

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD093021\
 Data File : VD070539.D
 Acq On : 30 Sep 2021 14:24
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 01 02:04:30 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

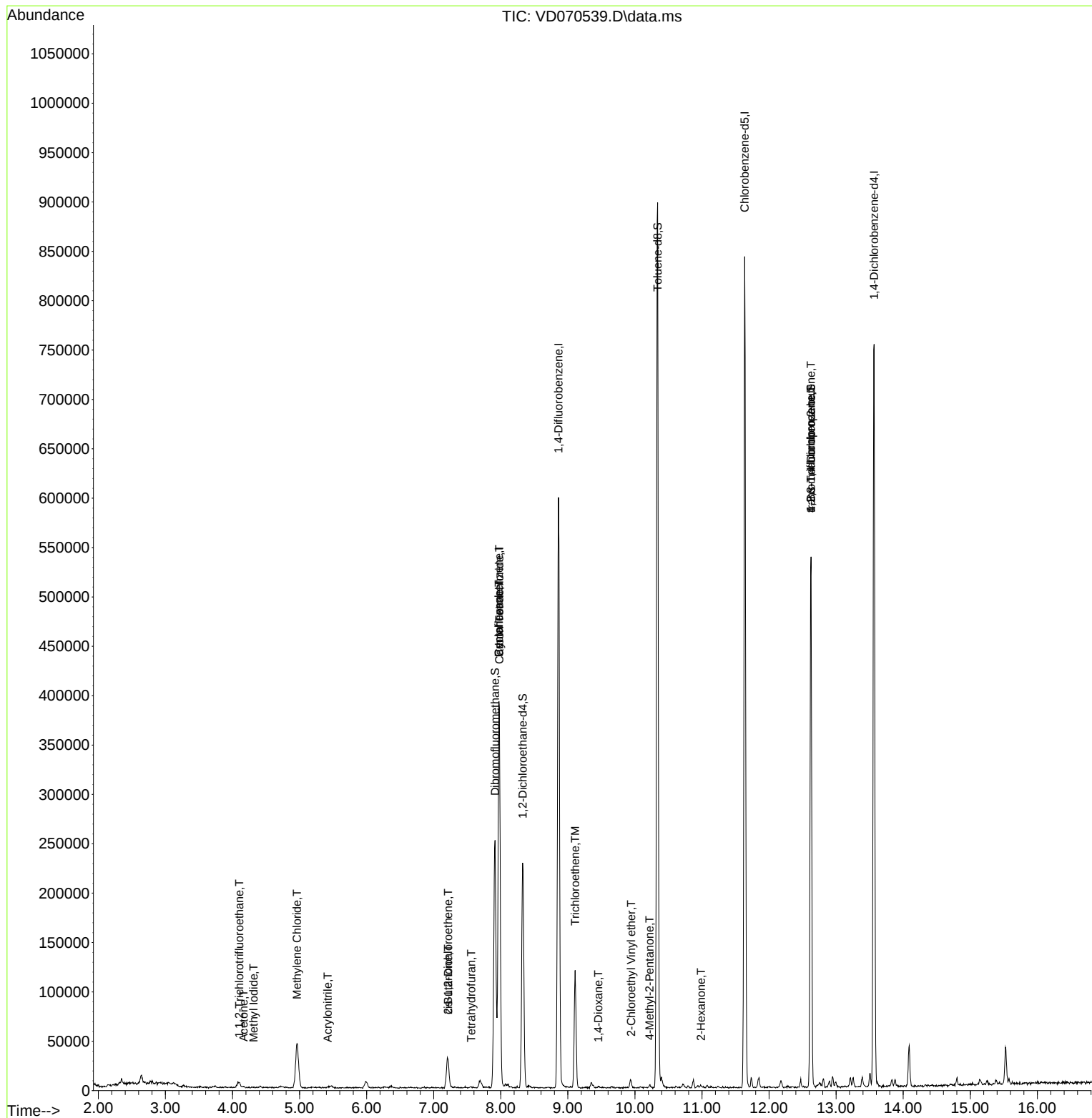
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.973	168	269784	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	525142	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	491972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	207548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	180738	52.175	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.340%	
35) Dibromofluoromethane	7.914	113	185875	49.725	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.460%	
50) Toluene-d8	10.338	98	628861	46.336	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 92.680%	
62) 4-Bromofluorobenzene	12.626	95	190096	40.078	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 80.160%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	891	Below Cal		78
3) Chloromethane	2.203	50	912	Below Cal	#	42
5) Bromomethane	2.791	94	1324	Below Cal	#	57
6) Chloroethane	2.915	64	418	Below Cal	#	43
9) 1,1,2-Trichlorotrifluo...	4.103	101	4196	1.203	ug/l #	73
10) Methyl Iodide	4.314	142	552	1.191	ug/l #	39
15) Acrylonitrile	5.420	53	1385	1.873	ug/l #	61
16) Acetone	4.167	43	2448	3.958	ug/l #	82
20) Methylene Chloride	4.962	84	37348	2.839	ug/l	93
25) 2-Butanone	7.214	43	1538	1.868	ug/l #	79
27) cis-1,2-Dichloroethene	7.214	96	19649	4.892	ug/l	88
29) Tetrahydrofuran	7.561	42	656	1.241	ug/l #	88
31) Cyclohexane	7.973	56	7389	1.238	ug/l #	1
38) Carbon Tetrachloride	7.979	117	31346	5.647	ug/l #	18
44) Trichloroethene	9.108	130	42249	10.747	ug/l	83
49) 1,4-Dioxane	9.455	88	76	3.414	ug/l #	45
51) 4-Methyl-2-Pentanone	10.220	43	2239	1.115	ug/l #	85
58) 2-Chloroethyl Vinyl ether	9.944	63	3953	2.457	ug/l	96
59) 2-Hexanone	10.985	43	1791	1.337	ug/l	94
76) 1,2,3-Trichloropropane	12.626	75	92113	43.876	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	92113	109.936	ug/l #	17

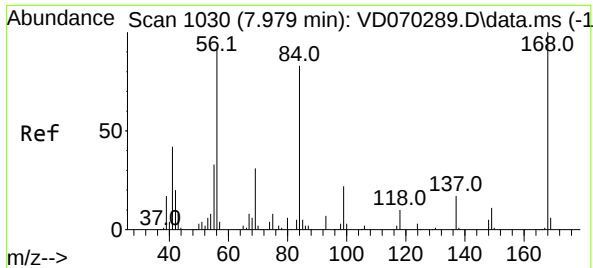
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 09 03:07:09 2021
Response via : Initial Calibration

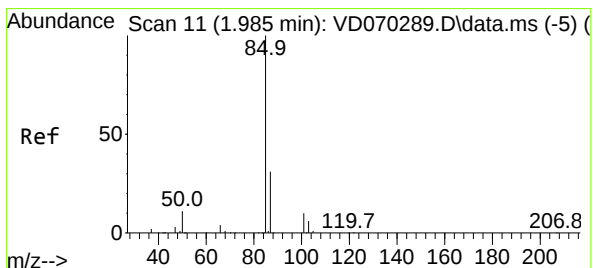
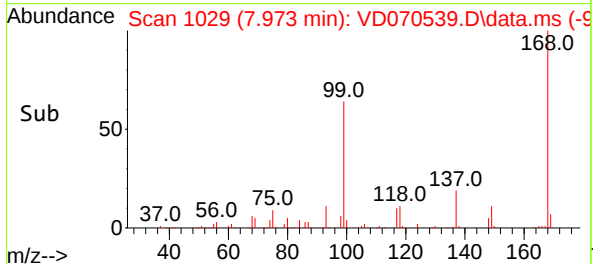
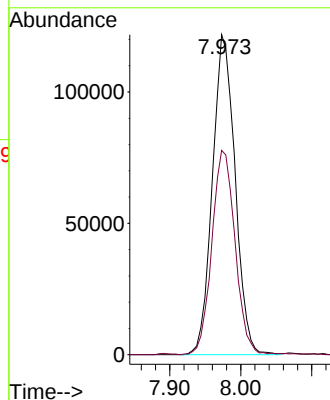
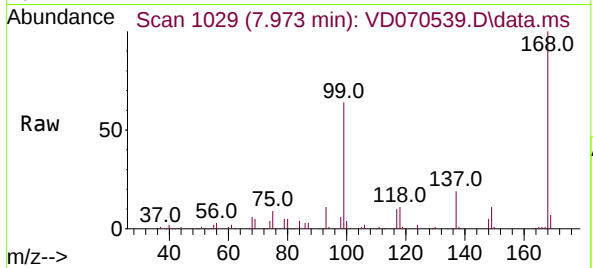




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070539.D
Acq: 30 Sep 2021 14:24

