

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092421\
 Data File : VD070465.D
 Acq On : 24 Sep 2021 20:04
 Operator : VA/SY
 Sample : M3908-06
 Misc : 6.35G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 25 03:10:19 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)

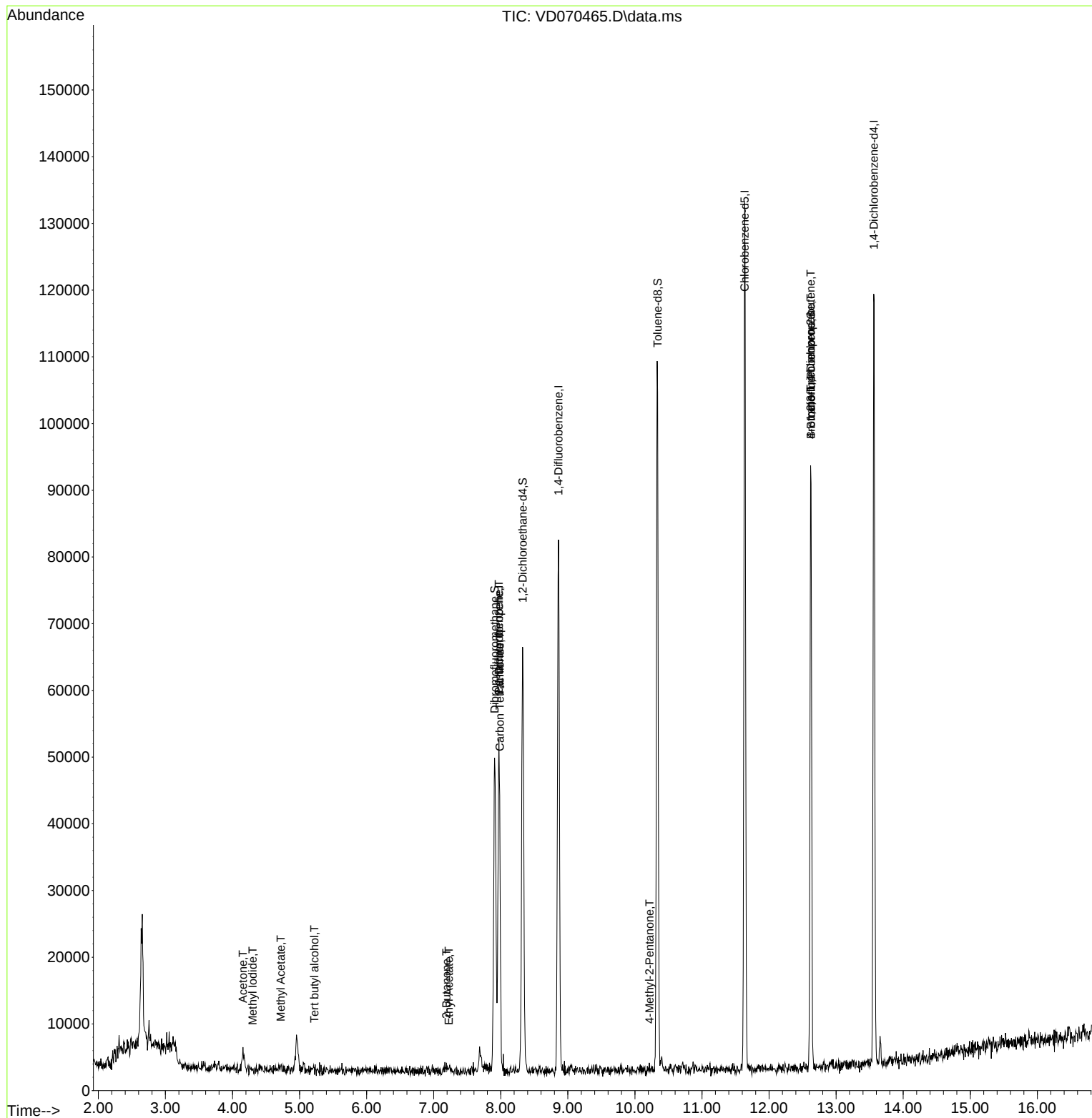
Internal Standards						
1) Pentafluorobenzene	7.973	168	36405	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	70735	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	79928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	32103	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	51872	110.968	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 221.940%#			
35) Dibromofluoromethane	7.908	113	35472	70.451	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 140.900%			
50) Toluene-d8	10.338	98	78999	43.214	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 86.420%			
62) 4-Bromofluorobenzene	12.626	95	29686	46.465	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.920%			
Target Compounds						Qvalue
3) Chloromethane	2.215	50	209	Below Cal	#	42
5) Bromomethane	2.767	94	771	Below Cal	#	78
6) Chloroethane	2.862	64	58	Below Cal	#	43
10) Methyl Iodide	4.303	142	57	1.153	ug/l #	39
11) Tert butyl alcohol	5.220	59	117	2.214	ug/l #	100
16) Acetone	4.156	43	4642	55.622	ug/l #	77
18) Methyl Acetate	4.720	43	993	2.909	ug/l #	62
20) Methylene Chloride	4.956	84	3756	Below Cal	#	96
25) 2-Butanone	7.191	43	500	4.501	ug/l #	47
36) 1,1-Dichloropropene	7.973	75	3190	4.219	ug/l #	41
37) Ethyl Acetate	7.226	43	433	1.532	ug/l #	65
38) Carbon Tetrachloride	7.985	117	3709	4.960	ug/l #	12
51) 4-Methyl-2-Pentanone	10.220	43	635	2.347	ug/l #	61
71) Bromoform	12.626	173	438	1.461	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	13907	42.827	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	13907	107.307	ug/l #	17

