

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092421\
 Data File : VD070448.D
 Acq On : 24 Sep 2021 12:08
 Operator : VA/SY
 Sample : M3913-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 25 03:07:41 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)

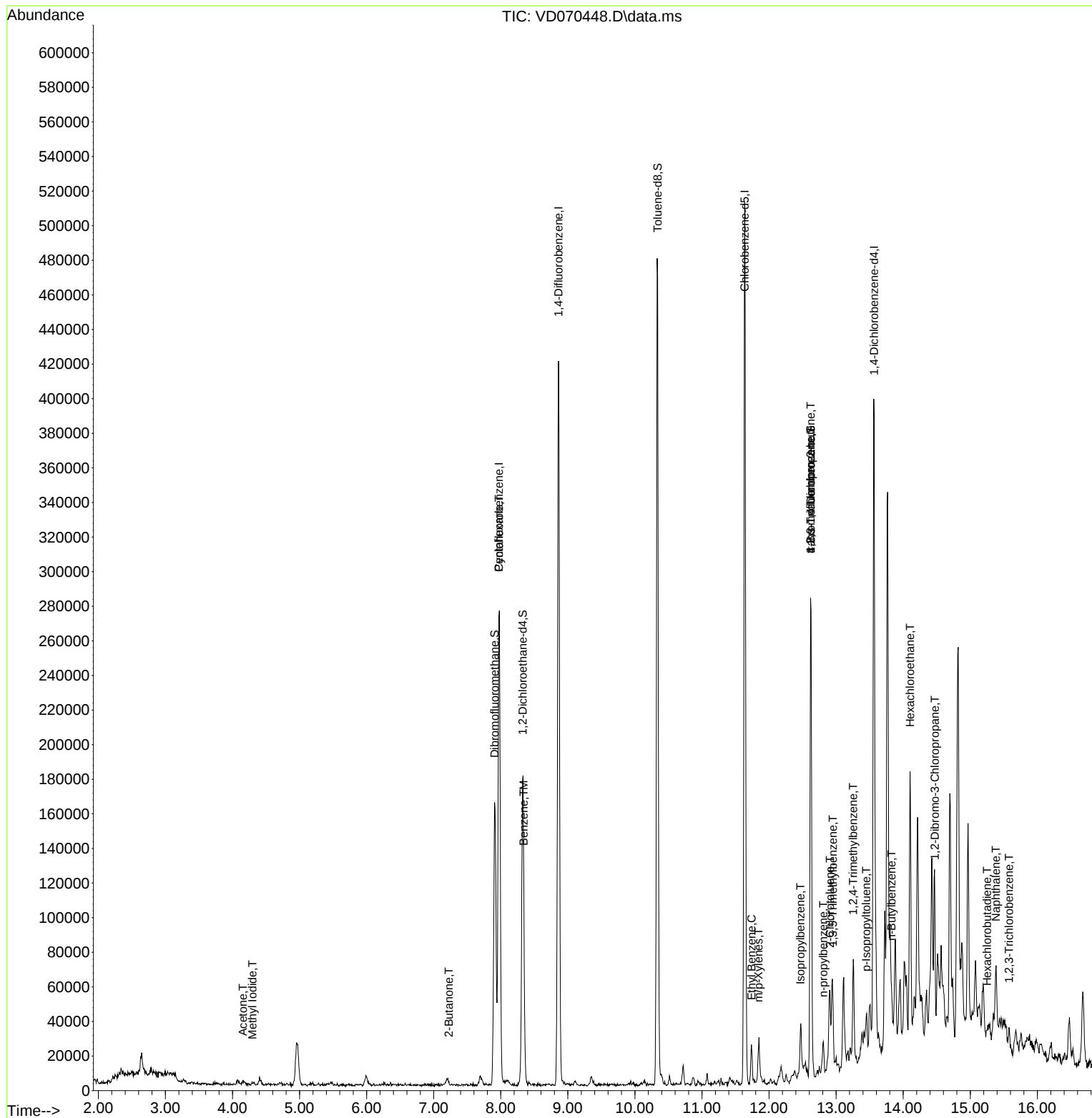
Internal Standards						
1) Pentafluorobenzene	7.973	168	190806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	362906	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	303176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	104467	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	140799	57.469	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.940%	
35) Dibromofluoromethane	7.908	113	123681	47.879	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.760%	
50) Toluene-d8	10.338	98	335290	35.749	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 71.500%	
62) 4-Bromofluorobenzene	12.620	95	98701	30.112	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 60.220%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.985	85	1001	Below Cal		98
3) Chloromethane	2.215	50	1802	Below Cal		96
5) Bromomethane	2.791	94	2166	Below Cal		87
6) Chloroethane	2.932	64	633	Below Cal	#	55
10) Methyl Iodide	4.297	142	689	1.315	ug/l #	57
16) Acetone	4.156	43	3188	7.288	ug/l	91
18) Methyl Acetate	4.703	43	215	Below Cal	#	48
25) 2-Butanone	7.226	43	703	1.207	ug/l #	47
31) Cyclohexane	7.973	56	5743	1.361	ug/l #	1
40) Benzene	8.344	78	15885	1.397	ug/l #	87
67) Ethyl Benzene	11.738	91	13744	1.269	ug/l	96
68) m/p-Xylenes	11.843	106	4794	1.146	ug/l	88
73) Isopropylbenzene	12.467	105	12573	1.716	ug/l	99
76) 1,2,3-Trichloropropane	12.620	75	47764	45.201	ug/l #	1
78) n-propylbenzene	12.808	91	16167	1.700	ug/l	95
79) 2-Chlorotoluene	12.908	91	6433	1.161	ug/l #	60
80) 1,3,5-Trimethylbenzene	12.949	105	13284	2.101	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.620	75	47764	113.256	ug/l #	18
84) 1,2,4-Trimethylbenzene	13.255	105	33544	5.387	ug/l	100
86) p-Isopropyltoluene	13.449	119	6852	1.058	ug/l	92
89) n-Butylbenzene	13.826	91	14804	2.293	ug/l #	77
90) Hexachloroethane	14.102	117	11365	7.666	ug/l #	19
92) 1,2-Dibromo-3-Chloropr...	14.473	75	1122	4.775	ug/l #	5
94) Hexachlorobutadiene	15.249	225	1035	1.006	ug/l #	26
95) Naphthalene	15.384	128	39150	12.848	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.579	180	1619	1.094	ug/l #	39

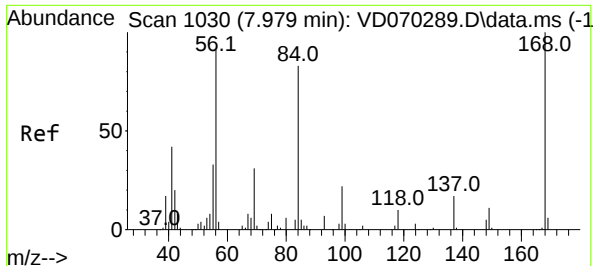
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092421\
Data File : VD070448.D
Acq On : 24 Sep 2021 12:08
Operator : VA/SY
Sample : M3913-01
Misc : 5.01G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Sep 25 03:07:41 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

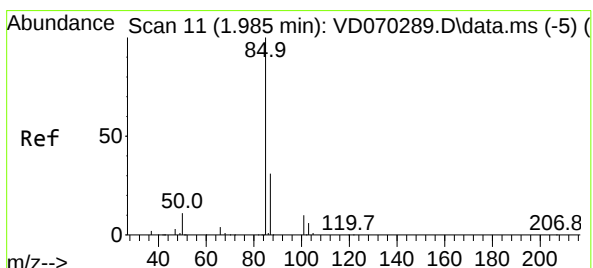
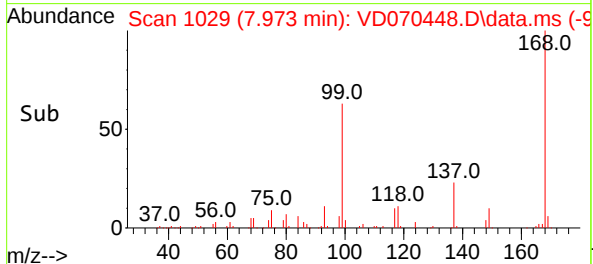
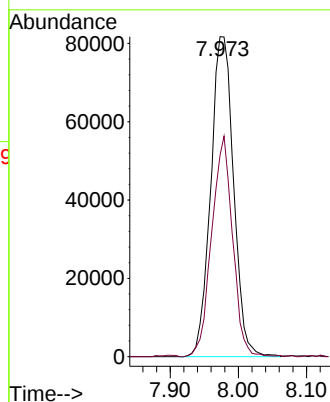
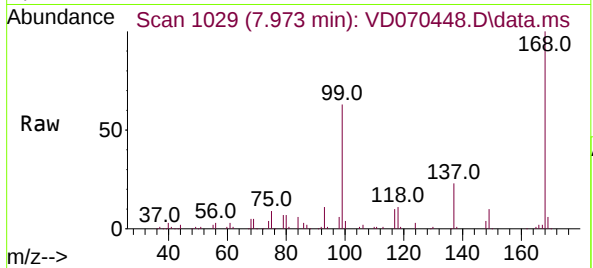




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070448.D
Acq: 24 Sep 2021 12:08

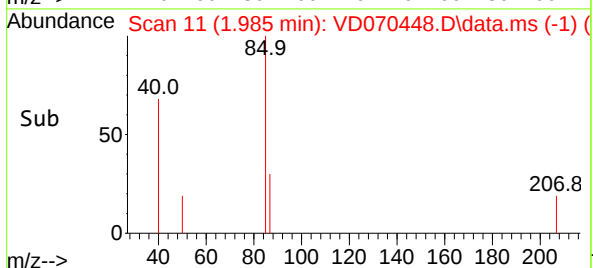
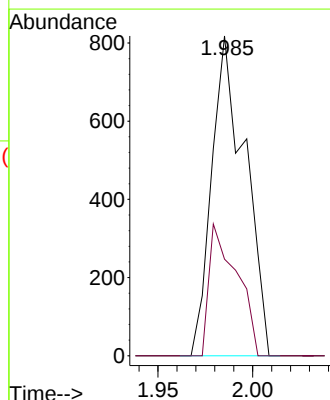
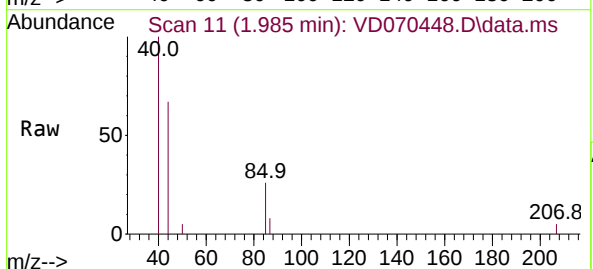
Instrument :
MSVOA_D
ClientSampled :