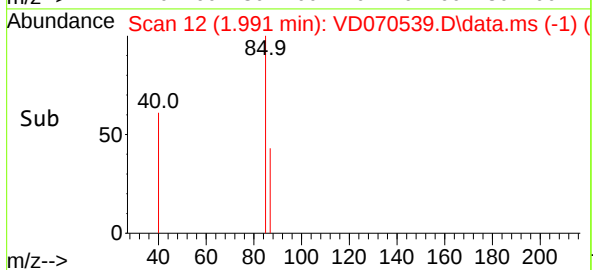
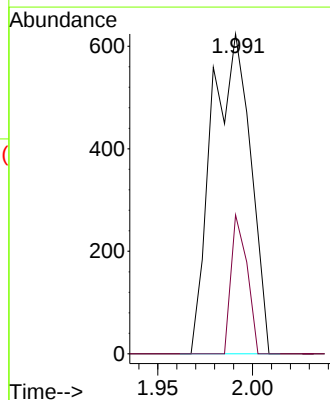
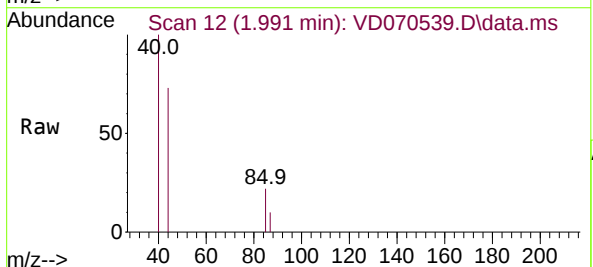
Instrument :
MSVOA_D
ClientSampleId :

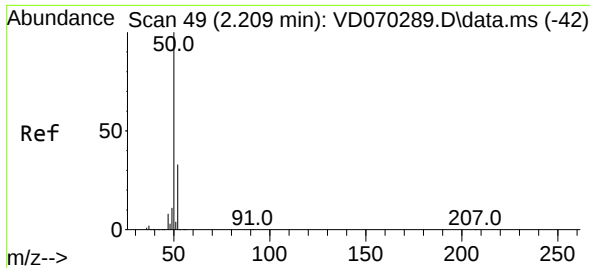
Tgt Ion:168 Resp: 269784
Ion Ratio Lower Upper
168 100
99 63.8 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070539.D
Acq: 30 Sep 2021 14:24

Tgt Ion: 85 Resp: 891
Ion Ratio Lower Upper
85 100
87 43.4 15.6 46.8

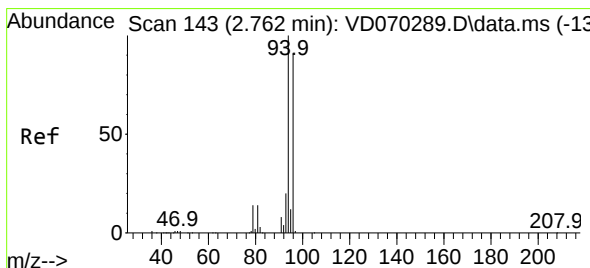
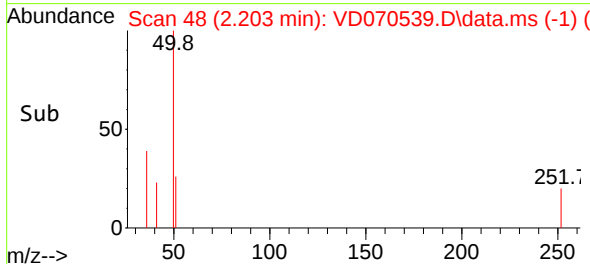
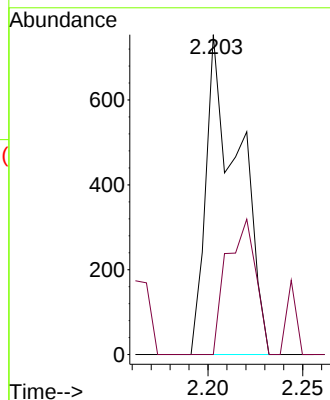
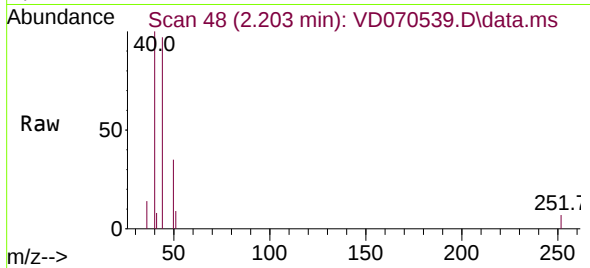




#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070539.D
Acq: 30 Sep 2021 14:24

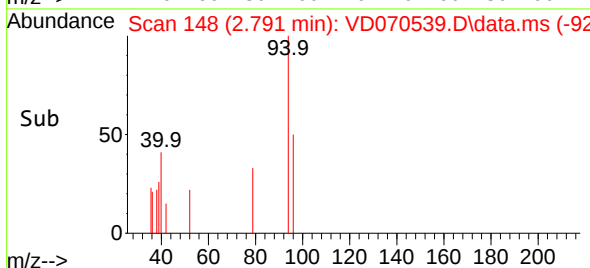
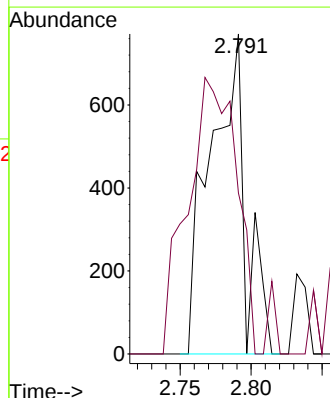
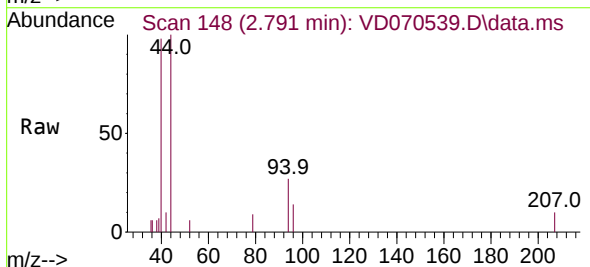
Instrument :
MSVOA_D
ClientSampleId :

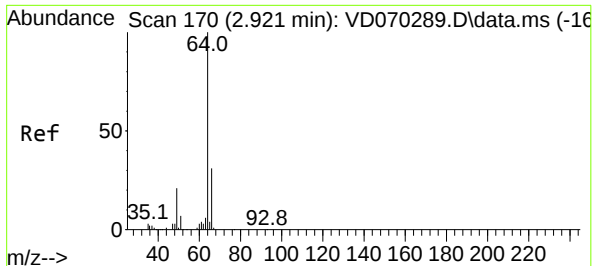
Tgt Ion: 50 Resp: 912
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 148
Delta R.T. 0.029 min
Lab File: VD070539.D
Acq: 30 Sep 2021 14:24

Tgt Ion: 94 Resp: 1324
Ion Ratio Lower Upper
94 100
96 50.3 73.0 109.6#

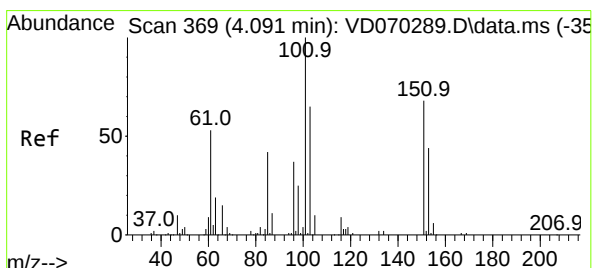
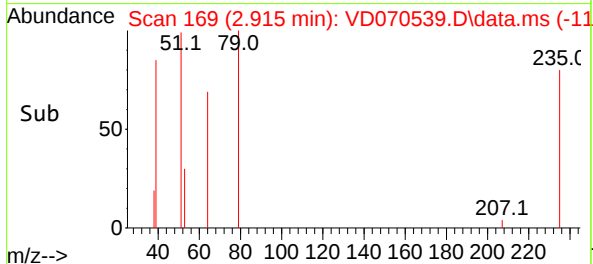
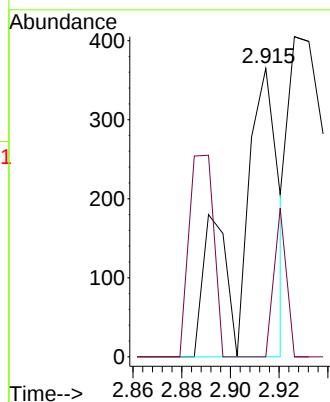
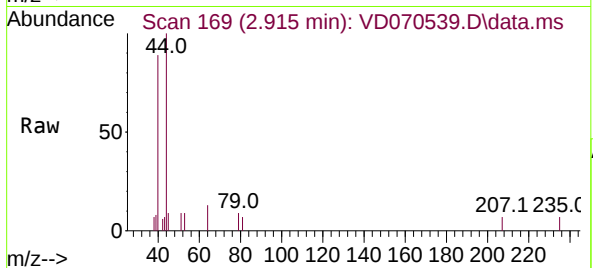




#6
Chloroethane
Concen: Below Cal
RT: 2.915 min Scan# 169
Delta R.T. -0.006 min
Lab File: VD070539.D
Acq: 30 Sep 2021 14:24

