

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD093021\
 Data File : VD070536.D
 Acq On : 30 Sep 2021 12:22
 Operator : VA/SY
 Sample : M3975-09
 Misc : 14.67G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 01 02:03:57 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)

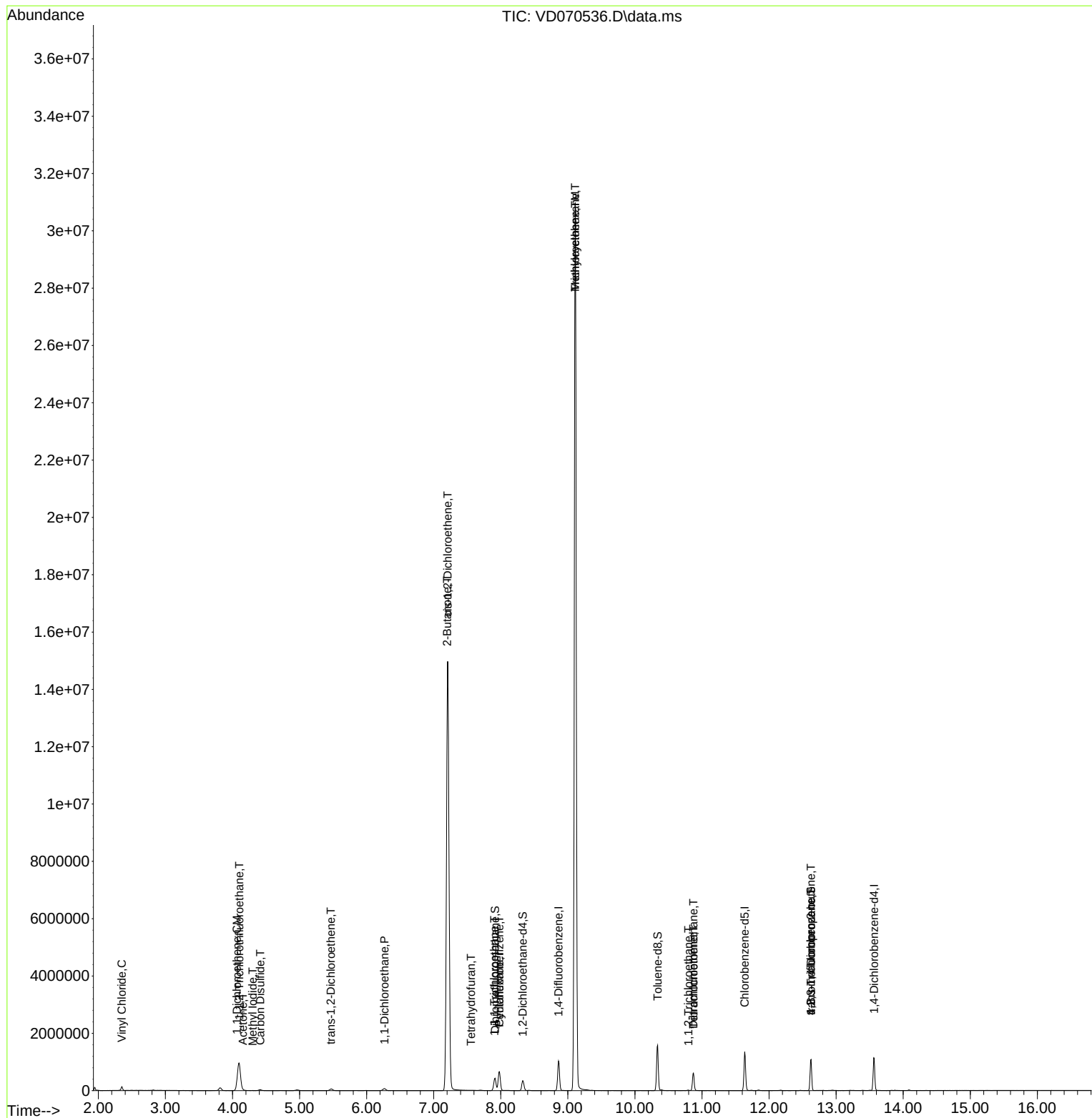
Internal Standards						
1) Pentafluorobenzene	7.979	168	465735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	890568	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	789132	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	308140	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	275305	46.037	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.080%
35) Dibromofluoromethane	7.914	113	289912	45.733	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.460%
50) Toluene-d8	10.338	98	1120258	48.673	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.340%
62) 4-Bromofluorobenzene	12.626	95	343458	42.698	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	85.400%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	1626	Below Cal	#	69
3) Chloromethane	2.215	50	2371	Below Cal	#	82
4) Vinyl Chloride	2.350	62	116668	15.921	ug/l	99
5) Bromomethane	2.785	94	2216	Below Cal		88
6) Chloroethane	2.920	64	2197	Below Cal	#	57
9) 1,1,2-Trichlorotrifluo...	4.103	101	676152	112.310	ug/l	98
10) Methyl Iodide	4.303	142	1002	1.199	ug/l #	91
12) 1,1-Dichloroethene	4.067	96	56107	10.348	ug/l	93
16) Acetone	4.156	43	32277	30.231	ug/l	95
17) Carbon Disulfide	4.414	76	68279	3.413	ug/l	95
18) Methyl Acetate	4.714	43	378	Below Cal	#	48
20) Methylene Chloride	4.967	84	20592	Below Cal	#	80
21) trans-1,2-Dichloroethene	5.467	96	38866	6.022	ug/l	90
24) 1,1-Dichloroethane	6.267	63	102827	8.522	ug/l	99
25) 2-Butanone	7.203	43	12013	8.453	ug/l #	1
27) cis-1,2-Dichloroethene	7.208	96	9546226	1376.831	ug/l	91
29) Tetrahydrofuran	7.555	42	1275	1.398	ug/l #	42
31) Cyclohexane	7.979	56	12546	1.218	ug/l #	1
32) 1,1,1-Trichloroethane	7.902	97	42560	4.088	ug/l	98
39) Methylcyclohexane	9.108	83	156342	14.702	ug/l #	1
44) Trichloroethene	9.108	130	11085653	1662.798	ug/l	87
55) 1,1,2-Trichloroethane	10.796	97	5989	1.155	ug/l #	89
60) Dibromochloromethane	10.873	129	144282	23.913	ug/l #	11
64) Tetrachloroethene	10.873	164	142075	29.571	ug/l	96
76) 1,2,3-Trichloropropane	12.626	75	164390	52.742	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	164390	132.150	ug/l #	18

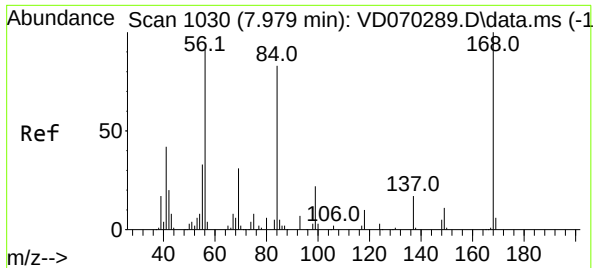
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD093021\
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Quant Title : SW846 8260
QLast Update : Thu Sep 09 03:07:09 2021
Response via : Initial Calibration

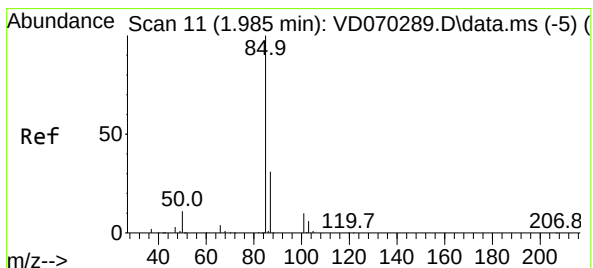
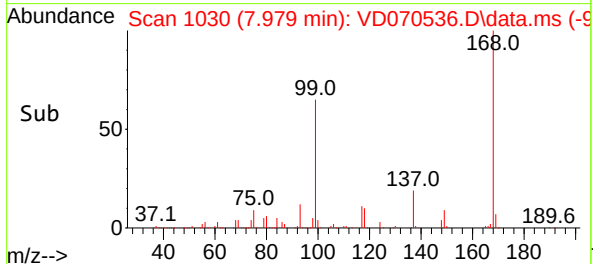
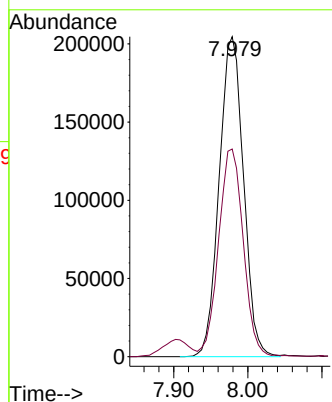
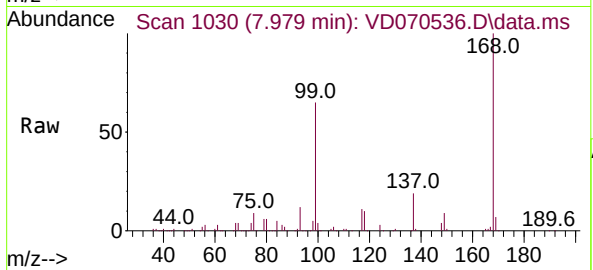




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070536.D
Acq: 30 Sep 2021 12:22

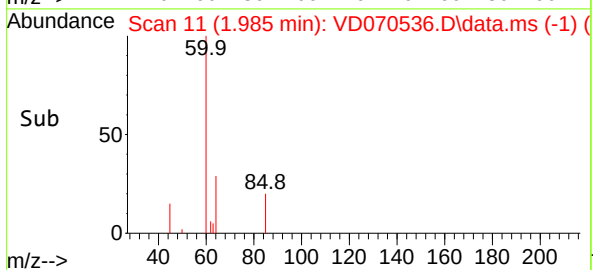
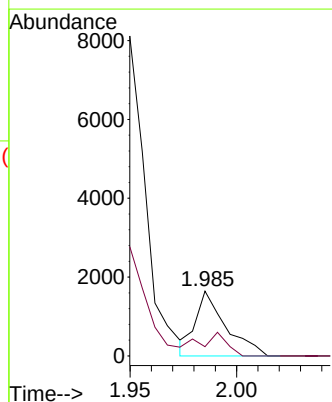
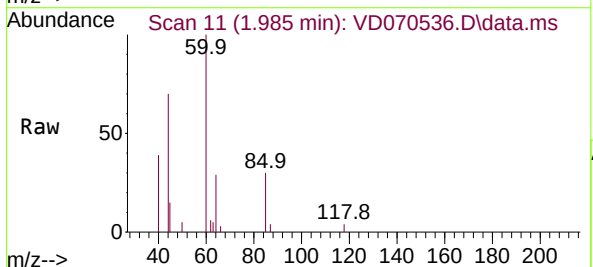
Instrument :
MSVOA_D
ClientSampled :

