

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102821\
 Data File : VD070888.D
 Acq On : 28 Oct 2021 13:04
 Operator : VA/SY
 Sample : M4368-01
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 29 05:23:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 27 05:34:47 2021
 Response via : Initial Calibration

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

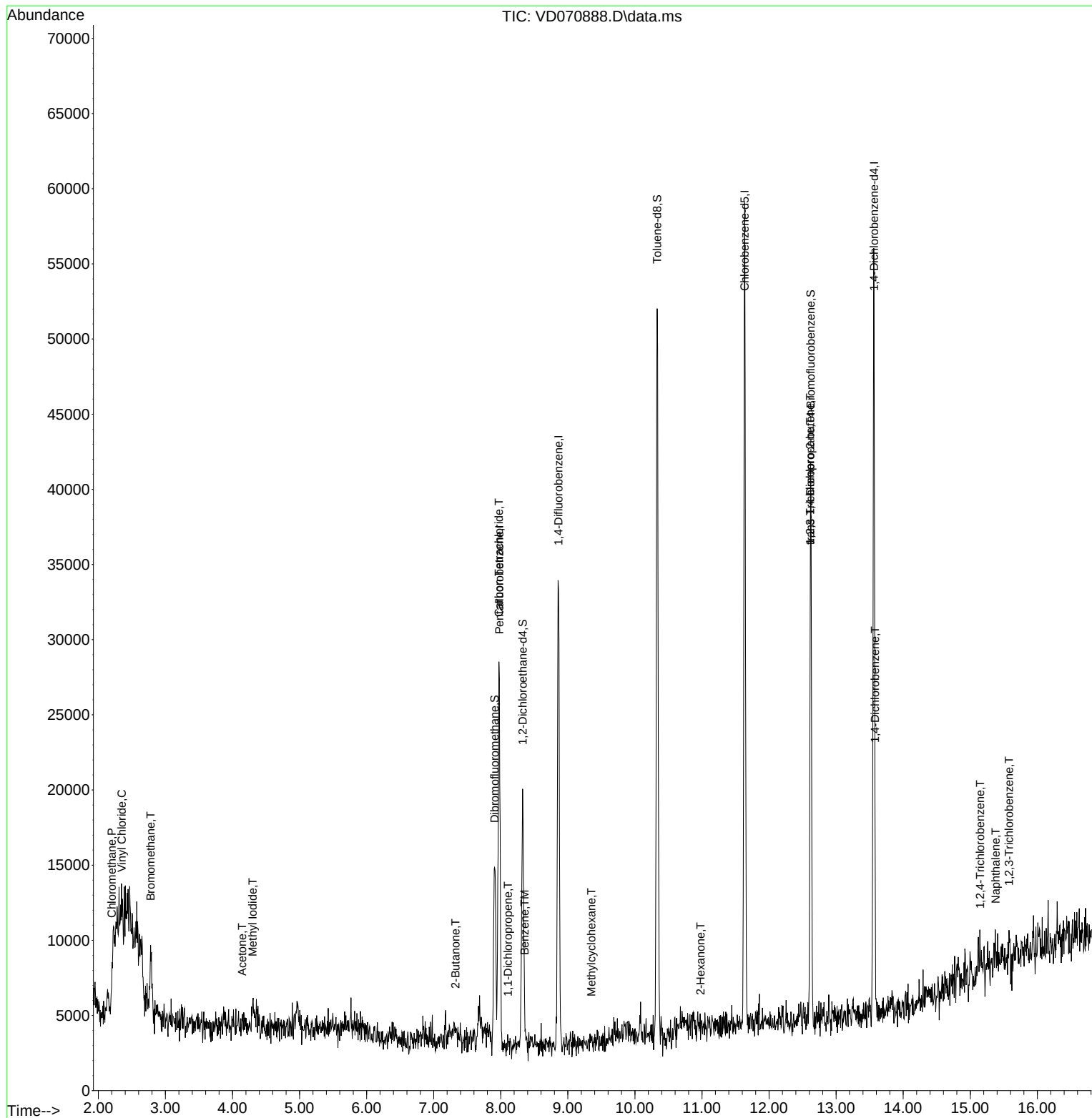
Internal Standards						
1) Pentafluorobenzene	7.979	168	20662	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	29535	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	33333	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	12877	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	12492	60.113	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.220%	
35) Dibromofluoromethane	7.908	113	9322	47.869	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.740%	
50) Toluene-d8	10.332	98	34590	47.213	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 94.420%	
62) 4-Bromofluorobenzene	12.620	95	12513	51.764	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 103.520%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.203	50	1513	5.579	ug/l	98
4) Vinyl Chloride	2.350	62	402	1.340	ug/l #	42
5) Bromomethane	2.779	94	2594	10.617	ug/l	84
10) Methyl Iodide	4.303	142	2921	14.436	ug/l #	81
16) Acetone	4.144	43	217	4.488	ug/l #	40
20) Methylene Chloride	4.973	84	872	Below Cal	#	73
25) 2-Butanone	7.326	43	63	1.059	ug/l #	45
36) 1,1-Dichloropropene	8.108	75	326	1.055	ug/l #	41
38) Carbon Tetrachloride	7.973	117	1794	5.773	ug/l #	12
39) Methylcyclohexane	9.349	83	367	1.032	ug/l #	16
40) Benzene	8.355	78	990	1.102	ug/l #	51
59) 2-Hexanone	10.979	43	121	1.514	ug/l #	22
76) 1,2,3-Trichloropropane	12.614	75	5896	46.512	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.614	75	5896	122.078	ug/l #	18
88) 1,4-Dichlorobenzene	13.579	146	598	1.395	ug/l #	55
93) 1,2,4-Trichlorobenzene	15.149	180	593	2.783	ug/l #	79
95) Naphthalene	15.379	128	1324	7.128	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.578	180	504	2.722	ug/l #	71

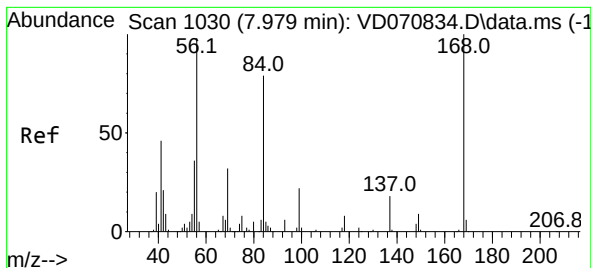
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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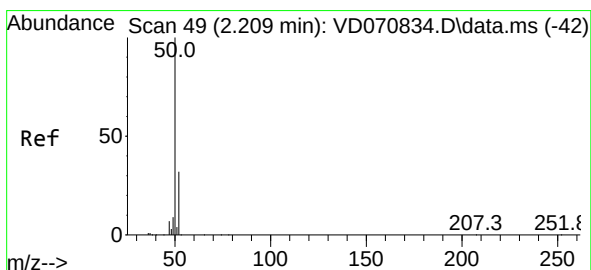
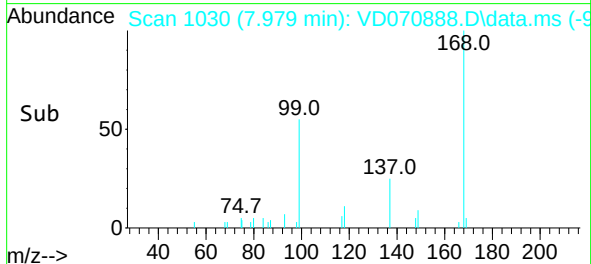
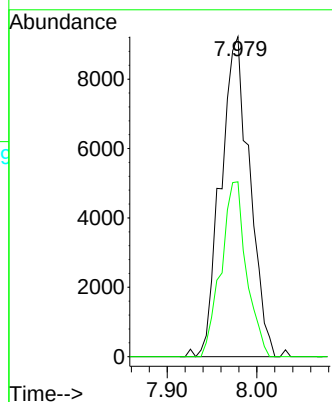
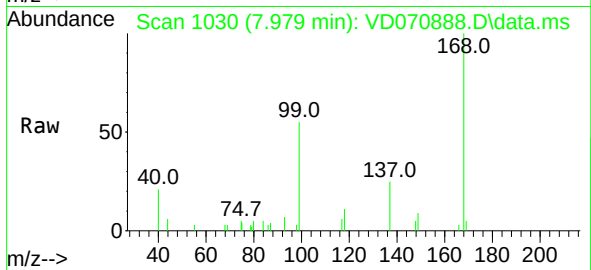




