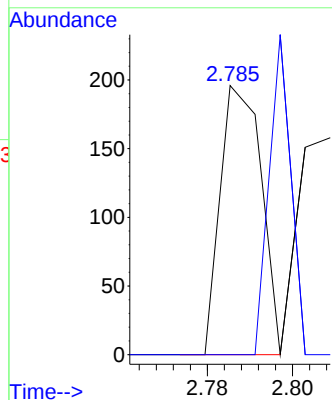
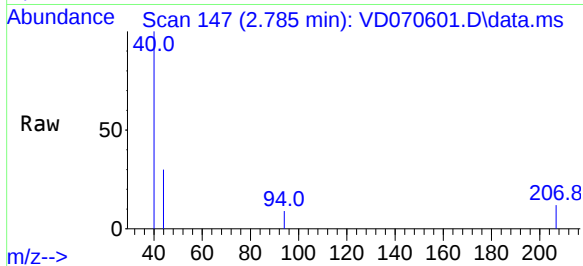




#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD070601.D
Acq: 06 Oct 2021 18:51

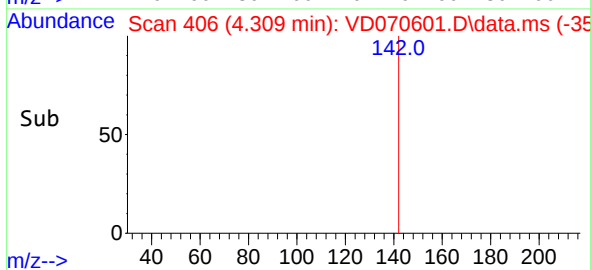
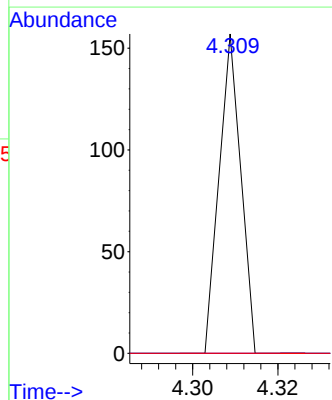
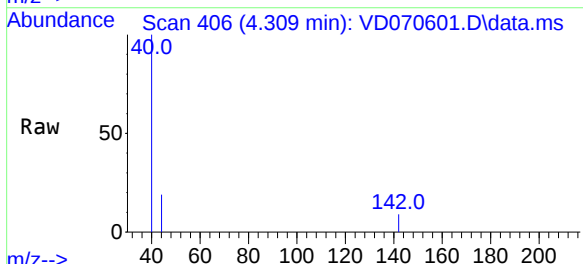
Instrument :
MSVOA_D
ClientSampleId :
OR-02-100521

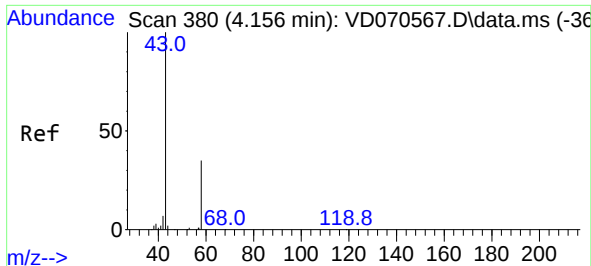
Tgt Ion: 94 Resp: 131
Ion Ratio Lower Upper
94 100
96 0.0 75.5 113.3#



#10
Methyl Iodide
Concen: 1.171 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD070601.D
Acq: 06 Oct 2021 18:51

Tgt Ion:142 Resp: 55
Ion Ratio Lower Upper
142 100
127 0.0 37.5 56.3#
141 0.0 12.1 18.1#

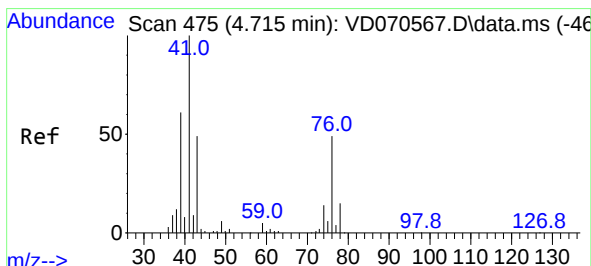
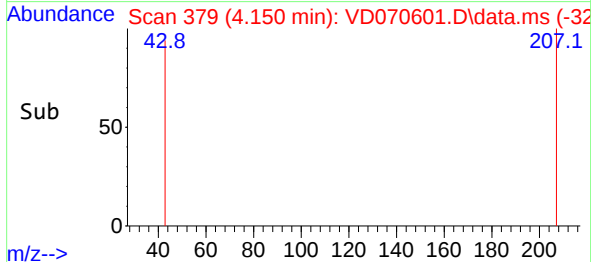
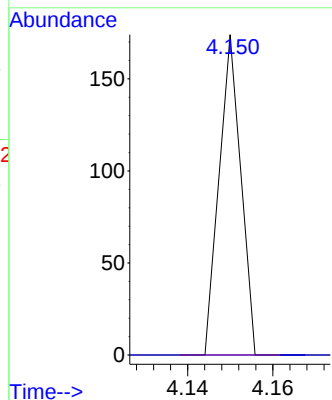
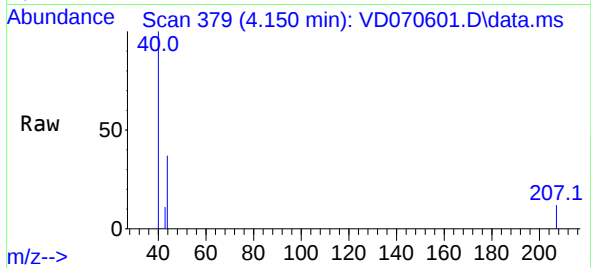




#16
Acetone
Concen: 3.330 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070601.D
Acq: 06 Oct 2021 18:51

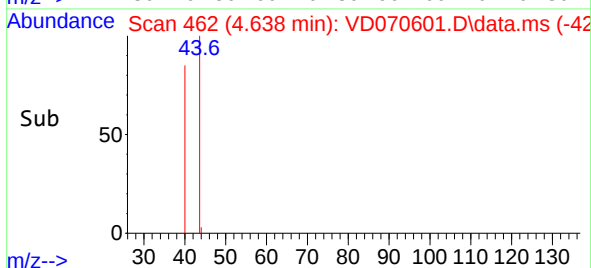
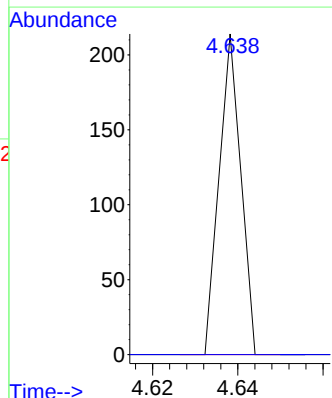
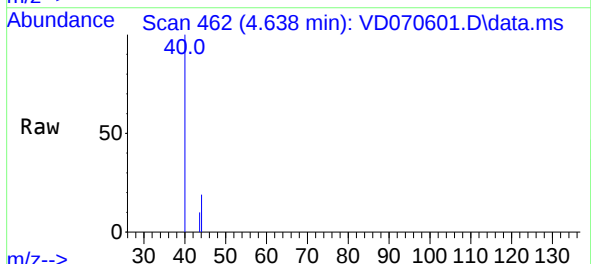
Instrument :
MSVOA_D
ClientSampleId :
OR-02-100521

