

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092421\
 Data File : VD070451.D
 Acq On : 24 Sep 2021 13:32
 Operator : VA/SY
 Sample : M3921-01
 Misc : 6.45G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 25 03:08:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

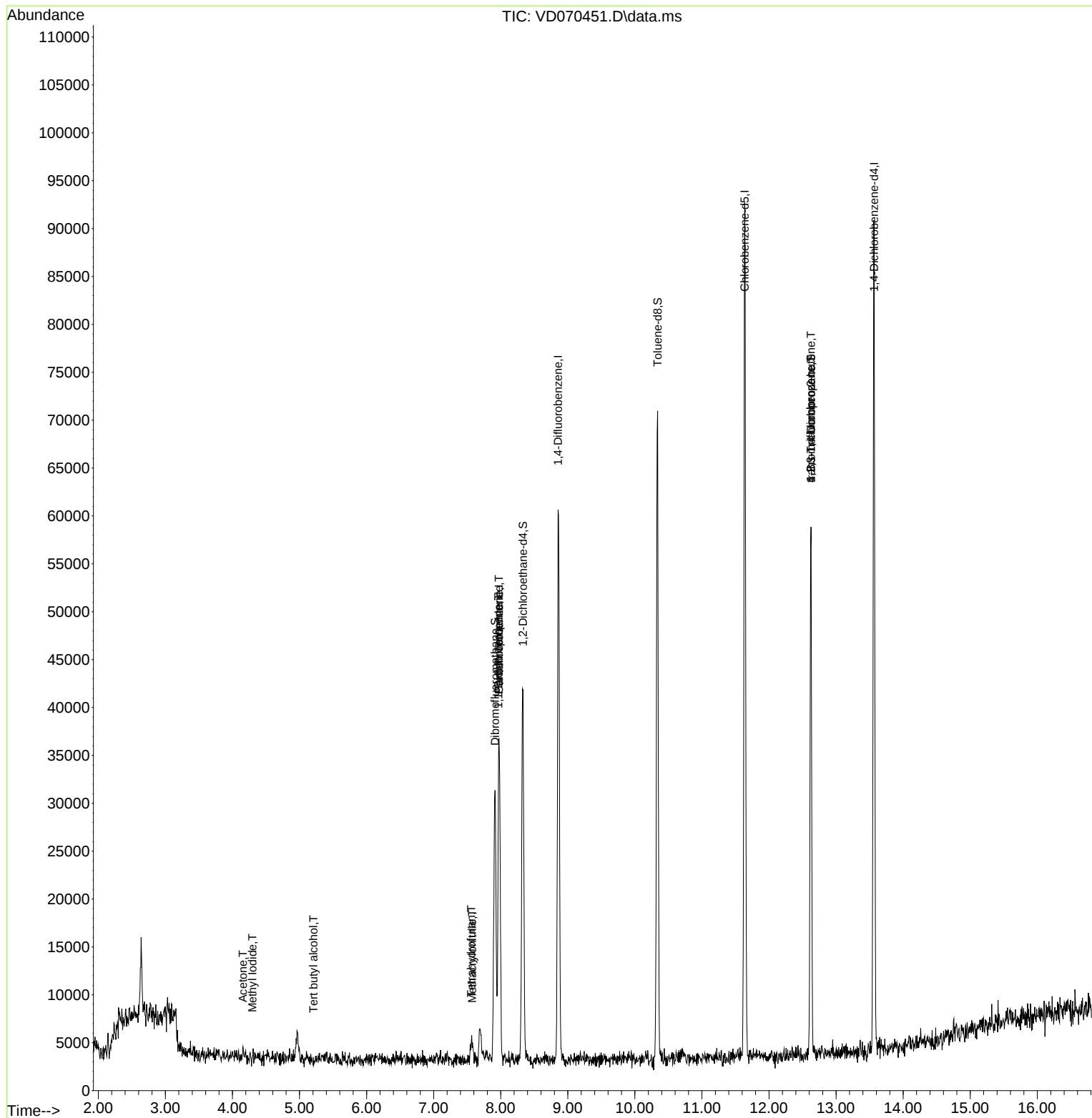
Internal Standards						
1) Pentafluorobenzene	7.973	168	25392	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	49534	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	55191	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	24891	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	31342	96.130	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 192.260%#			
35) Dibromofluoromethane	7.914	113	21432	60.785	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 121.560%			
50) Toluene-d8	10.338	98	49348	38.548	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 77.100%			
62) 4-Bromofluorobenzene	12.626	95	18151	40.570	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 81.140%			
Target Compounds						
3) Chloromethane	2.209	50	407	Below Cal	#	42
5) Bromomethane	2.785	94	1052	Below Cal	#	35
6) Chloroethane	2.885	64	55	Below Cal	#	43
10) Methyl Iodide	4.297	142	324	2.039	ug/l #	39
11) Tert butyl alcohol	5.209	59	89	2.414	ug/l #	100
16) Acetone	4.156	43	729	12.524	ug/l #	36
20) Methylene Chloride	4.968	84	2064	Below Cal	#	72
29) Tetrahydrofuran	7.562	42	1734	34.861	ug/l #	64
36) 1,1-Dichloropropene	7.967	75	2313	4.369	ug/l #	41
38) Carbon Tetrachloride	7.973	117	2764	5.279	ug/l #	12
41) Methacrylonitrile	7.573	41	897	8.611	ug/l #	25
76) 1,2,3-Trichloropropane	12.626	75	9143	36.314	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	9143	90.988	ug/l #	17

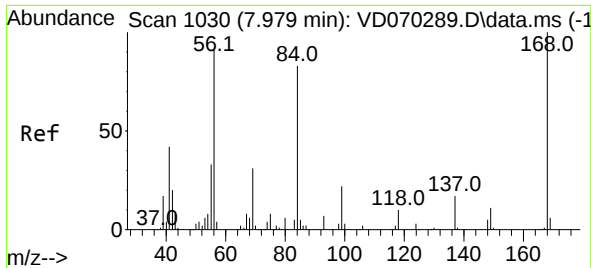
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 25 03:08:10 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 09 03:07:09 2021
Response via : Initial Calibration