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070888.D
Acq: 28 Oct 2021 13:04

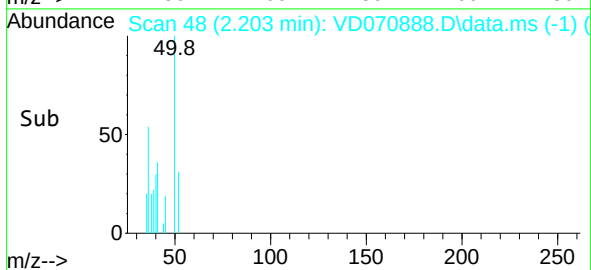
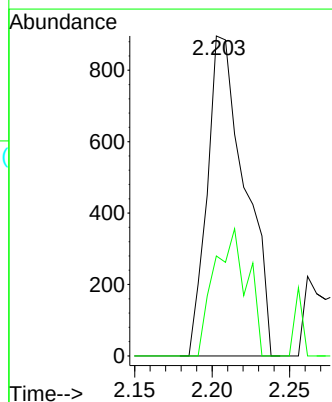
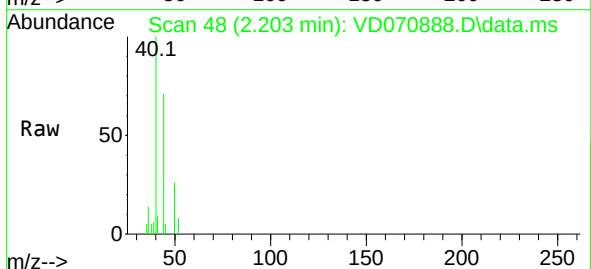
Instrument :
MSVOA_D
ClientSampled :

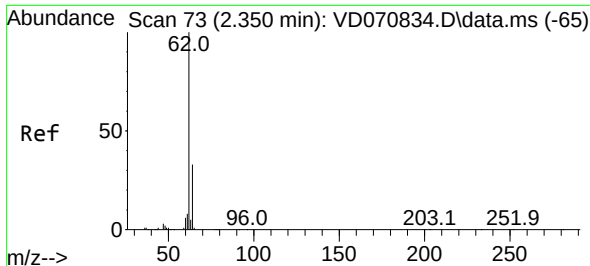
Tgt Ion:168 Resp: 20662
Ion Ratio Lower Upper
168 100
99 54.7 46.6 69.8



#3
Chloromethane
Concen: 5.579 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070888.D
Acq: 28 Oct 2021 13:04

Tgt Ion: 50 Resp: 1513
Ion Ratio Lower Upper
50 100
52 31.3 25.8 38.8

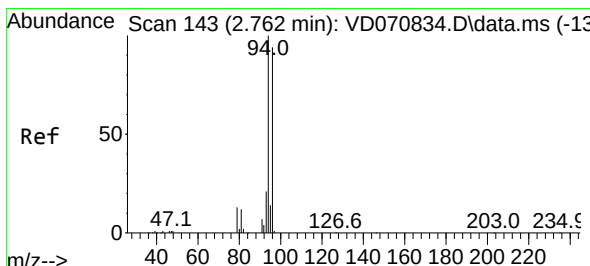
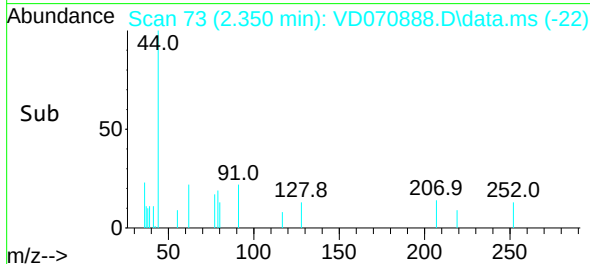
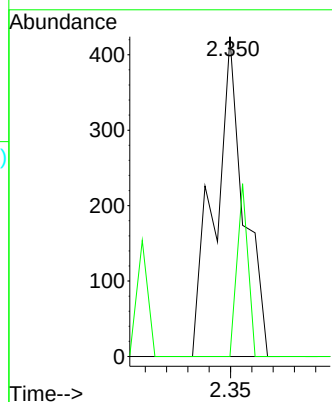
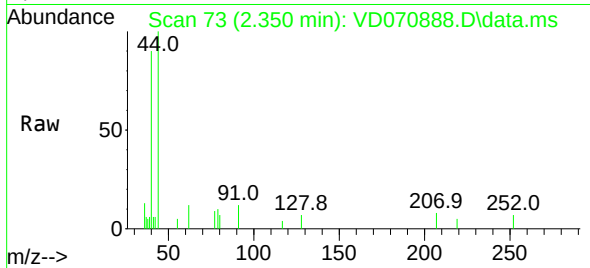




#4
 Vinyl Chloride
 Concen: 1.340 ug/l
 RT: 2.350 min Scan# 73
 Delta R.T. -0.000 min
 Lab File: VD070888.D
 Acq: 28 Oct 2021 13:04

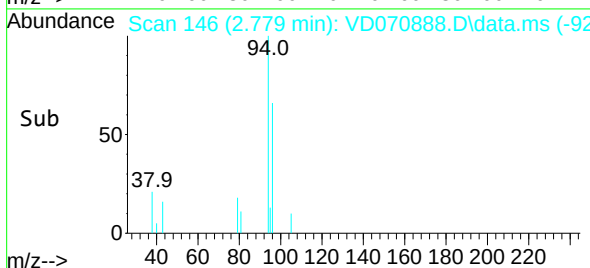
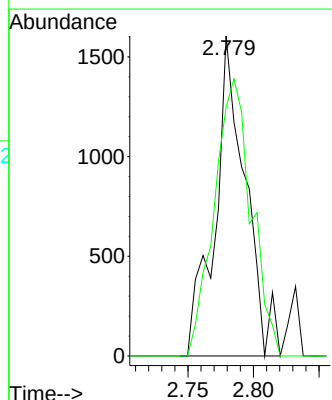
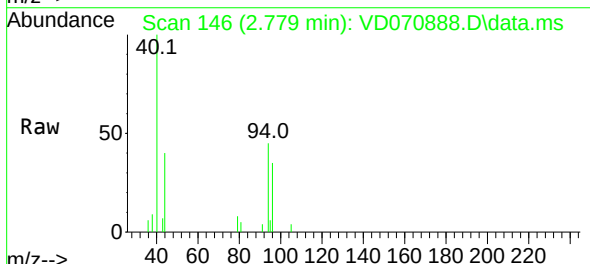
Instrument :
 MSVOA_D
 ClientSampled :

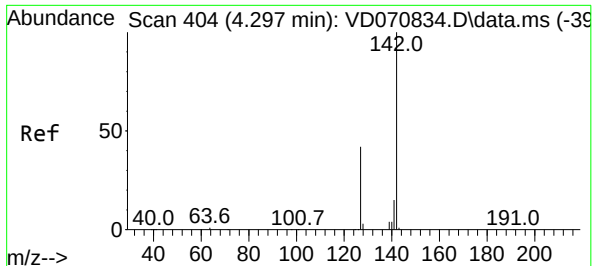
Tgt Ion: 62 Resp: 402
 Ion Ratio Lower Upper
 62 100
 64 0.0 26.0 39.0#



#5
 Bromomethane
 Concen: 10.617 ug/l
 RT: 2.779 min Scan# 146
 Delta R.T. 0.017 min
 Lab File: VD070888.D
 Acq: 28 Oct 2021 13:04