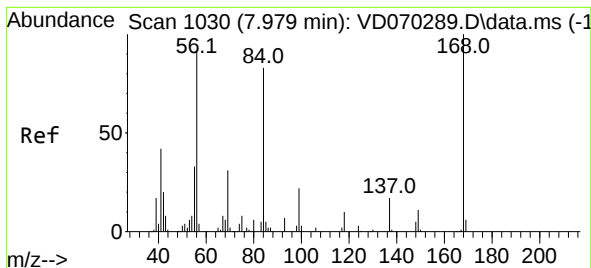
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD070465.D

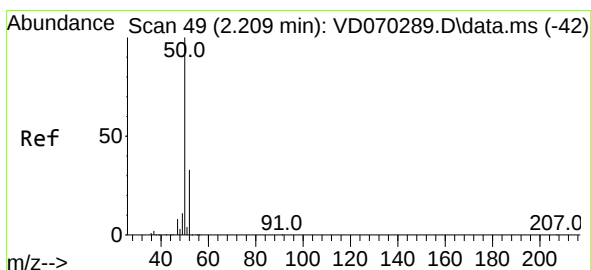
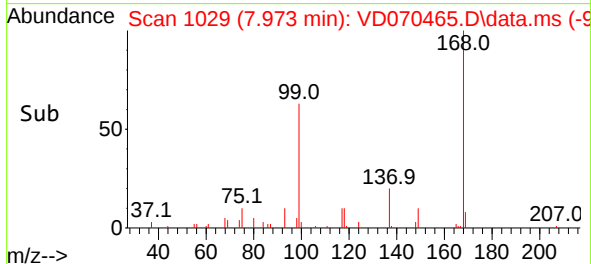
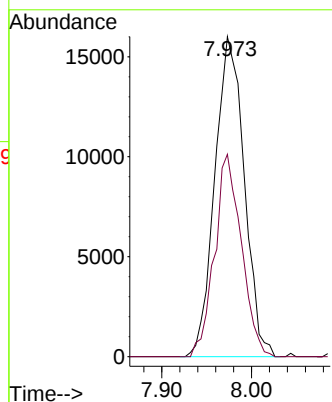
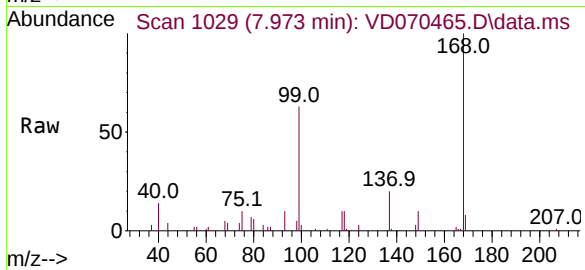
Acq: 24 Sep 2021 20:04

Tgt Ion:168 Resp: 36405

Ion Ratio Lower Upper

168 100

99 63.2 50.8 76.2



#3

Chloromethane

Concen: Below Cal

RT: 2.215 min Scan# 50

Delta R.T. 0.006 min

Lab File: VD070465.D

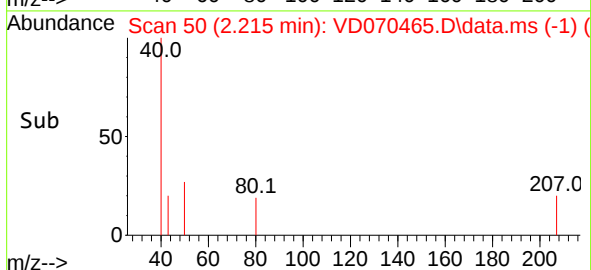
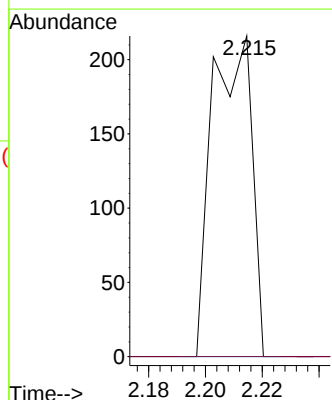
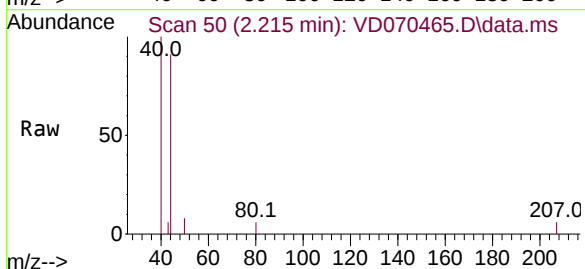
Acq: 24 Sep 2021 20:04