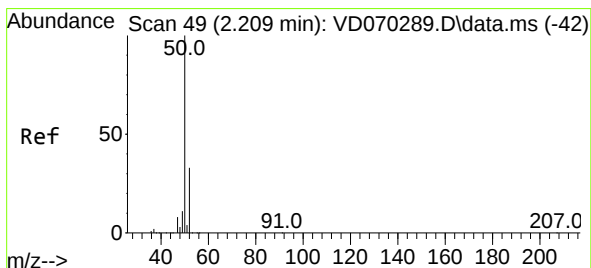
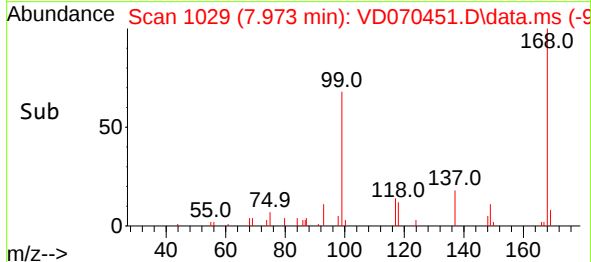
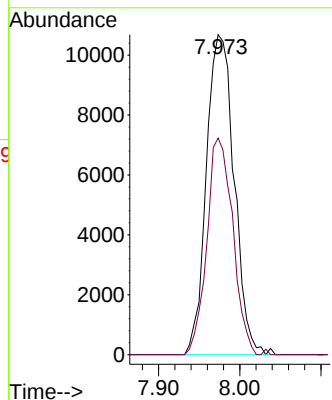
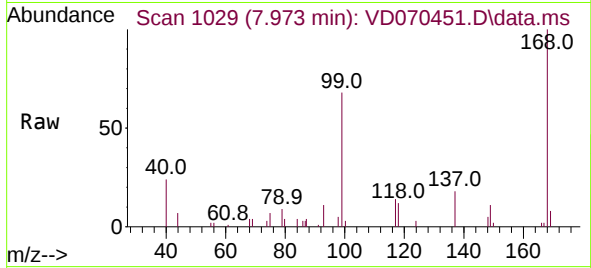




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070451.D
Acq: 24 Sep 2021 13:32

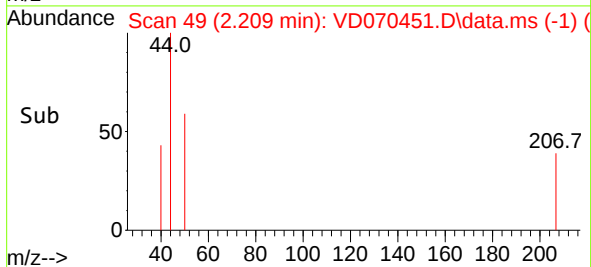
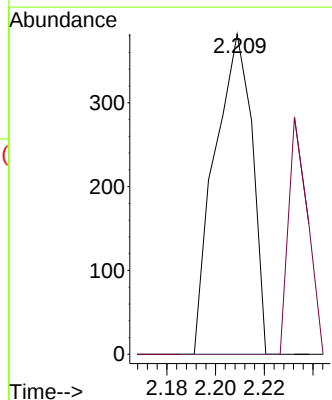
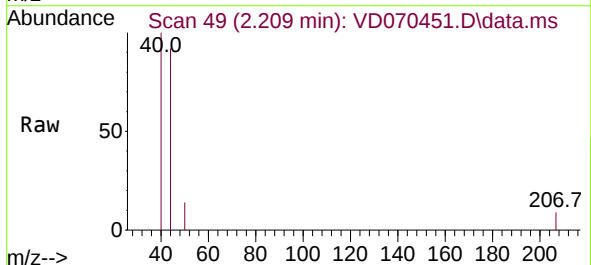
Instrument :
MSVOA_D
ClientSampleId :

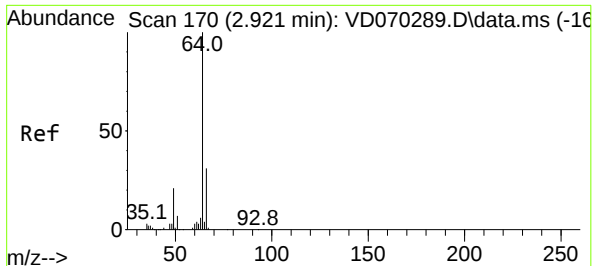
Tgt Ion:168 Resp: 25392
Ion Ratio Lower Upper
168 100
99 67.7 50.8 76.2



#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070451.D
Acq: 24 Sep 2021 13:32

Tgt Ion: 50 Resp: 407
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.2#

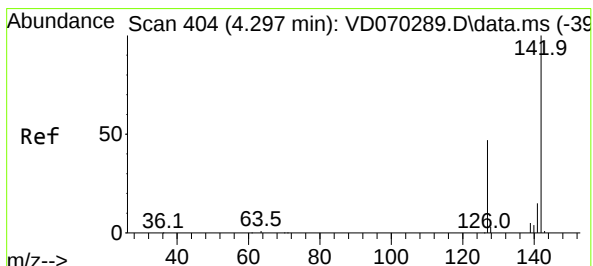
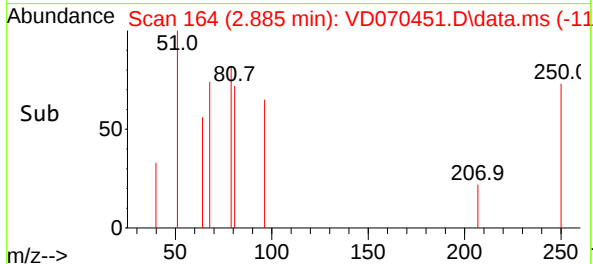
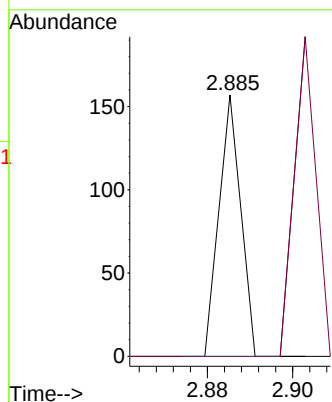
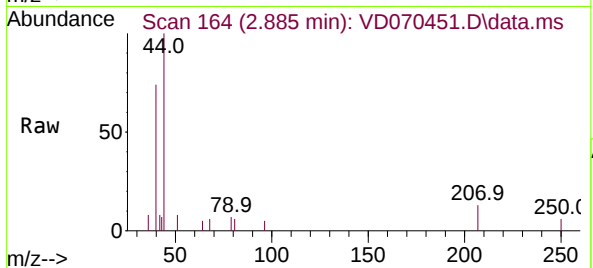




#6
Chloroethane
Concen: Below Cal
RT: 2.885 min Scan# 164
Delta R.T. -0.036 min
Lab File: VD070451.D
Acq: 24 Sep 2021 13:32