Tgt Ion: 94 Resp: 2594
 Ion Ratio Lower Upper
 94 100
 96 77.8 74.8 112.2





#10

Methyl Iodide

Concen: 14.436 ug/l

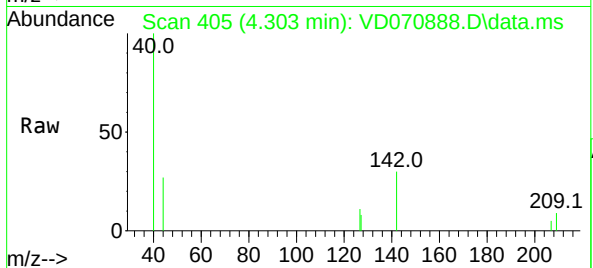
RT: 4.303 min Scan# 405

Delta R.T. 0.006 min

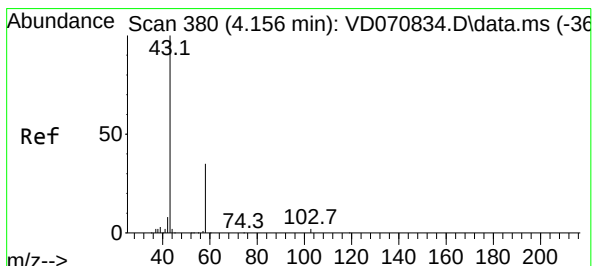
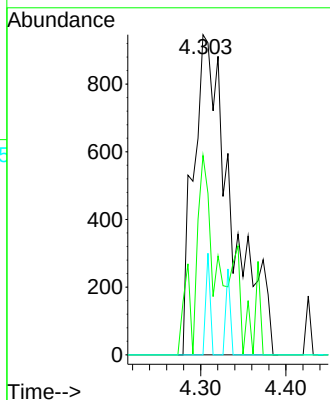
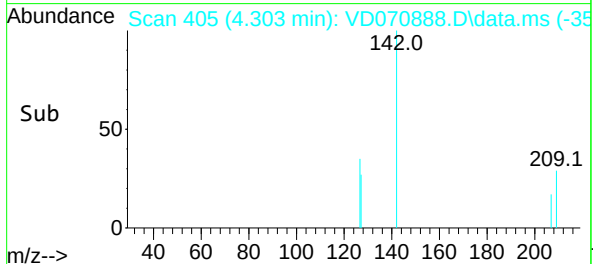
Lab File: VD070888.D

Acq: 28 Oct 2021 13:04

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion:	142	Resp:	2921
Ion Ratio	100	Lower	Upper
142	100		
127	33.3	35.0	52.4#
141	3.6	12.0	18.0#



#16

Acetone

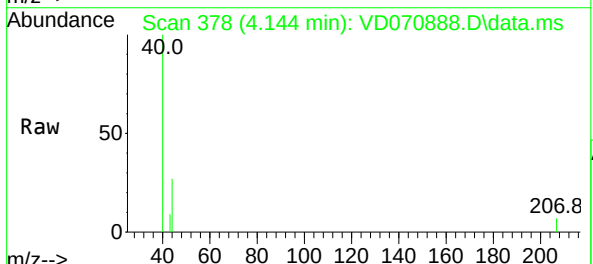
Concen: 4.488 ug/l

RT: 4.144 min Scan# 378

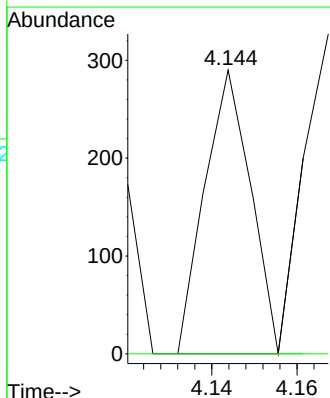
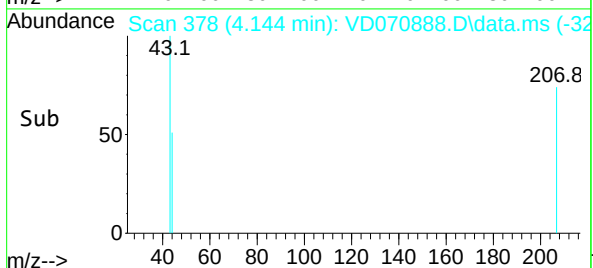
Delta R.T. -0.012 min

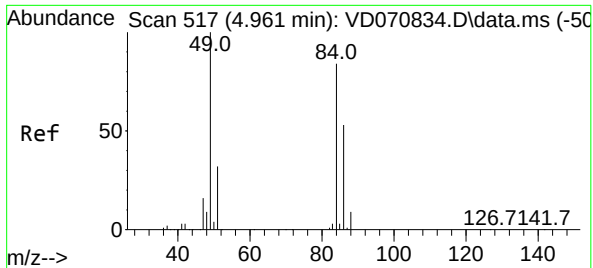
Lab File: VD070888.D

Acq: 28 Oct 2021 13:04



Tgt Ion:	43	Resp:	217
Ion Ratio	100	Lower	Upper
43	100		
58	0.0	27.8	41.8#





#20

Methylene Chloride

Concen: Below Cal

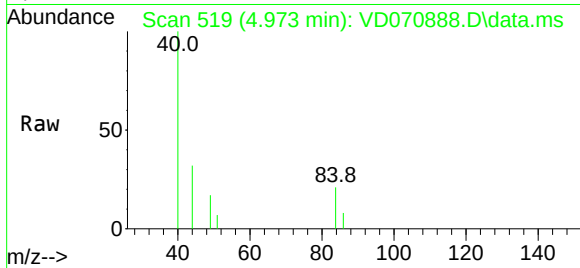
RT: 4.973 min Scan# 519

Delta R.T. 0.012 min

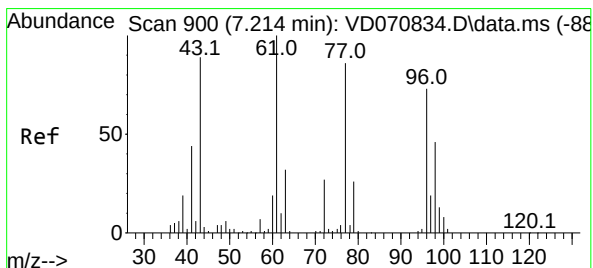
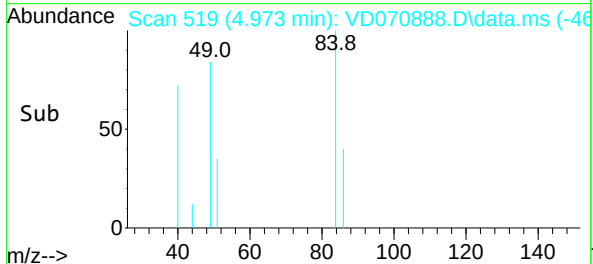
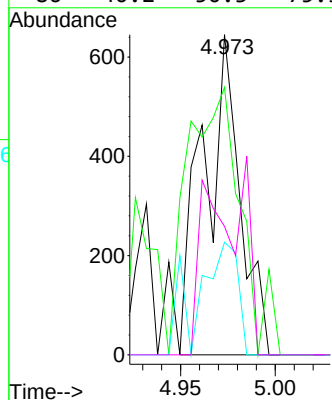
Lab File: VD070888.D

Acq: 28 Oct 2021 13:04

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion:	84	Resp:	872
Ion	Ratio	Lower	Upper
84	100		
49	83.6	95.8	143.6#
51	35.2	30.9	46.3
86	40.2	50.3	75.5#



#25

2-Butanone

Concen: 1.059 ug/l

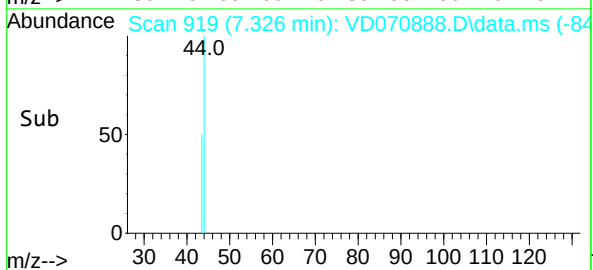
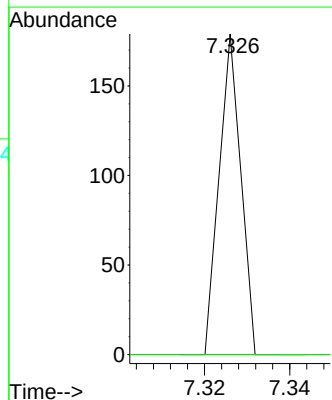
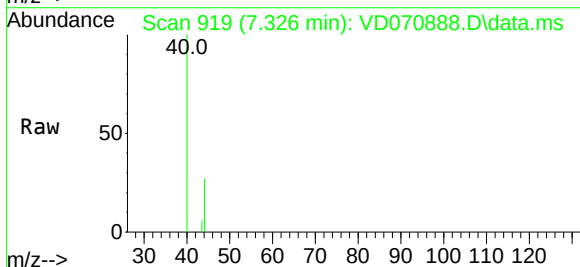
RT: 7.326 min Scan# 919