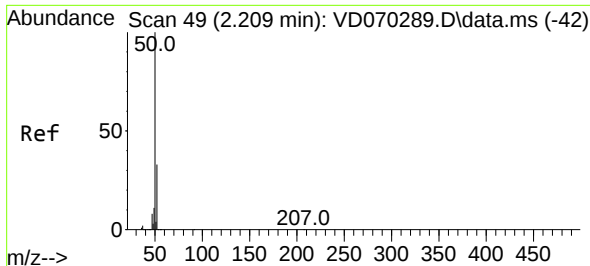
Tgt Ion:168 Resp: 190806
Ion Ratio Lower Upper
168 100
99 63.0 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.985 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD070448.D
Acq: 24 Sep 2021 12:08

Tgt Ion: 85 Resp: 1001
Ion Ratio Lower Upper
85 100
87 30.2 15.6 46.8

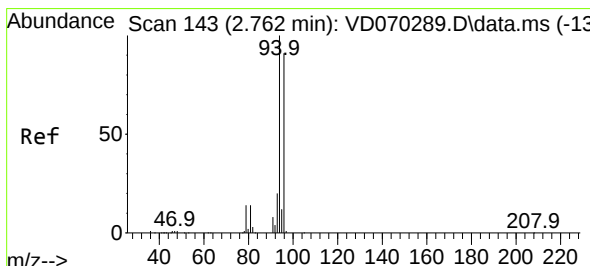
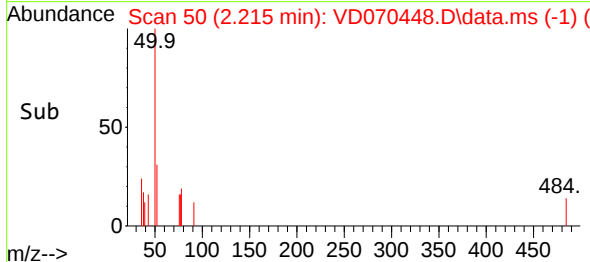
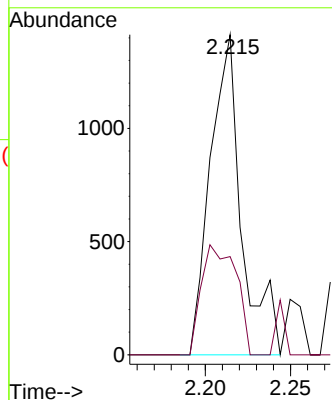
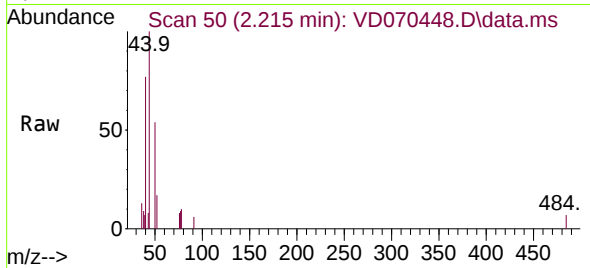




#3
Chloromethane
Concen: Below Cal
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070448.D
Acq: 24 Sep 2021 12:08

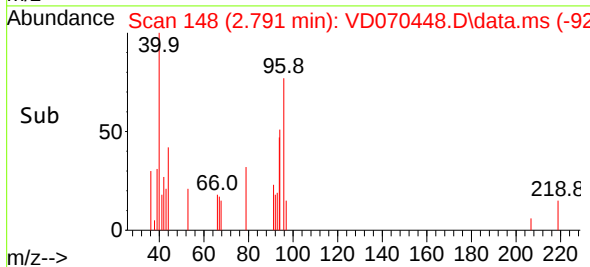
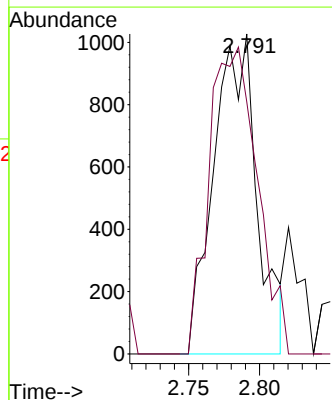
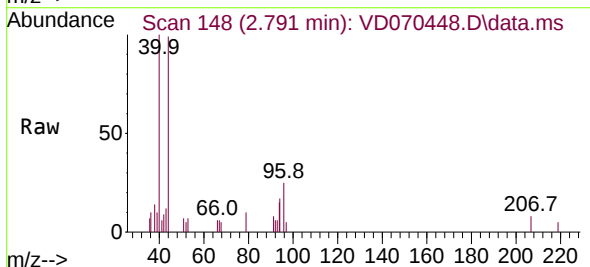
Instrument :
MSVOA_D
ClientSampled :

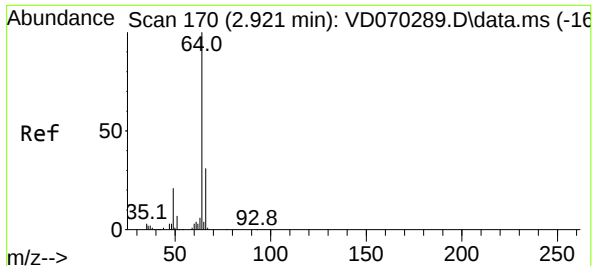
Tgt Ion: 50 Resp: 1802
Ion Ratio Lower Upper
50 100
52 30.7 26.2 39.2



#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 148
Delta R.T. 0.029 min
Lab File: VD070448.D
Acq: 24 Sep 2021 12:08

Tgt Ion: 94 Resp: 2166
Ion Ratio Lower Upper
94 100
96 78.8 73.0 109.6

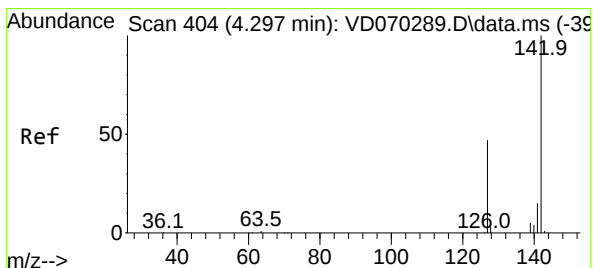
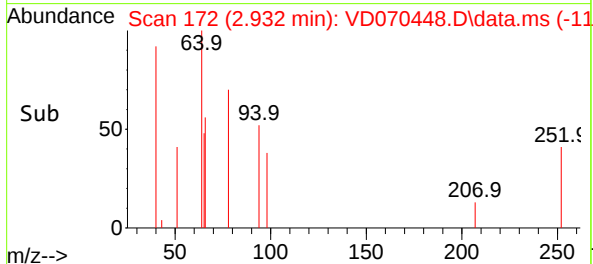
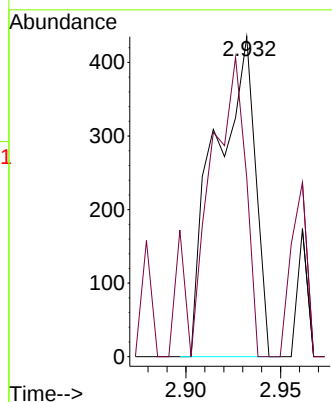
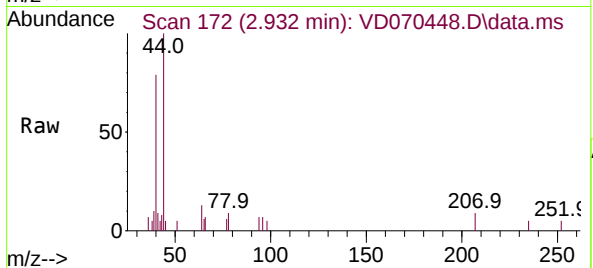




#6
Chloroethane
Concen: Below Cal
RT: 2.932 min Scan# 172
Delta R.T. 0.011 min
Lab File: VD070448.D
Acq: 24 Sep 2021 12:08

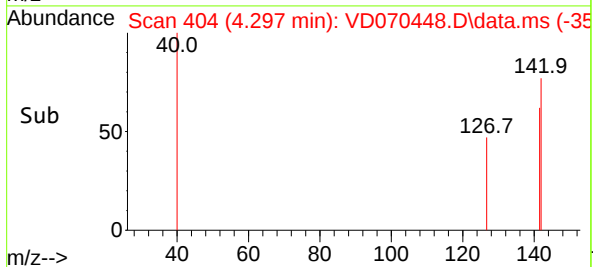
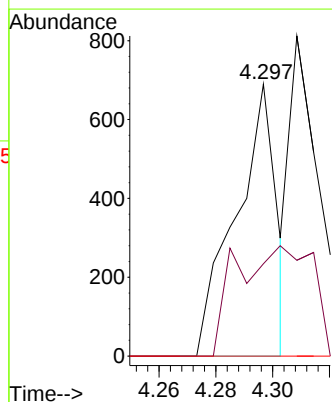
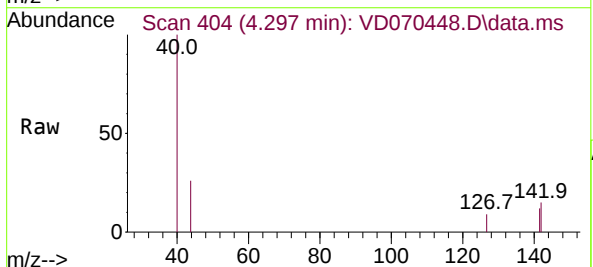
Instrument :
MSVOA_D
ClientSampled :

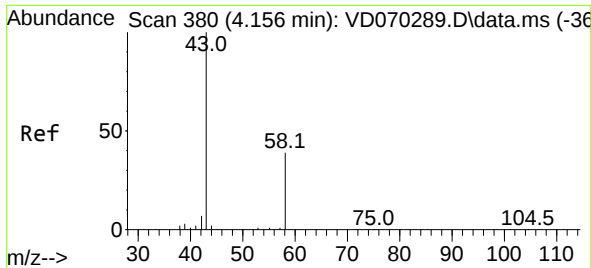
Tgt Ion: 64 Resp: 633
Ion Ratio Lower Upper
64 100
66 55.9 25.0 37.4#



#10
Methyl Iodide
Concen: 1.315 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070448.D
Acq: 24 Sep 2021 12:08

Tgt Ion: 142 Resp: 689
Ion Ratio Lower Upper
142 100
127 75.8 36.9 55.3#
141 0.0 11.8 17.6#