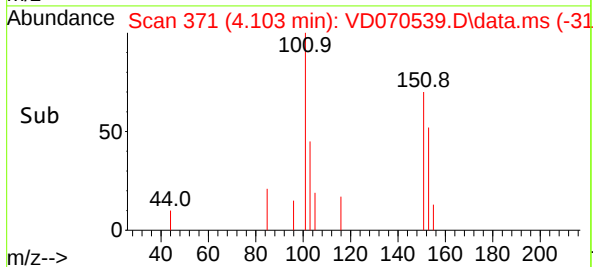
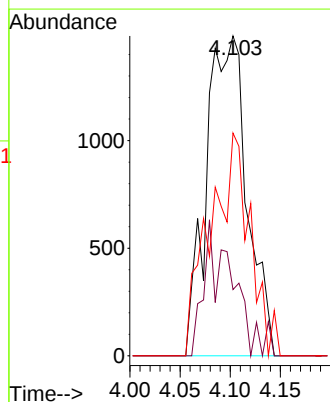
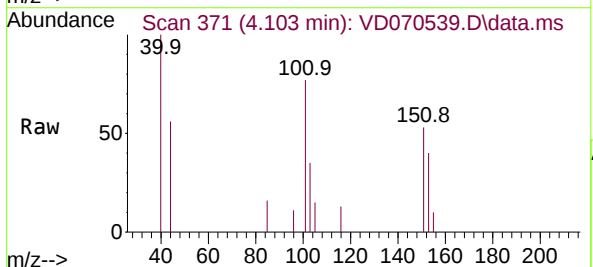
Instrument :
MSVOA_D
ClientSampleId :

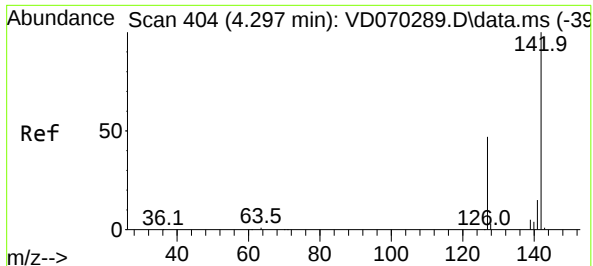
Tgt Ion: 64 Resp: 418
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.203 ug/l
RT: 4.103 min Scan# 371
Delta R.T. 0.012 min
Lab File: VD070539.D
Acq: 30 Sep 2021 14:24

Tgt Ion: 101 Resp: 4196
Ion Ratio Lower Upper
101 100
85 0.0 33.8 50.8#
151 67.8 55.8 83.6

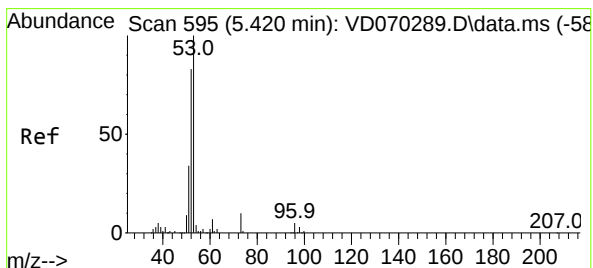
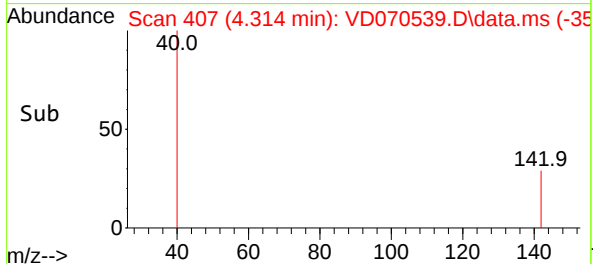
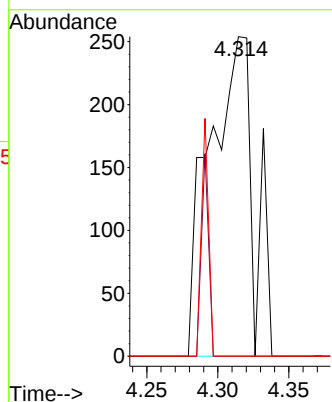
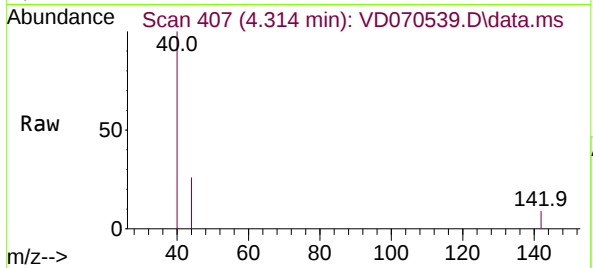




#10
Methyl Iodide
Concen: 1.191 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.017 min
Lab File: VD070539.D
Acq: 30 Sep 2021 14:24

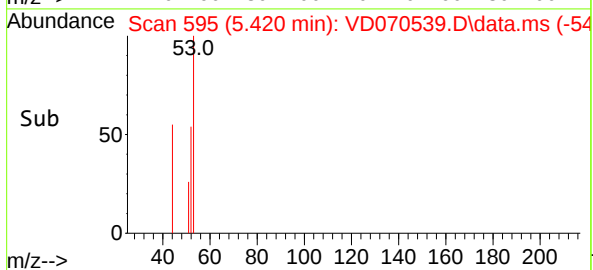
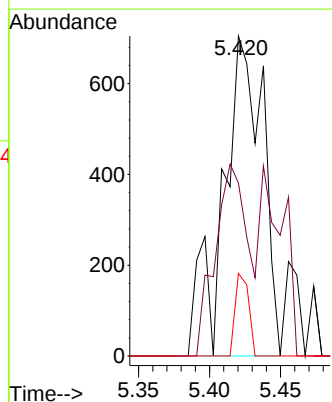
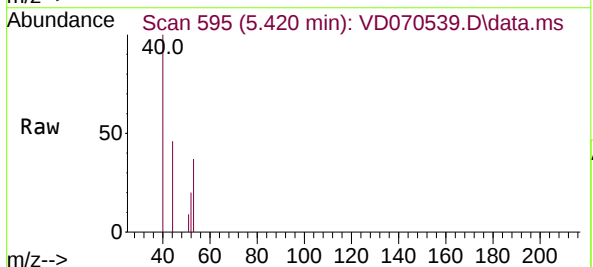
Instrument :
MSVOA_D
ClientSampled :

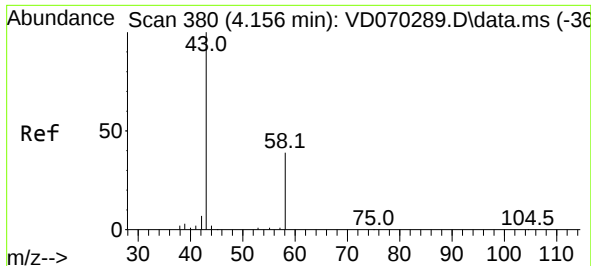
Tgt Ion:142 Resp: 552
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#



#15
Acrylonitrile
Concen: 1.873 ug/l
RT: 5.420 min Scan# 595
Delta R.T. -0.000 min
Lab File: VD070539.D
Acq: 30 Sep 2021 14:24

Tgt Ion: 53 Resp: 1385
Ion Ratio Lower Upper
53 100
52 49.0 64.6 97.0#
51 8.7 27.8 41.8#

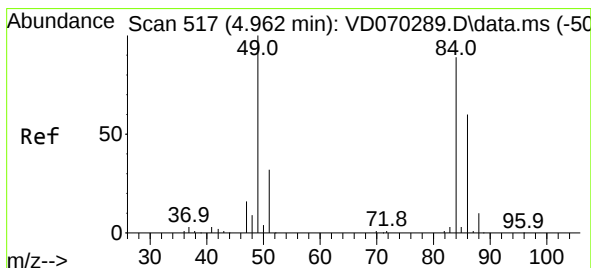
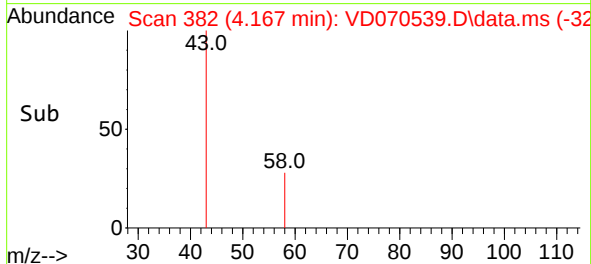
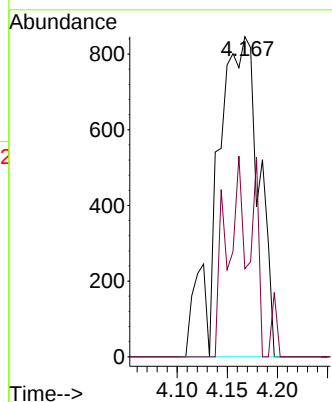
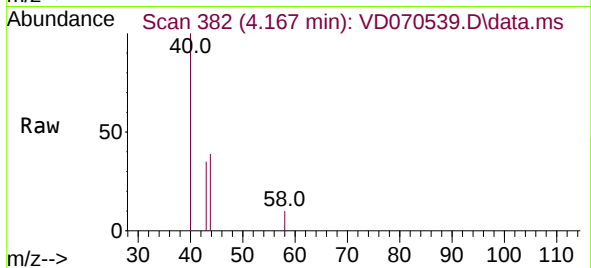




#16
Acetone
Concen: 3.958 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070539.D
Acq: 30 Sep 2021 14:24