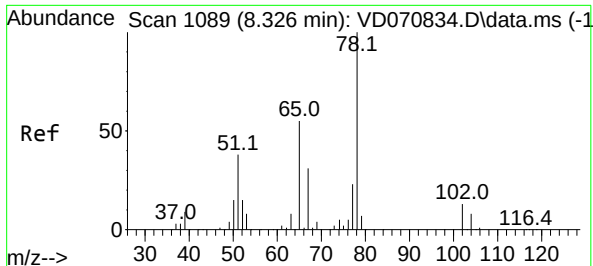
Delta R.T. 0.112 min

Lab File: VD070888.D

Acq: 28 Oct 2021 13:04

Tgt Ion:	43	Resp:	63
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.8	35.6#

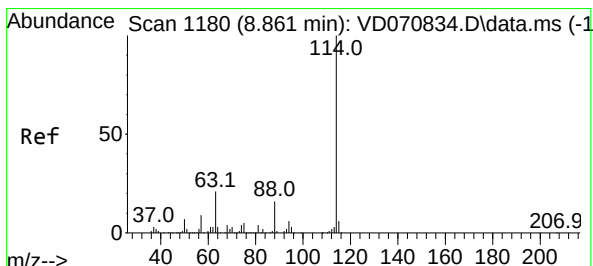
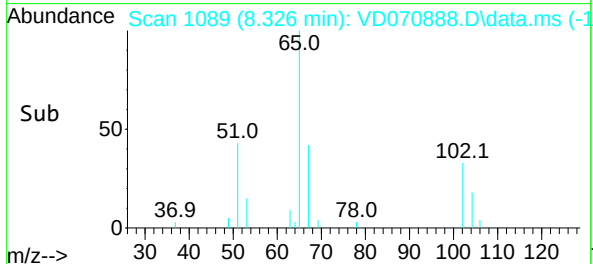
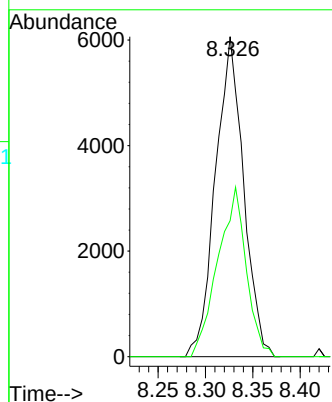
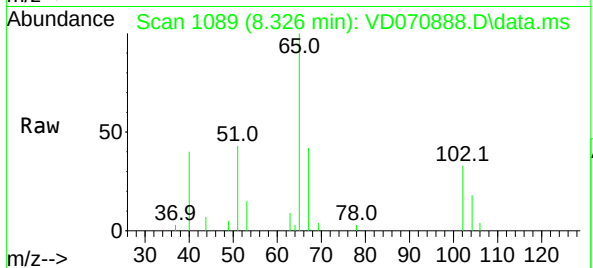




#33
1,2-Dichloroethane-d4
Concen: 60.113 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070888.D
Acq: 28 Oct 2021 13:04

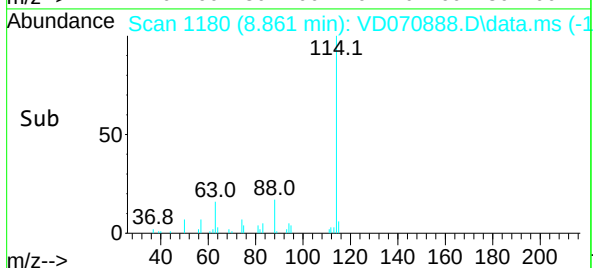
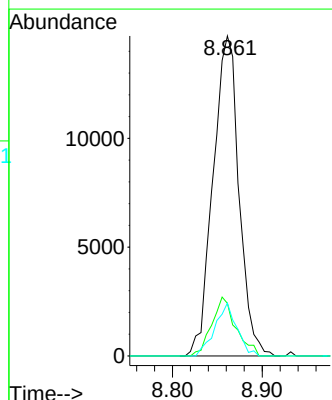
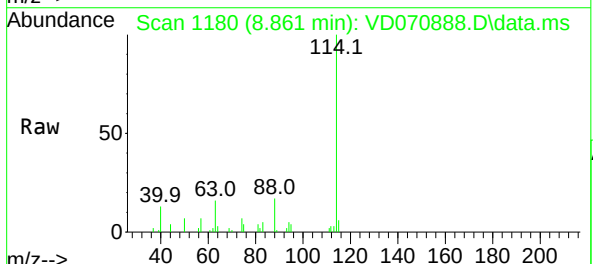
Instrument :
MSVOA_D
ClientSampleId :

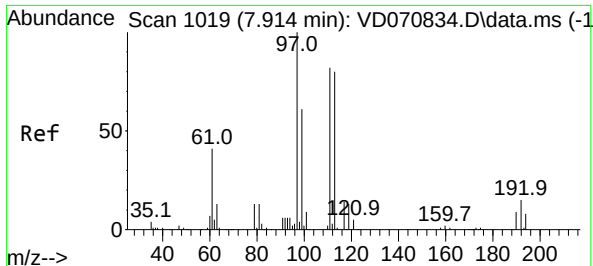
Tgt Ion: 65 Resp: 12492
Ion Ratio Lower Upper
65 100
67 53.7 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070888.D
Acq: 28 Oct 2021 13:04

Tgt Ion: 114 Resp: 29535
Ion Ratio Lower Upper
114 100
63 16.5 0.0 41.8
88 16.6 0.0 32.8



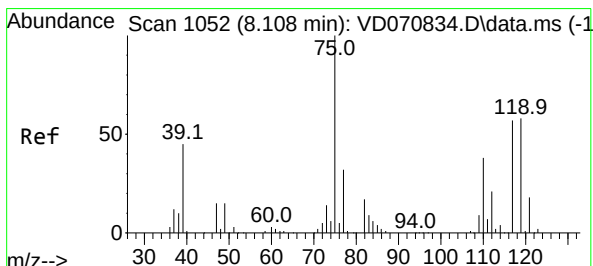
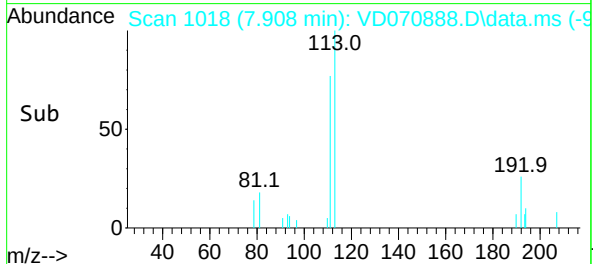
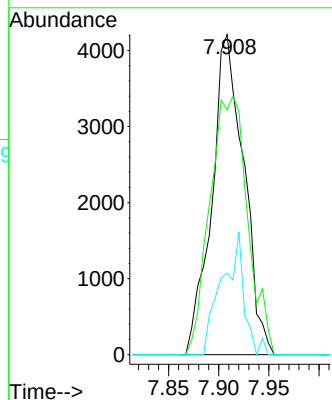
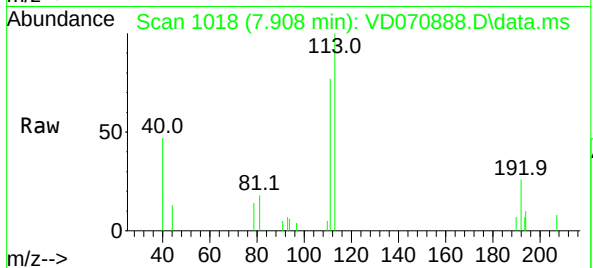


#35

Dibromofluoromethane
Concen: 47.869 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070888.D
Acq: 28 Oct 2021 13:04

Instrument :
MSVOA_D
ClientSampleId :