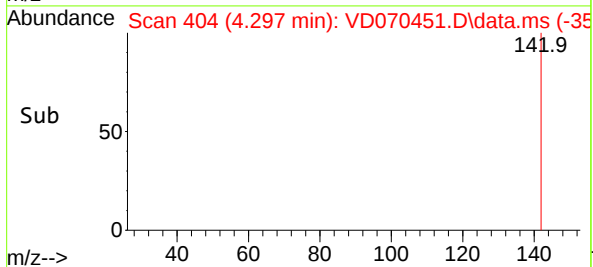
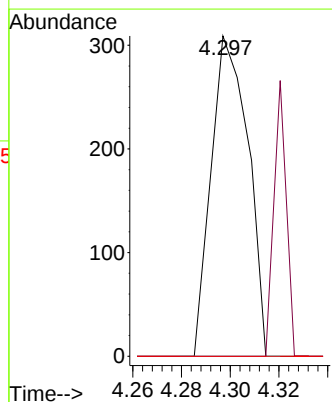
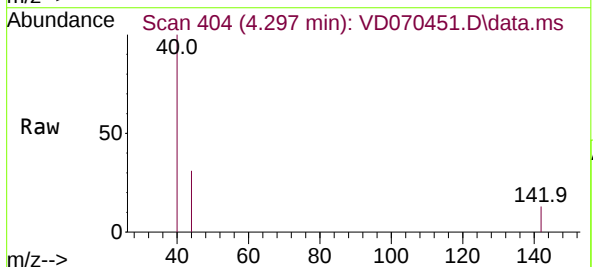
Instrument :
MSVOA_D
ClientSampled :

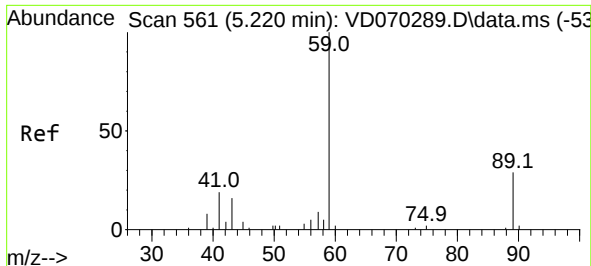
Tgt Ion: 64 Resp: 55
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 2.039 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070451.D
Acq: 24 Sep 2021 13:32

Tgt Ion:142 Resp: 324
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#

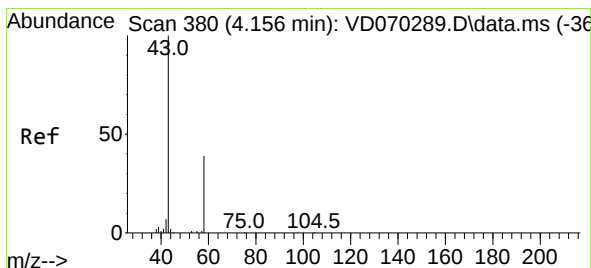
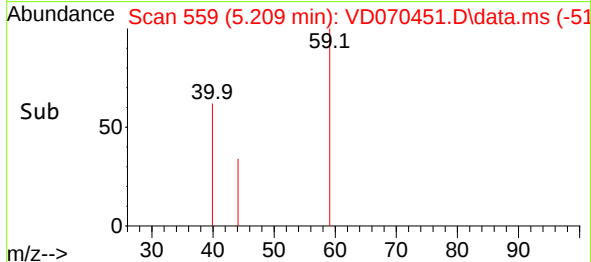
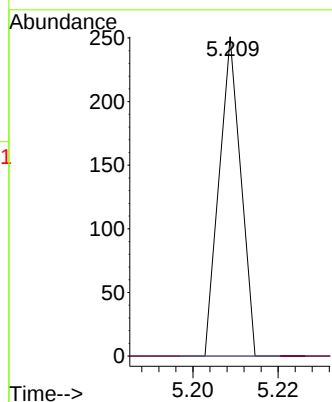
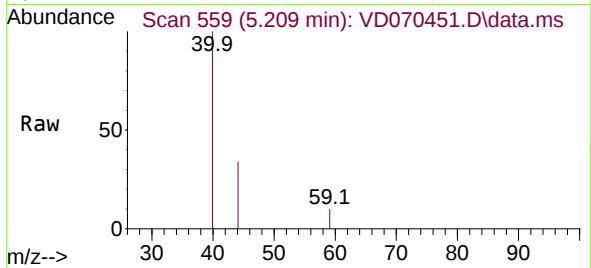




#11
Tert butyl alcohol
Concen: 2.414 ug/l
RT: 5.209 min Scan# 559
Delta R.T. -0.011 min
Lab File: VD070451.D
Acq: 24 Sep 2021 13:32

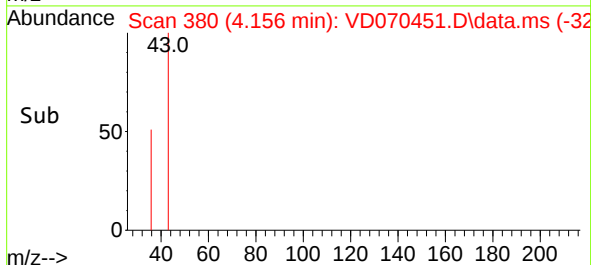
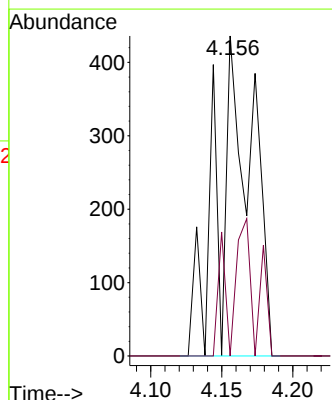
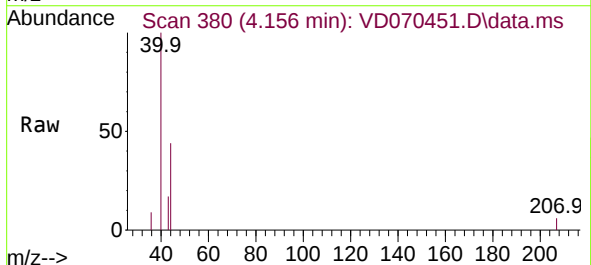
Instrument :
MSVOA_D
ClientSampled :