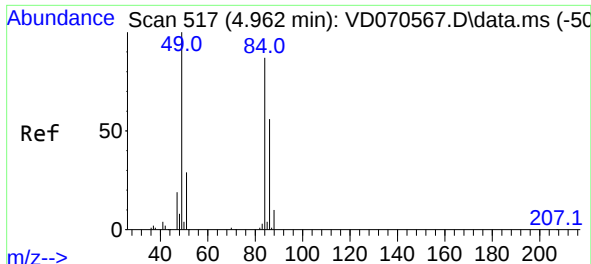
Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.2#



#18
Methyl Acetate
Concen: 1.075 ug/l
RT: 4.638 min Scan# 462
Delta R.T. -0.076 min
Lab File: VD070601.D
Acq: 06 Oct 2021 18:51

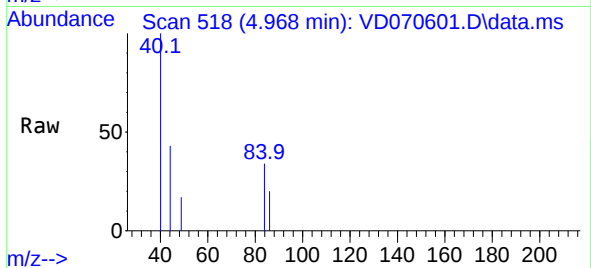
Tgt Ion: 43 Resp: 76
Ion Ratio Lower Upper
43 100
74 0.0 22.6 33.8#



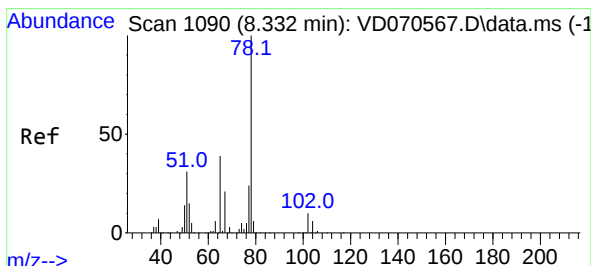
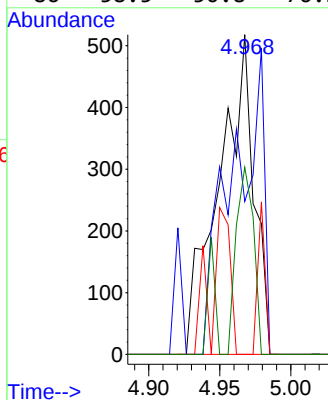
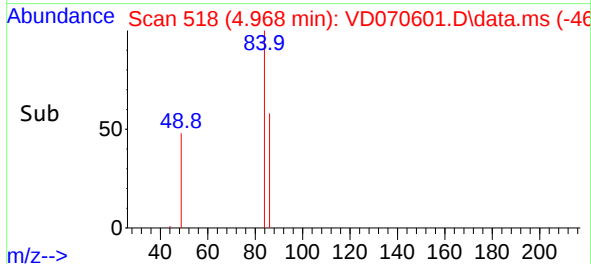


#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD070601.D
Acq: 06 Oct 2021 18:51

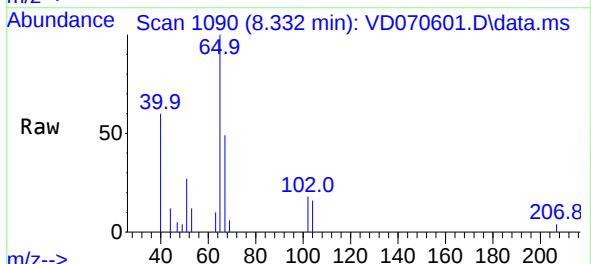
Instrument :
MSVOA_D
ClientSampleId :
OR-02-100521



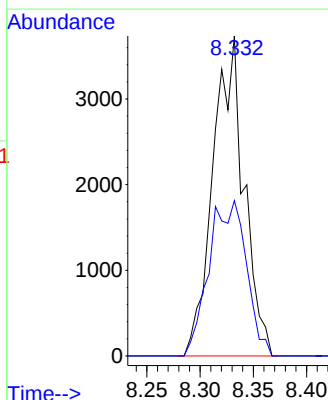
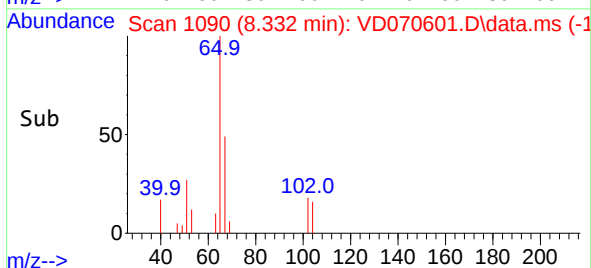
Tgt Ion: 84 Resp: 888
Ion Ratio Lower Upper
84 100
49 47.9 91.4 137.2#
51 0.0 26.7 40.1#
86 58.5 50.8 76.2

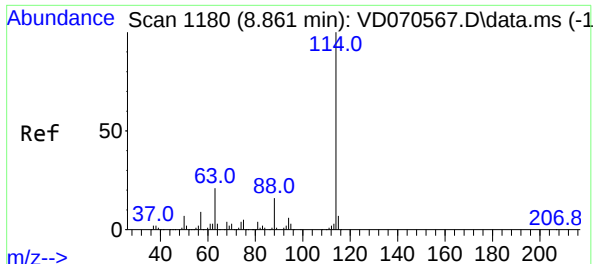


#33
1,2-Dichloroethane-d4
Concen: 70.030 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD070601.D
Acq: 06 Oct 2021 18:51