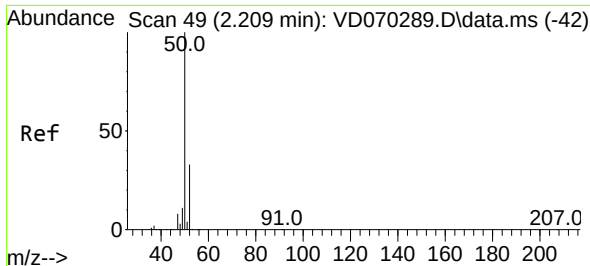
Tgt Ion:168 Resp: 465735
Ion Ratio Lower Upper
168 100
99 64.6 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.985 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD070536.D
Acq: 30 Sep 2021 12:22

Tgt Ion: 85 Resp: 1626
Ion Ratio Lower Upper
85 100
87 14.3 15.6 46.8#

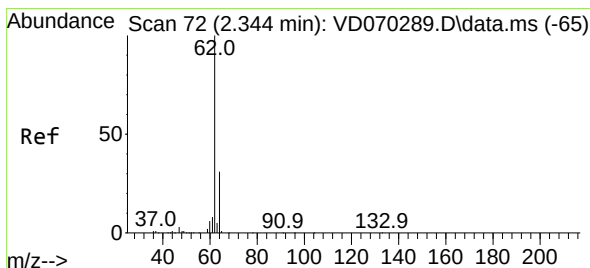
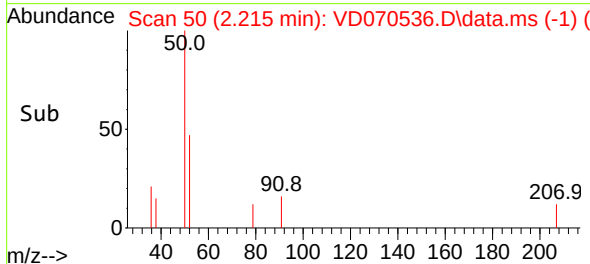
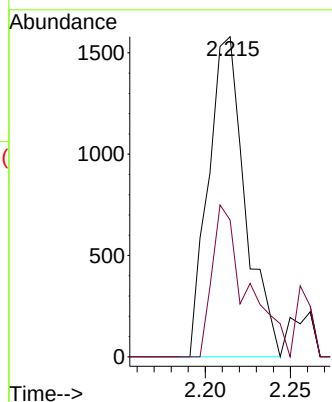
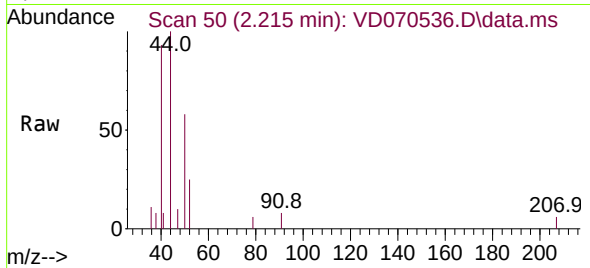




#3
Chloromethane
Concen: Below Cal
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070536.D
Acq: 30 Sep 2021 12:22

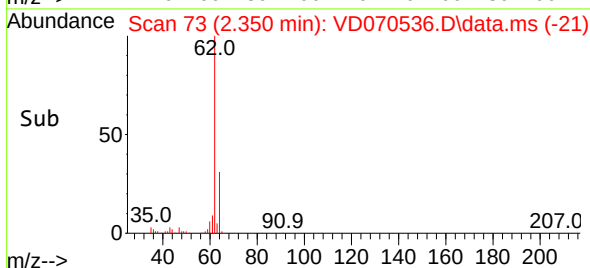
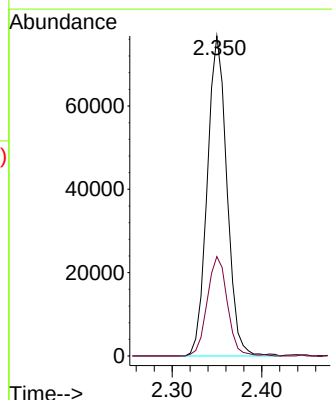
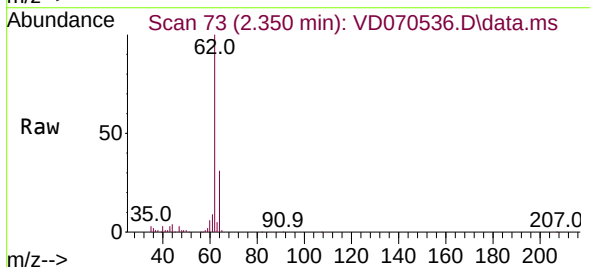
Instrument :
MSVOA_D
ClientSampled :

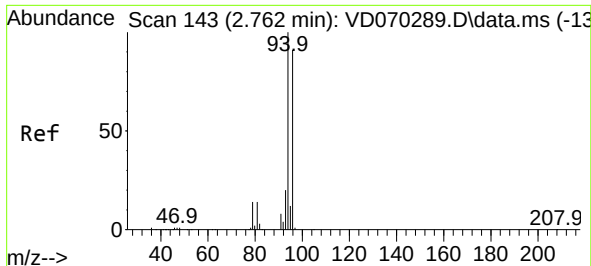
Tgt Ion: 50 Resp: 2371
Ion Ratio Lower Upper
50 100
52 42.7 26.2 39.2#



#4
Vinyl Chloride
Concen: 15.921 ug/l
RT: 2.350 min Scan# 73
Delta R.T. 0.006 min
Lab File: VD070536.D
Acq: 30 Sep 2021 12:22

Tgt Ion: 62 Resp: 116668
Ion Ratio Lower Upper
62 100
64 31.0 24.6 36.8

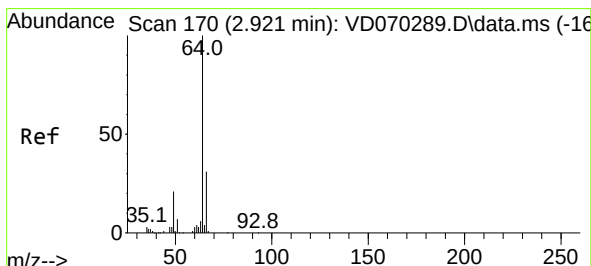
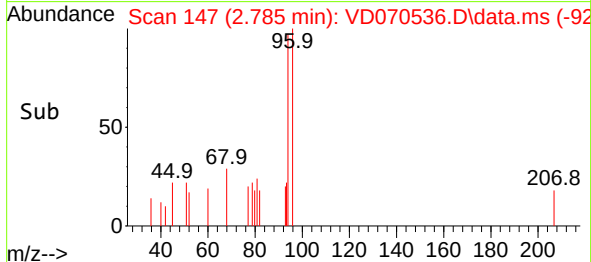
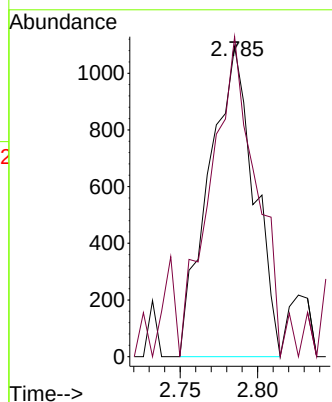
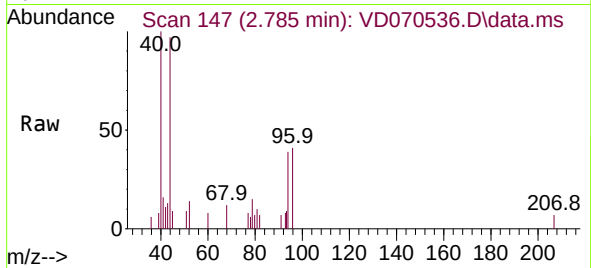




#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD070536.D
Acq: 30 Sep 2021 12:22

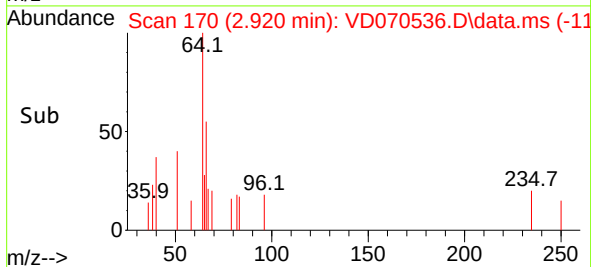
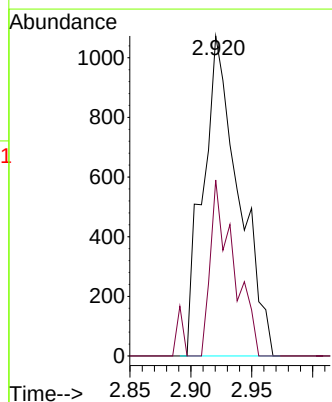
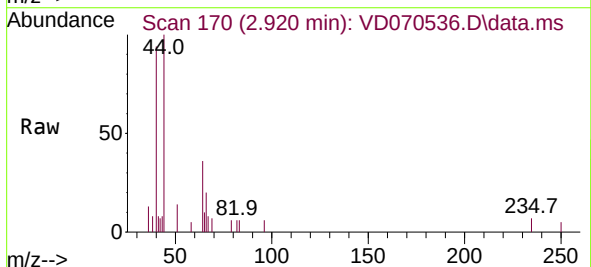
Instrument :
MSVOA_D
ClientSampled :

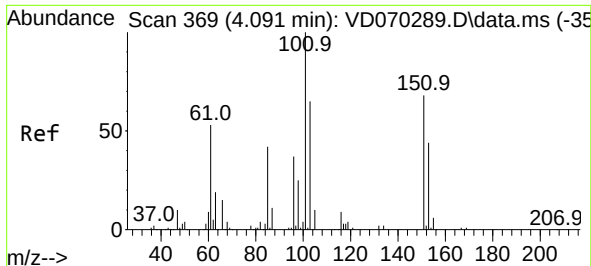
Tgt Ion: 94 Resp: 2216
Ion Ratio Lower Upper
94 100
96 103.1 73.0 109.6



#6
Chloroethane
Concen: Below Cal
RT: 2.920 min Scan# 170
Delta R.T. -0.001 min
Lab File: VD070536.D
Acq: 30 Sep 2021 12:22