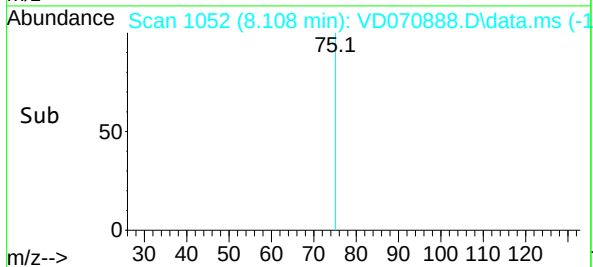
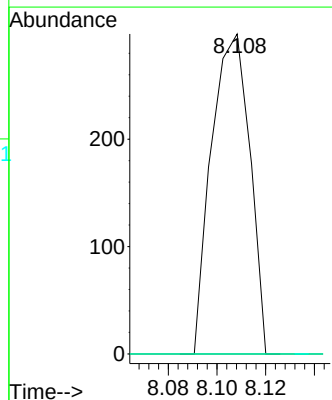
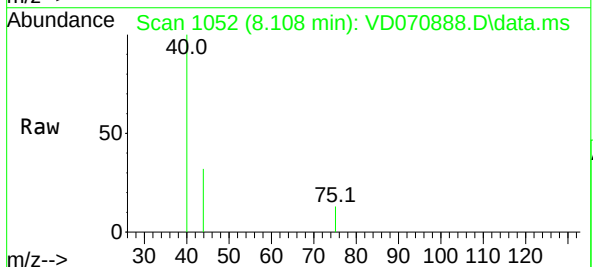
Tgt Ion:113 Resp: 9322
Ion Ratio Lower Upper
113 100
111 95.6 82.0 123.0
192 26.6 15.2 22.8#

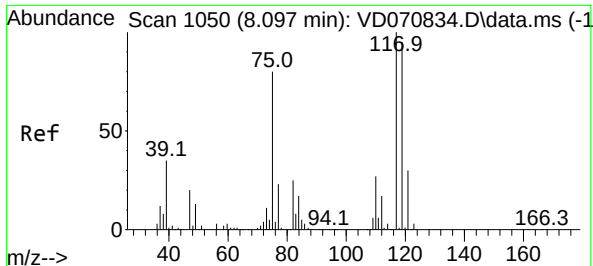


#36

1,1-Dichloropropene
Concen: 1.055 ug/l
RT: 8.108 min Scan# 1052
Delta R.T. -0.000 min
Lab File: VD070888.D
Acq: 28 Oct 2021 13:04

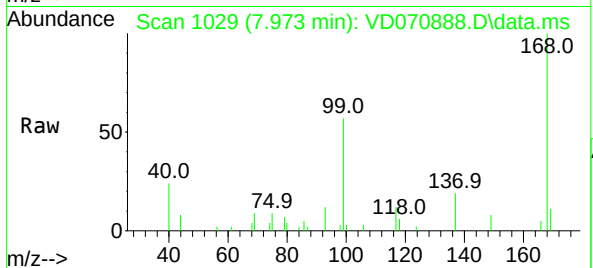
Tgt Ion: 75 Resp: 326
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.4#
77 0.0 24.8 37.2#



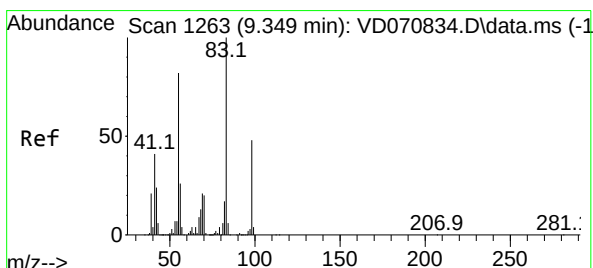
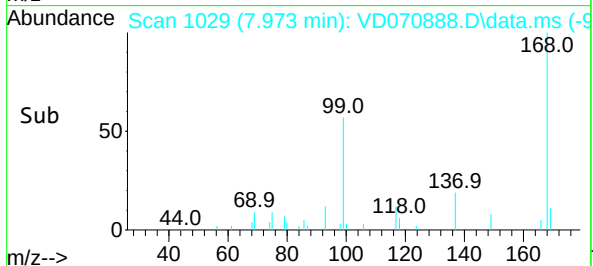
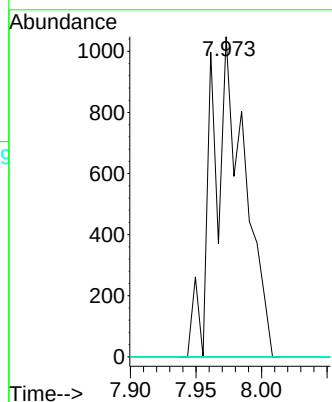


#38
Carbon Tetrachloride
Concen: 5.773 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070888.D
Acq: 28 Oct 2021 13:04

Instrument :
MSVOA_D
ClientSampled :

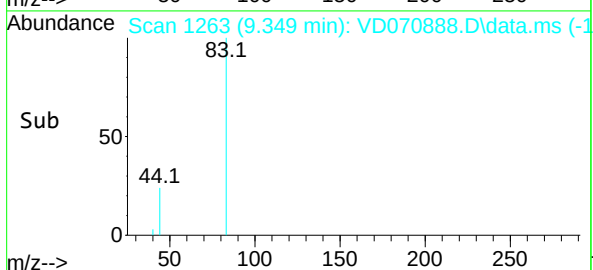
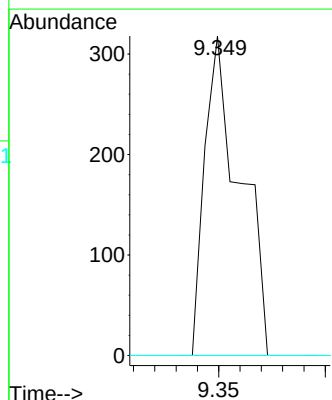
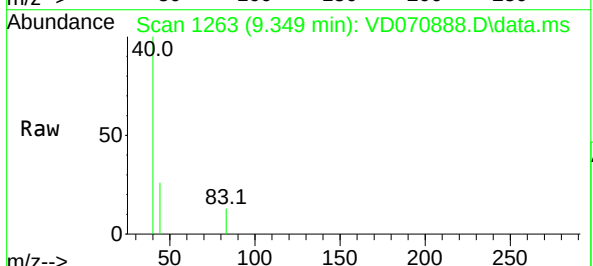


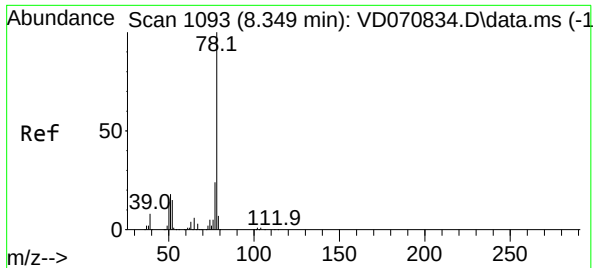
Tgt Ion:117 Resp: 1794
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#



#39
Methylcyclohexane
Concen: 1.032 ug/l
RT: 9.349 min Scan# 1263
Delta R.T. -0.000 min
Lab File: VD070888.D
Acq: 28 Oct 2021 13:04

Tgt Ion: 83 Resp: 367
Ion Ratio Lower Upper
83 100
55 0.0 65.8 98.8#
98 0.0 38.7 58.1#

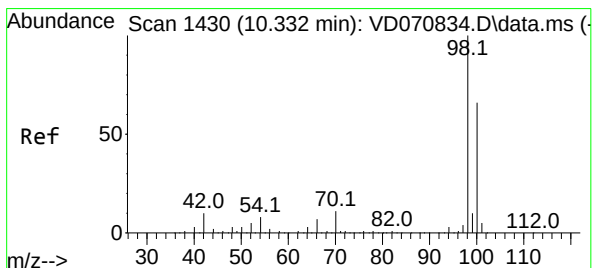
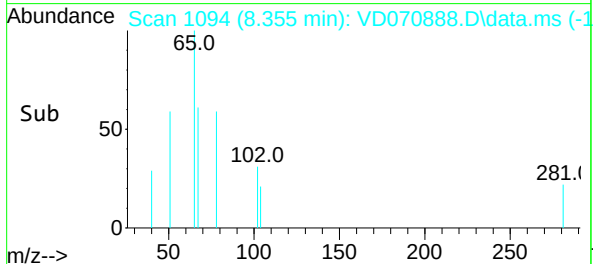
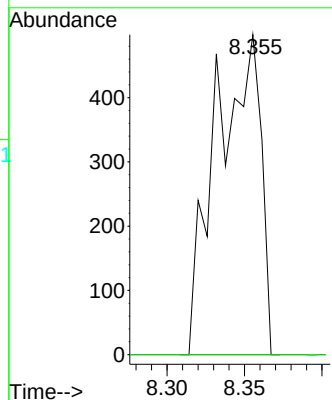
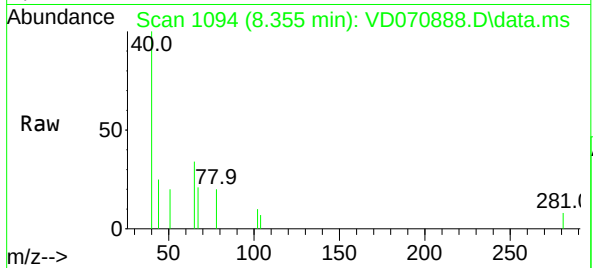