Tgt Ion: 65 Resp: 7555
Ion Ratio Lower Upper
65 100
67 58.5 0.0 110.2



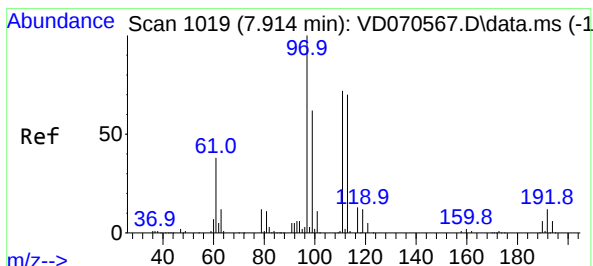
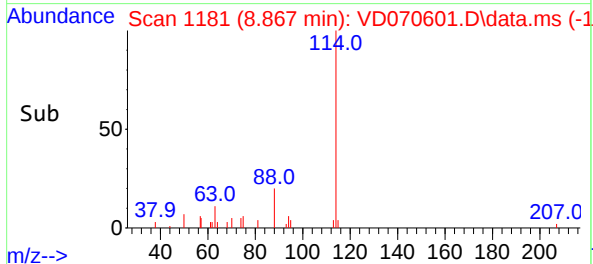
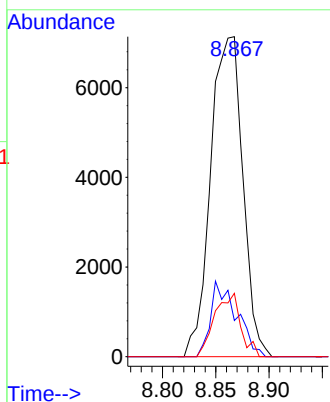
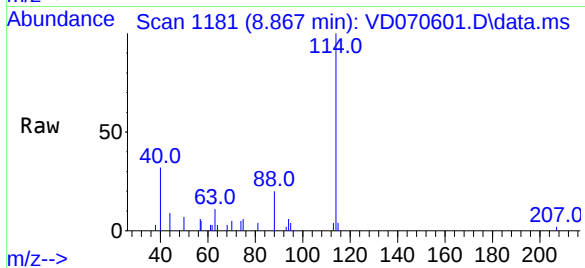


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.006 min
Lab File: VD070601.D
Acq: 06 Oct 2021 18:51

Instrument :
MSVOA_D
ClientSampleId :
OR-02-100521

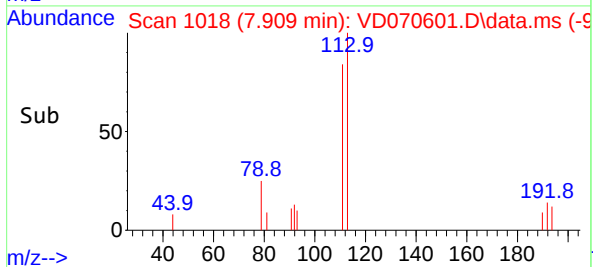
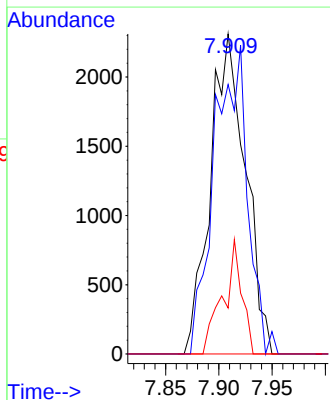
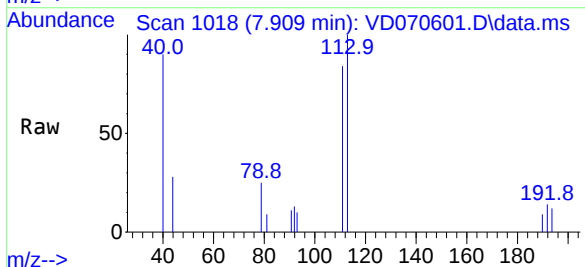
Tgt Ion:	114	Resp:	14974
Ion	Ratio	Lower	Upper
114	100		
63	11.3	0.0	41.8
88	19.8	0.0	32.6

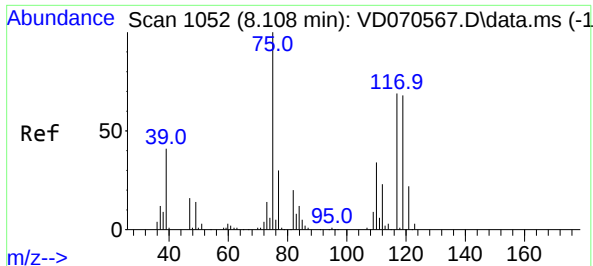


#35

Dibromofluoromethane
Concen: 53.467 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070601.D
Acq: 06 Oct 2021 18:51

Tgt Ion:	113	Resp:	5323
Ion	Ratio	Lower	Upper
113	100		
111	91.3	83.1	124.7
192	19.1	12.7	19.1

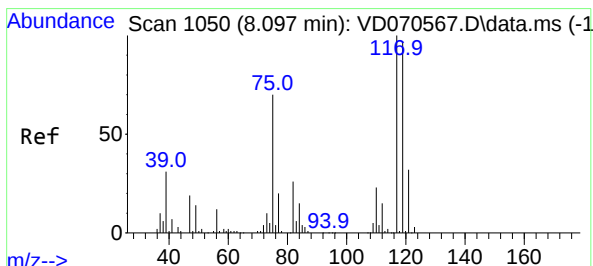
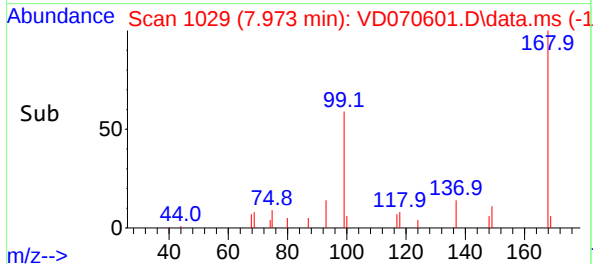
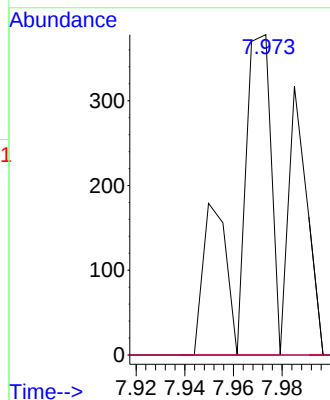
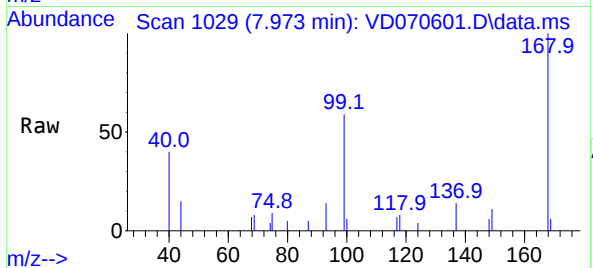




#36
1,1-Dichloropropene
Concen: 2.402 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070601.D
Acq: 06 Oct 2021 18:51