Tgt Ion: 64 Resp: 2197
Ion Ratio Lower Upper
64 100
66 55.0 25.0 37.4#

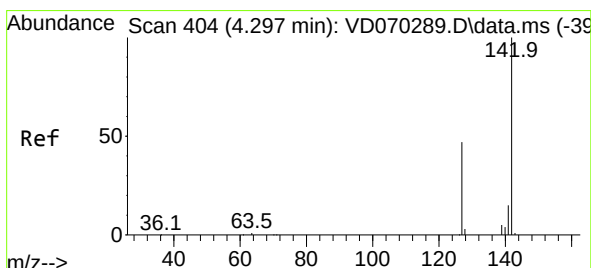
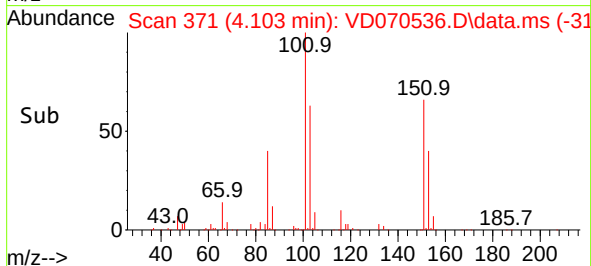
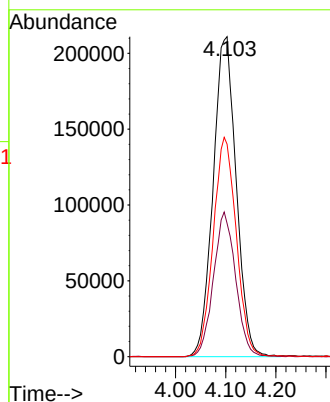
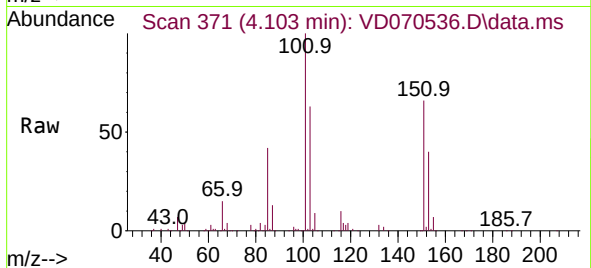




#9
1,1,2-Trichlorotrifluoroethane
Concen: 112.310 ug/l
RT: 4.103 min Scan# 371
Delta R.T. 0.012 min
Lab File: VD070536.D
Acq: 30 Sep 2021 12:22

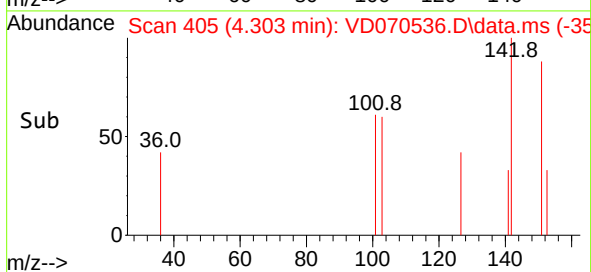
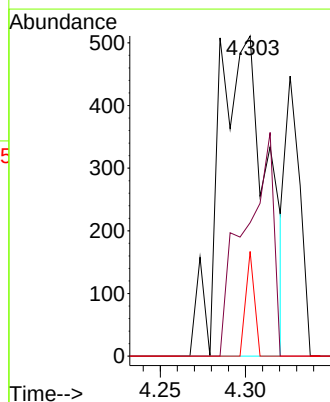
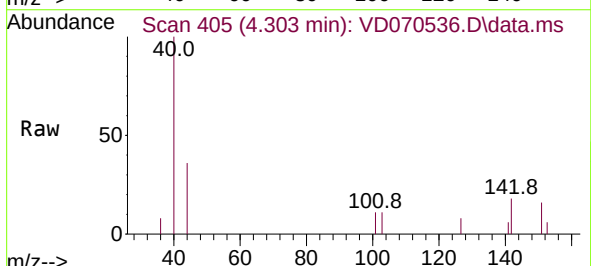
Instrument :
MSVOA_D
ClientSampleId :

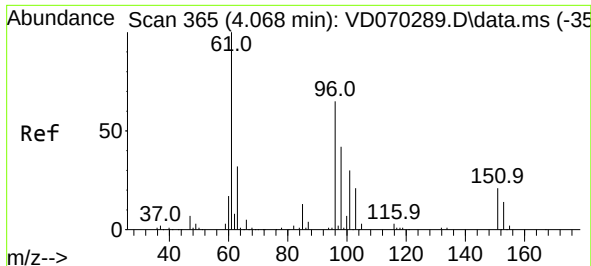
Tgt Ion:101 Resp: 676152
Ion Ratio Lower Upper
101 100
85 43.3 33.8 50.8
151 68.3 55.8 83.6



#10
Methyl Iodide
Concen: 1.199 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD070536.D
Acq: 30 Sep 2021 12:22

Tgt Ion:142 Resp: 1002
Ion Ratio Lower Upper
142 100
127 42.3 36.9 55.3
141 5.9 11.8 17.6#





#12

1,1-Dichloroethene

Concen: 10.348 ug/l

RT: 4.067 min Scan# 365

Delta R.T. -0.000 min

Lab File: VD070536.D

Acq: 30 Sep 2021 12:22

Tgt Ion: 96 Resp: 56107

Ion Ratio Lower Upper

96 100

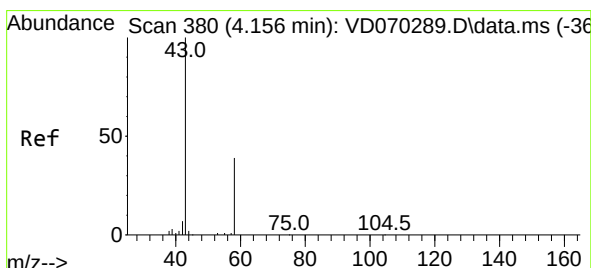
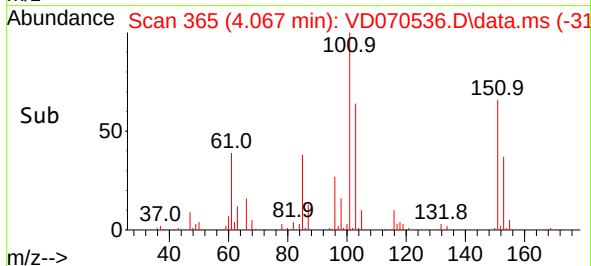
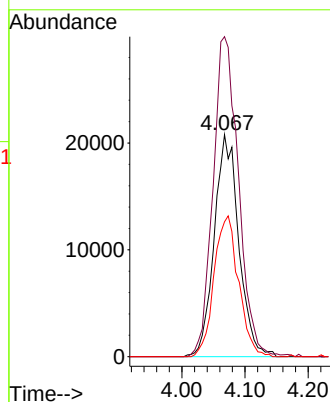
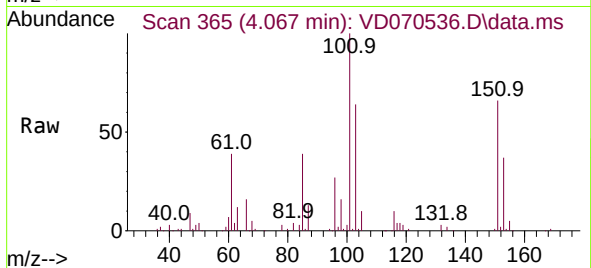
61 144.1 123.2 184.8

98 60.7 51.9 77.9

Instrument :

MSVOA_D

ClientSampled :



#16

Acetone

Concen: 30.231 ug/l

RT: 4.156 min Scan# 380

Delta R.T. -0.000 min

Lab File: VD070536.D

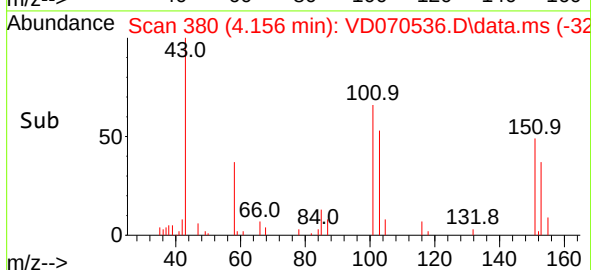
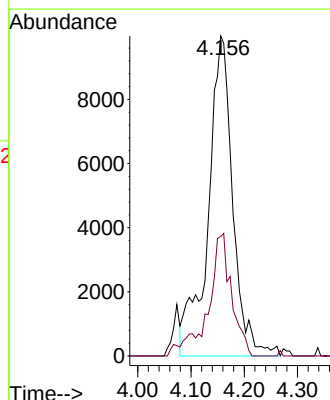
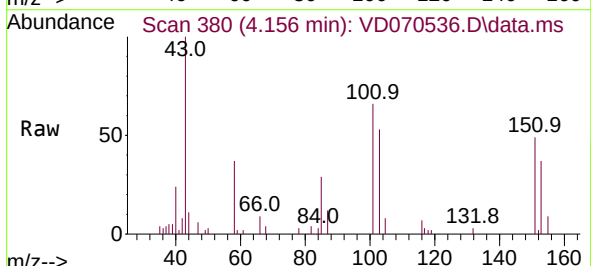
Acq: 30 Sep 2021 12:22

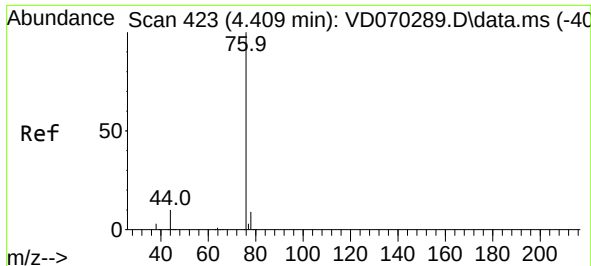
Tgt Ion: 43 Resp: 32277

Ion Ratio Lower Upper

43 100

58 35.6 30.9 46.3

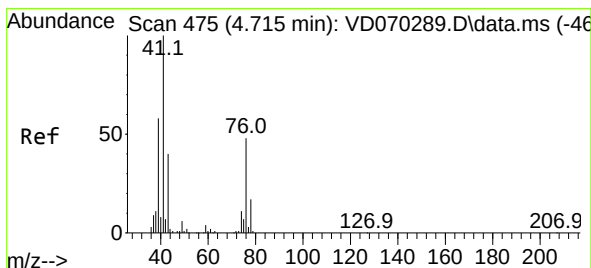
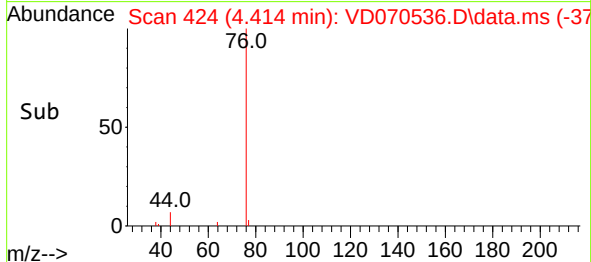
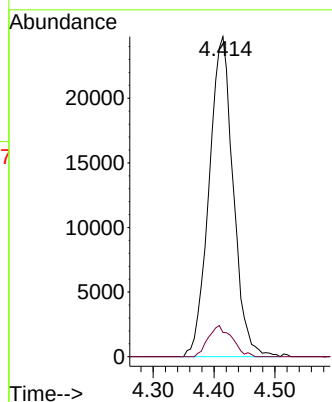
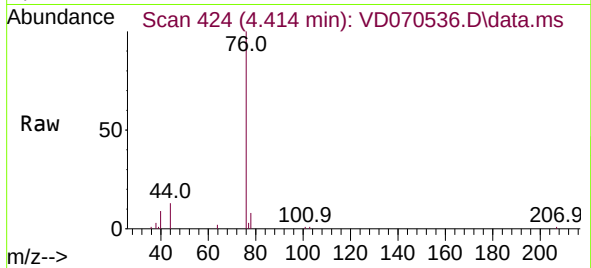