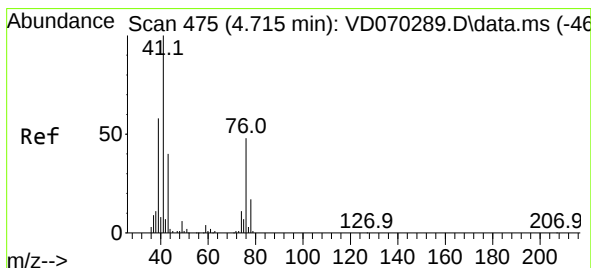
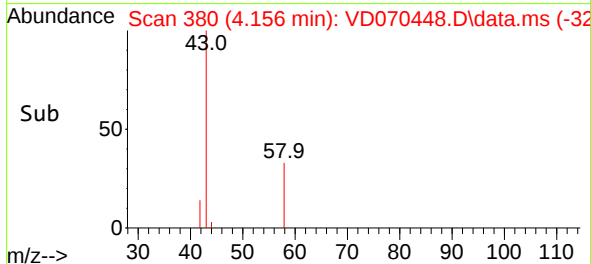
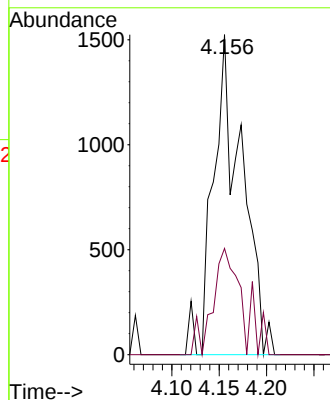
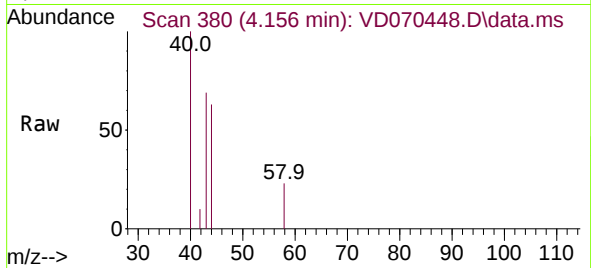




#16
Acetone
Concen: 7.288 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070448.D
Acq: 24 Sep 2021 12:08

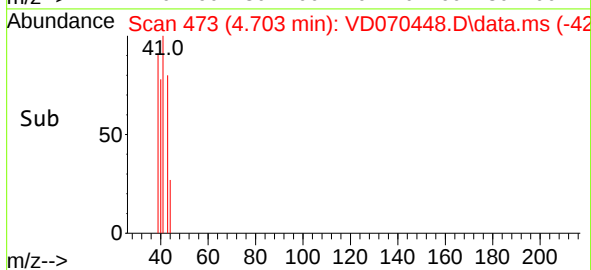
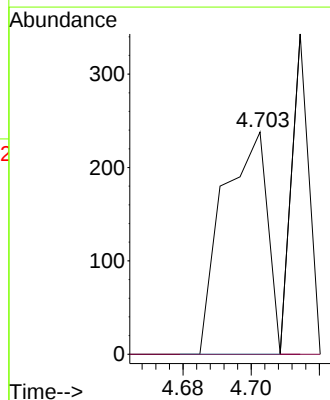
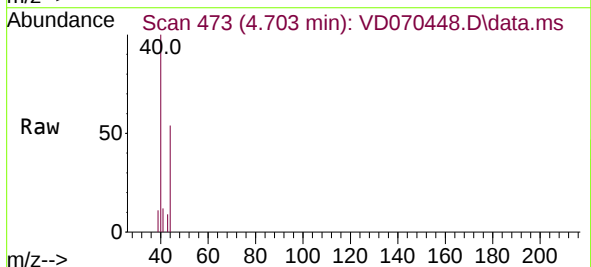
Instrument :
MSVOA_D
ClientSampled :

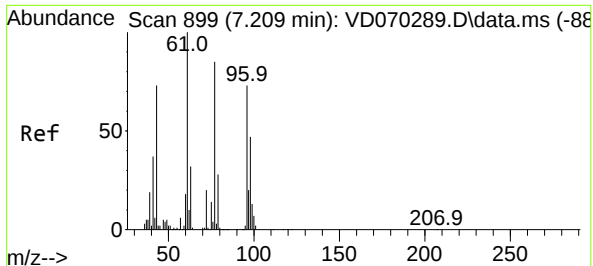
Tgt Ion: 43 Resp: 3188
Ion Ratio Lower Upper
43 100
58 33.2 30.9 46.3



#18
Methyl Acetate
Concen: Below Cal
RT: 4.703 min Scan# 473
Delta R.T. -0.012 min
Lab File: VD070448.D
Acq: 24 Sep 2021 12:08

Tgt Ion: 43 Resp: 215
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#

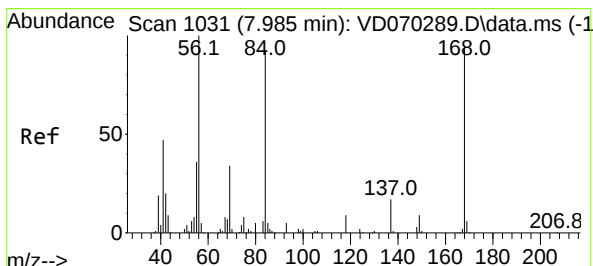
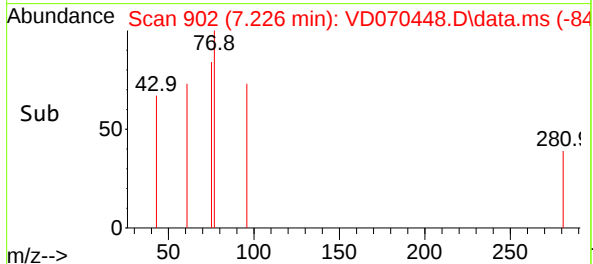
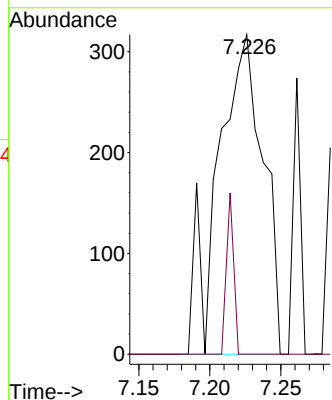
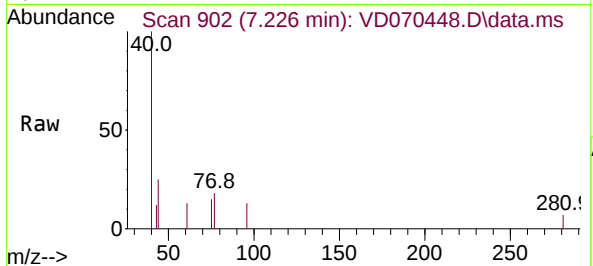




#25
2-Butanone
Concen: 1.207 ug/l
RT: 7.226 min Scan# 902
Delta R.T. 0.017 min
Lab File: VD070448.D
Acq: 24 Sep 2021 12:08

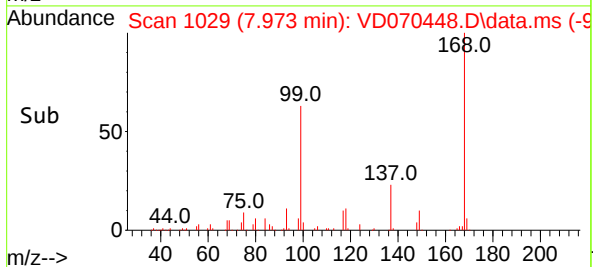
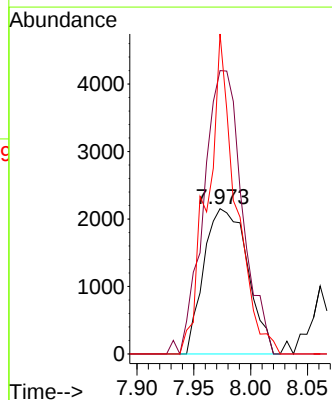
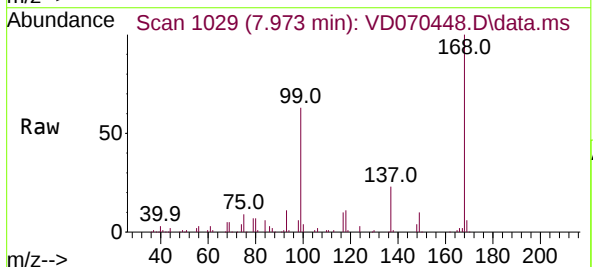
Instrument :
MSVOA_D
ClientSampled :

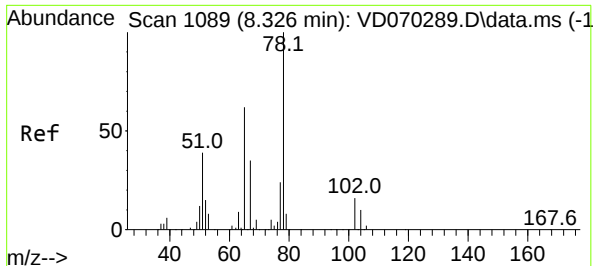
Tgt Ion: 43 Resp: 703
Ion Ratio Lower Upper
43 100
72 0.0 22.2 33.4#



#31
Cyclohexane
Concen: 1.361 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070448.D
Acq: 24 Sep 2021 12:08

Tgt Ion: 56 Resp: 5743
Ion Ratio Lower Upper
56 100
69 195.1 26.9 40.3#
84 220.4 73.6 110.4#



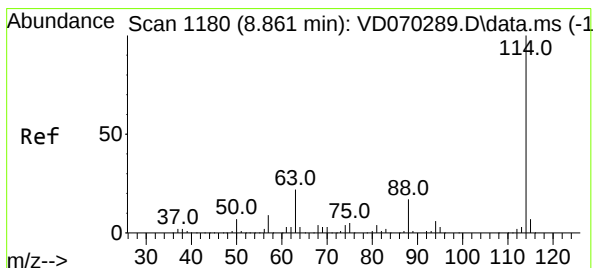
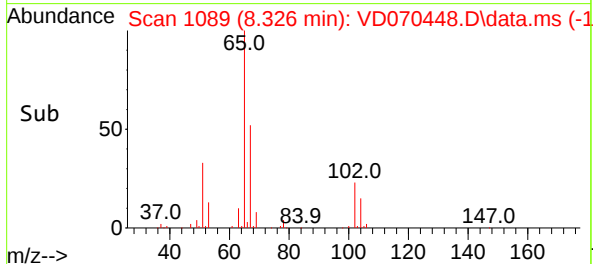
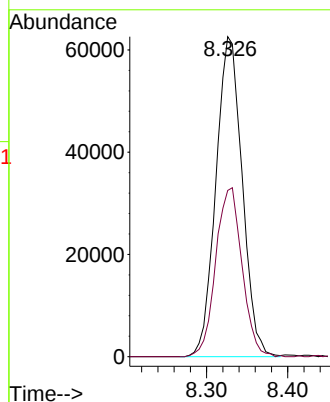
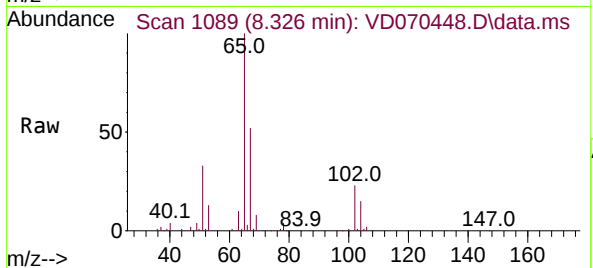