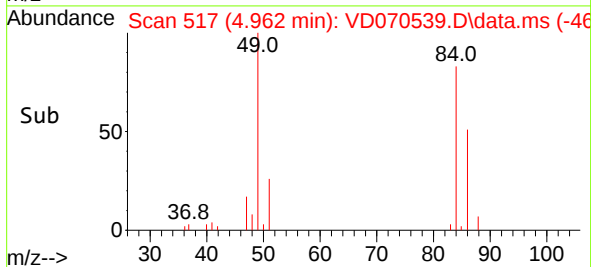
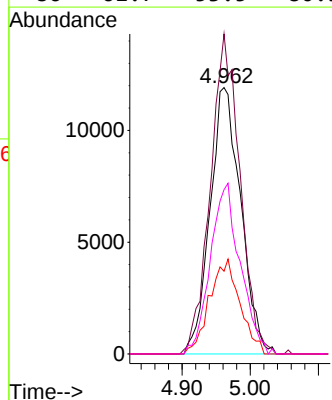
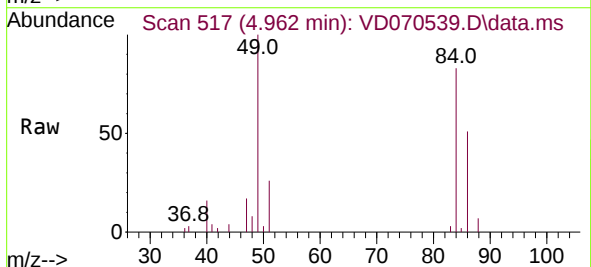
Instrument :
MSVOA_D
ClientSampled :

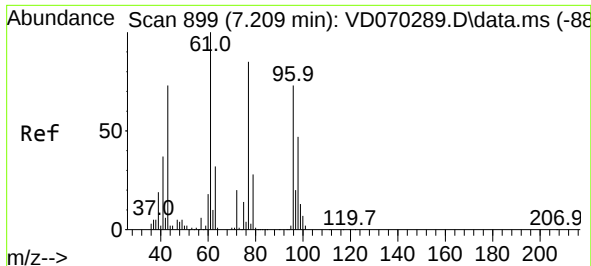
Tgt Ion: 43 Resp: 2448
Ion Ratio Lower Upper
43 100
58 27.5 30.9 46.3#



#20
Methylene Chloride
Concen: 2.839 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD070539.D
Acq: 30 Sep 2021 14:24

Tgt Ion: 84 Resp: 37348
Ion Ratio Lower Upper
84 100
49 120.1 89.6 134.4
51 31.0 28.6 43.0
86 61.7 53.5 80.3

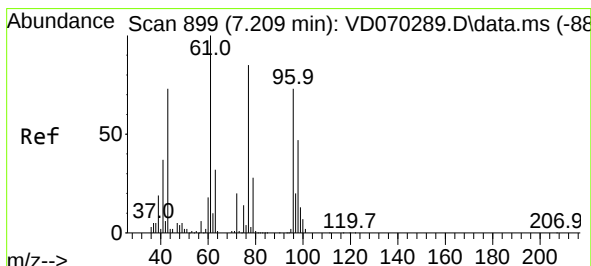
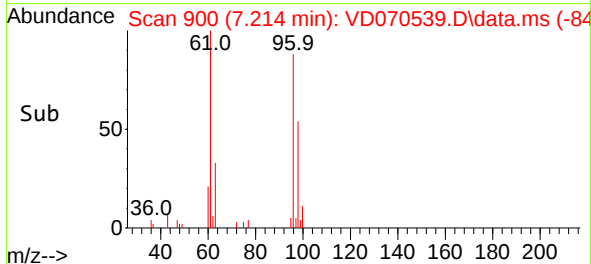
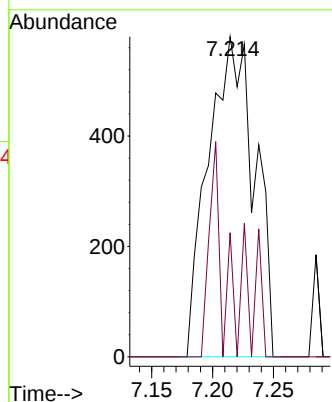
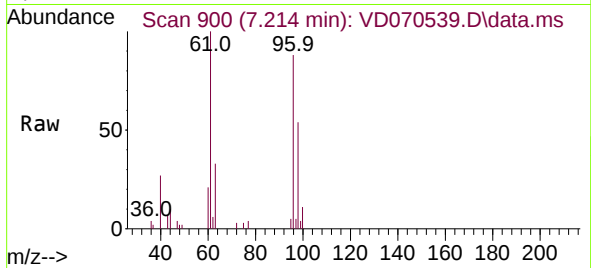




#25
2-Butanone
Concen: 1.868 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD070539.D
Acq: 30 Sep 2021 14:24

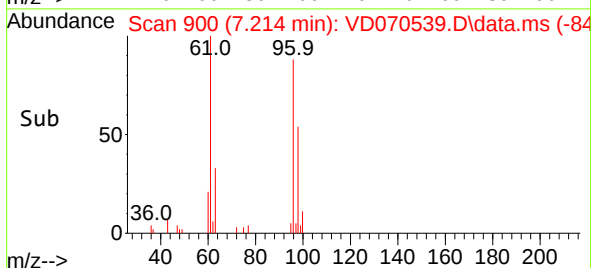
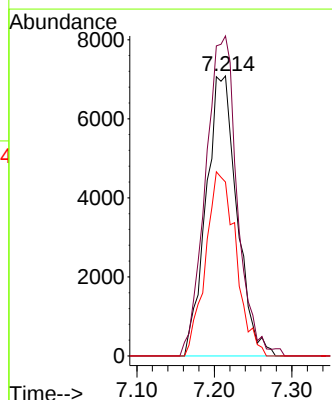
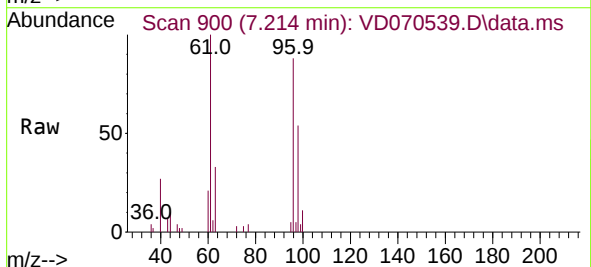
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MSVOA_D
ClientSampled :

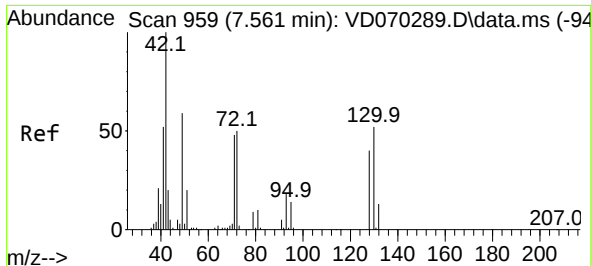
Tgt Ion: 43 Resp: 1538
Ion Ratio Lower Upper
43 100
72 38.8 22.2 33.4#



#27
cis-1,2-Dichloroethene
Concen: 4.892 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD070539.D
Acq: 30 Sep 2021 14:24

Tgt Ion: 96 Resp: 19649
Ion Ratio Lower Upper
96 100
61 117.2 0.0 277.4
98 64.6 0.0 130.0





#29

Tetrahydrofuran

Concen: 1.241 ug/l

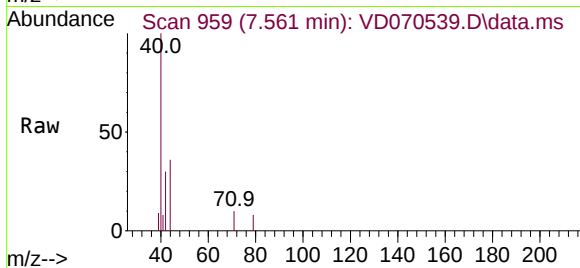
RT: 7.561 min Scan# 959

Delta R.T. -0.000 min

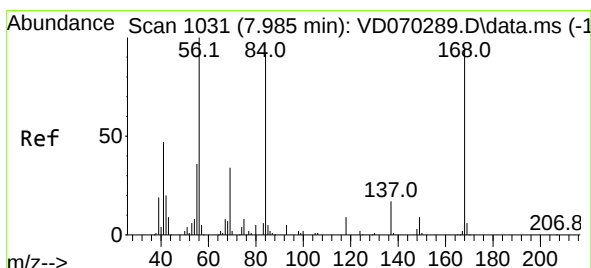
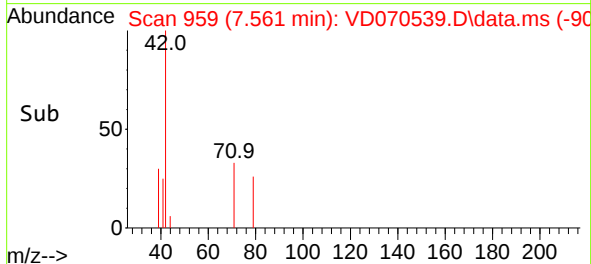
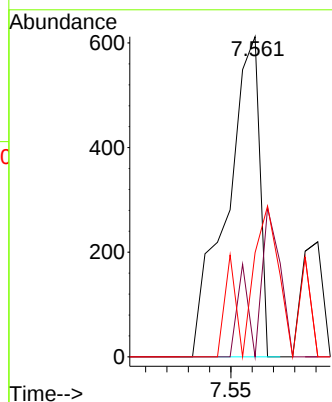
Lab File: VD070539.D

Acq: 30 Sep 2021 14:24

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	42	Resp:	656
Ion Ratio	Lower	Upper	
42	100		
72	34.5	38.8	58.2#
71	45.1	37.8	56.6