#40
Benzene
Concen: 1.102 ug/l
RT: 8.355 min Scan# 1094
Delta R.T. 0.006 min
Lab File: VD070888.D
Acq: 28 Oct 2021 13:04

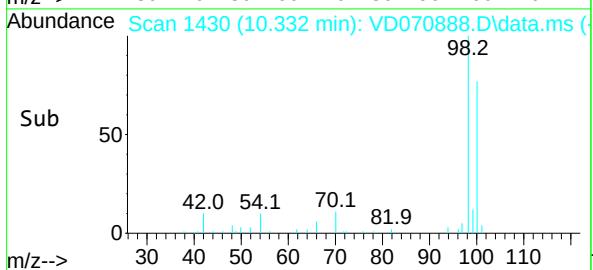
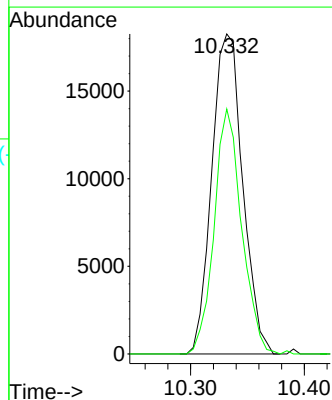
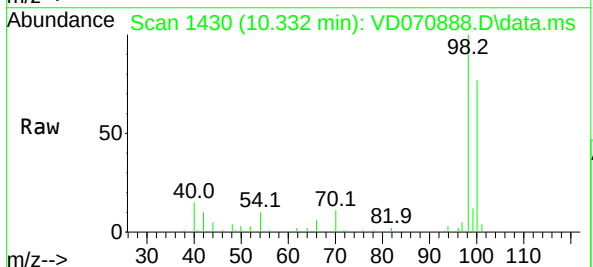
Instrument :
MSVOA_D
ClientSampled :

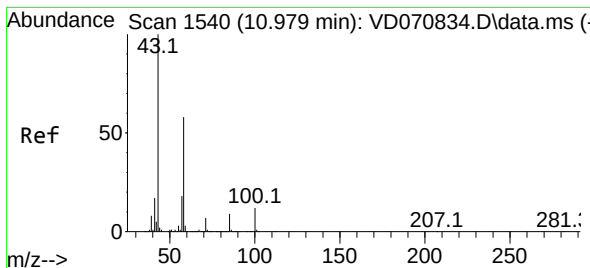
Tgt Ion: 78 Resp: 990
Ion Ratio Lower Upper
78 100
77 0.0 19.1 28.7#



#50
Toluene-d8
Concen: 47.213 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD070888.D
Acq: 28 Oct 2021 13:04

Tgt Ion: 98 Resp: 34590
Ion Ratio Lower Upper
98 100
100 68.0 51.8 77.6

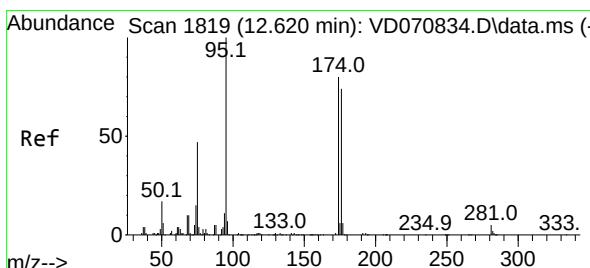
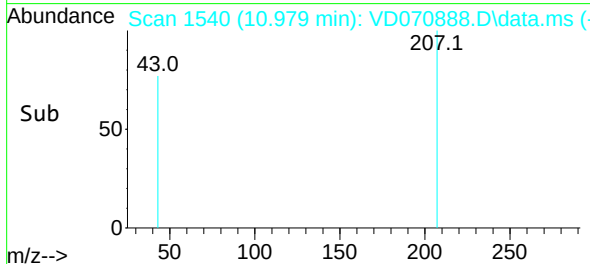
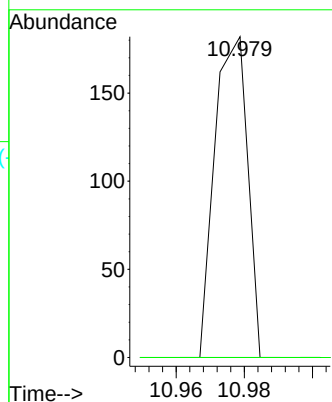
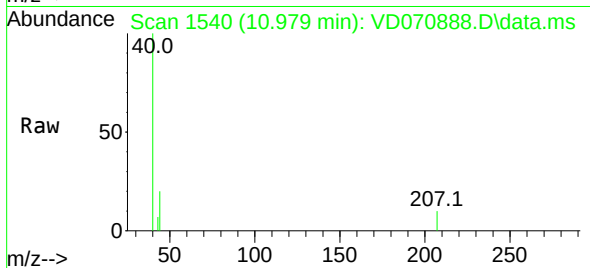




#59
2-Hexanone
Concen: 1.514 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD070888.D
Acq: 28 Oct 2021 13:04

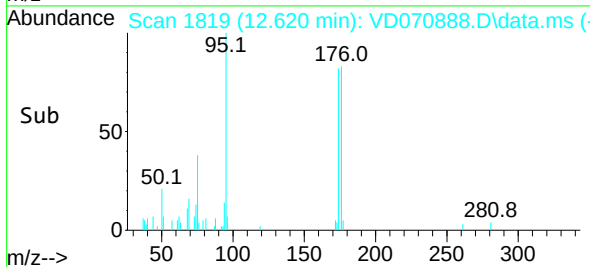
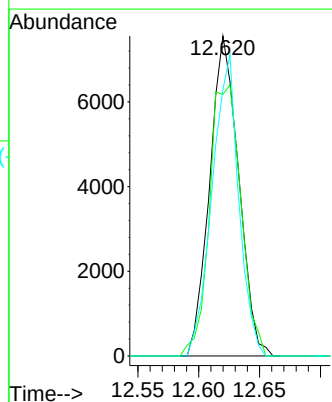
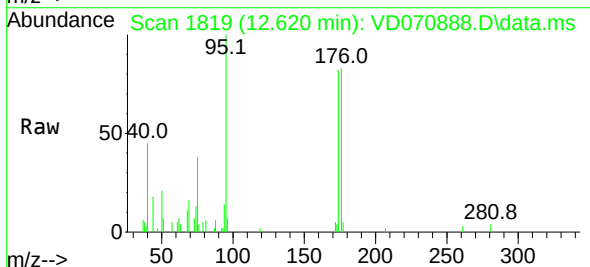
Instrument :
MSVOA_D
ClientSampled :

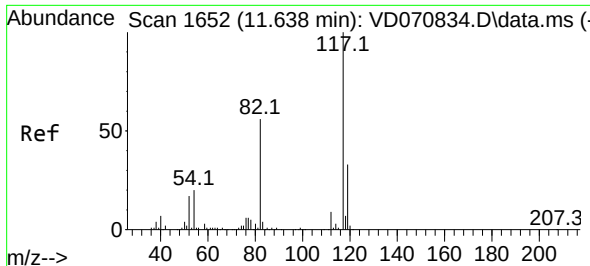
Tgt Ion: 43 Resp: 121
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 51.764 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD070888.D
Acq: 28 Oct 2021 13:04

Tgt Ion: 95 Resp: 12513
Ion Ratio Lower Upper
95 100
174 91.8 0.0 159.4
176 86.3 0.0 154.0