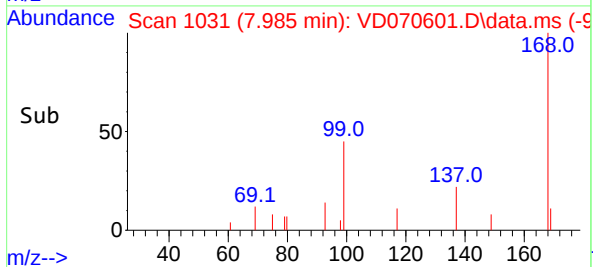
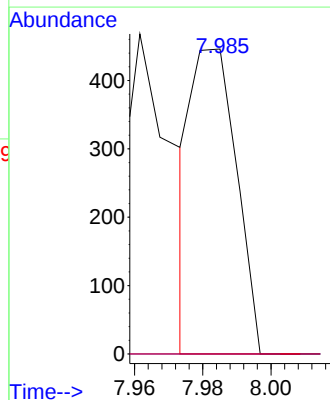
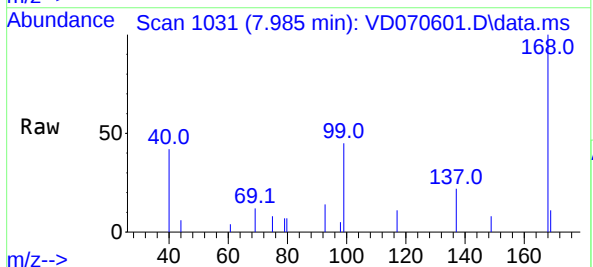
Instrument :
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OR-02-100521

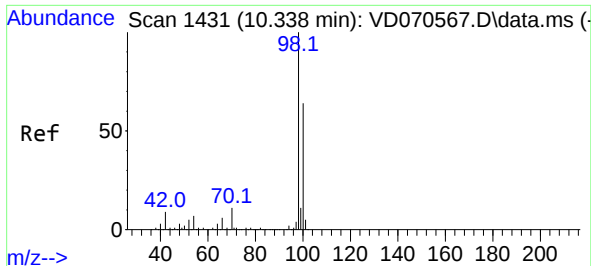
Tgt Ion: 75 Resp: 382
Ion Ratio Lower Upper
75 100
110 0.0 17.2 51.6#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 2.391 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD070601.D
Acq: 06 Oct 2021 18:51

Tgt Ion: 117 Resp: 398
Ion Ratio Lower Upper
117 100
119 0.0 77.4 116.0#
121 0.0 25.4 38.0#

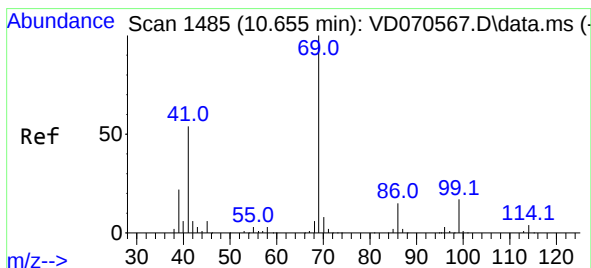
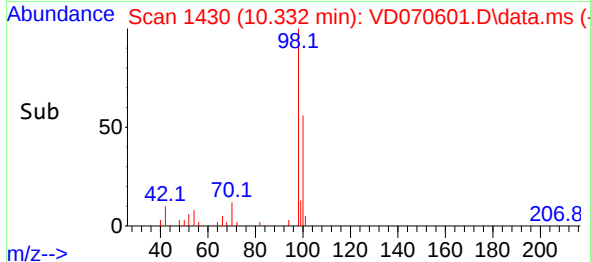
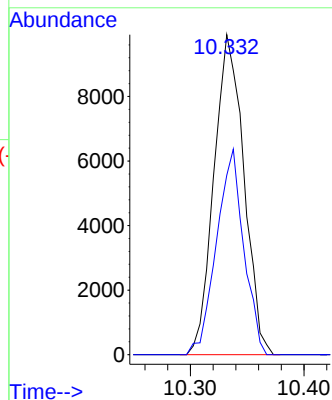
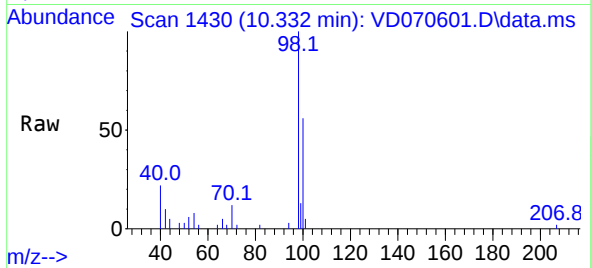




#50
Toluene-d8
Concen: 47.639 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070601.D
Acq: 06 Oct 2021 18:51

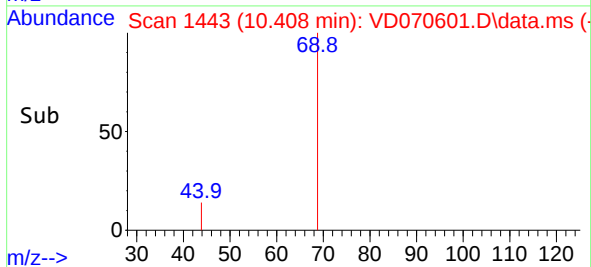
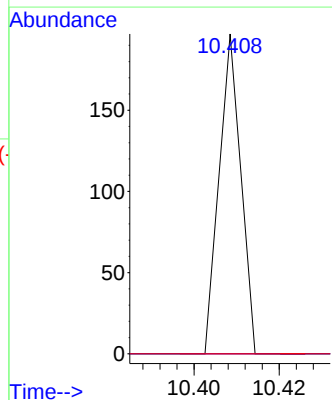
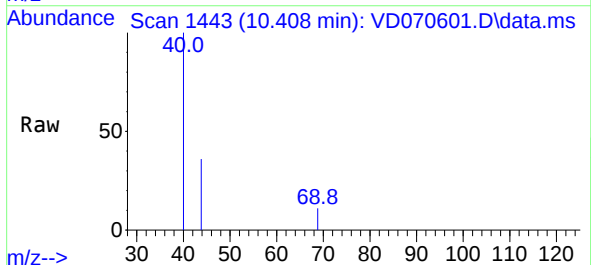
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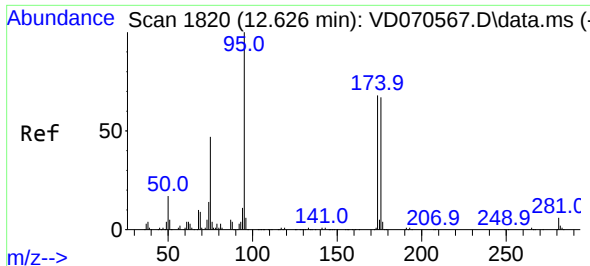
Tgt Ion: 98 Resp: 18131
Ion Ratio Lower Upper
98 100
100 58.5 52.2 78.4



#56
Ethyl methacrylate
Concen: 2.055 ug/l
RT: 10.408 min Scan# 1443
Delta R.T. -0.247 min
Lab File: VD070601.D
Acq: 06 Oct 2021 18:51