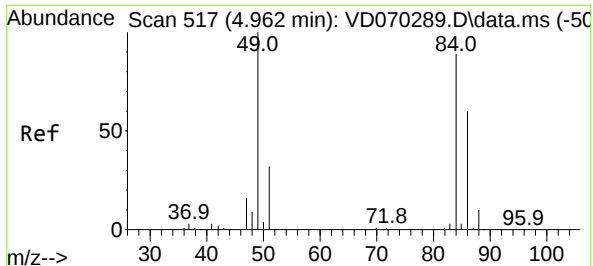
Tgt Ion: 59 Resp: 89
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 12.524 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070451.D
Acq: 24 Sep 2021 13:32

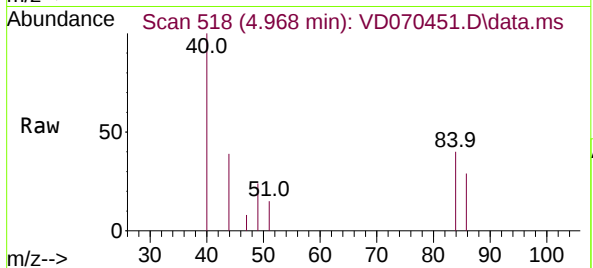
Tgt Ion: 43 Resp: 729
Ion Ratio Lower Upper
43 100
58 0.0 30.9 46.3#



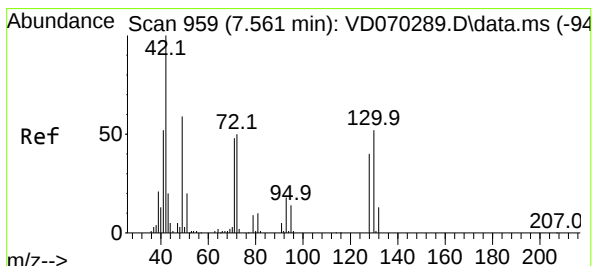
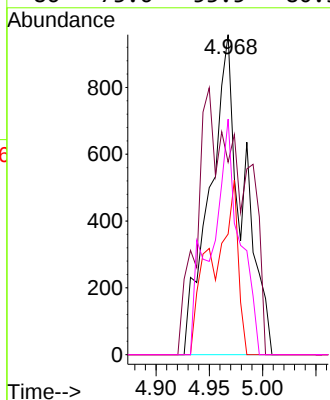
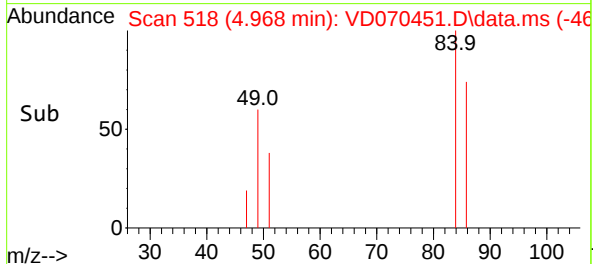


#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD070451.D
Acq: 24 Sep 2021 13:32

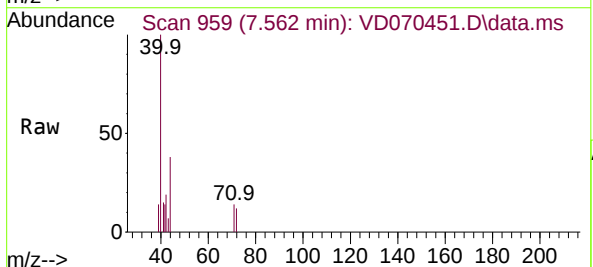
Instrument :
MSVOA_D
ClientSampleId :



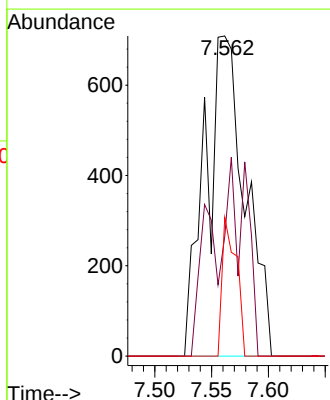
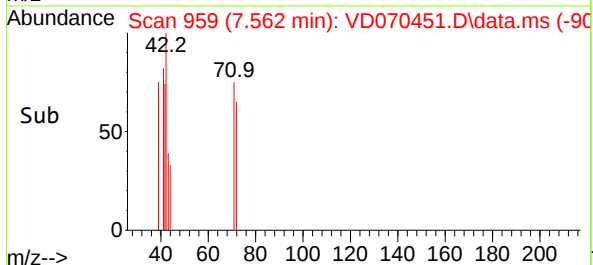
Tgt Ion:	84	Resp:	2064
Ion	Ratio	Lower	Upper
84	100		
49	60.1	89.6	134.4#
51	37.7	28.6	43.0
86	73.6	53.5	80.3

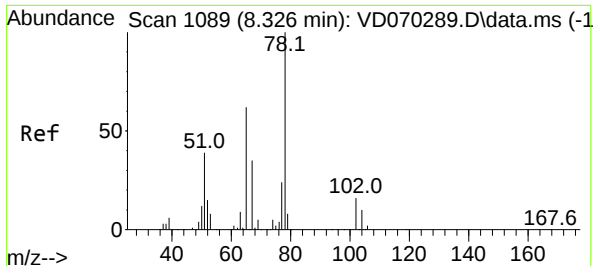


#29
Tetrahydrofuran
Concen: 34.861 ug/l
RT: 7.562 min Scan# 959
Delta R.T. 0.000 min
Lab File: VD070451.D
Acq: 24 Sep 2021 13:32



Tgt Ion:	42	Resp:	1734
Ion	Ratio	Lower	Upper
42	100		
72	32.1	38.8	58.2#
71	15.4	37.8	56.6#