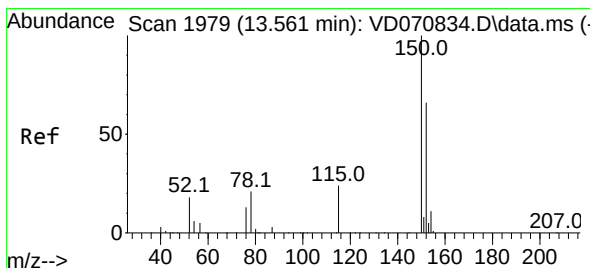
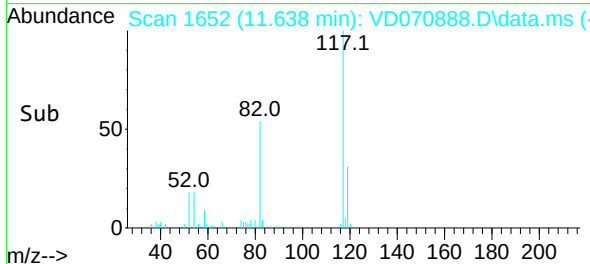
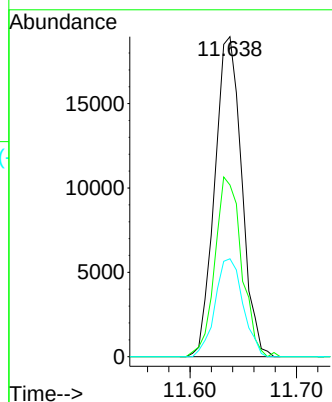
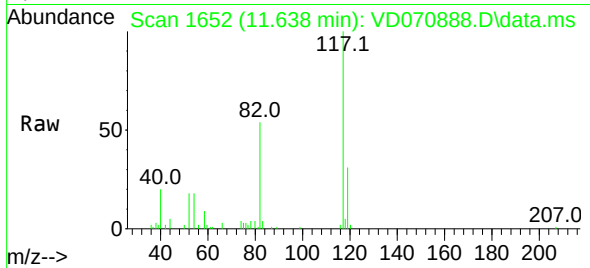




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070888.D
Acq: 28 Oct 2021 13:04

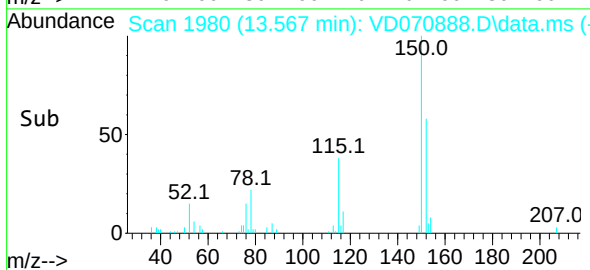
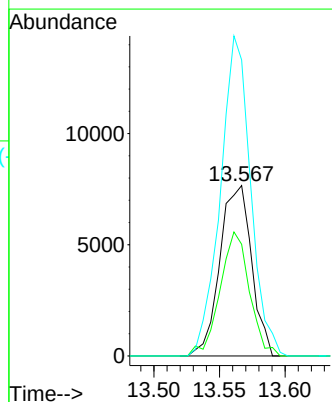
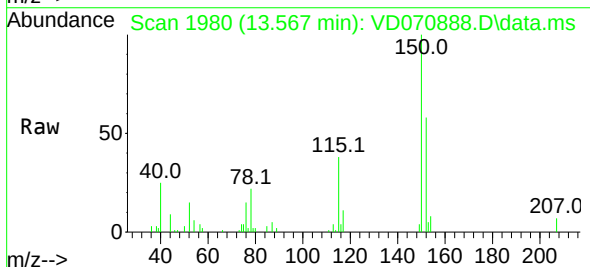
Instrument :
MSVOA_D
ClientSampleId :

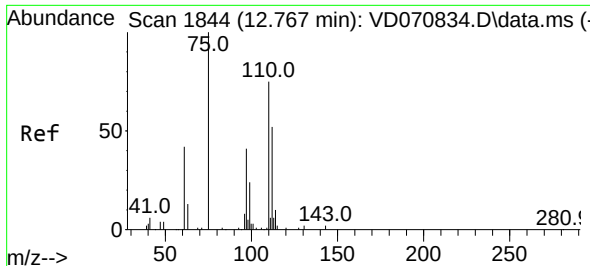
Tgt Ion:117 Resp: 33333
Ion Ratio Lower Upper
117 100
82 53.7 44.7 67.1
119 30.6 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD070888.D
Acq: 28 Oct 2021 13:04

Tgt Ion:152 Resp: 12877
Ion Ratio Lower Upper
152 100
115 67.5 29.8 89.3
150 179.0 0.0 349.2

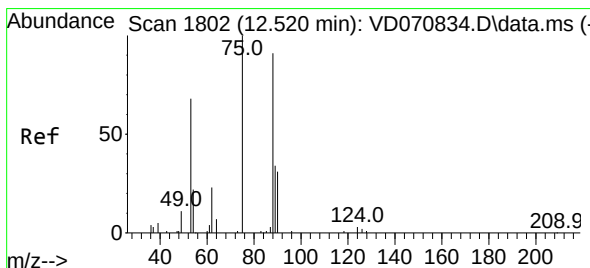
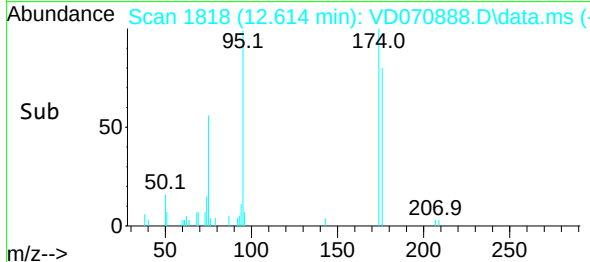
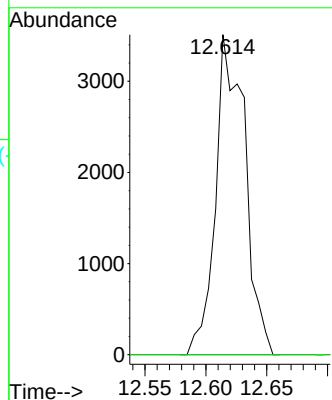
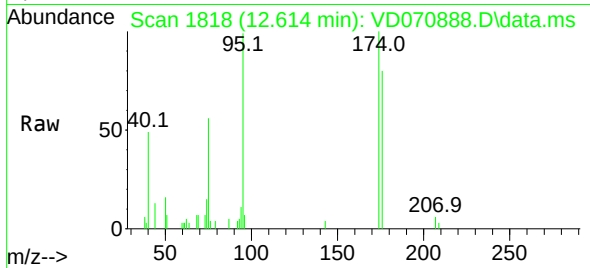




#76
1,2,3-Trichloropropane
Concen: 46.512 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.153 min
Lab File: VD070888.D
Acq: 28 Oct 2021 13:04

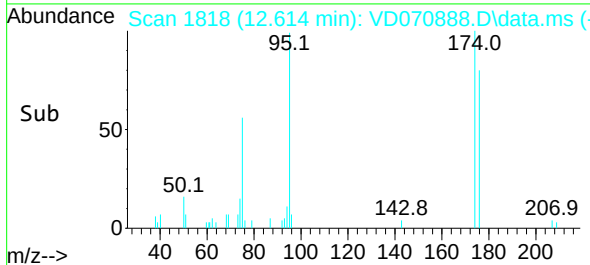
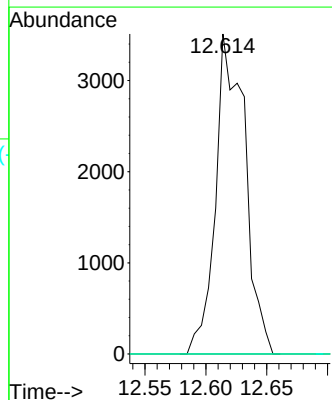
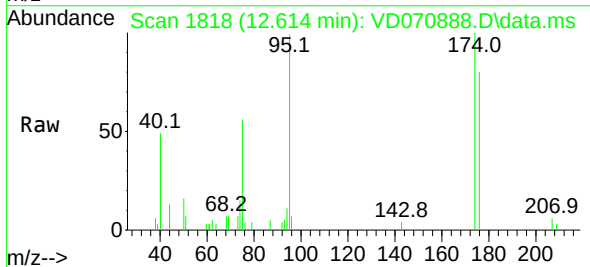
Instrument :
MSVOA_D
ClientSampled :