Tgt Ion: 69 Resp: 70
Ion Ratio Lower Upper
69 100
41 0.0 44.7 67.1#
39 0.0 19.5 29.3#

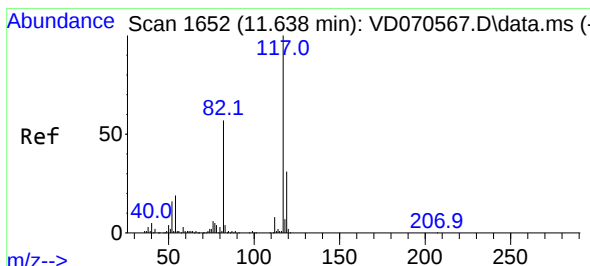
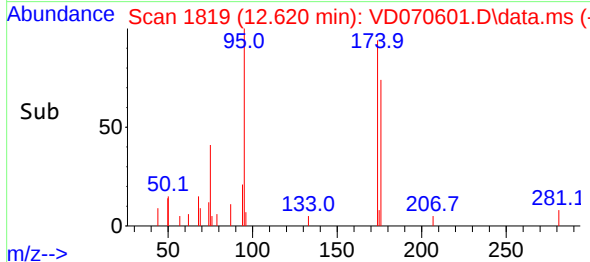
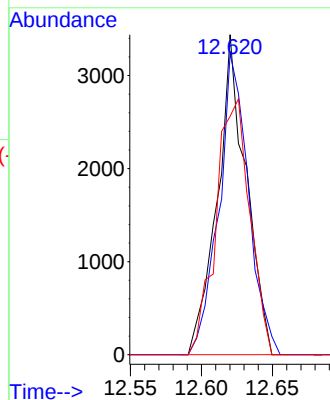
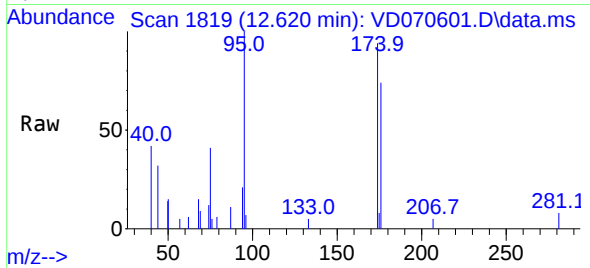




#62
4-Bromofluorobenzene
Concen: 38.113 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070601.D
Acq: 06 Oct 2021 18:51

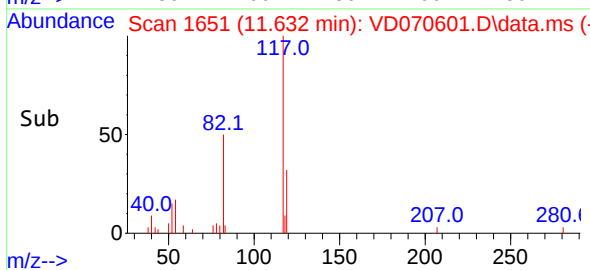
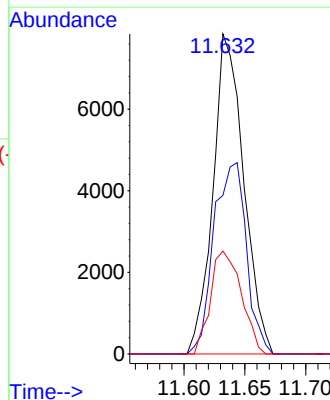
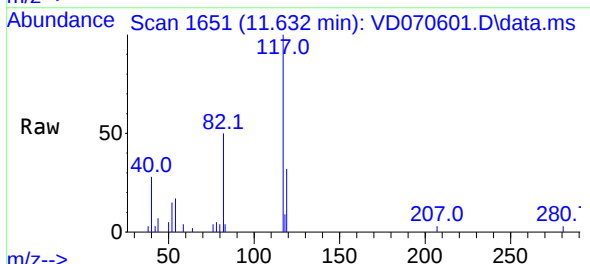
Instrument :
MSVOA_D
ClientSampleId :
OR-02-100521

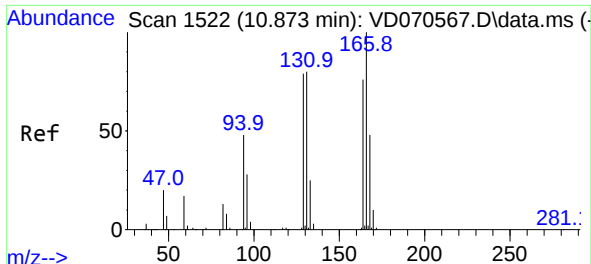
Tgt Ion:	95	Resp:	4848
Ion	Ratio	Lower	Upper
95	100		
174	96.8	0.0	138.0
176	93.9	0.0	135.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD070601.D
Acq: 06 Oct 2021 18:51

Tgt Ion:	117	Resp:	13746
Ion	Ratio	Lower	Upper
117	100		
82	49.6	45.4	68.2
119	32.2	24.7	37.1



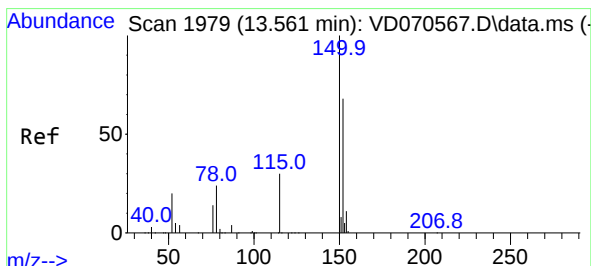
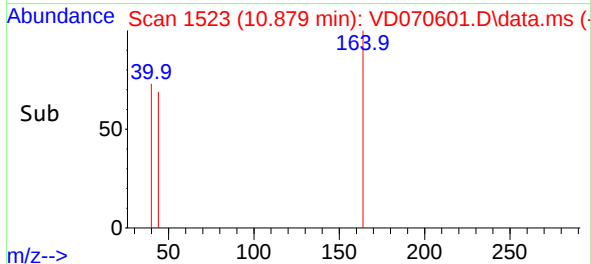
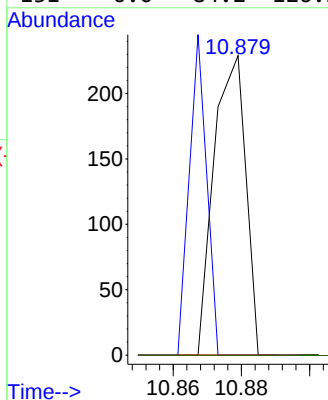
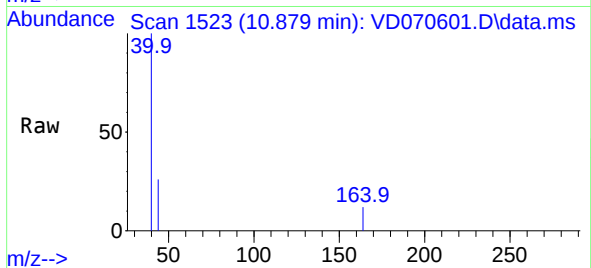