#33

1,2-Dichloroethane-d4
Concen: 57.469 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070448.D
Acq: 24 Sep 2021 12:08

Instrument :
MSVOA_D
ClientSampled :

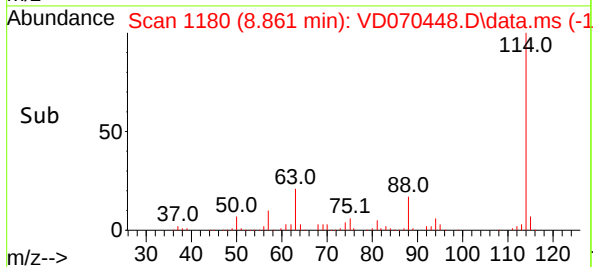
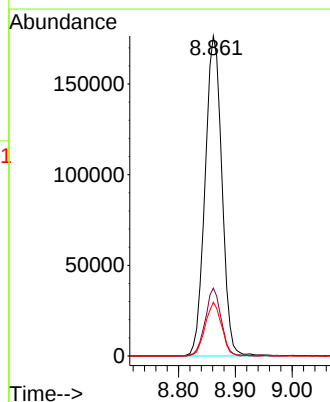
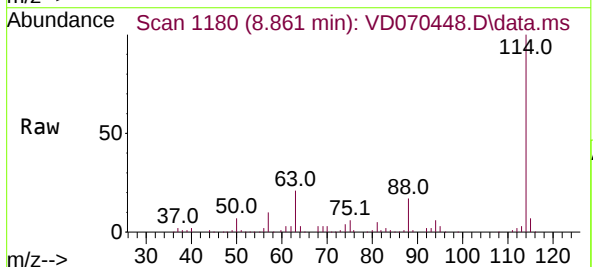
Tgt Ion: 65 Resp: 140799
Ion Ratio Lower Upper
65 100
67 52.9 0.0 111.4

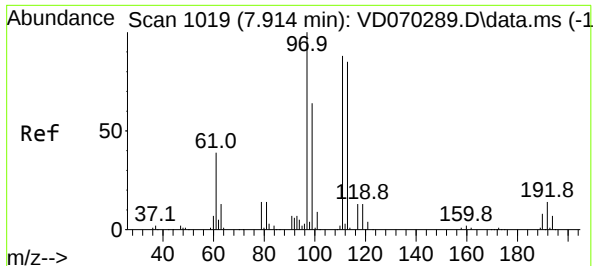


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070448.D
Acq: 24 Sep 2021 12:08

Tgt Ion: 114 Resp: 362906
Ion Ratio Lower Upper
114 100
63 21.2 0.0 43.4
88 16.8 0.0 33.4





#35

Dibromofluoromethane

Concen: 47.879 ug/l

RT: 7.908 min Scan# 1018

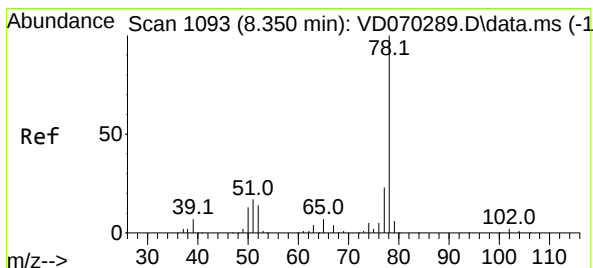
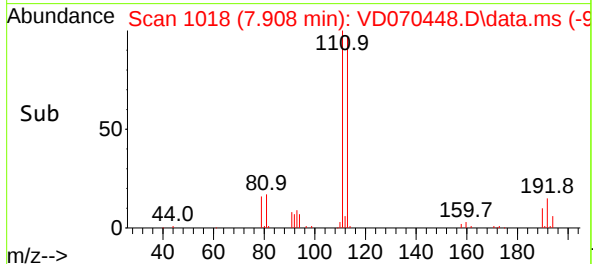
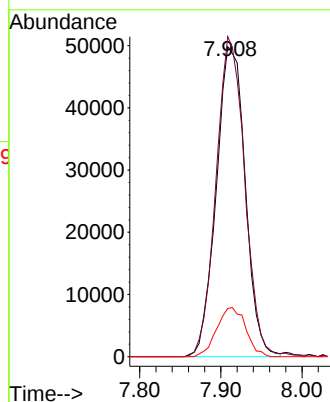
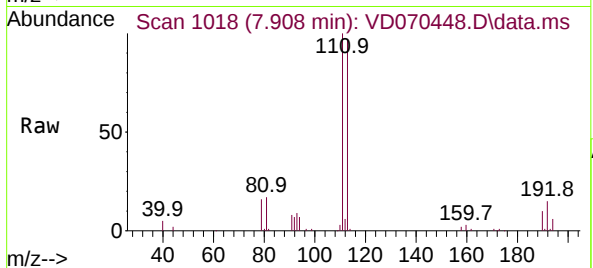
Delta R.T. -0.006 min

Lab File: VD070448.D

Acq: 24 Sep 2021 12:08

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:	113	Resp:	123681
Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.4	122.2
192	15.8	13.0	19.6



#40

Benzene

Concen: 1.397 ug/l

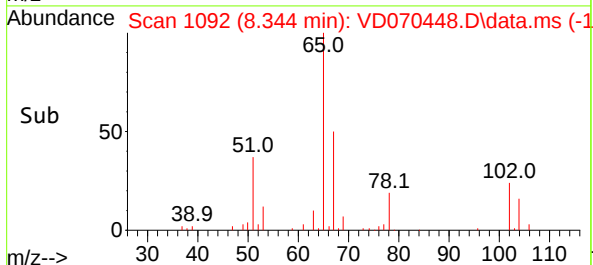
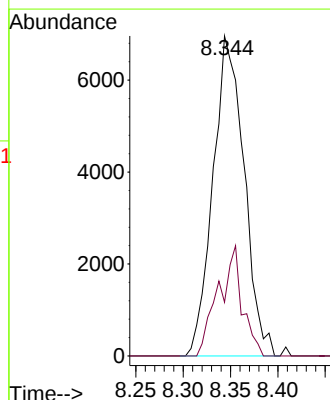
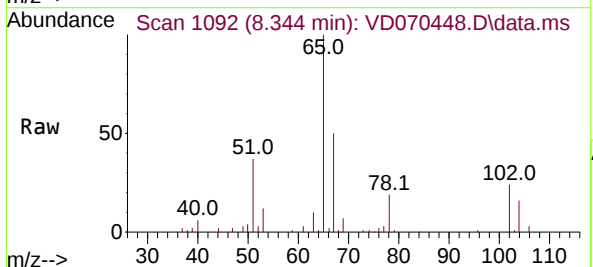
RT: 8.344 min Scan# 1092

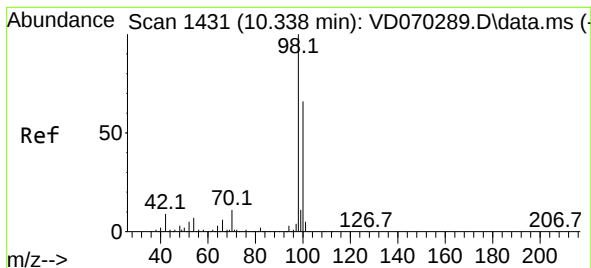
Delta R.T. -0.006 min

Lab File: VD070448.D

Acq: 24 Sep 2021 12:08

Tgt Ion:	78	Resp:	15885
Ion	Ratio	Lower	Upper
78	100		
77	16.8	18.4	27.6#

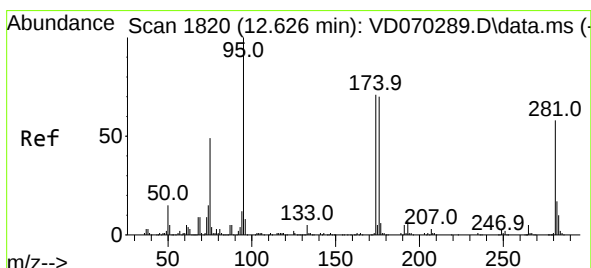
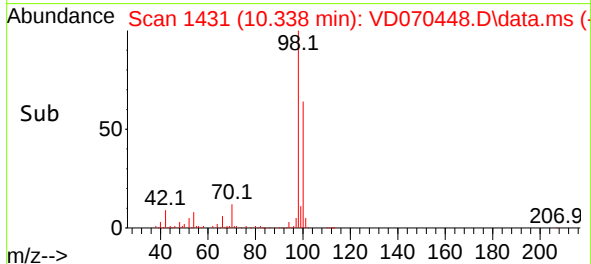
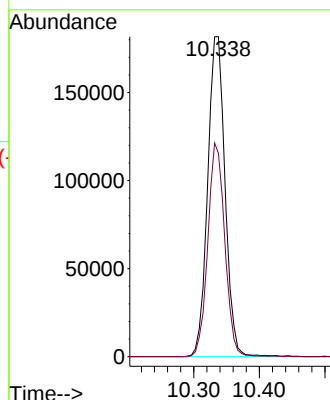
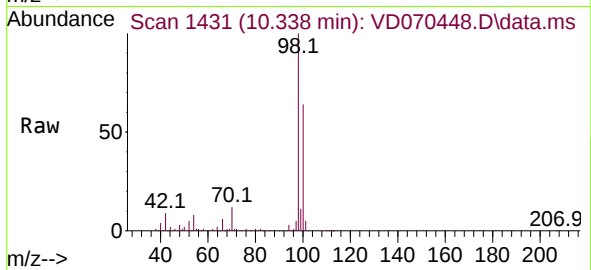




#50
Toluene-d8
Concen: 35.749 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070448.D
Acq: 24 Sep 2021 12:08