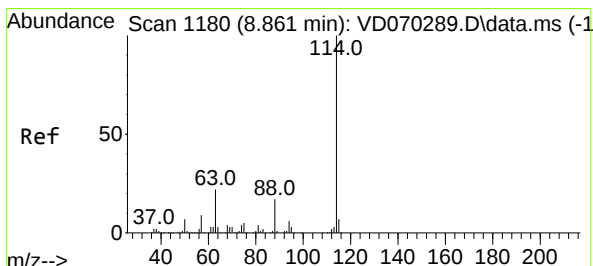
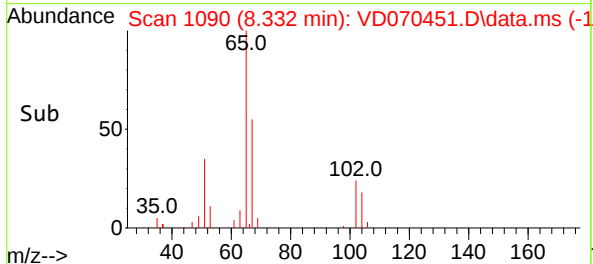
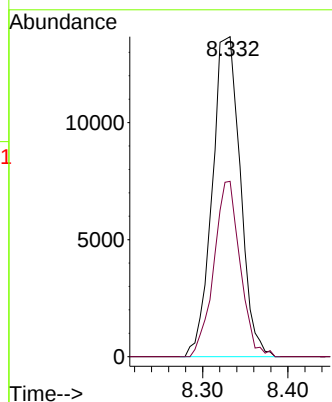
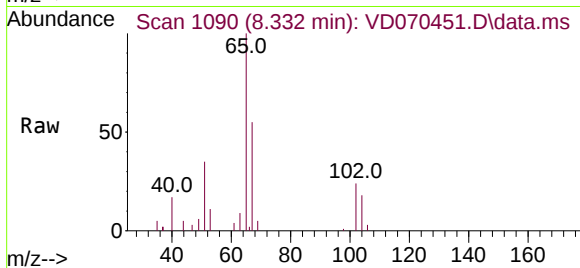


#33

1,2-Dichloroethane-d4
Concen: 96.130 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070451.D
Acq: 24 Sep 2021 13:32

Instrument :
MSVOA_D
ClientSampleId :

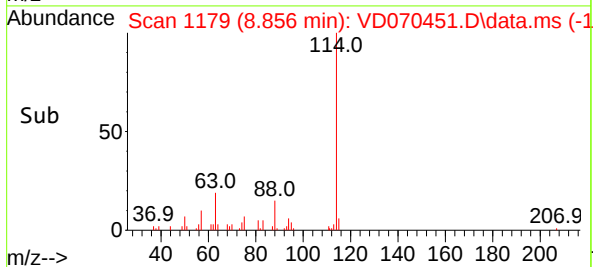
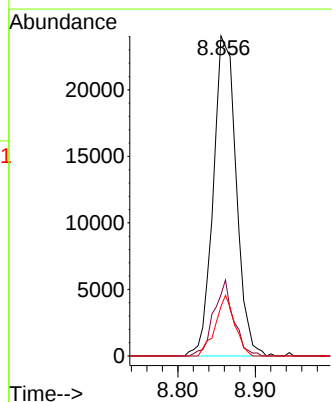
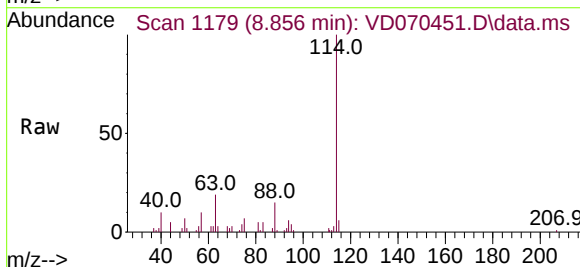
Tgt Ion: 65 Resp: 31342
Ion Ratio Lower Upper
65 100
67 51.3 0.0 111.4

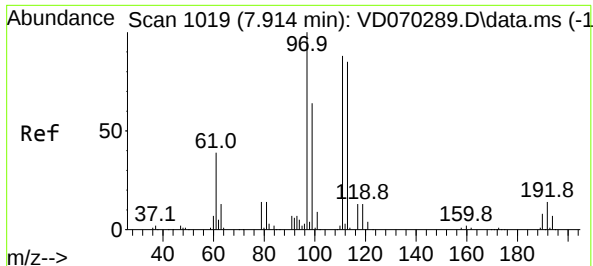


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.856 min Scan# 1179
Delta R.T. -0.006 min
Lab File: VD070451.D
Acq: 24 Sep 2021 13:32

Tgt Ion:114 Resp: 49534
Ion Ratio Lower Upper
114 100
63 19.2 0.0 43.4
88 15.4 0.0 33.4





#35

Dibromofluoromethane

Concen: 60.785 ug/l

RT: 7.914 min Scan# 1019

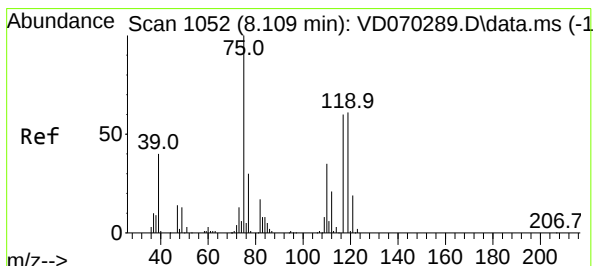
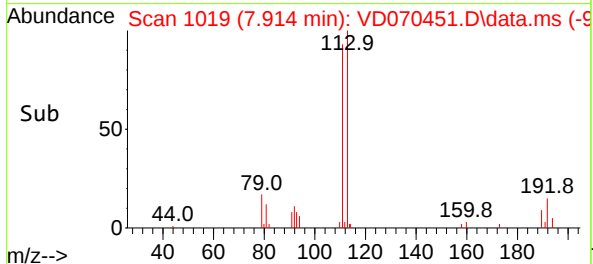
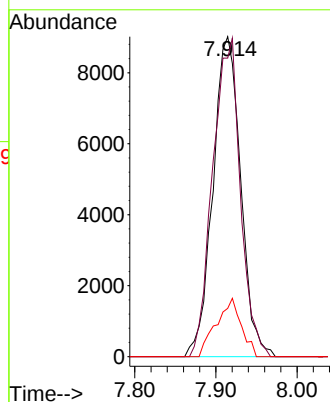
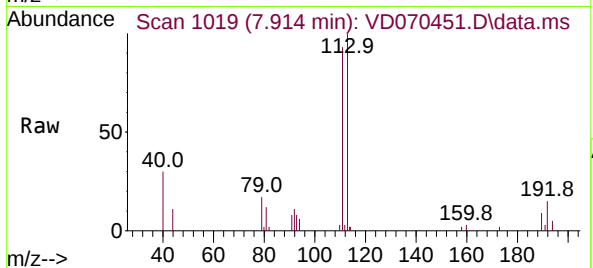
Delta R.T. 0.000 min

Lab File: VD070451.D

Acq: 24 Sep 2021 13:32

Tgt Ion:	113	Resp:	21432
Ion	Ratio	Lower	Upper
113	100		
111	98.9	81.4	122.2
192	16.3	13.0	19.6