#31

Cyclohexane

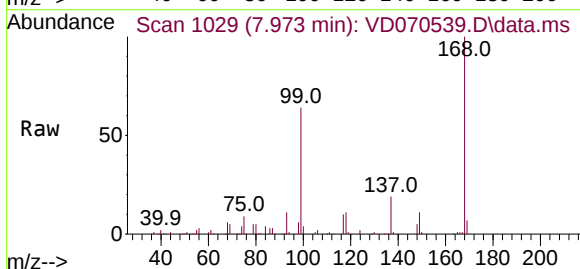
Concen: 1.238 ug/l

RT: 7.973 min Scan# 1029

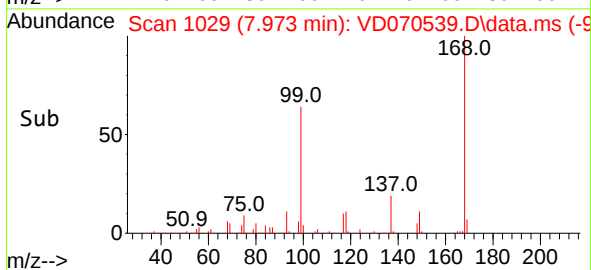
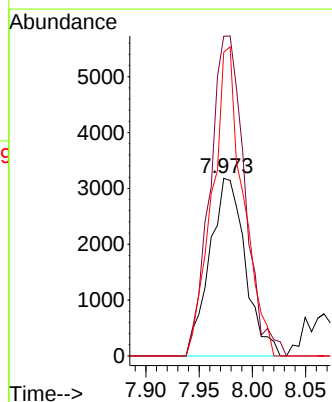
Delta R.T. -0.012 min

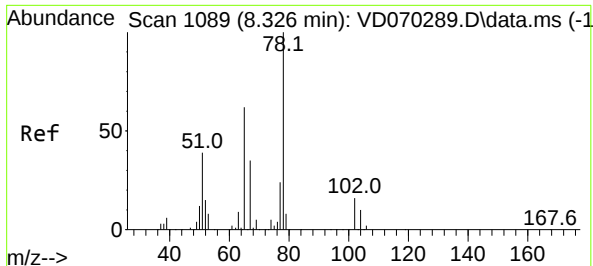
Lab File: VD070539.D

Acq: 30 Sep 2021 14:24



Tgt Ion:	56	Resp:	7389
Ion Ratio	Lower	Upper	
56	100		
69	179.9	26.9	40.3#
84	171.0	73.6	110.4#



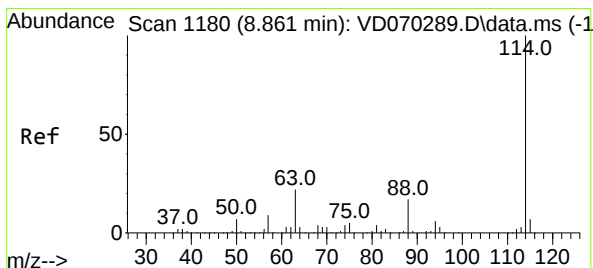
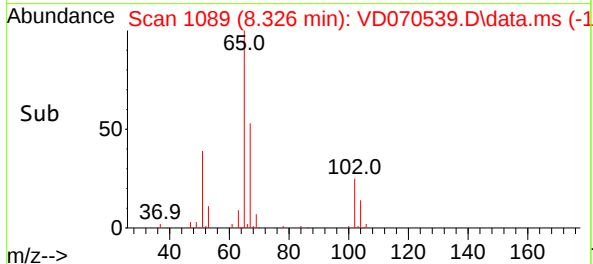
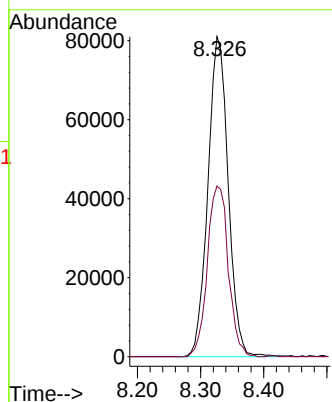
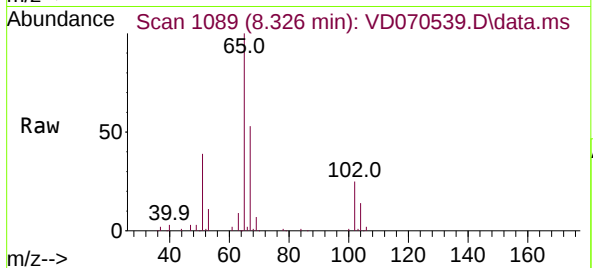


#33

1,2-Dichloroethane-d4
Concen: 52.175 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070539.D
Acq: 30 Sep 2021 14:24

Instrument :
MSVOA_D
ClientSampleId :

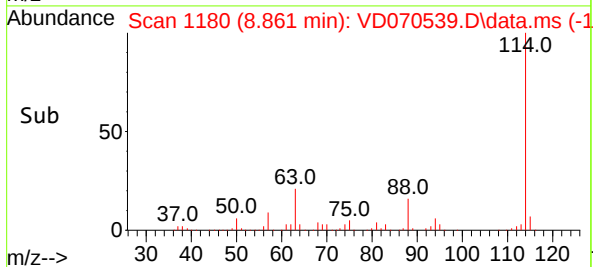
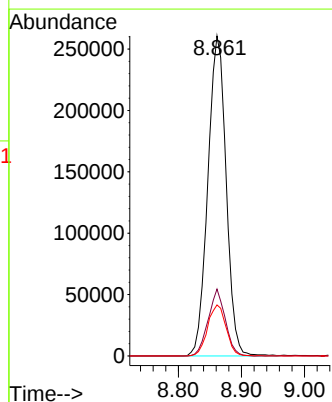
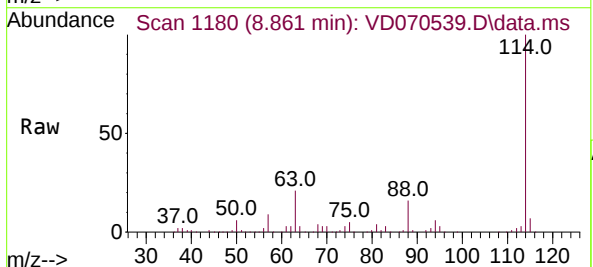
Tgt Ion: 65 Resp: 180738
Ion Ratio Lower Upper
65 100
67 55.1 0.0 111.4

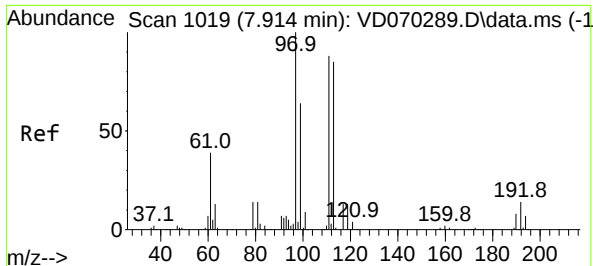


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070539.D
Acq: 30 Sep 2021 14:24

Tgt Ion: 114 Resp: 525142
Ion Ratio Lower Upper
114 100
63 20.9 0.0 43.4
88 16.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 49.725 ug/l

RT: 7.914 min Scan# 1019

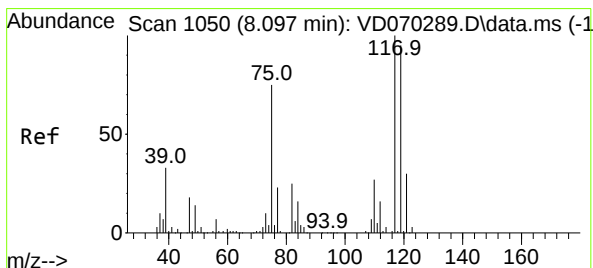
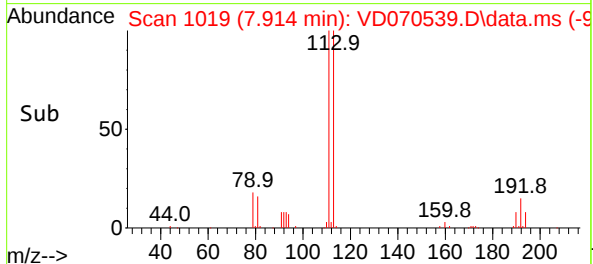
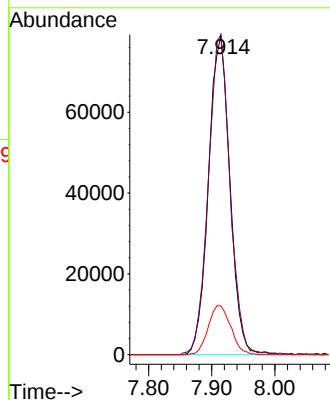
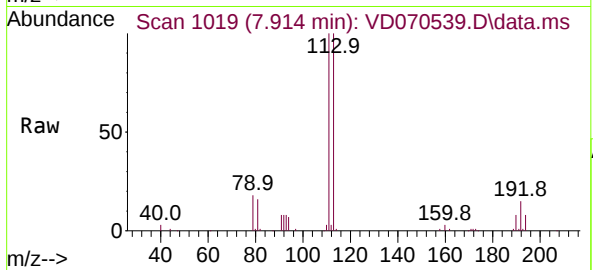
Delta R.T. -0.000 min

Lab File: VD070539.D

Acq: 30 Sep 2021 14:24

Tgt Ion:	113	Resp:	185875
Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.4	122.2
192	16.2	13.0	19.6