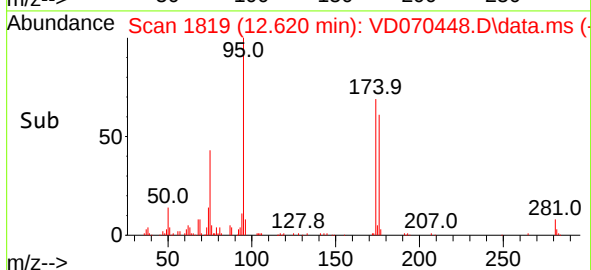
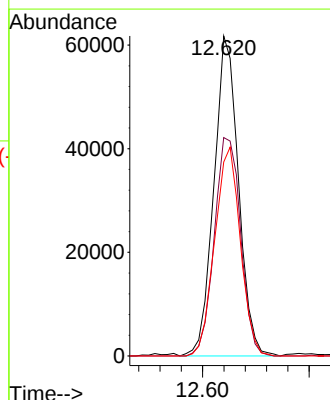
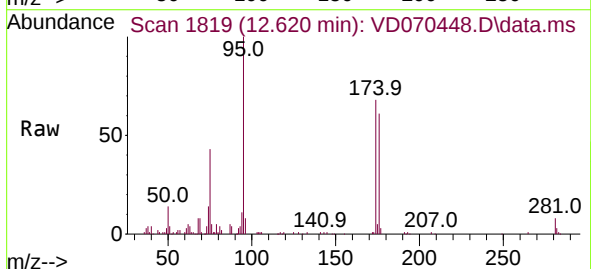
Instrument :
MSVOA_D
ClientSampled :

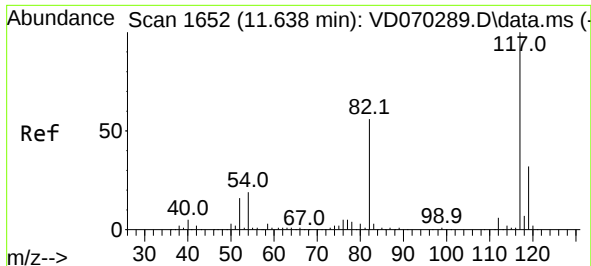
Tgt Ion: 98 Resp: 335290
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 30.112 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070448.D
Acq: 24 Sep 2021 12:08

Tgt Ion: 95 Resp: 98701
Ion Ratio Lower Upper
95 100
174 73.1 0.0 140.6
176 68.2 0.0 137.4

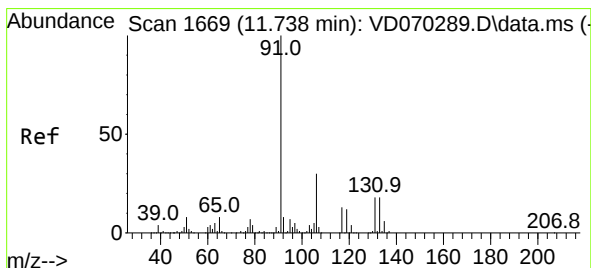
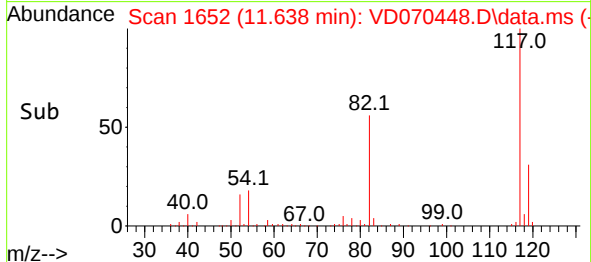
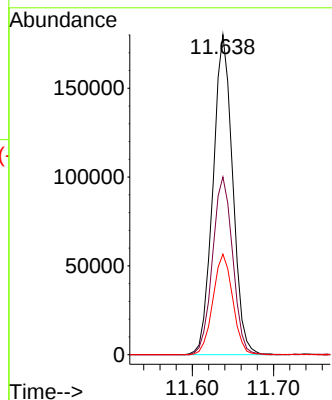
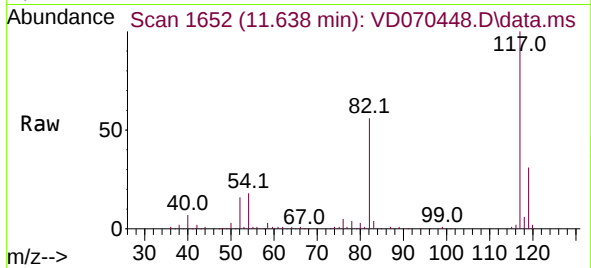




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070448.D
Acq: 24 Sep 2021 12:08

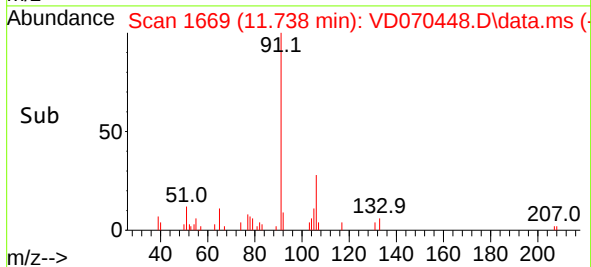
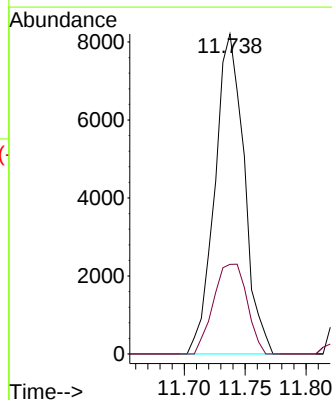
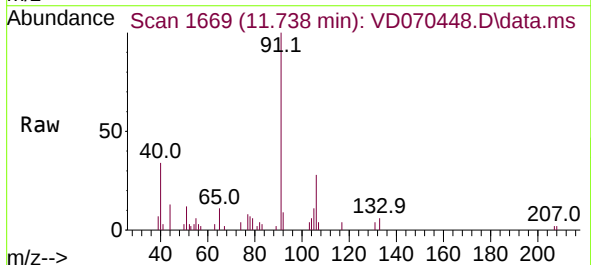
Instrument :
MSVOA_D
ClientSampled :

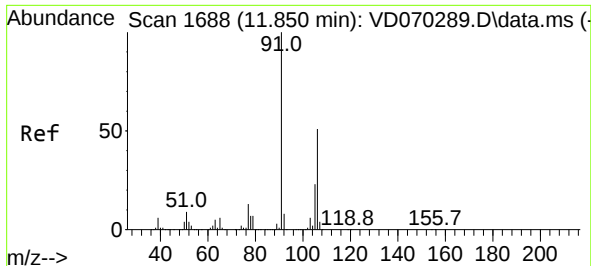
Tgt Ion:117 Resp: 303176
Ion Ratio Lower Upper
117 100
82 55.5 45.0 67.4
119 31.4 25.2 37.8



#67
Ethyl Benzene
Concen: 1.269 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD070448.D
Acq: 24 Sep 2021 12:08

Tgt Ion: 91 Resp: 13744
Ion Ratio Lower Upper
91 100
106 28.0 24.2 36.2

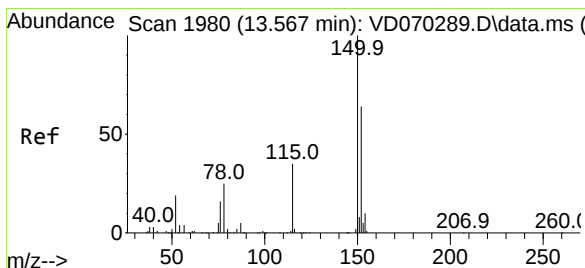
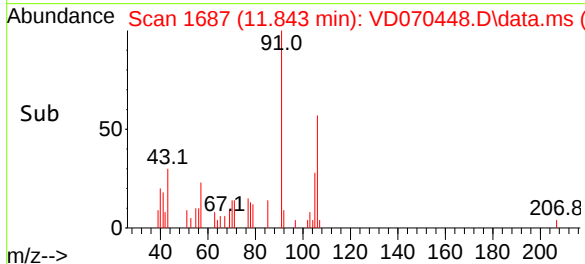
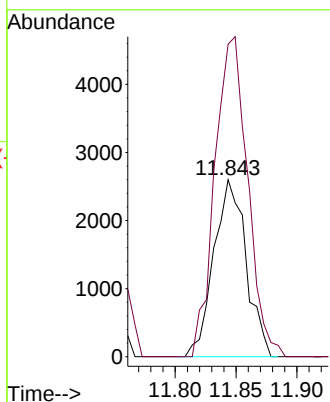
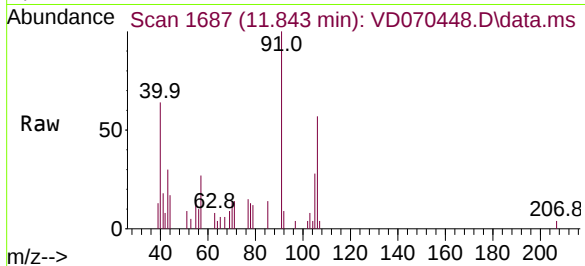




#68
m/p-Xylenes
Concen: 1.146 ug/l
RT: 11.843 min Scan# 1687
Delta R.T. -0.006 min
Lab File: VD070448.D
Acq: 24 Sep 2021 12:08

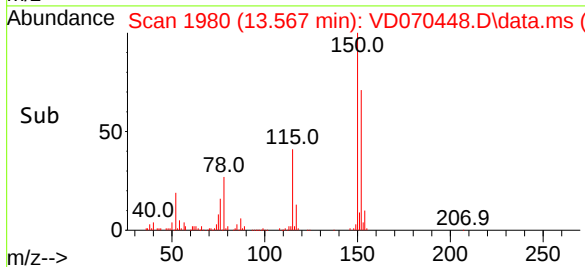
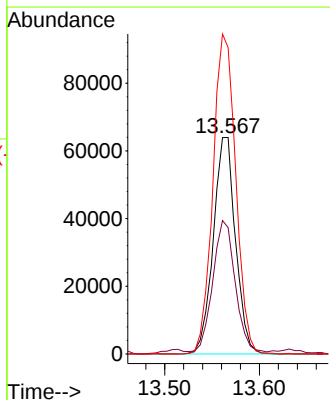
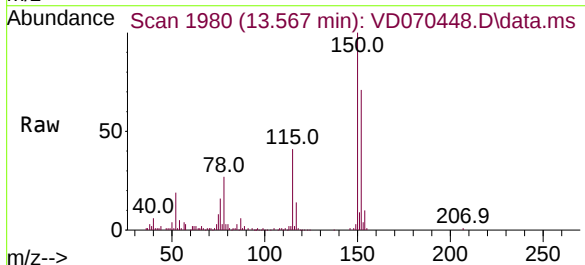
Instrument :
MSVOA_D
ClientSampleId :

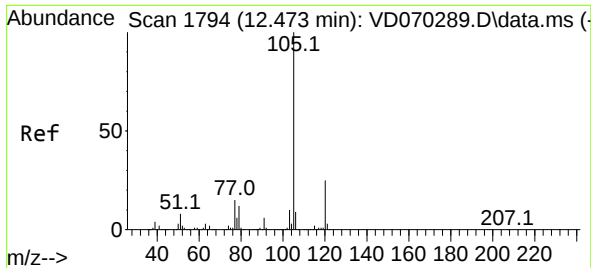
Tgt Ion:106 Resp: 4794
Ion Ratio Lower Upper
106 100
91 183.8 161.2 241.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070448.D
Acq: 24 Sep 2021 12:08