#17
Carbon Disulfide
Concen: 3.413 ug/l
RT: 4.414 min Scan# 424
Delta R.T. 0.006 min
Lab File: VD070536.D
Acq: 30 Sep 2021 12:22

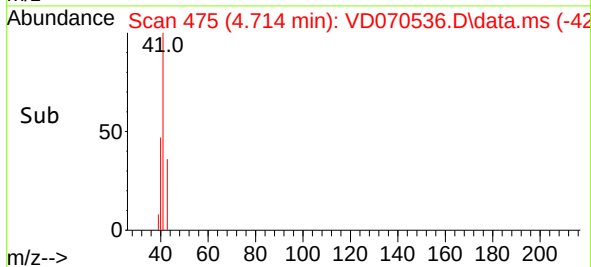
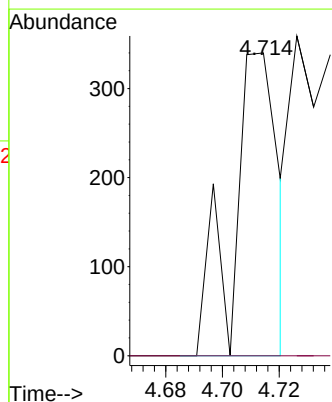
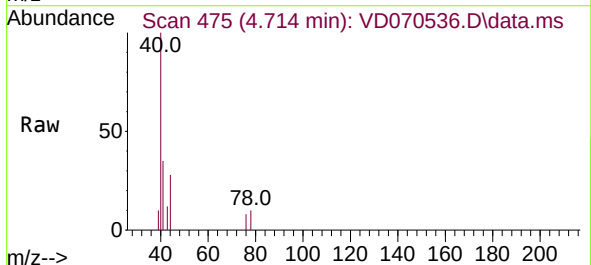
Instrument :
MSVOA_D
ClientSampled :

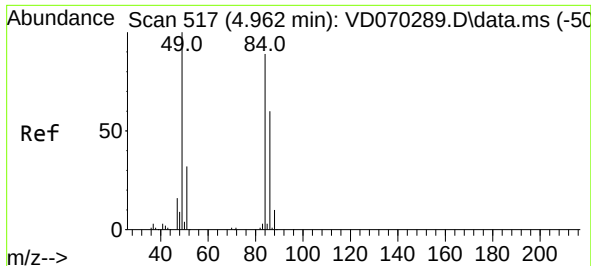
Tgt Ion: 76 Resp: 68279
Ion Ratio Lower Upper
76 100
78 7.6 7.5 11.3



#18
Methyl Acetate
Concen: Below Cal
RT: 4.714 min Scan# 475
Delta R.T. -0.001 min
Lab File: VD070536.D
Acq: 30 Sep 2021 12:22

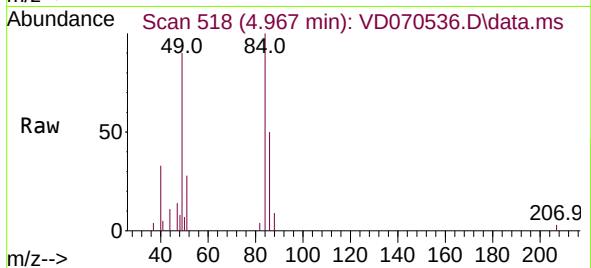
Tgt Ion: 43 Resp: 378
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



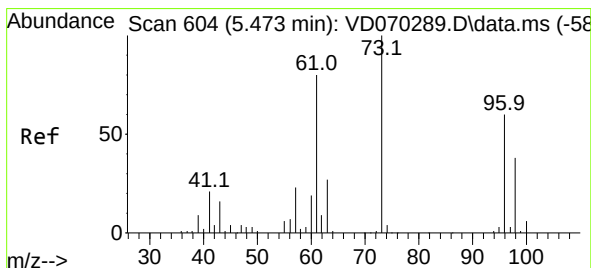
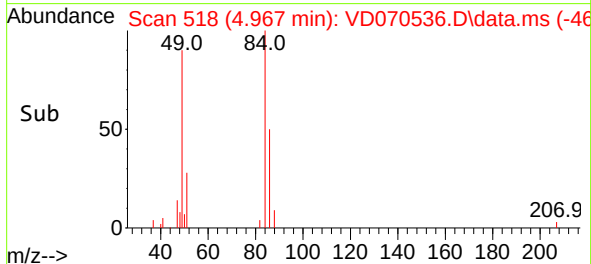
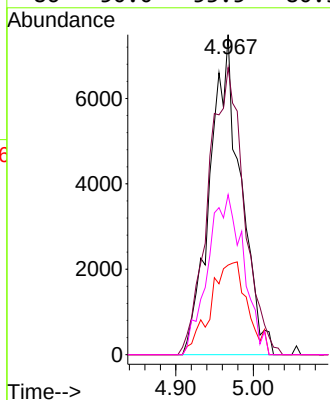


#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD070536.D
Acq: 30 Sep 2021 12:22

Instrument :
MSVOA_D
ClientSampleId :

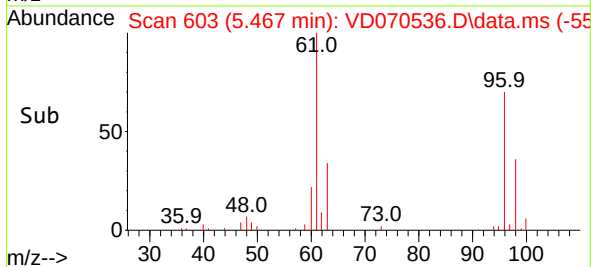
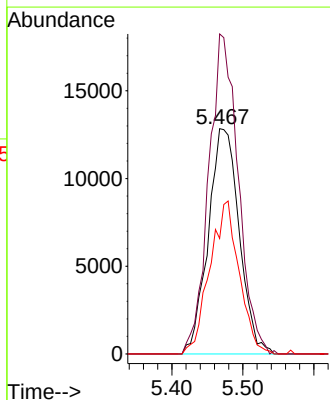
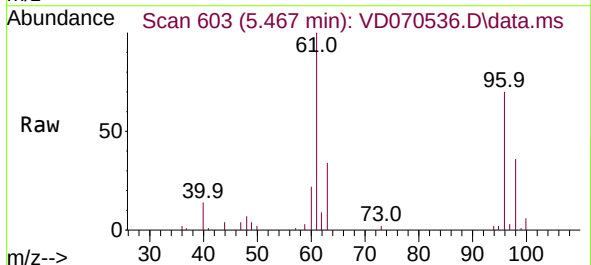


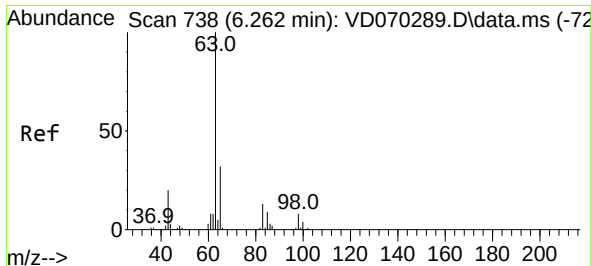
Tgt Ion:	84	Resp:	20592
Ion	Ratio	Lower	Upper
84	100		
49	89.7	89.6	134.4
51	28.0	28.6	43.0#
86	50.0	53.5	80.3#



#21
trans-1,2-Dichloroethene
Concen: 6.022 ug/l
RT: 5.467 min Scan# 603
Delta R.T. -0.006 min
Lab File: VD070536.D
Acq: 30 Sep 2021 12:22

Tgt Ion:	96	Resp:	38866
Ion	Ratio	Lower	Upper
96	100		
61	142.1	106.0	159.0
98	51.3	50.5	75.7

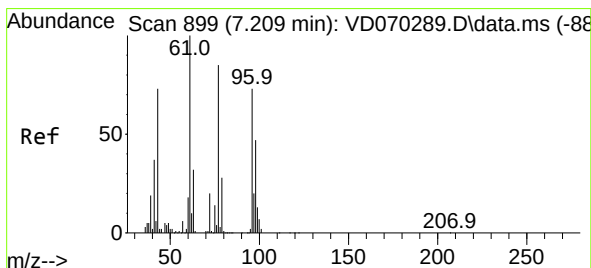
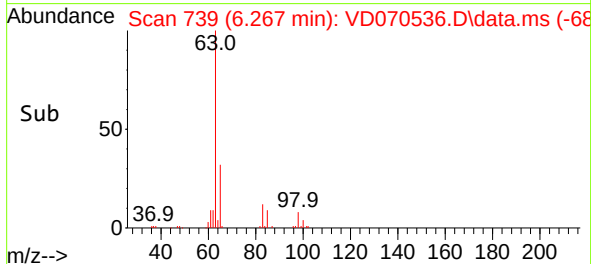
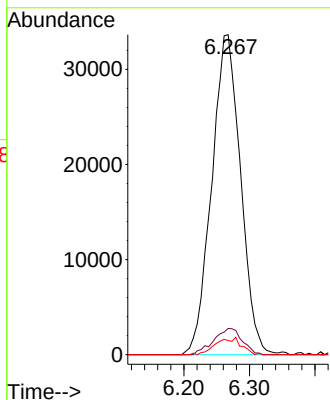
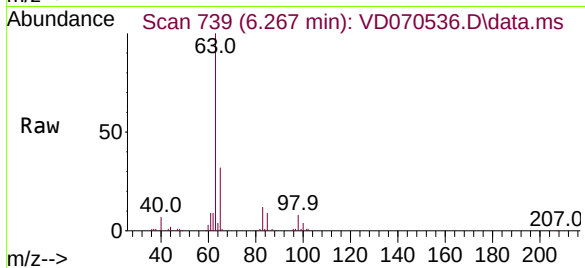




#24
1,1-Dichloroethane
Concen: 8.522 ug/l
RT: 6.267 min Scan# 739
Delta R.T. 0.006 min
Lab File: VD070536.D
Acq: 30 Sep 2021 12:22