Instrument :
MSVOA_D
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.647 ug/l

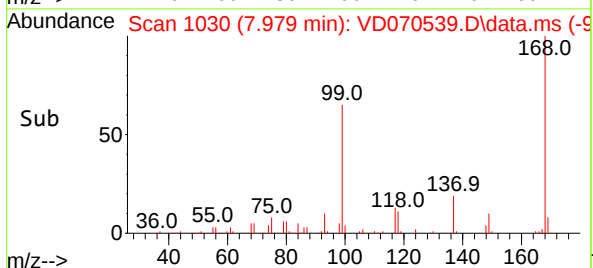
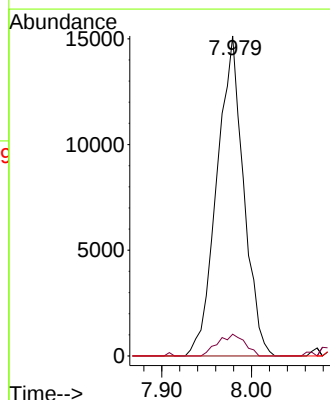
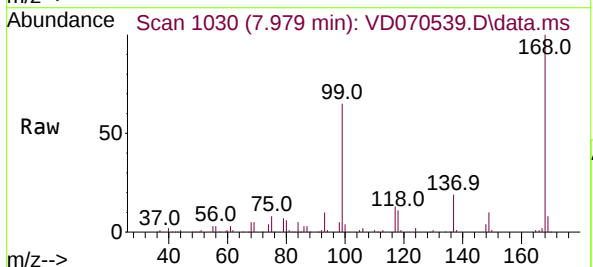
RT: 7.979 min Scan# 1030

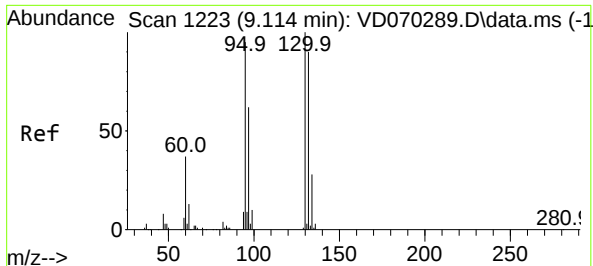
Delta R.T. -0.118 min

Lab File: VD070539.D

Acq: 30 Sep 2021 14:24

Tgt Ion:	117	Resp:	31346
Ion	Ratio	Lower	Upper
117	100		
119	6.8	76.1	114.1#
121	0.0	23.8	35.6#

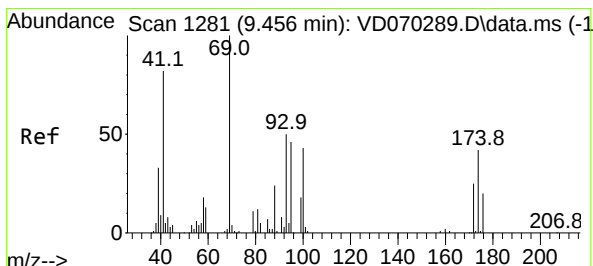
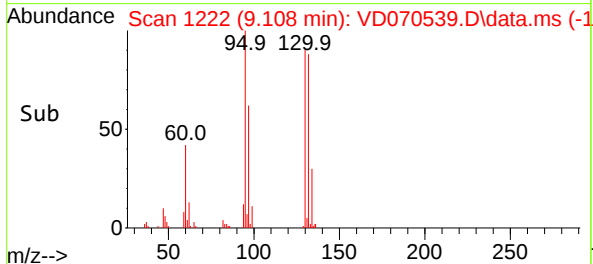
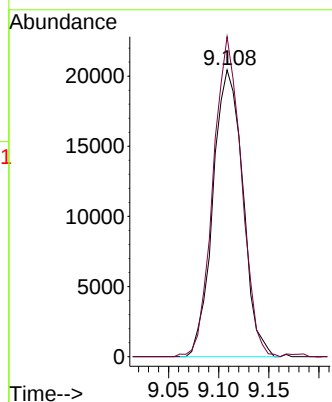
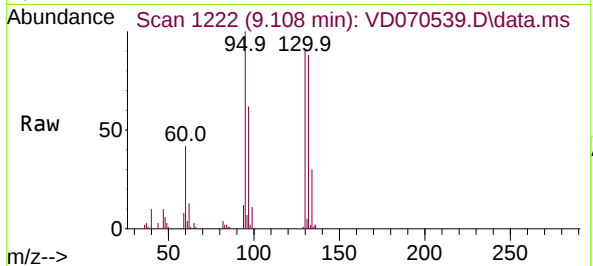




#44
Trichloroethene
Concen: 10.747 ug/l
RT: 9.108 min Scan# 1222
Delta R.T. -0.006 min
Lab File: VD070539.D
Acq: 30 Sep 2021 14:24

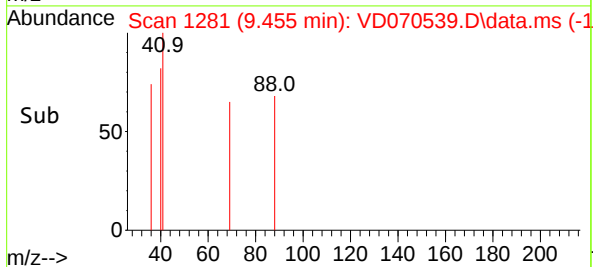
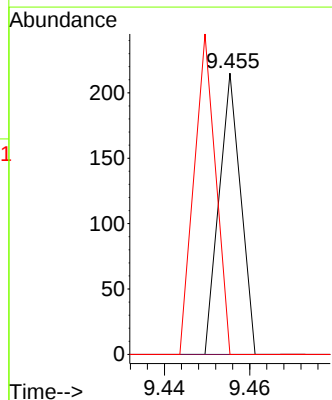
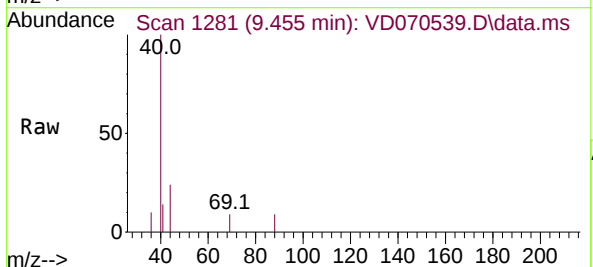
Instrument :
MSVOA_D
ClientSampleId :

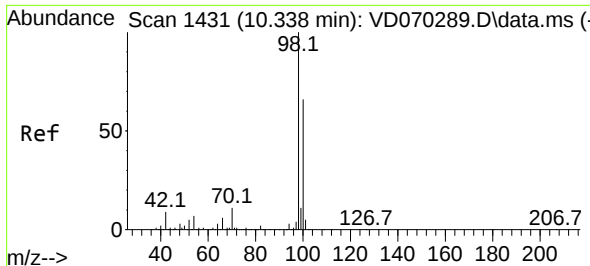
Tgt Ion:130 Resp: 42249
Ion Ratio Lower Upper
130 100
95 111.6 0.0 190.0



#49
1,4-Dioxane
Concen: 3.414 ug/l
RT: 9.455 min Scan# 1281
Delta R.T. -0.000 min
Lab File: VD070539.D
Acq: 30 Sep 2021 14:24

Tgt Ion: 88 Resp: 76
Ion Ratio Lower Upper
88 100
43 0.0 22.4 33.6#
58 113.2 54.2 81.4#

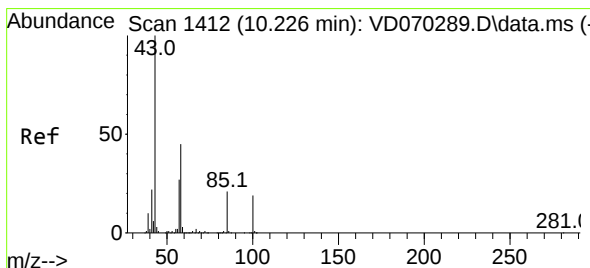
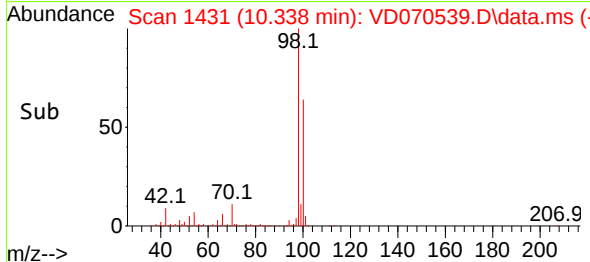
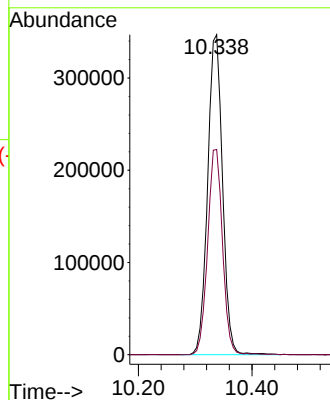
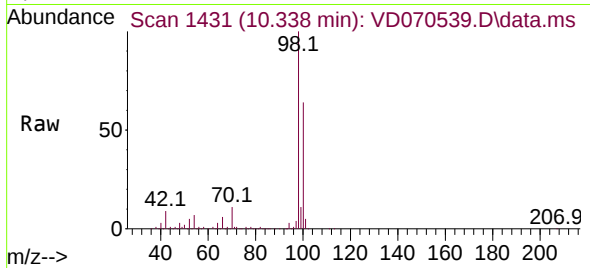