Instrument :
MSVOA_D
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 4.369 ug/l

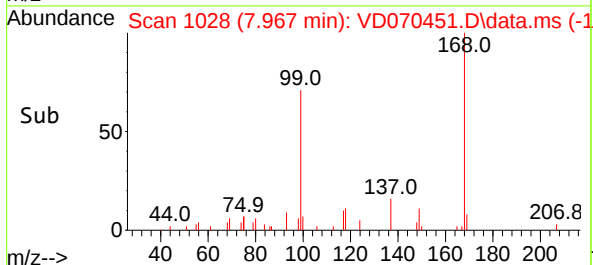
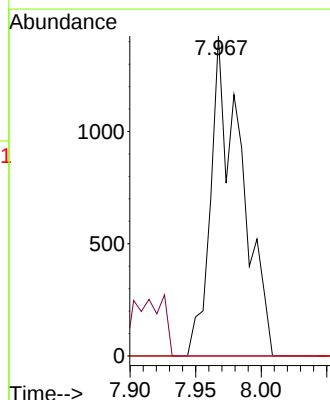
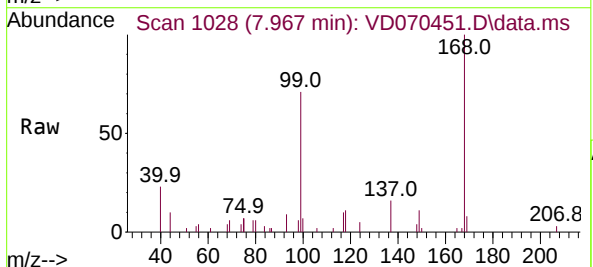
RT: 7.967 min Scan# 1028

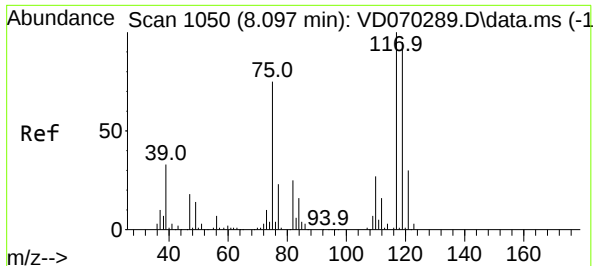
Delta R.T. -0.141 min

Lab File: VD070451.D

Acq: 24 Sep 2021 13:32

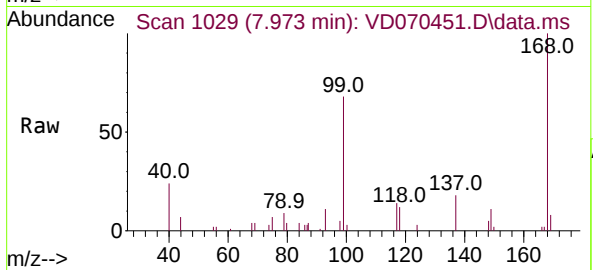
Tgt Ion:	75	Resp:	2313
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.9	53.7#
77	0.0	25.3	37.9#



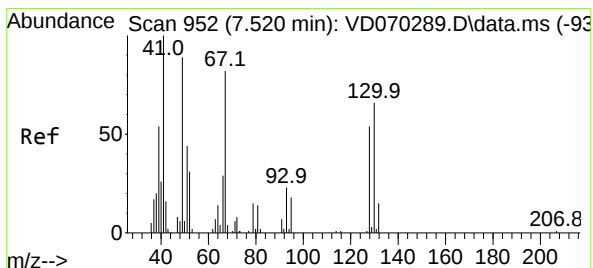
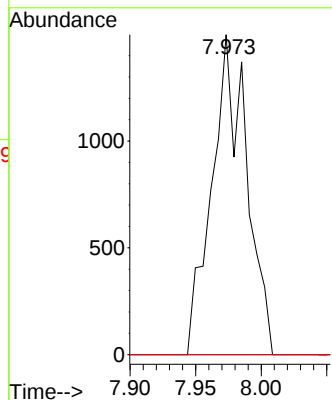
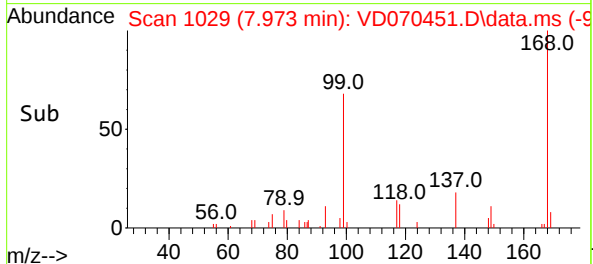


#38
Carbon Tetrachloride
Concen: 5.279 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070451.D
Acq: 24 Sep 2021 13:32

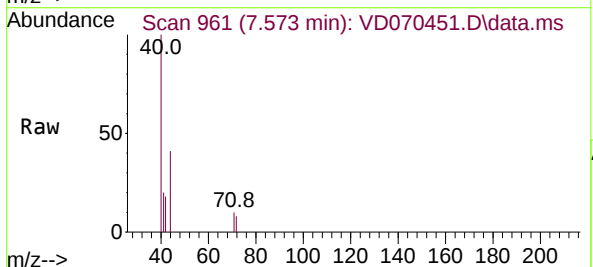
Instrument :
MSVOA_D
ClientSampled :



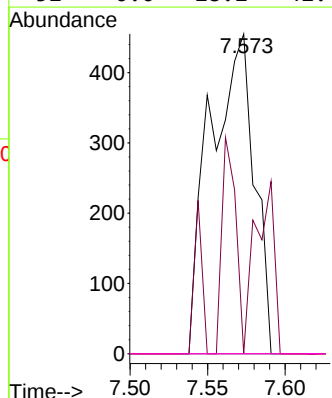
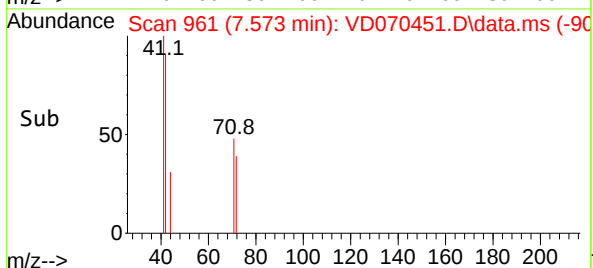
Tgt Ion:117 Resp: 2764
Ion Ratio Lower Upper
117 100
119 0.0 76.1 114.1#
121 0.0 23.8 35.6#