Tgt Ion:152 Resp: 104467
Ion Ratio Lower Upper
152 100
115 61.4 32.1 96.3
150 151.2 0.0 350.6

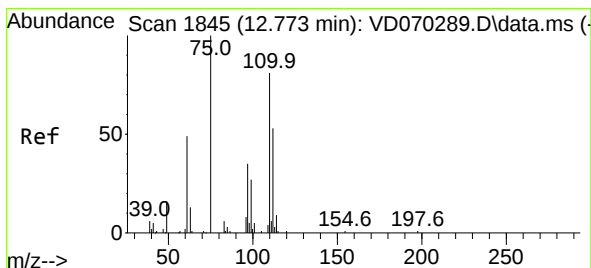
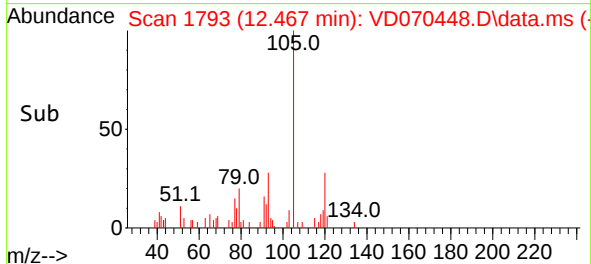
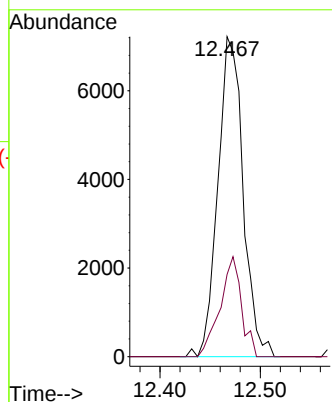
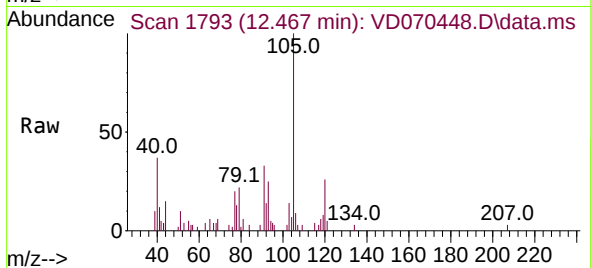




#73
Isopropylbenzene
Concen: 1.716 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VD070448.D
Acq: 24 Sep 2021 12:08

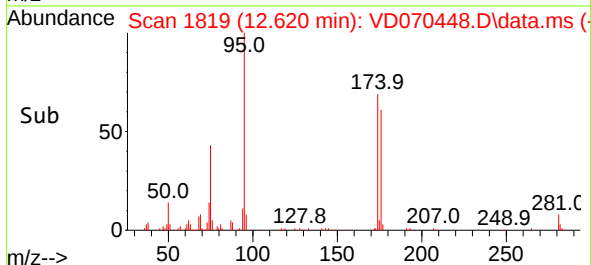
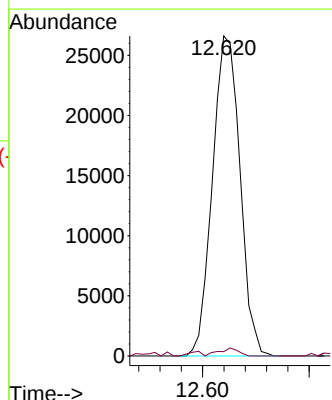
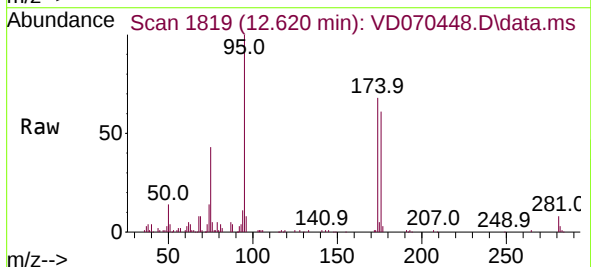
Instrument :
MSVOA_D
ClientSampleId :

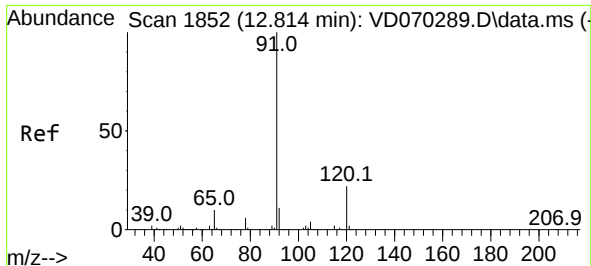
Tgt Ion:105 Resp: 12573
Ion Ratio Lower Upper
105 100
120 26.6 13.0 38.9



#76
1,2,3-Trichloropropane
Concen: 45.201 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070448.D
Acq: 24 Sep 2021 12:08

Tgt Ion: 75 Resp: 47764
Ion Ratio Lower Upper
75 100
77 1.7 174.9 524.7#

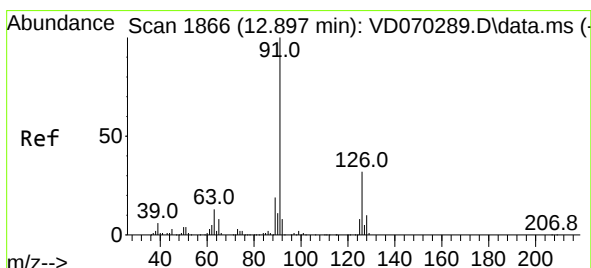
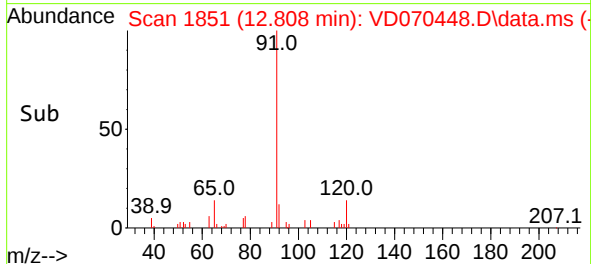
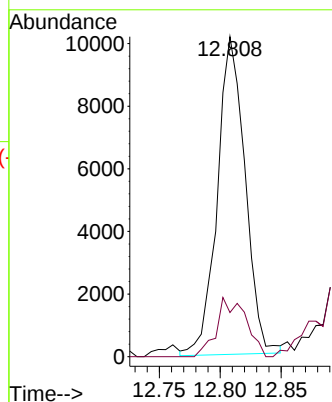
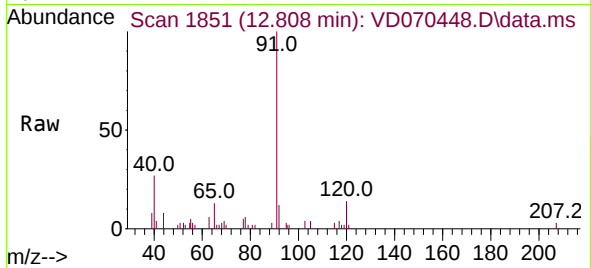




#78
n-propylbenzene
Concen: 1.700 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VD070448.D
Acq: 24 Sep 2021 12:08

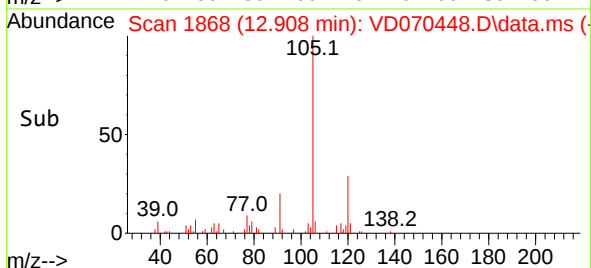
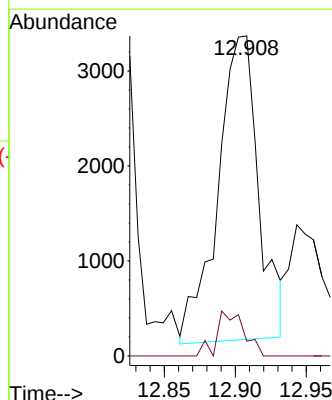
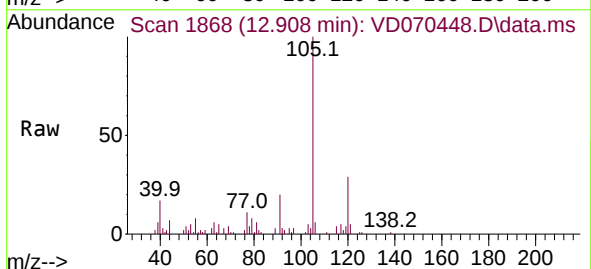
Instrument :
MSVOA_D
ClientSampled :

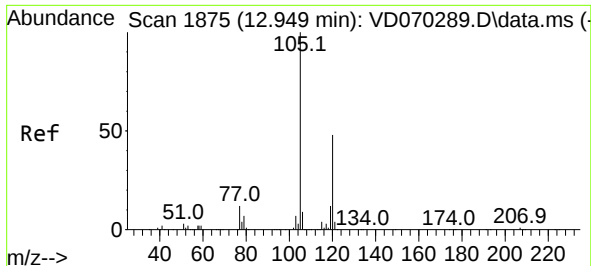
Tgt Ion: 91 Resp: 16167
Ion Ratio Lower Upper
91 100
120 19.5 11.0 33.0



#79
2-Chlorotoluene
Concen: 1.161 ug/l
RT: 12.908 min Scan# 1868
Delta R.T. 0.012 min
Lab File: VD070448.D
Acq: 24 Sep 2021 12:08