#50
Toluene-d8
Concen: 46.336 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070539.D
Acq: 30 Sep 2021 14:24

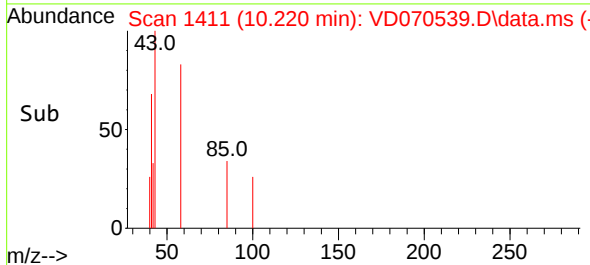
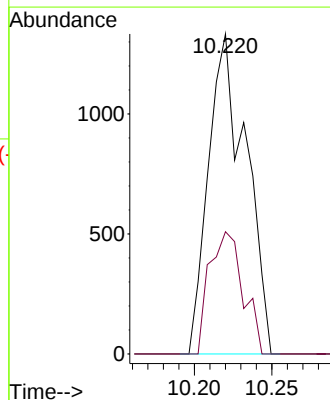
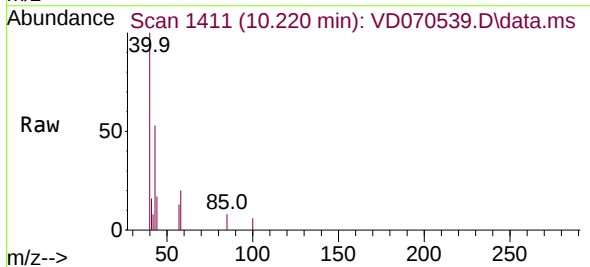
Instrument :
MSVOA_D
ClientSampled :

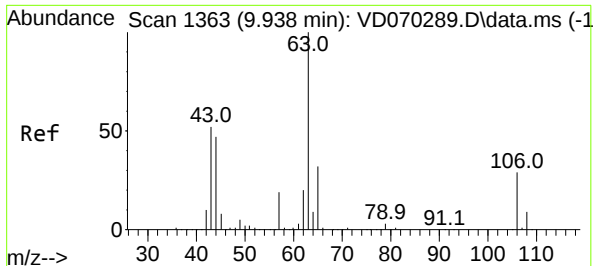
Tgt Ion: 98 Resp: 628861
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.115 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD070539.D
Acq: 30 Sep 2021 14:24

Tgt Ion: 43 Resp: 2239
Ion Ratio Lower Upper
43 100
58 34.3 35.4 53.2#

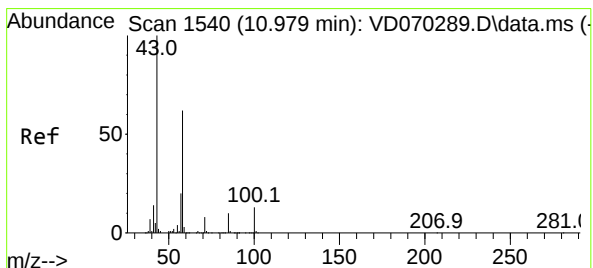
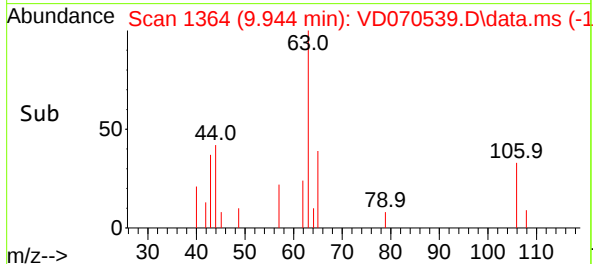
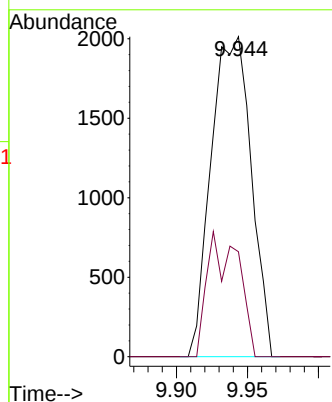
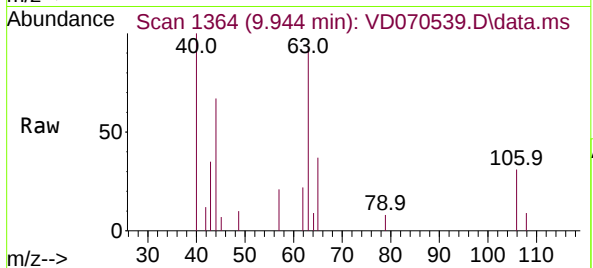




#58
2-Chloroethyl Vinyl ether
Concen: 2.457 ug/l
RT: 9.944 min Scan# 1364
Delta R.T. 0.006 min
Lab File: VD070539.D
Acq: 30 Sep 2021 14:24

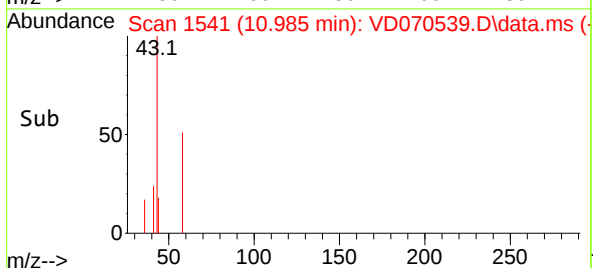
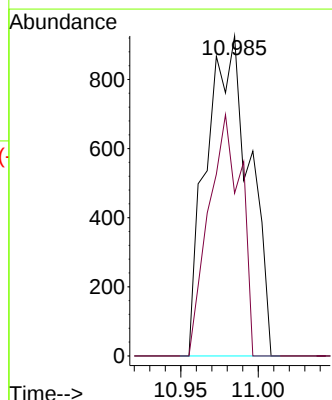
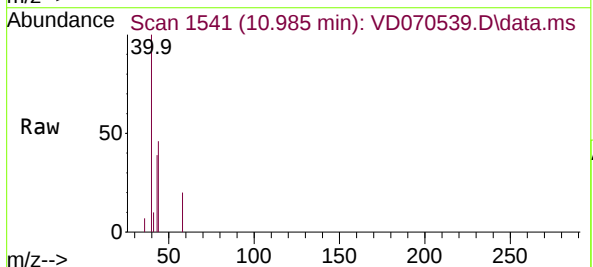
Instrument :
MSVOA_D
ClientSampled :

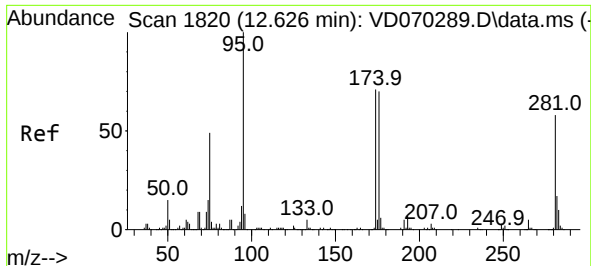
Tgt Ion: 63 Resp: 3953
Ion Ratio Lower Upper
63 100
106 30.1 22.3 33.5



#59
2-Hexanone
Concen: 1.337 ug/l
RT: 10.985 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VD070539.D
Acq: 30 Sep 2021 14:24

Tgt Ion: 43 Resp: 1791
Ion Ratio Lower Upper
43 100
58 56.6 30.6 91.6

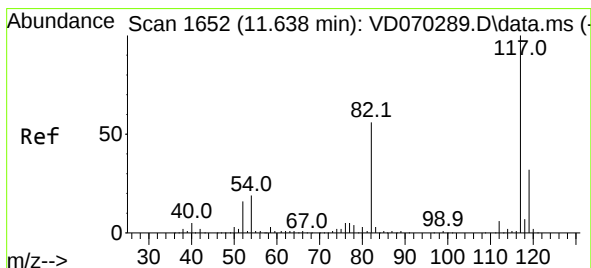
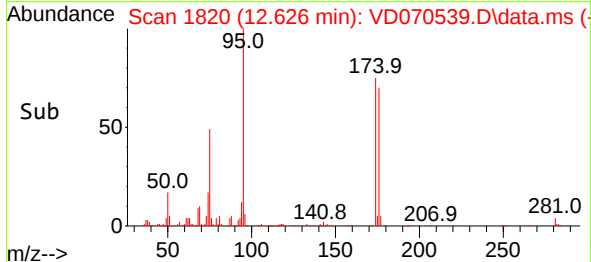
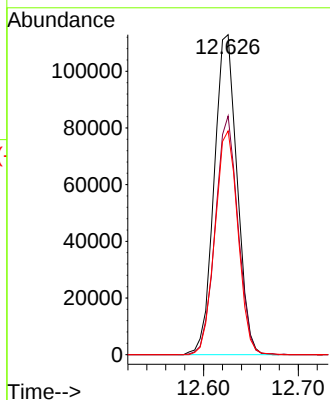
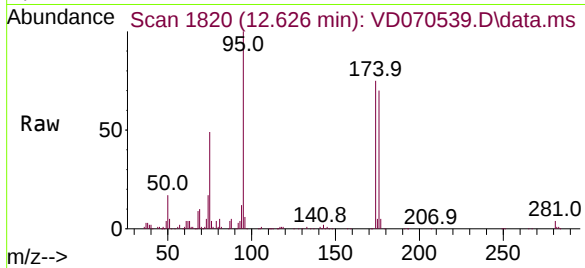