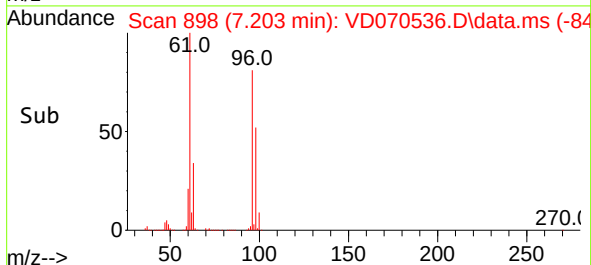
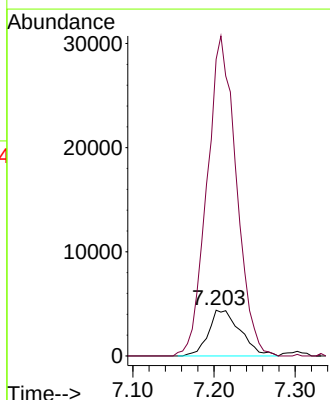
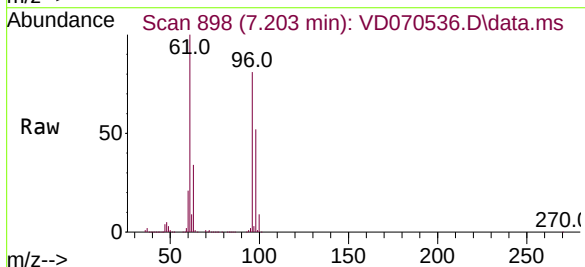
Instrument :
MSVOA_D
ClientSampled :

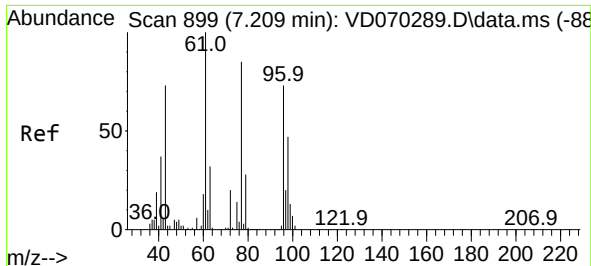
Tgt Ion: 63 Resp: 102827
Ion Ratio Lower Upper
63 100
98 8.2 4.2 12.4
100 4.4 2.0 5.8



#25
2-Butanone
Concen: 8.453 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD070536.D
Acq: 30 Sep 2021 12:22

Tgt Ion: 43 Resp: 12013
Ion Ratio Lower Upper
43 100
72 649.0 22.2 33.4#





#27

cis-1,2-Dichloroethene

Concen: 1376.831 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.000 min

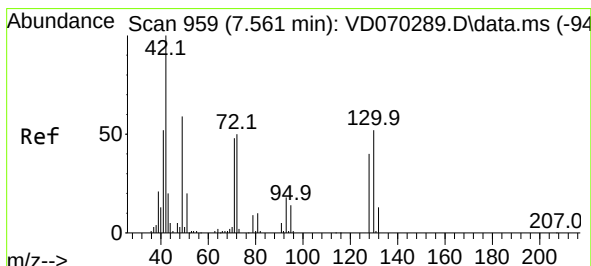
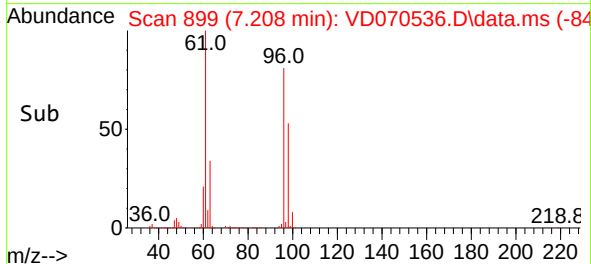
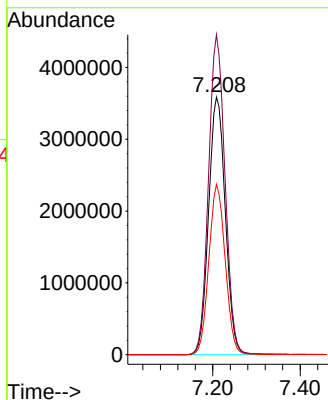
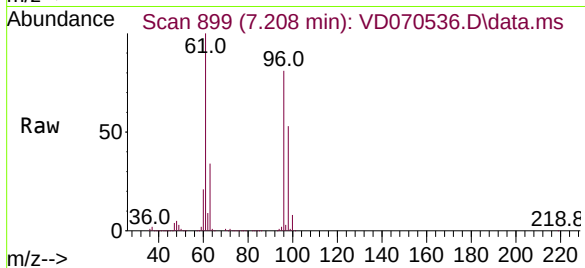
Lab File: VD070536.D

Acq: 30 Sep 2021 12:22

Tgt Ion: 96 Resp: 9546226

Ion	Ratio	Lower	Upper
96	100		
61	122.5	0.0	277.4
98	64.7	0.0	130.0

Instrument :
MSVOA_D
ClientSampled :



#29

Tetrahydrofuran

Concen: 1.398 ug/l

RT: 7.555 min Scan# 958

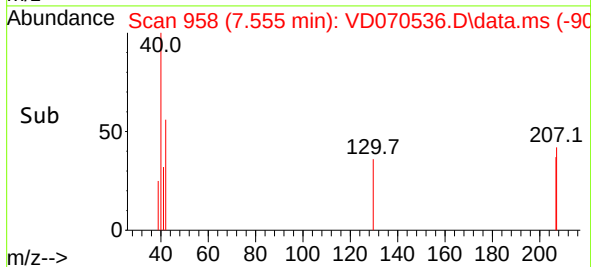
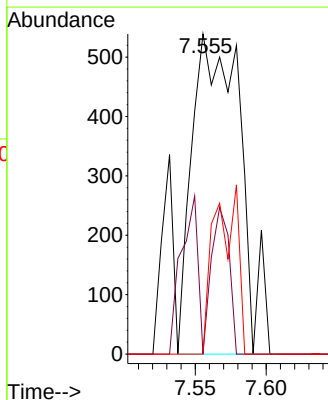
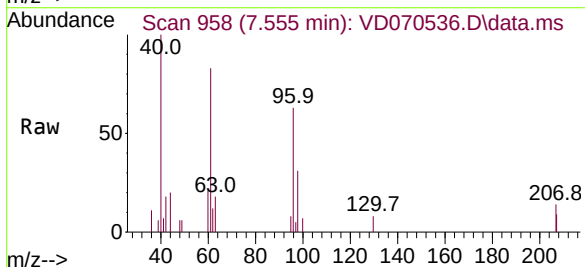
Delta R.T. -0.006 min

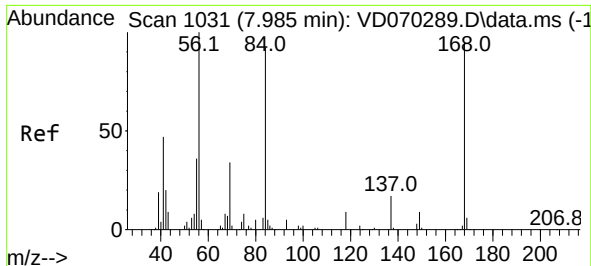
Lab File: VD070536.D

Acq: 30 Sep 2021 12:22

Tgt Ion: 42 Resp: 1275

Ion	Ratio	Lower	Upper
42	100		
72	17.1	38.8	58.2#
71	0.0	37.8	56.6#

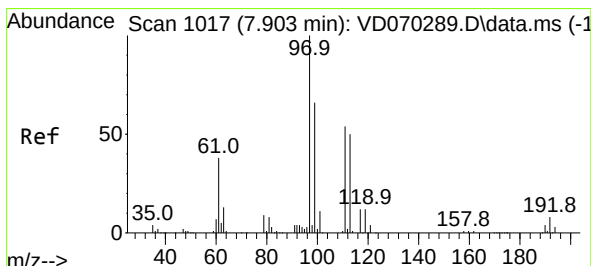
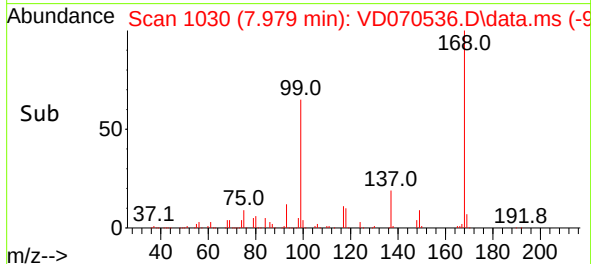
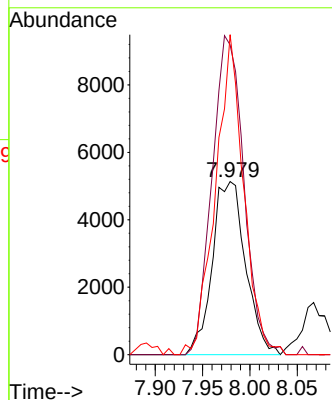
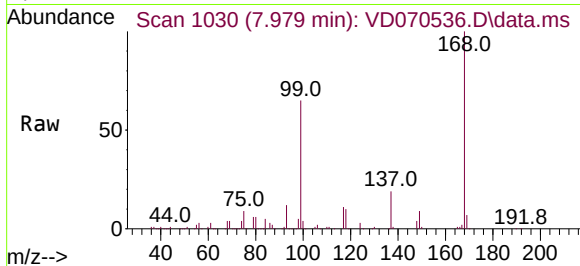




#31
Cyclohexane
Concen: 1.218 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070536.D
Acq: 30 Sep 2021 12:22

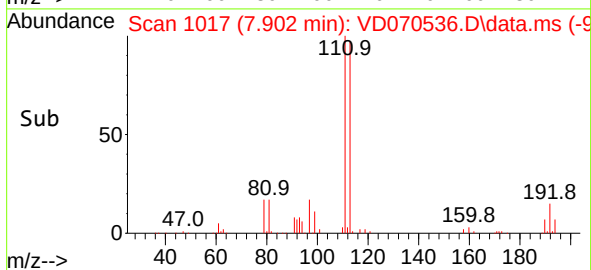
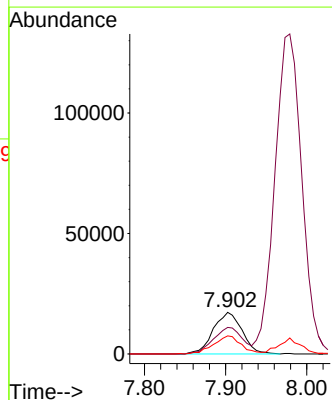
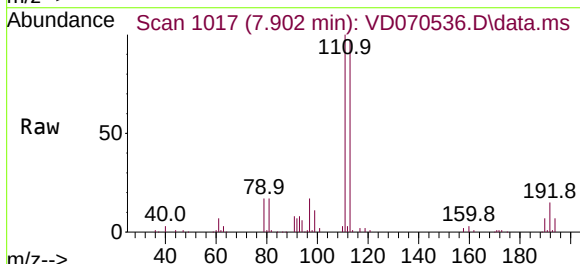
Instrument :
MSVOA_D
ClientSampleId :