Tgt Ion: 91 Resp: 6433
Ion Ratio Lower Upper
91 100
126 9.7 16.2 48.6#

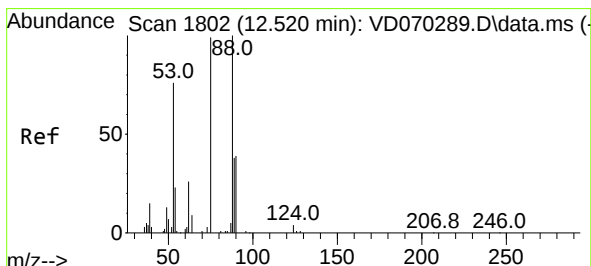
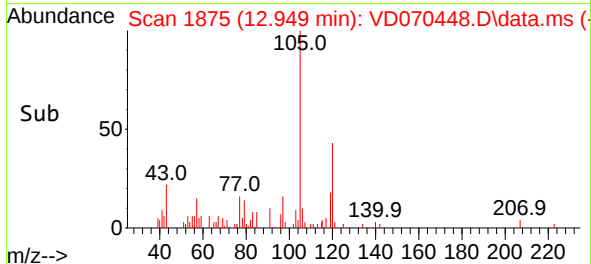
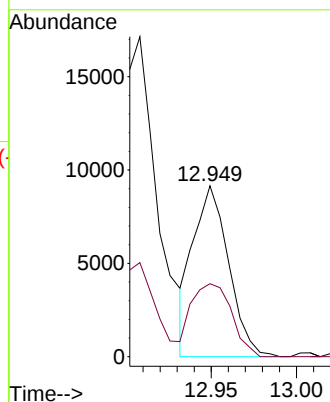
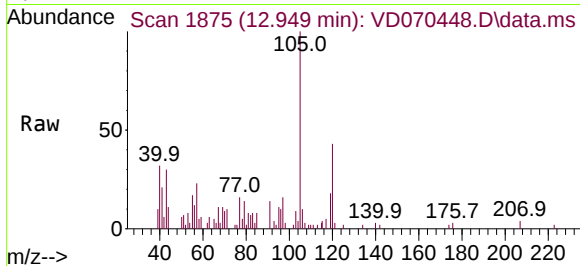




#80
1,3,5-Trimethylbenzene
Concen: 2.101 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VD070448.D
Acq: 24 Sep 2021 12:08

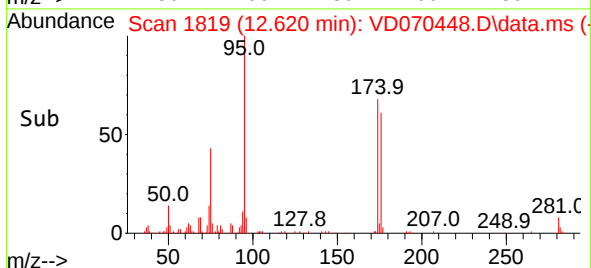
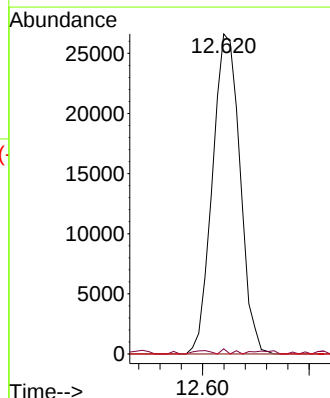
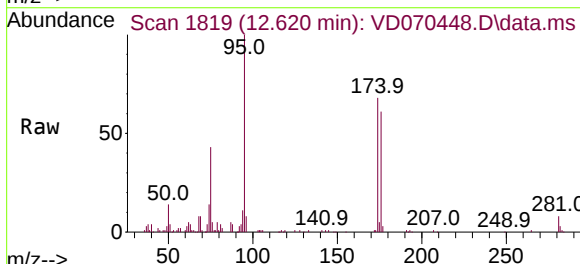
Instrument :
MSVOA_D
ClientSampled :

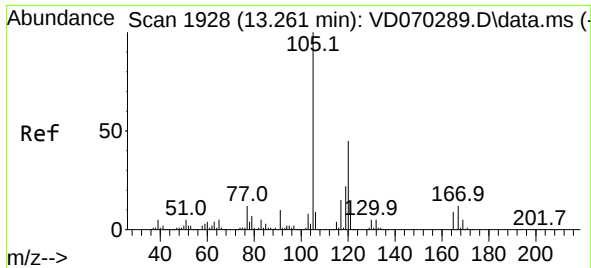
Tgt Ion:105 Resp: 13284
Ion Ratio Lower Upper
105 100
120 48.3 24.1 72.2



#81
trans-1,4-Dichloro-2-butene
Concen: 113.256 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070448.D
Acq: 24 Sep 2021 12:08

Tgt Ion: 75 Resp: 47764
Ion Ratio Lower Upper
75 100
53 0.5 64.2 96.2#
89 0.0 35.6 53.4#

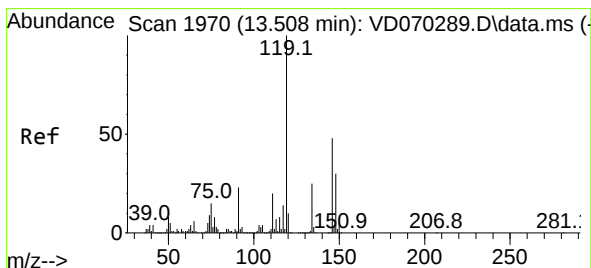
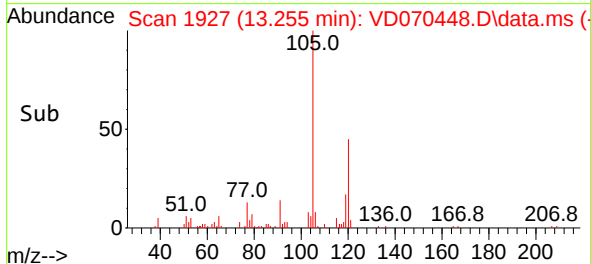
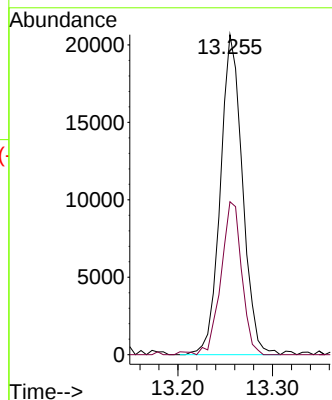
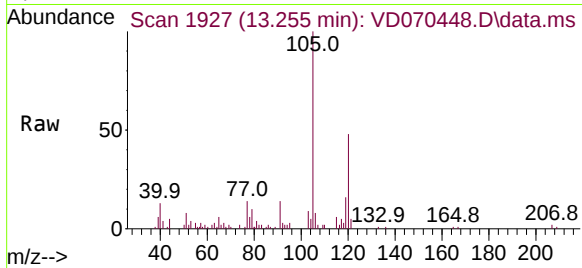




#84
1,2,4-Trimethylbenzene
Concen: 5.387 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD070448.D
Acq: 24 Sep 2021 12:08

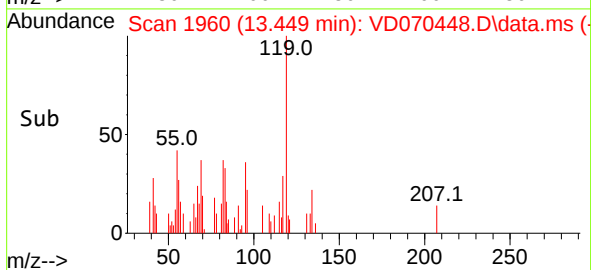
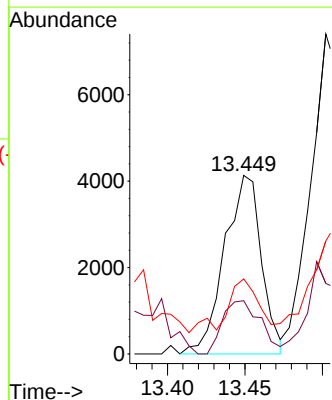
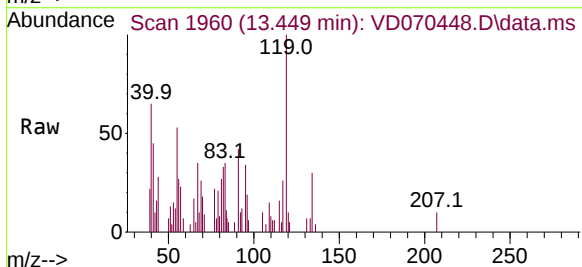
Instrument :
MSVOA_D
ClientSampled :

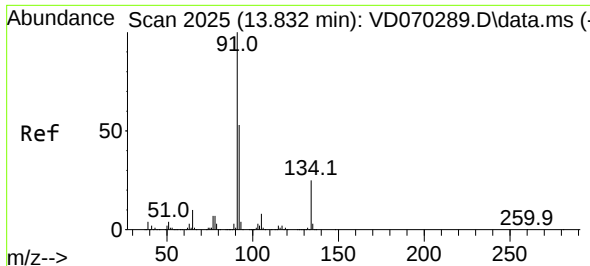
Tgt Ion:105 Resp: 33544
Ion Ratio Lower Upper
105 100
120 44.5 22.3 66.8



#86
p-Isopropyltoluene
Concen: 1.058 ug/l
RT: 13.449 min Scan# 1960
Delta R.T. -0.059 min
Lab File: VD070448.D
Acq: 24 Sep 2021 12:08

Tgt Ion:119 Resp: 6852
Ion Ratio Lower Upper
119 100
134 30.8 12.7 38.0
91 25.7 11.8 35.3

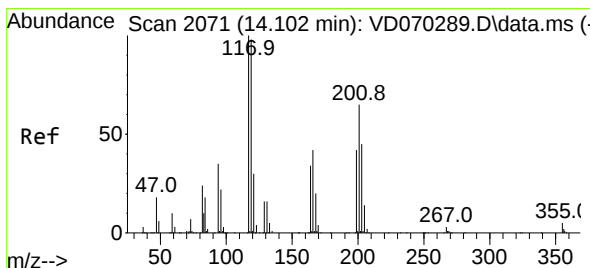
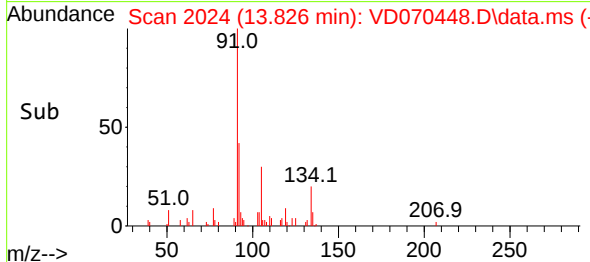
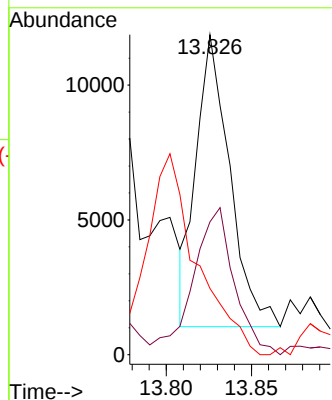
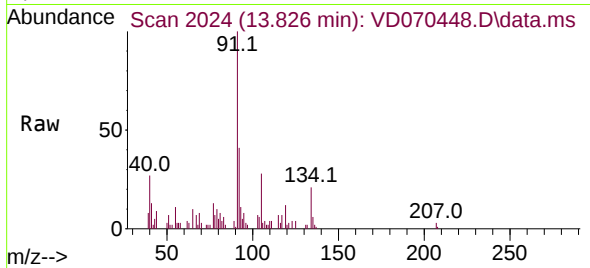