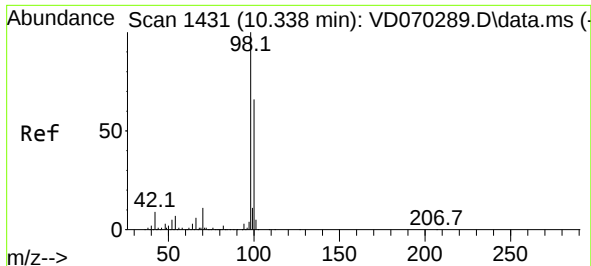


#41
Methacrylonitrile
Concen: 8.611 ug/l
RT: 7.573 min Scan# 961
Delta R.T. 0.053 min
Lab File: VD070451.D
Acq: 24 Sep 2021 13:32



Tgt Ion: 41 Resp: 897
Ion Ratio Lower Upper
41 100
39 21.3 45.7 68.5#
67 0.0 74.0 111.0#
52 0.0 28.2 42.4#

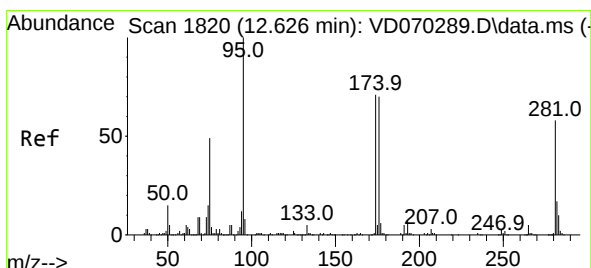
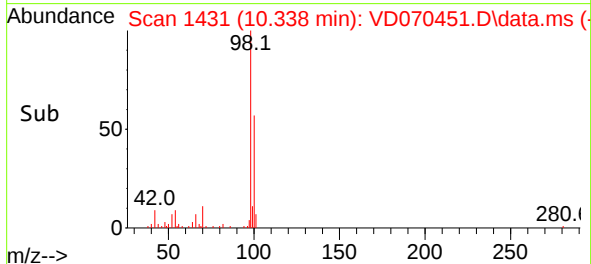
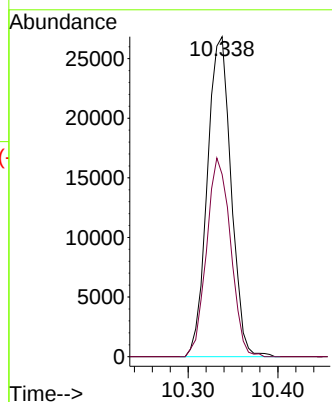
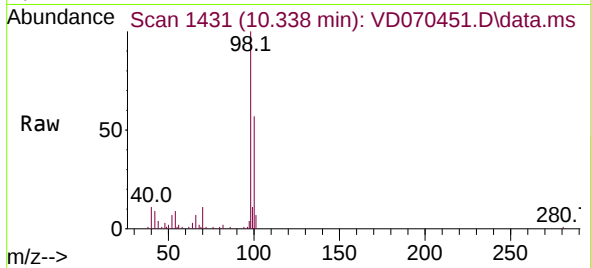




#50
Toluene-d8
Concen: 38.548 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD070451.D
Acq: 24 Sep 2021 13:32

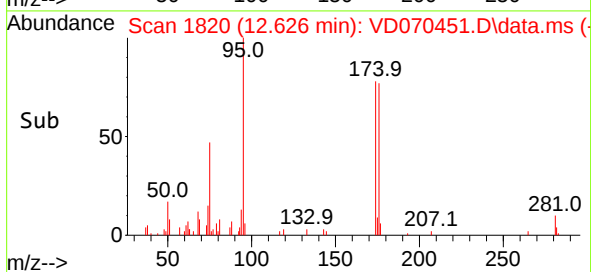
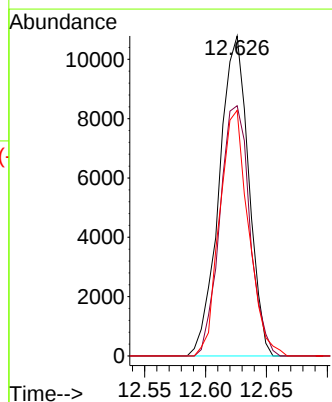
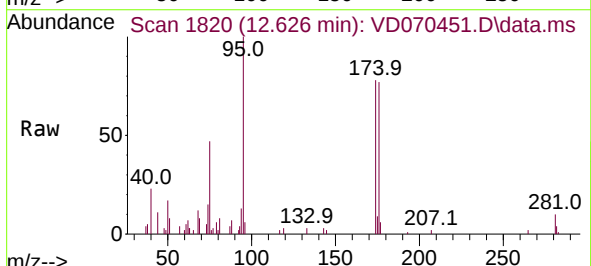
Instrument :
MSVOA_D
ClientSampled :

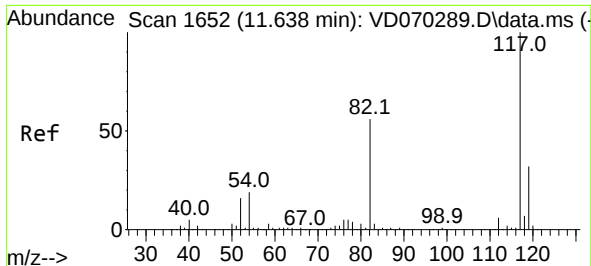
Tgt Ion: 98 Resp: 49348
Ion Ratio Lower Upper
98 100
100 62.8 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 40.570 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070451.D
Acq: 24 Sep 2021 13:32

Tgt Ion: 95 Resp: 18151
Ion Ratio Lower Upper
95 100
174 79.2 0.0 140.6
176 74.9 0.0 137.4