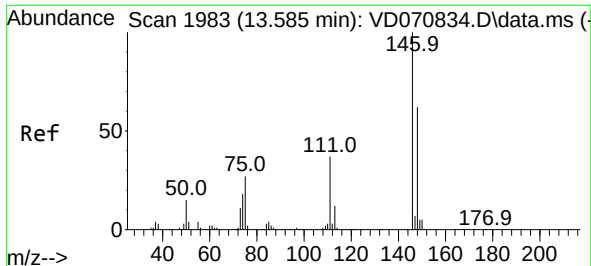
Tgt Ion: 75 Resp: 5896
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.078 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.094 min
Lab File: VD070888.D
Acq: 28 Oct 2021 13:04

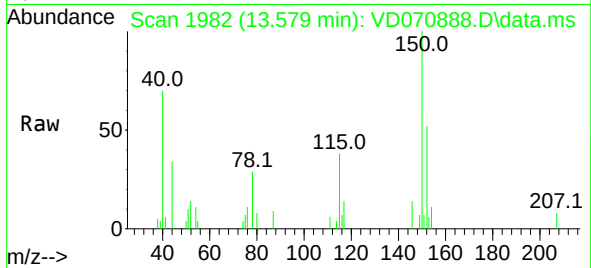
Tgt Ion: 75 Resp: 5896
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#



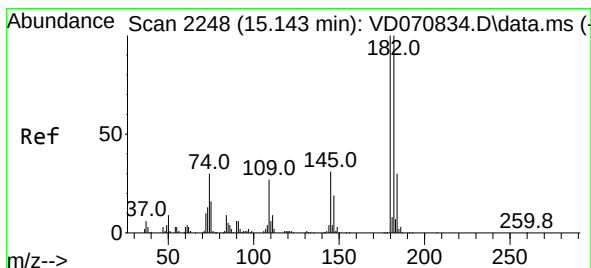
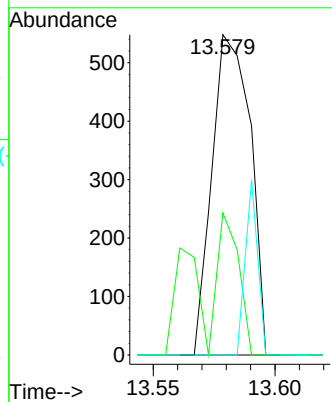
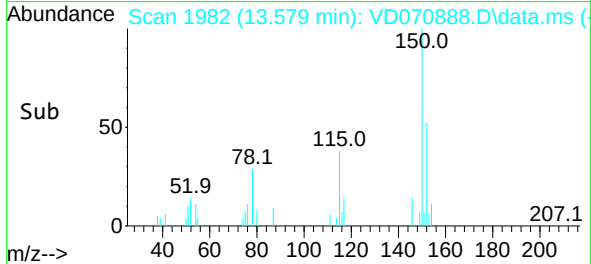


#88
 1,4-Dichlorobenzene
 Concen: 1.395 ug/l
 RT: 13.579 min Scan# 1982
 Delta R.T. -0.006 min
 Lab File: VD070888.D
 Acq: 28 Oct 2021 13:04

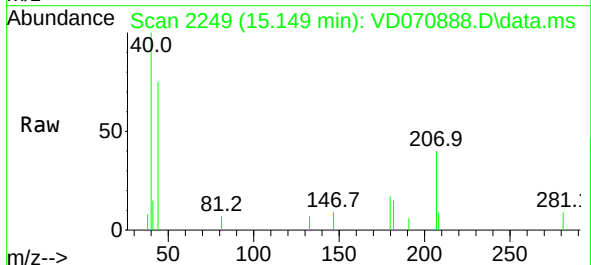
Instrument :
 MSVOA_D
 ClientSampleId :



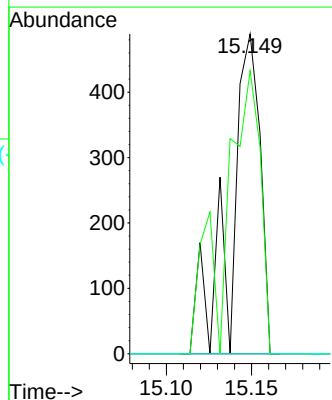
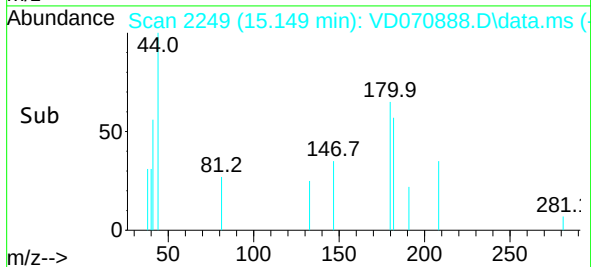
Tgt Ion:146 Resp: 598
 Ion Ratio Lower Upper
 146 100
 111 24.9 19.6 58.8
 148 17.7 31.5 94.5#

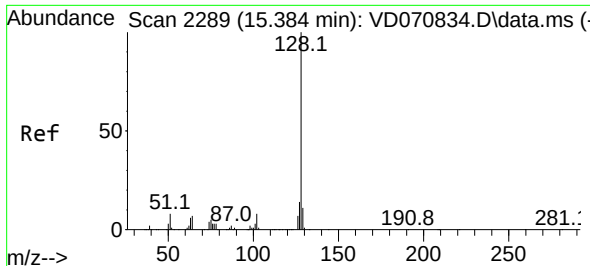


#93
 1,2,4-Trichlorobenzene
 Concen: 2.783 ug/l
 RT: 15.149 min Scan# 2249
 Delta R.T. 0.006 min
 Lab File: VD070888.D
 Acq: 28 Oct 2021 13:04



Tgt Ion:180 Resp: 593
 Ion Ratio Lower Upper
 180 100
 182 105.9 48.2 144.6
 145 0.0 15.4 46.2#

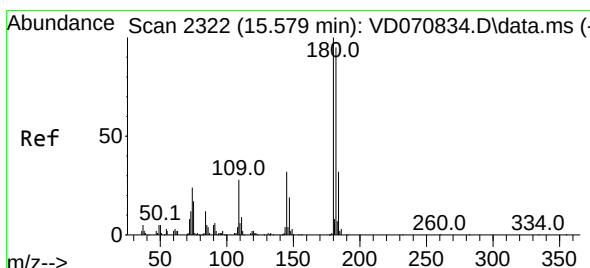
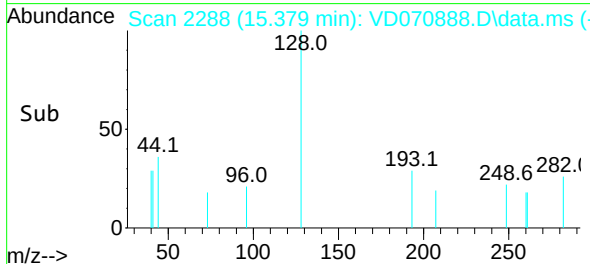
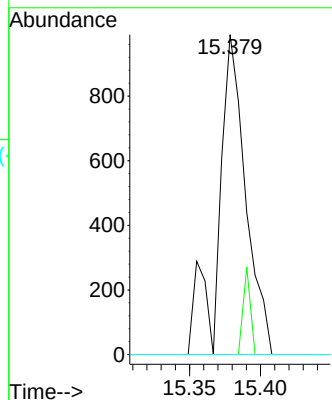
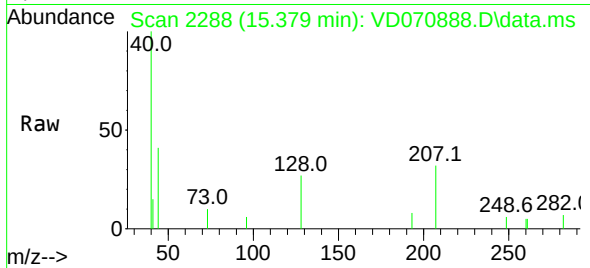




#95
Naphthalene
Concen: 7.128 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.005 min
Lab File: VD070888.D
Acq: 28 Oct 2021 13:04

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 1324
Ion Ratio Lower Upper
128 100
127 7.3 10.7 16.1#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.722 ug/l
RT: 15.578 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VD070888.D
Acq: 28 Oct 2021 13:04

Tgt Ion:180 Resp: 504
Ion Ratio Lower Upper
180 100
182 74.6 46.7 140.1
145 0.0 15.9 47.6#