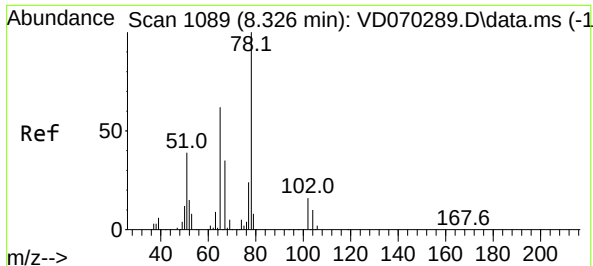
Tgt Ion: 56 Resp: 12546
Ion Ratio Lower Upper
56 100
69 178.9 26.9 40.3#
84 184.8 73.6 110.4#



#32
1,1,1-Trichloroethane
Concen: 4.088 ug/l
RT: 7.902 min Scan# 1017
Delta R.T. -0.000 min
Lab File: VD070536.D
Acq: 30 Sep 2021 12:22

Tgt Ion: 97 Resp: 42560
Ion Ratio Lower Upper
97 100
99 64.5 51.1 76.7
61 41.8 31.4 47.0

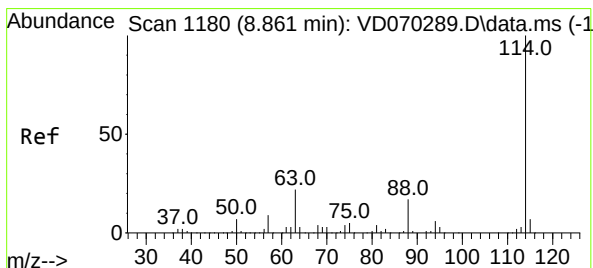
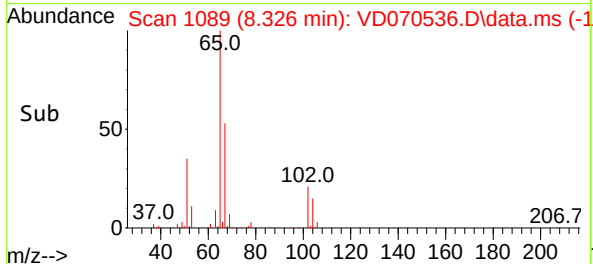
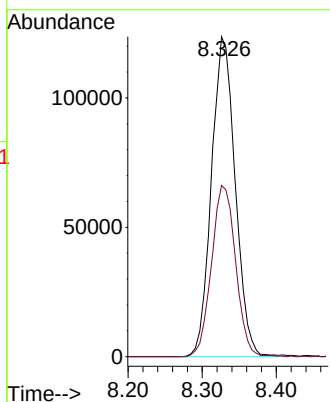
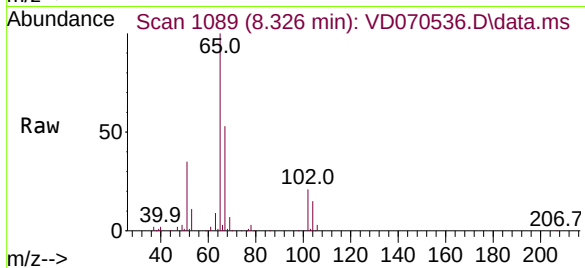




#33
1,2-Dichloroethane-d4
Concen: 46.037 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070536.D
Acq: 30 Sep 2021 12:22

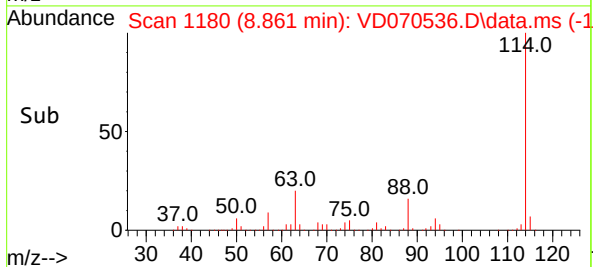
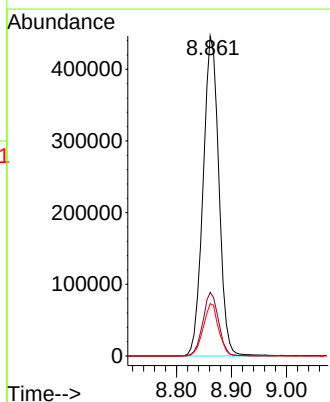
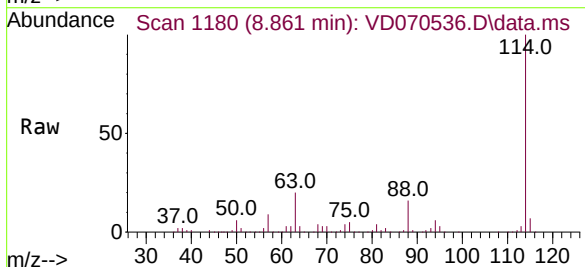
Instrument :
MSVOA_D
ClientSampleId :

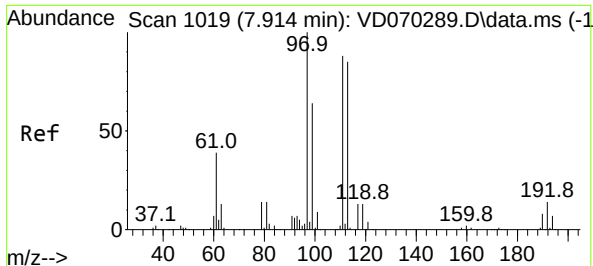
Tgt Ion: 65 Resp: 275305
Ion Ratio Lower Upper
65 100
67 54.3 0.0 111.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070536.D
Acq: 30 Sep 2021 12:22

Tgt Ion:114 Resp: 890568
Ion Ratio Lower Upper
114 100
63 19.8 0.0 43.4
88 16.4 0.0 33.4





#35

Dibromofluoromethane

Concen: 45.733 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070536.D

Acq: 30 Sep 2021 12:22

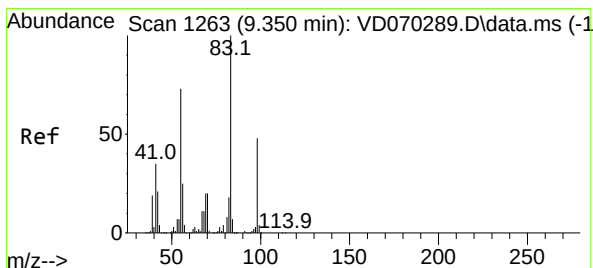
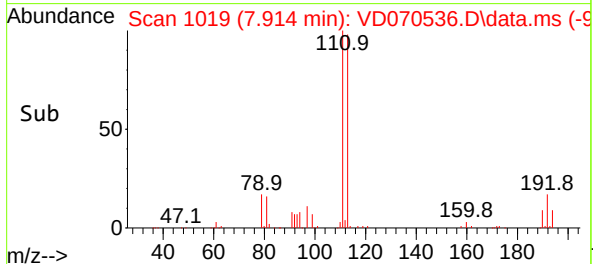
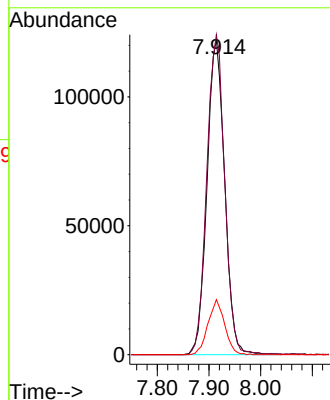
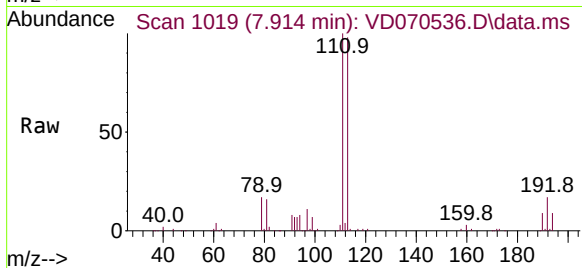
Tgt Ion:113 Resp: 289912

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.2

192 16.5 13.0 19.6



#39

Methylcyclohexane

Concen: 14.702 ug/l

RT: 9.108 min Scan# 1222

Delta R.T. -0.241 min

Lab File: VD070536.D

Acq: 30 Sep 2021 12:22

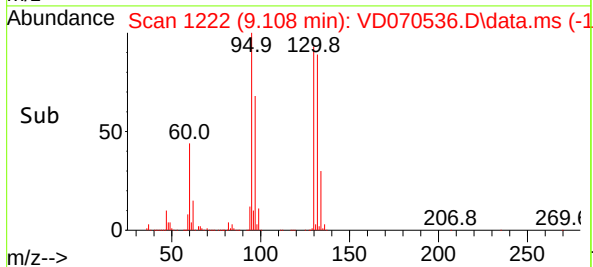
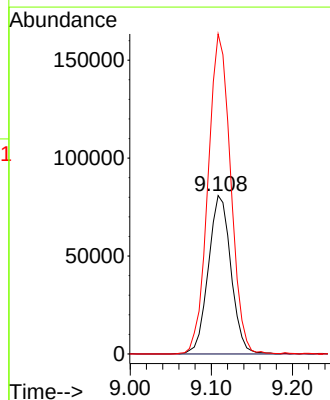
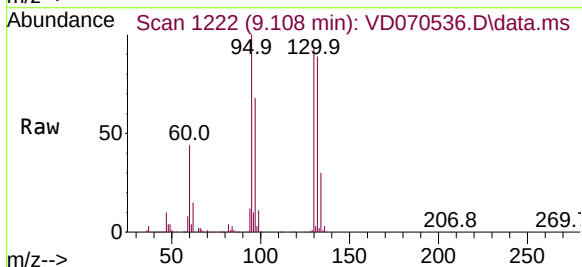
Tgt Ion: 83 Resp: 156342