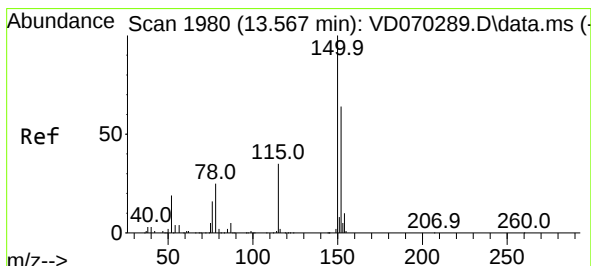
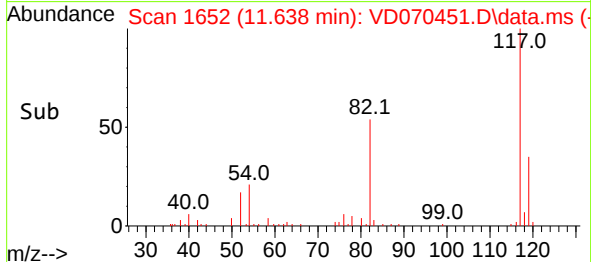
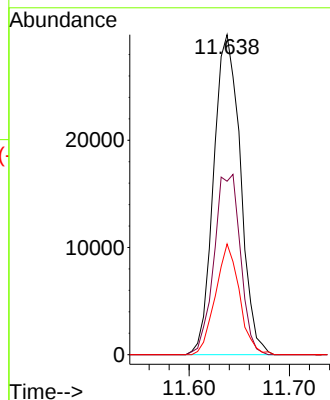
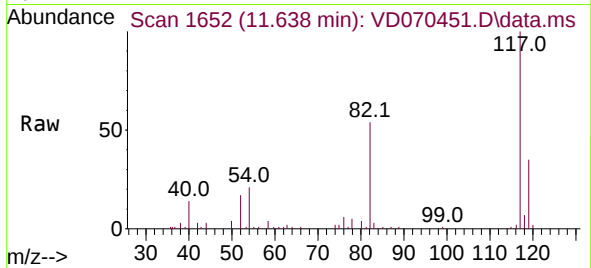




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070451.D
Acq: 24 Sep 2021 13:32

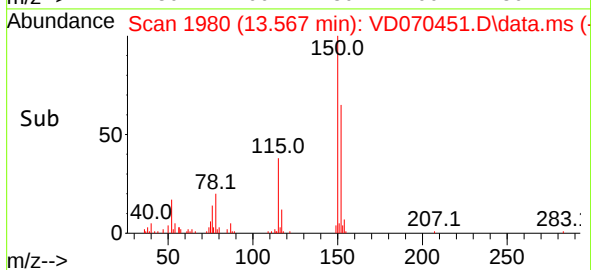
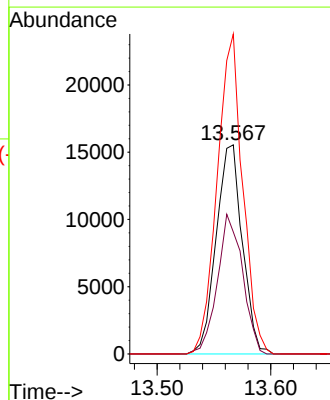
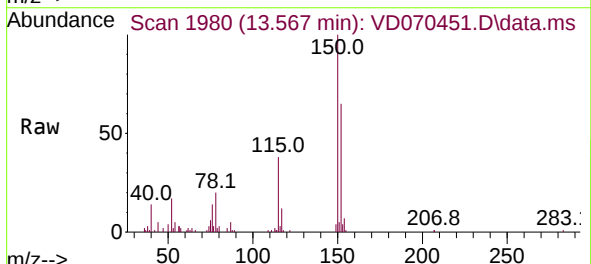
Instrument :
MSVOA_D
ClientSampled :

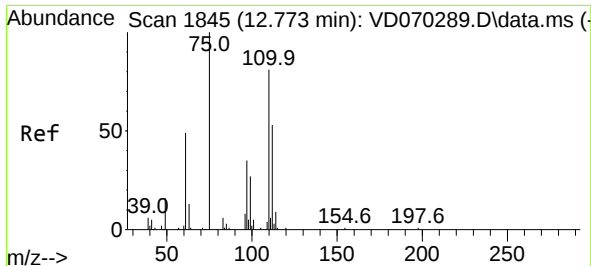
Tgt Ion:117 Resp: 55191
Ion Ratio Lower Upper
117 100
82 54.2 45.0 67.4
119 34.6 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD070451.D
Acq: 24 Sep 2021 13:32

Tgt Ion:152 Resp: 24891
Ion Ratio Lower Upper
152 100
115 64.5 32.1 96.3
150 149.3 0.0 350.6

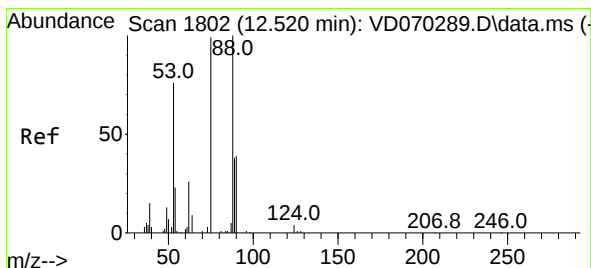
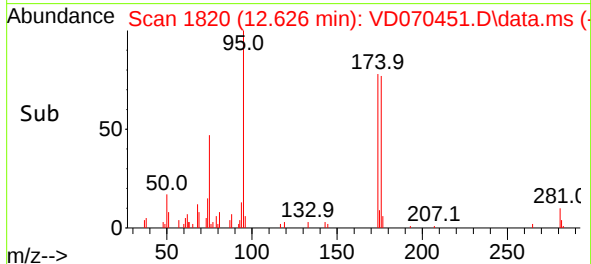
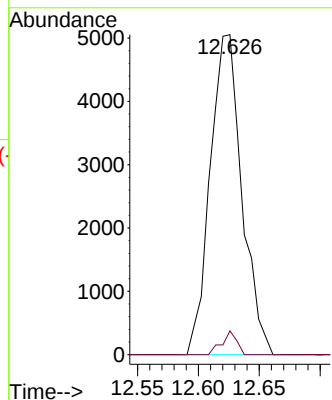
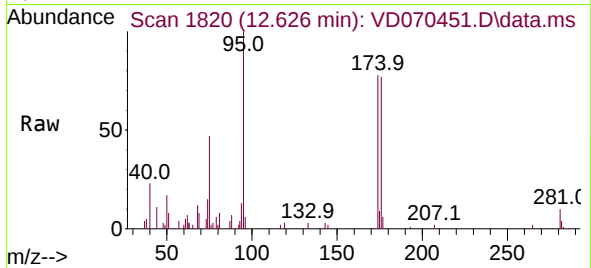




#76
1,2,3-Trichloropropane
Concen: 36.314 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070451.D
Acq: 24 Sep 2021 13:32

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 9143
Ion Ratio Lower Upper
75 100
77 3.5 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.988 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070451.D
Acq: 24 Sep 2021 13:32

Tgt Ion: 75 Resp: 9143
Ion Ratio Lower Upper
75 100
53 0.0 64.2 96.2#
89 0.0 35.6 53.4#