#64
Tetrachloroethene
Concen: 1.679 ug/l
RT: 10.879 min Scan# 1523
Delta R.T. 0.006 min
Lab File: VD070601.D
Acq: 06 Oct 2021 18:51

Instrument :
MSVOA_D
ClientSampleId :
OR-02-100521

Tgt Ion:164 Resp: 148

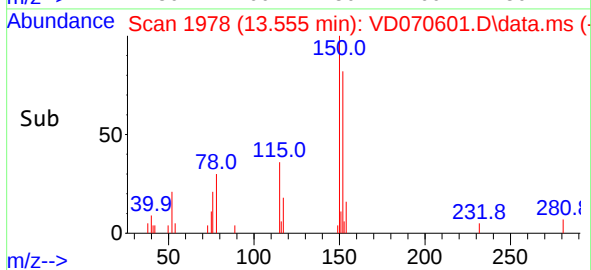
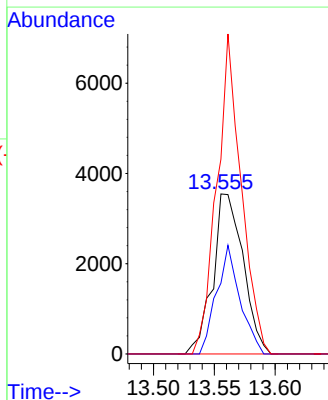
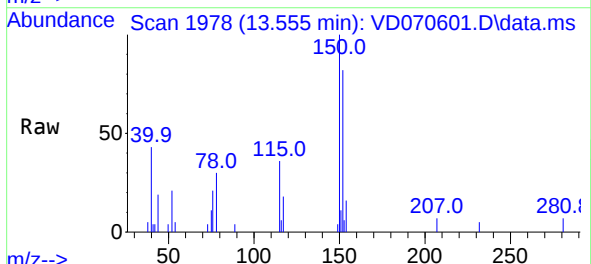
Ion	Ratio	Lower	Upper
164	100		
166	0.0	105.8	158.6#
129	0.0	83.8	125.6#
131	0.0	84.2	126.2#

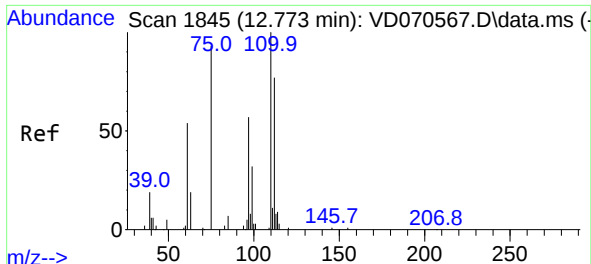


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1978
Delta R.T. -0.006 min
Lab File: VD070601.D
Acq: 06 Oct 2021 18:51

Tgt Ion:152 Resp: 6142

Ion	Ratio	Lower	Upper
152	100		
115	52.5	31.9	95.7
150	161.6	0.0	350.0

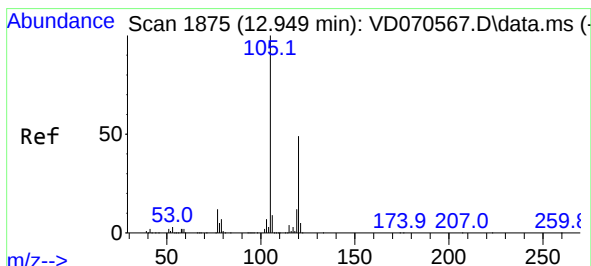
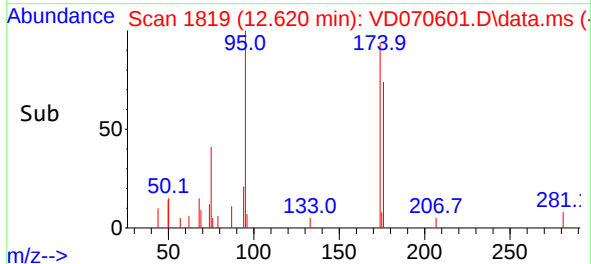
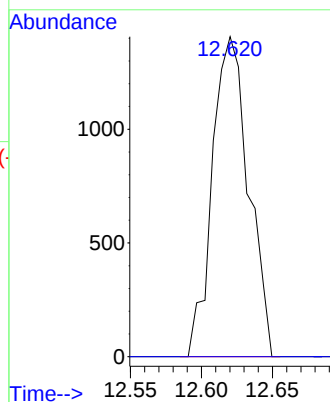
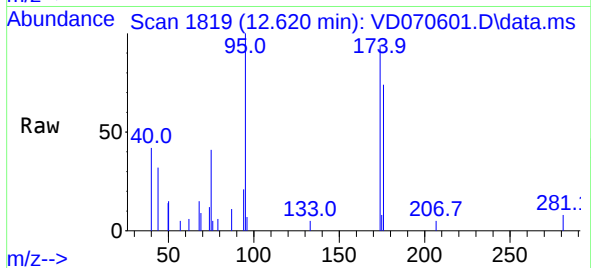




#76
1,2,3-Trichloropropane
Concen: 44.863 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070601.D
Acq: 06 Oct 2021 18:51

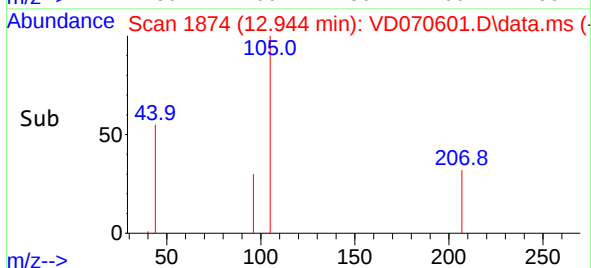
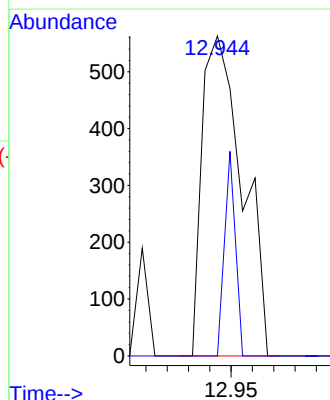
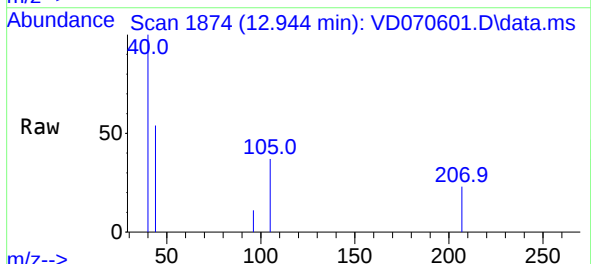
Instrument :
MSVOA_D
ClientSampleId :
OR-02-100521