#62
4-Bromofluorobenzene
Concen: 40.078 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070539.D
Acq: 30 Sep 2021 14:24

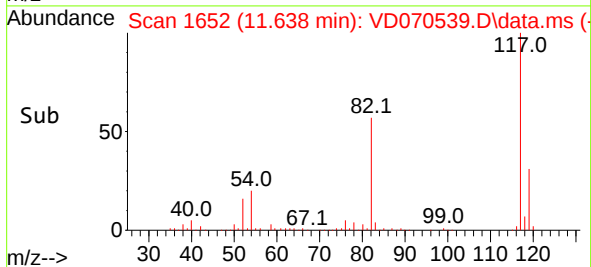
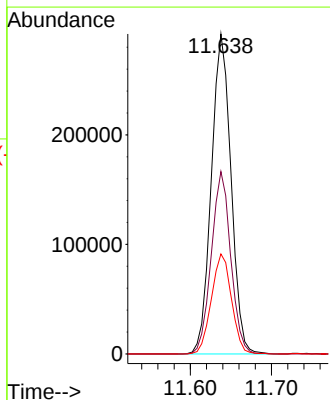
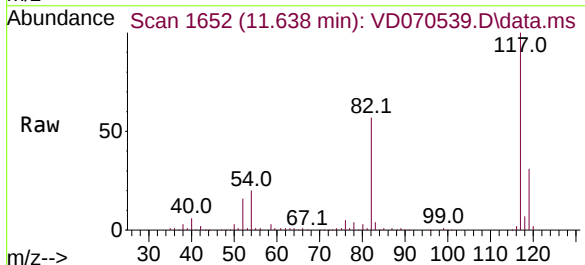
Instrument :
MSVOA_D
ClientSampleId :

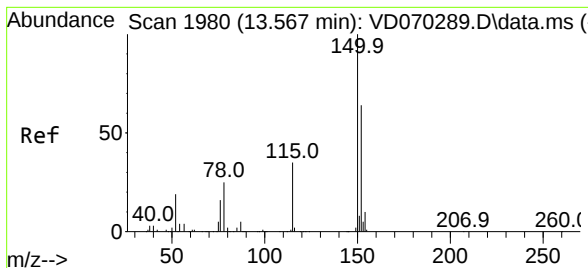
Tgt Ion: 95 Resp: 190096
Ion Ratio Lower Upper
95 100
174 73.7 0.0 140.6
176 70.1 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070539.D
Acq: 30 Sep 2021 14:24

Tgt Ion: 117 Resp: 491972
Ion Ratio Lower Upper
117 100
82 57.0 45.0 67.4
119 31.3 25.2 37.8

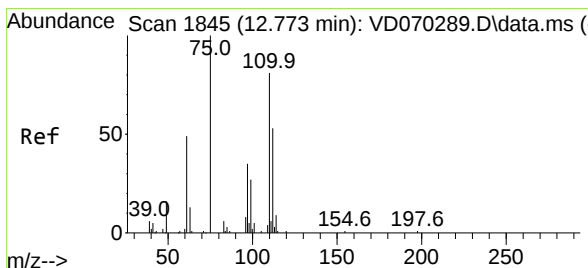
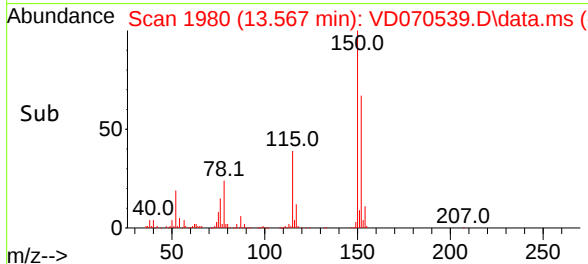
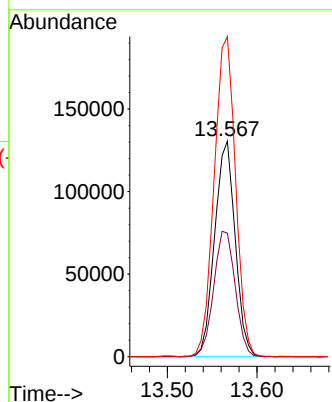
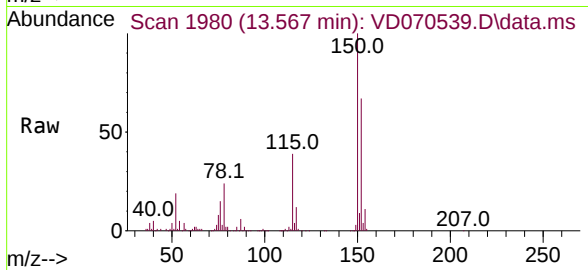




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070539.D
Acq: 30 Sep 2021 14:24

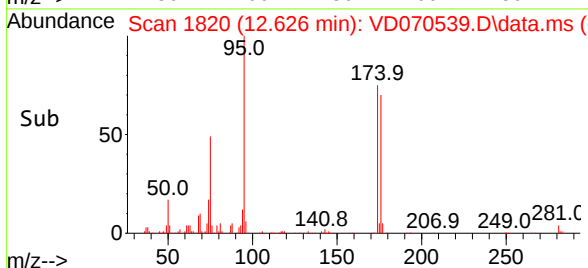
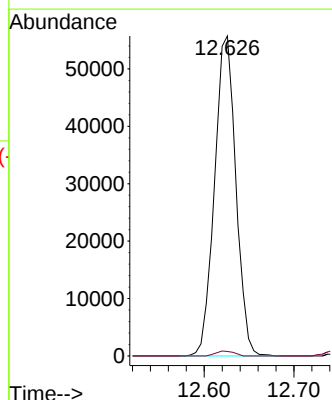
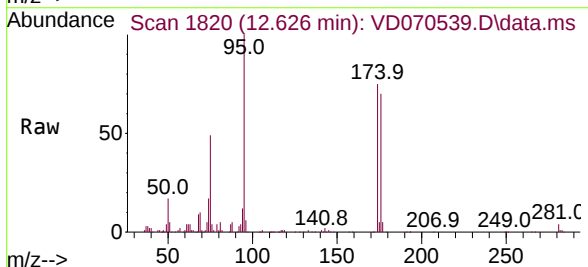
Instrument :
MSVOA_D
ClientSampleId :

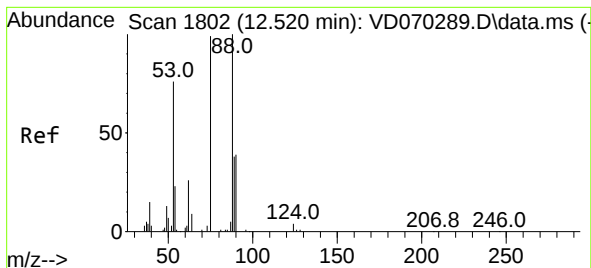
Tgt Ion:152 Resp: 207548
Ion Ratio Lower Upper
152 100
115 61.2 32.1 96.3
150 154.5 0.0 350.6



#76
1,2,3-Trichloropropane
Concen: 43.876 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070539.D
Acq: 30 Sep 2021 14:24

Tgt Ion: 75 Resp: 92113
Ion Ratio Lower Upper
75 100
77 1.3 174.9 524.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 109.936 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. 0.106 min

Lab File: VD070539.D

Acq: 30 Sep 2021 14:24

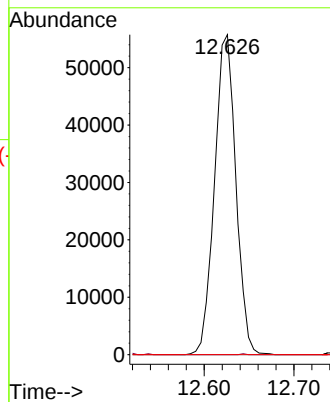
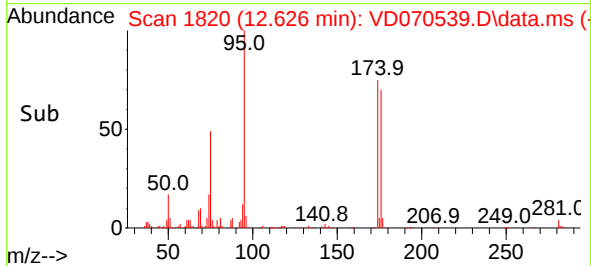
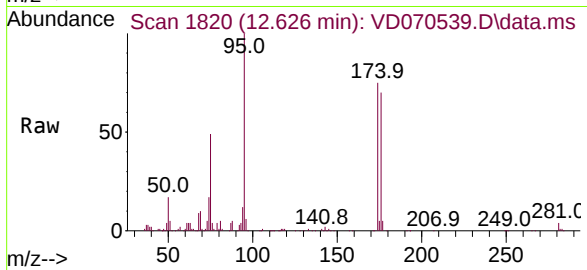
Tgt Ion: 75 Resp: 92113

Ion Ratio Lower Upper

75 100

53 0.1 64.2 96.2#

89 0.0 35.6 53.4#



Instrument :
MSVOA_D
ClientSampleId :