#89
n-Butylbenzene
Concen: 2.293 ug/l
RT: 13.826 min Scan# 2024
Delta R.T. -0.006 min
Lab File: VD070448.D
Acq: 24 Sep 2021 12:08

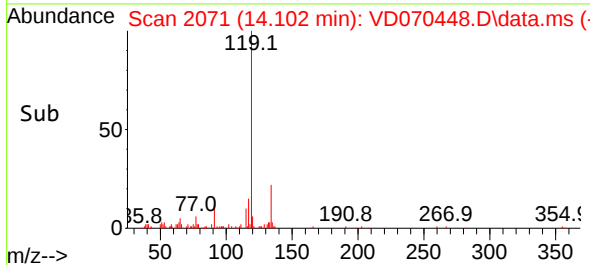
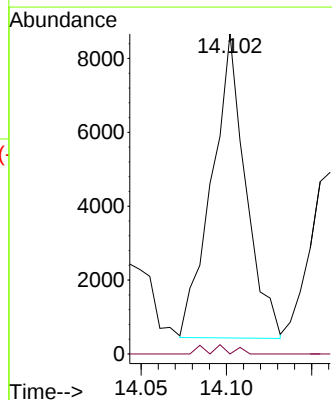
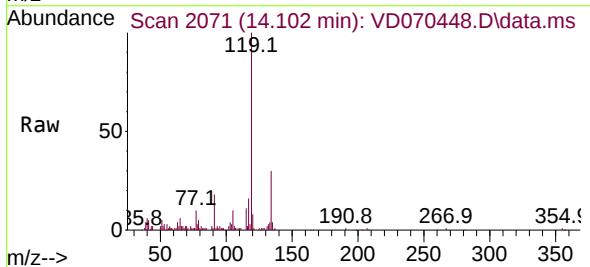
Instrument :
MSVOA_D
ClientSampled :

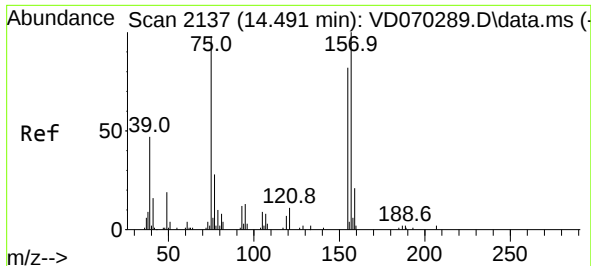
Tgt Ion: 91 Resp: 14804
Ion Ratio Lower Upper
91 100
92 61.8 26.8 80.4
134 0.0 12.1 36.3#



#90
Hexachloroethane
Concen: 7.666 ug/l
RT: 14.102 min Scan# 2071
Delta R.T. -0.000 min
Lab File: VD070448.D
Acq: 24 Sep 2021 12:08

Tgt Ion: 117 Resp: 11365
Ion Ratio Lower Upper
117 100
201 0.7 31.9 95.9#

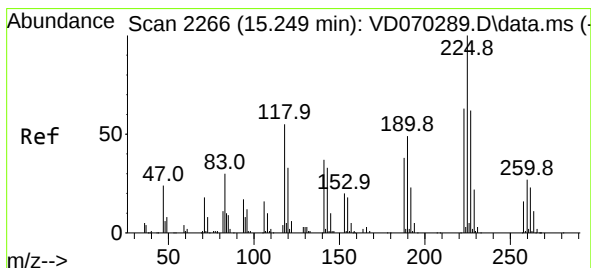
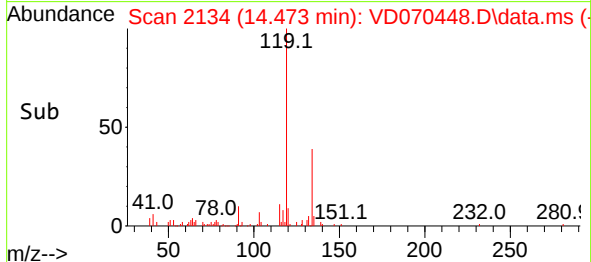
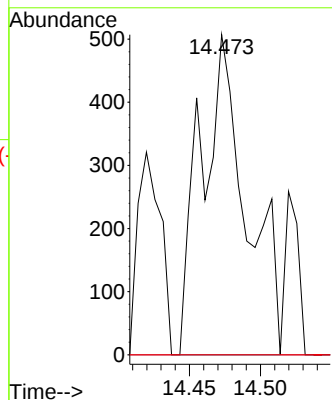
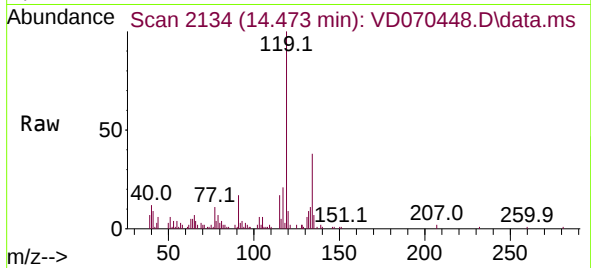




#92
1,2-Dibromo-3-Chloropropane
Concen: 4.775 ug/l
RT: 14.473 min Scan# 2134
Delta R.T. -0.018 min
Lab File: VD070448.D
Acq: 24 Sep 2021 12:08

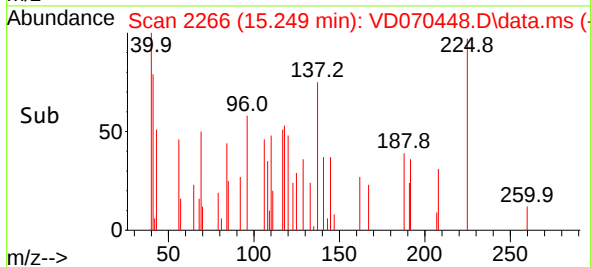
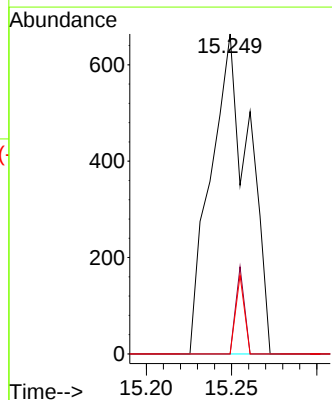
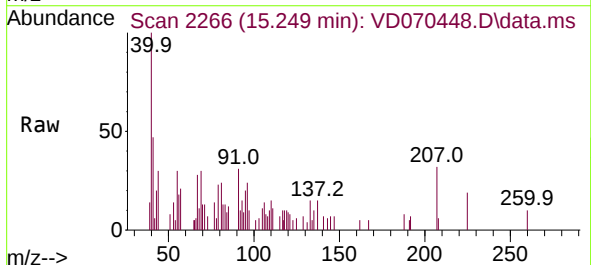
Instrument :
MSVOA_D
ClientSampled :

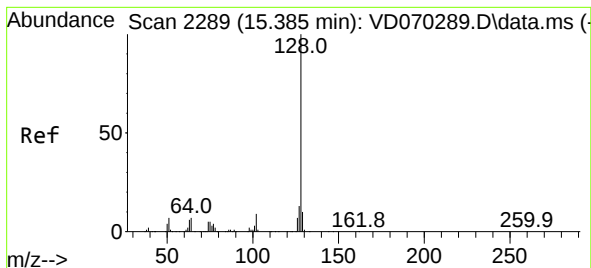
Tgt Ion: 75 Resp: 1122
Ion Ratio Lower Upper
75 100
155 0.0 40.3 120.9#
157 0.0 48.9 146.6#



#94
Hexachlorobutadiene
Concen: 1.006 ug/l
RT: 15.249 min Scan# 2266
Delta R.T. -0.000 min
Lab File: VD070448.D
Acq: 24 Sep 2021 12:08

Tgt Ion: 225 Resp: 1035
Ion Ratio Lower Upper
225 100
223 6.2 31.4 94.3#
227 5.6 32.7 98.1#

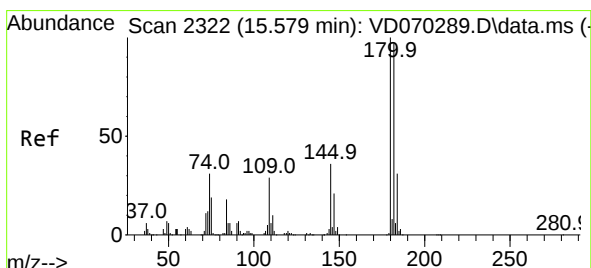
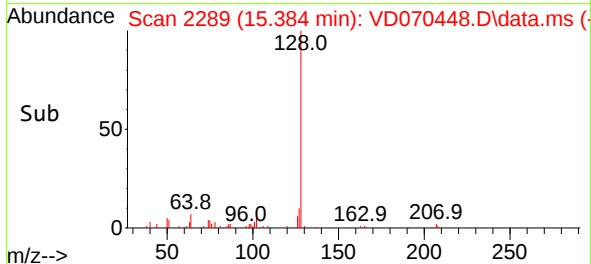
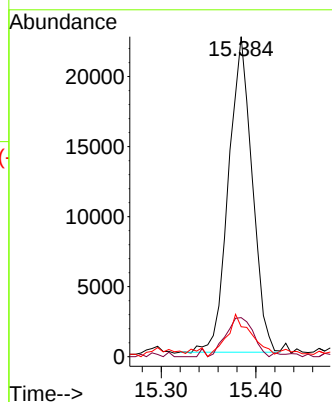
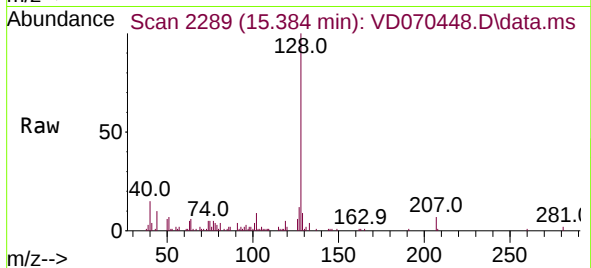




#95
Naphthalene
Concen: 12.848 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD070448.D
Acq: 24 Sep 2021 12:08

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 39150
Ion Ratio Lower Upper
128 100
127 14.2 10.5 15.7
129 13.9 9.0 13.4#



#96
1,2,3-Trichlorobenzene
Concen: 1.094 ug/l
RT: 15.579 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VD070448.D
Acq: 24 Sep 2021 12:08

Tgt Ion:180 Resp: 1619
Ion Ratio Lower Upper
180 100
182 78.6 47.9 143.6
145 138.5 17.7 53.1#