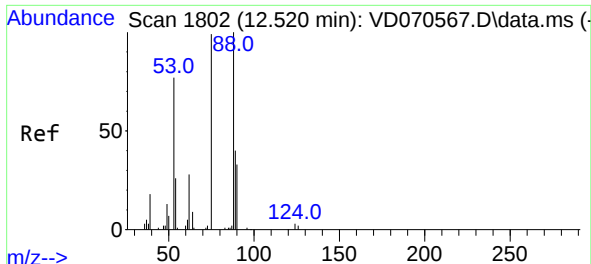
Tgt Ion: 75 Resp: 2494
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#80
1,3,5-Trimethylbenzene
Concen: 1.943 ug/l
RT: 12.944 min Scan# 1874
Delta R.T. -0.006 min
Lab File: VD070601.D
Acq: 06 Oct 2021 18:51

Tgt Ion: 105 Resp: 742
Ion Ratio Lower Upper
105 100
120 17.1 24.4 73.2#

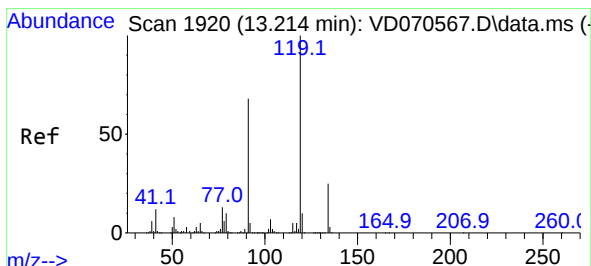
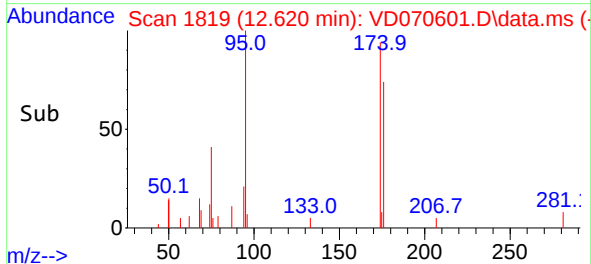
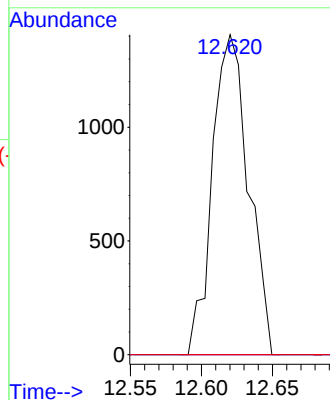
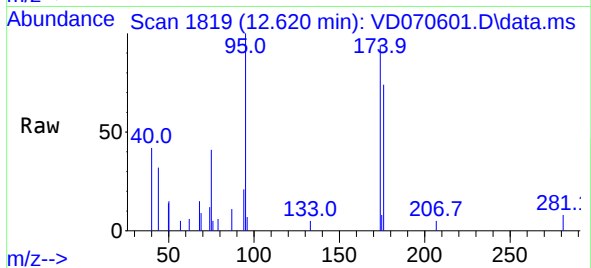




#81
trans-1,4-Dichloro-2-butene
Concen: 99.603 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070601.D
Acq: 06 Oct 2021 18:51

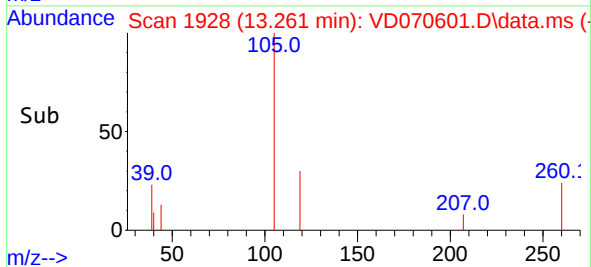
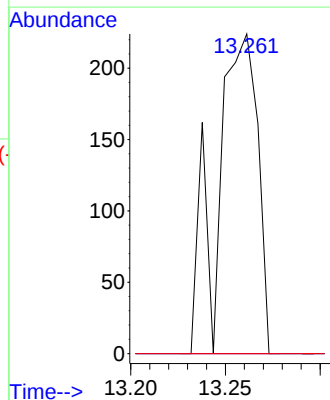
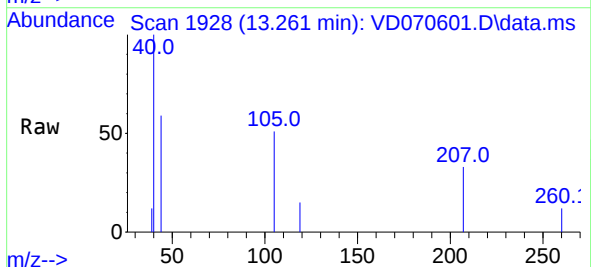
Instrument :
MSVOA_D
ClientSampleId :
OR-02-100521

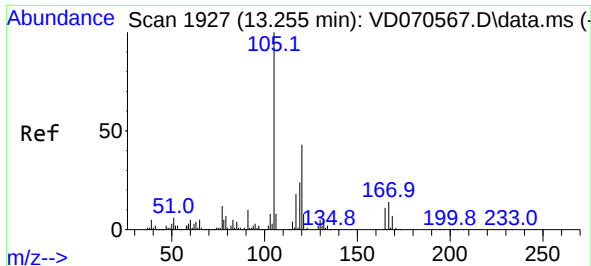
Tgt Ion: 75 Resp: 2494
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 0.0 35.3 52.9#



#83
tert-Butylbenzene
Concen: 1.055 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. 0.047 min
Lab File: VD070601.D
Acq: 06 Oct 2021 18:51

Tgt Ion: 119 Resp: 333
Ion Ratio Lower Upper
119 100
91 0.0 33.1 99.3#
134 0.0 13.2 39.5#