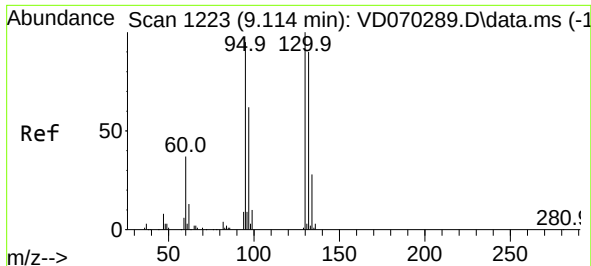
Ion Ratio Lower Upper

83 100

55 0.0 58.5 87.7#

98 201.8 38.4 57.6#

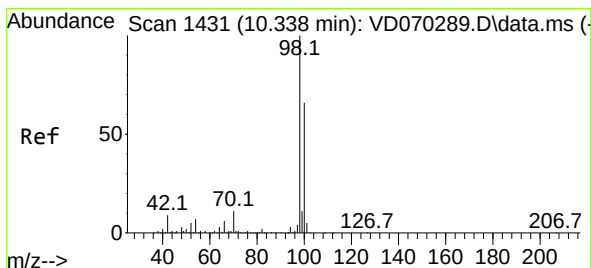
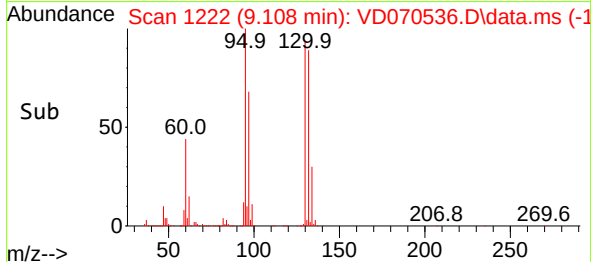
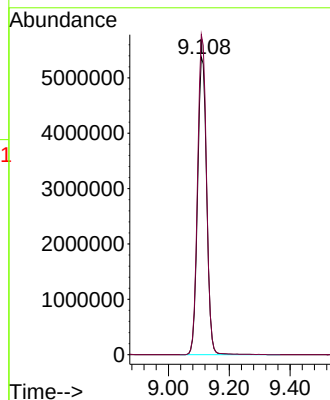
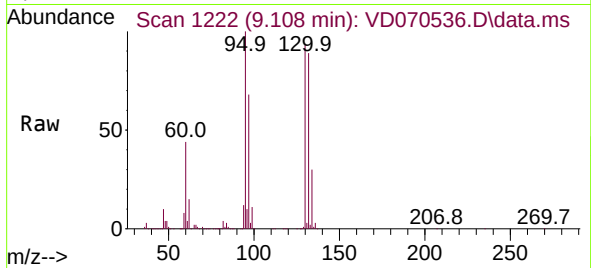




#44
Trichloroethene
Concen: 1662.798 ug/l
RT: 9.108 min Scan# 1222
Delta R.T. -0.006 min
Lab File: VD070536.D
Acq: 30 Sep 2021 12:22

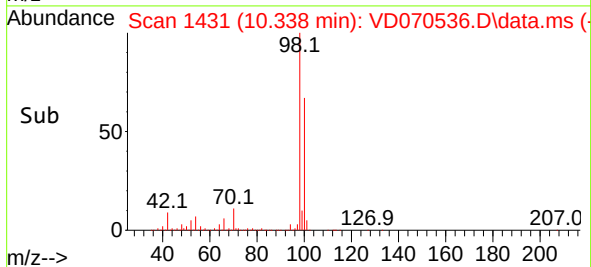
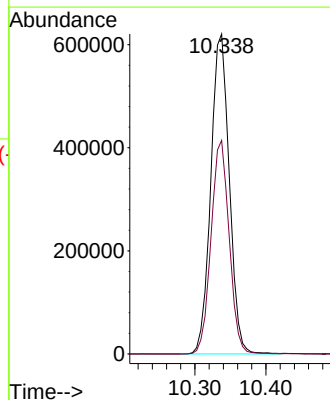
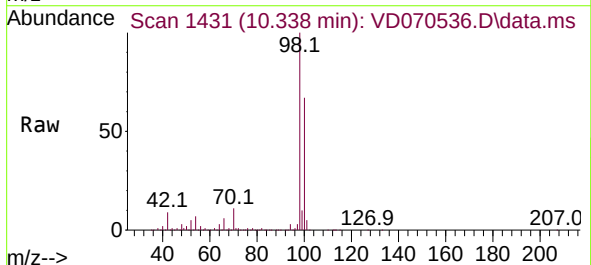
Instrument :
MSVOA_D
ClientSampleId :

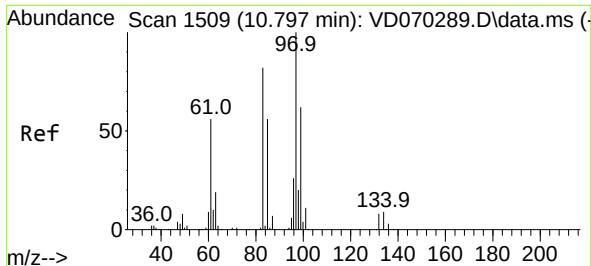
Tgt Ion:130 Resp:11085653
Ion Ratio Lower Upper
130 100
95 107.5 0.0 190.0



#50
Toluene-d8
Concen: 48.673 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070536.D
Acq: 30 Sep 2021 12:22

Tgt Ion: 98 Resp: 1120258
Ion Ratio Lower Upper
98 100
100 65.5 52.0 78.0

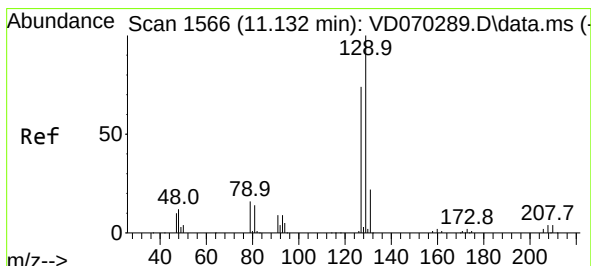
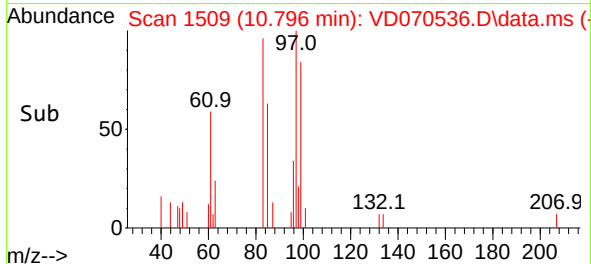
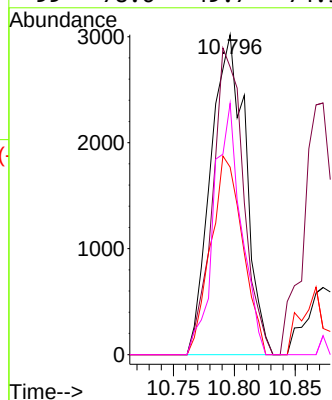
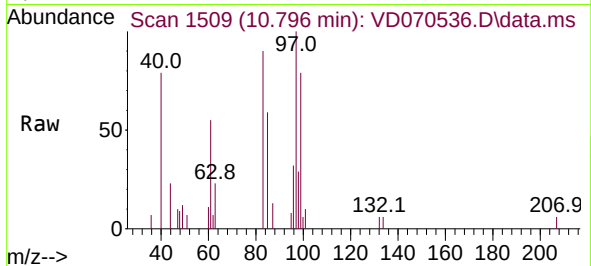




#55
1,1,2-Trichloroethane
Concen: 1.155 ug/l
RT: 10.796 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VD070536.D
Acq: 30 Sep 2021 12:22

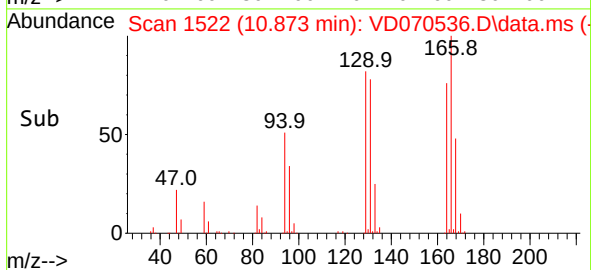
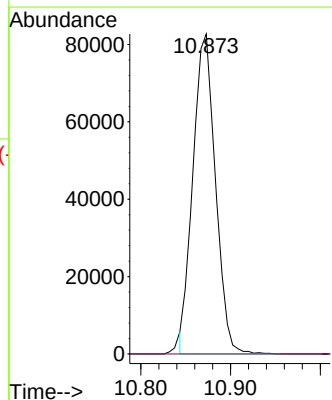
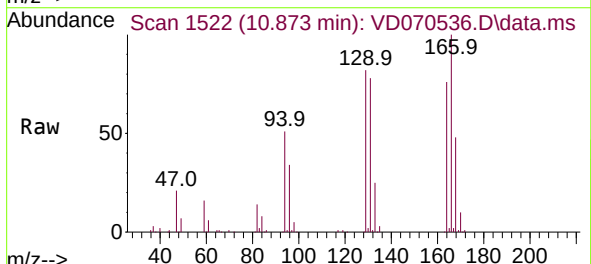
Instrument :
MSVOA_D
ClientSampled :

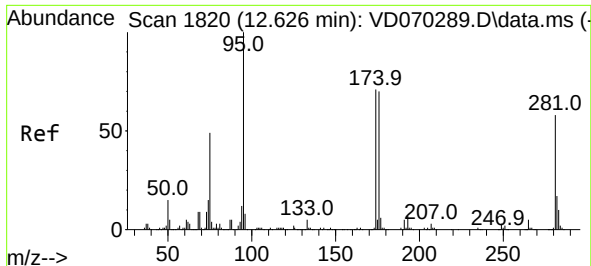
Tgt Ion:	97	Resp:	5989
Ion	Ratio	Lower	Upper
97	100		
83	89.9	65.3	97.9
85	58.6	44.8	67.2
99	78.6	49.7	74.5#



#60
Dibromochloromethane
Concen: 23.913 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.259 min
Lab File: VD070536.D
Acq: 30 Sep 2021 12:22

Tgt Ion:	129	Resp:	144282
Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.0	114.0#

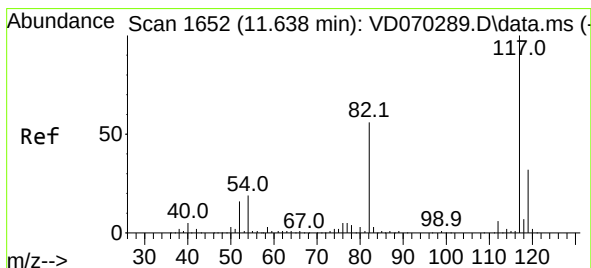
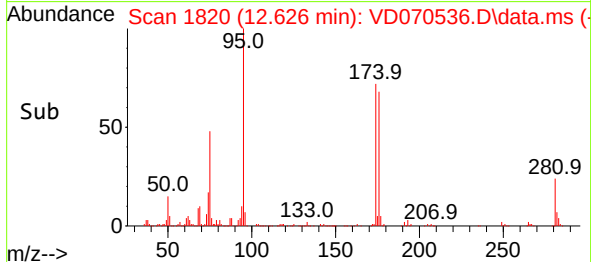
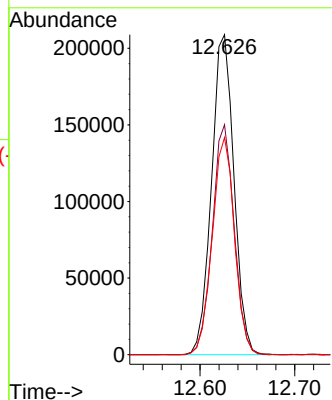
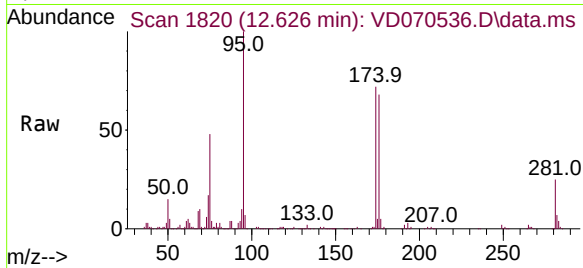




#62
4-Bromofluorobenzene
Concen: 42.698 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070536.D
Acq: 30 Sep 2021 12:22

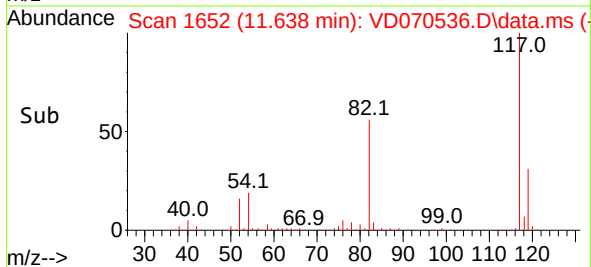
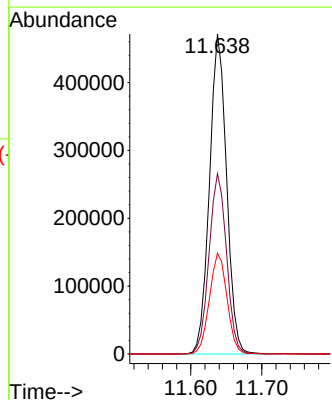
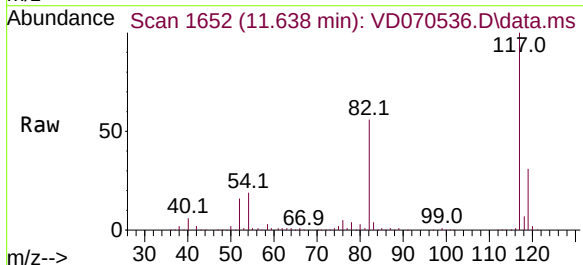
Instrument :
MSVOA_D
ClientSampleId :

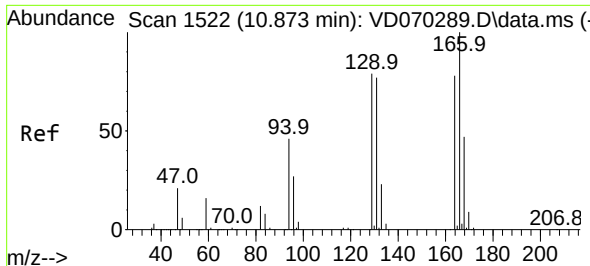
Tgt Ion: 95 Resp: 343458
Ion Ratio Lower Upper
95 100
174 70.1 0.0 140.6
176 67.3 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070536.D
Acq: 30 Sep 2021 12:22

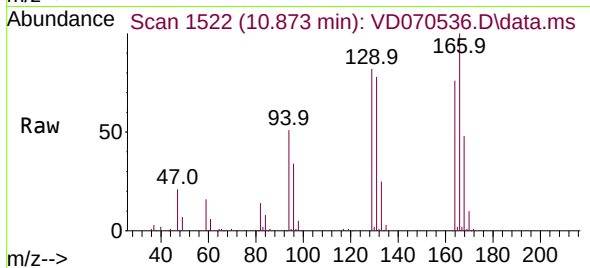
Tgt Ion: 117 Resp: 789132
Ion Ratio Lower Upper
117 100
82 56.4 45.0 67.4
119 31.5 25.2 37.8



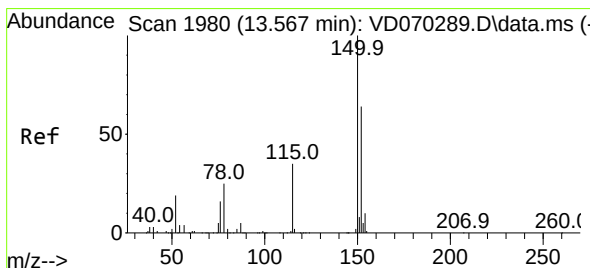
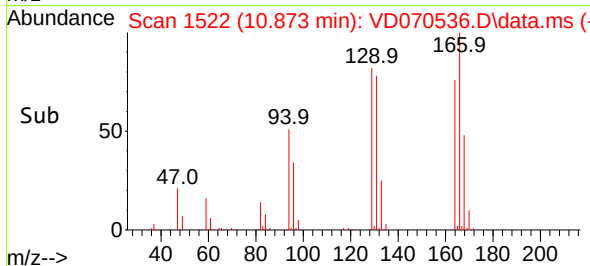
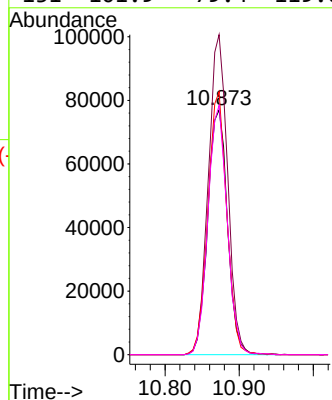


#64
Tetrachloroethene
Concen: 29.571 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.000 min
Lab File: VD070536.D
Acq: 30 Sep 2021 12:22

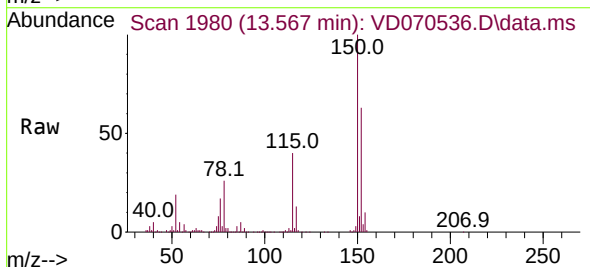
Instrument :
MSVOA_D
ClientSampleId :



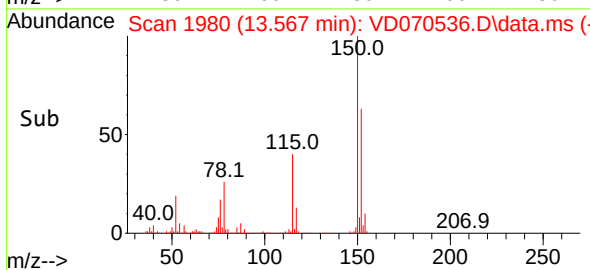
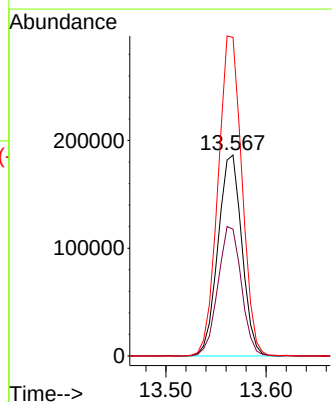
Tgt Ion:	164	Resp:	142075
Ion	Ratio	Lower	Upper
164	100		
166	130.8	102.4	153.6
129	107.5	80.9	121.3
131	101.9	79.4	119.0

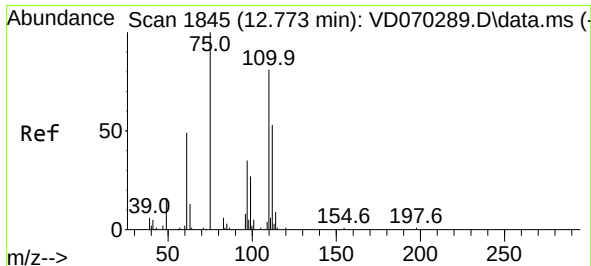


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070536.D
Acq: 30 Sep 2021 12:22



Tgt Ion:	152	Resp:	308140
Ion	Ratio	Lower	Upper
152	100		
115	63.5	32.1	96.3
150	159.6	0.0	350.6

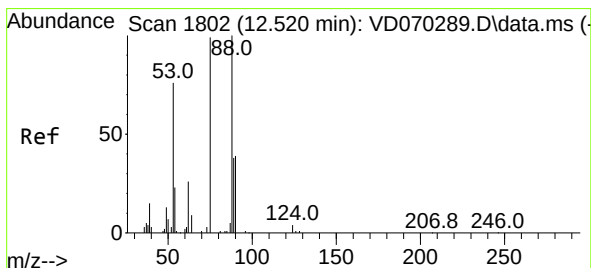
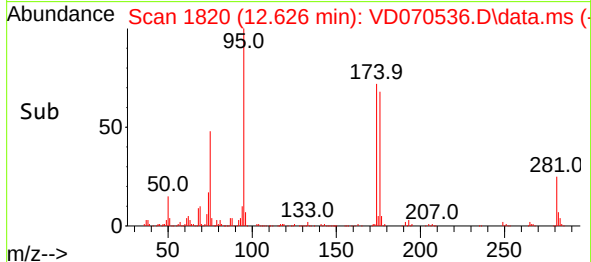
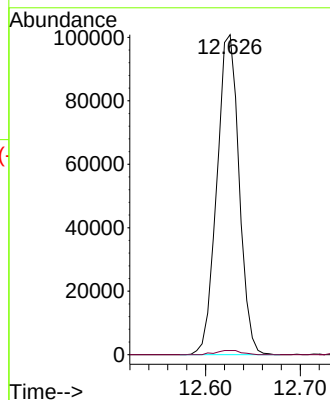
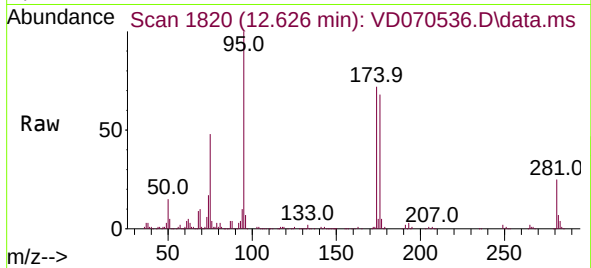




#76
1,2,3-Trichloropropane
Concen: 52.742 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070536.D
Acq: 30 Sep 2021 12:22

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 164390
Ion Ratio Lower Upper
75 100
77 1.5 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 132.150 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070536.D
Acq: 30 Sep 2021 12:22

Tgt Ion: 75 Resp: 164390
Ion Ratio Lower Upper
75 100
53 0.2 64.2 96.2#
89 0.3 35.6 53.4#