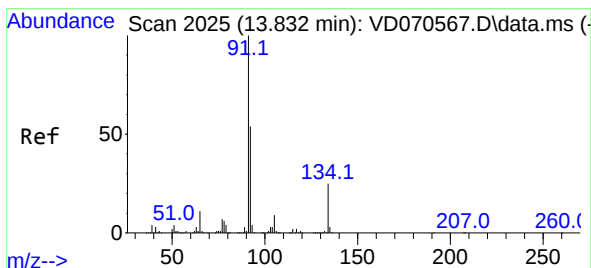
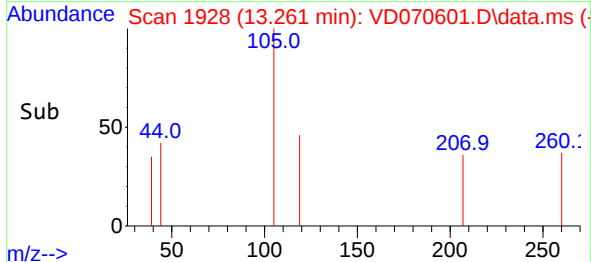
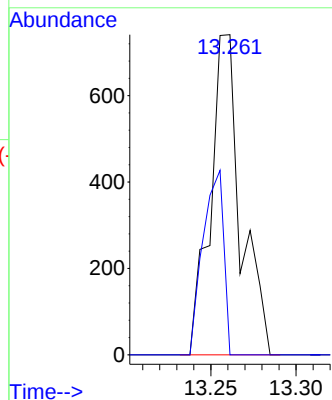
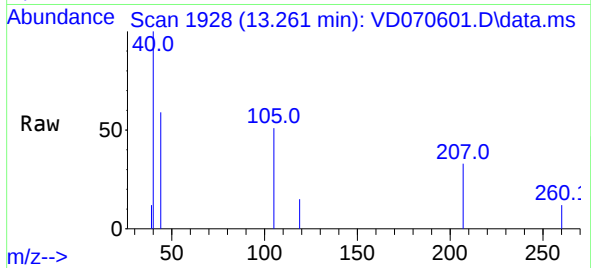




#84
1,2,4-Trimethylbenzene
Concen: 2.426 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. 0.006 min
Lab File: VD070601.D
Acq: 06 Oct 2021 18:51

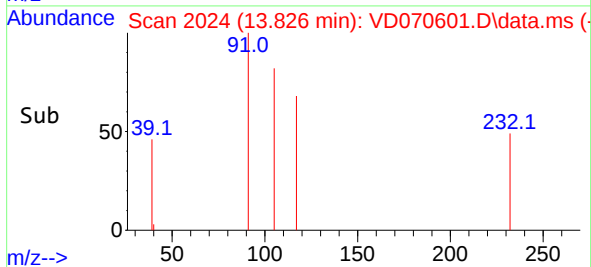
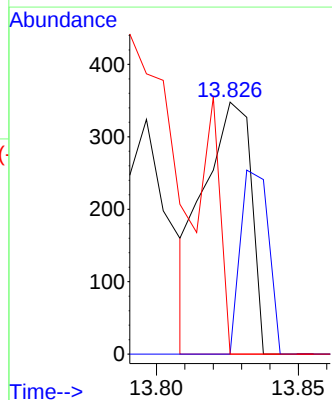
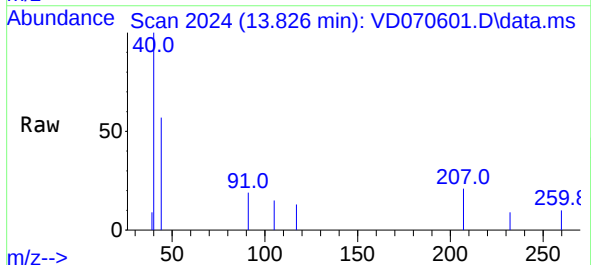
Instrument :
MSVOA_D
ClientSampleId :
OR-02-100521

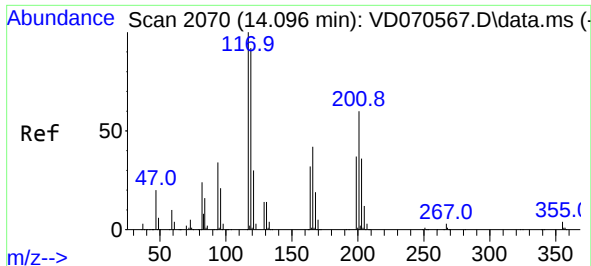
Tgt Ion:105 Resp: 922
Ion Ratio Lower Upper
105 100
120 39.0 21.9 65.8



#89
n-Butylbenzene
Concen: 1.054 ug/l
RT: 13.826 min Scan# 2024
Delta R.T. -0.006 min
Lab File: VD070601.D
Acq: 06 Oct 2021 18:51

Tgt Ion: 91 Resp: 402
Ion Ratio Lower Upper
91 100
92 43.5 26.8 80.4
134 0.0 12.2 36.4#

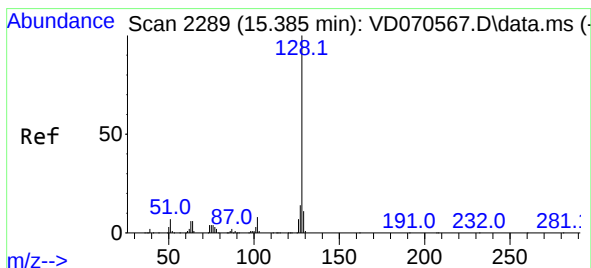
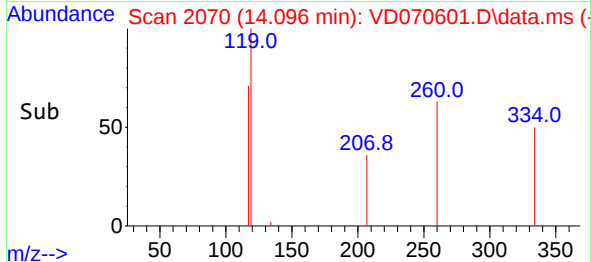
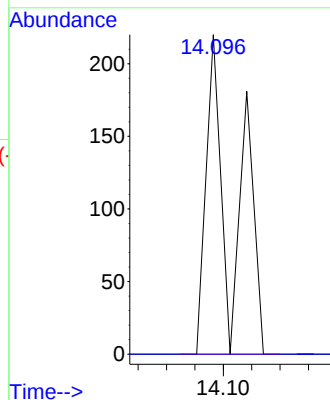
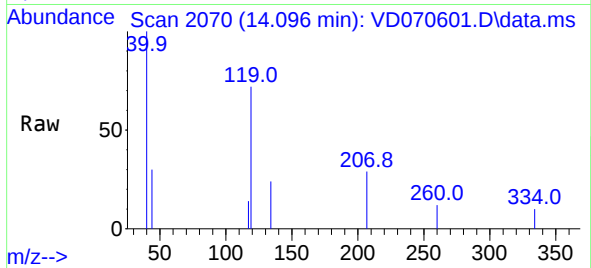




#90
Hexachloroethane
Concen: 1.643 ug/l
RT: 14.096 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VD070601.D
Acq: 06 Oct 2021 18:51

Instrument :
MSVOA_D
ClientSampleId :
OR-02-100521

Tgt Ion:117 Resp: 142
Ion Ratio Lower Upper
117 100
201 0.0 31.9 95.9#



#95
Naphthalene
Concen: 2.817 ug/l
RT: 15.449 min Scan# 2300
Delta R.T. 0.064 min
Lab File: VD070601.D
Acq: 06 Oct 2021 18:51

Tgt Ion:128 Resp: 67
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 147.8 8.6 12.8#