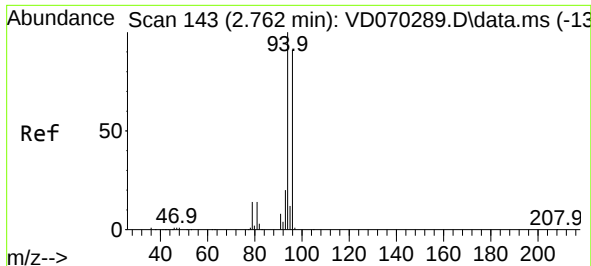
Tgt Ion: 50 Resp: 209

Ion Ratio Lower Upper

50 100

52 0.0 26.2 39.2#

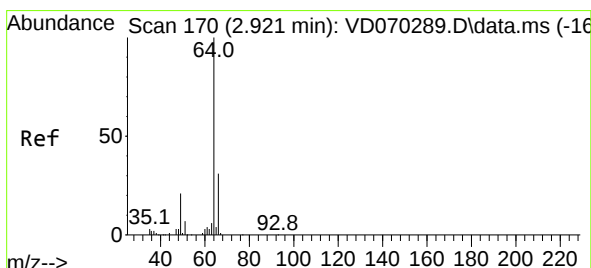
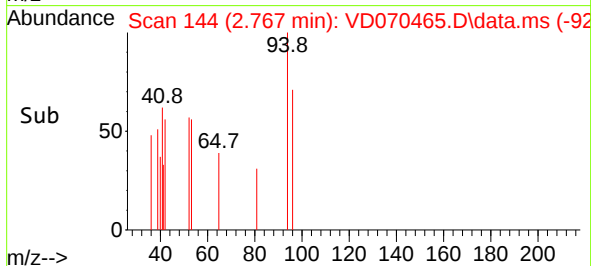
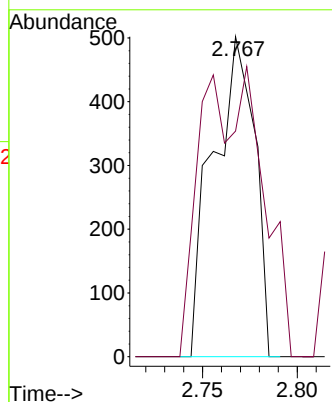
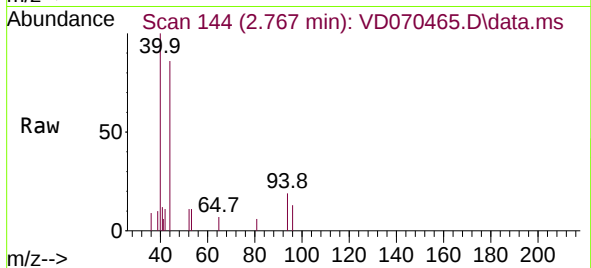




#5
Bromomethane
Concen: Below Cal
RT: 2.767 min Scan# 144
Delta R.T. 0.005 min
Lab File: VD070465.D
Acq: 24 Sep 2021 20:04

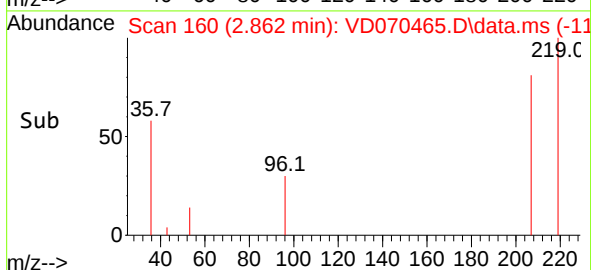
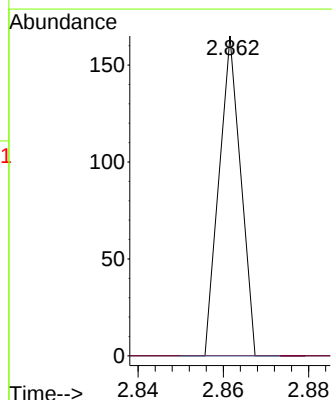
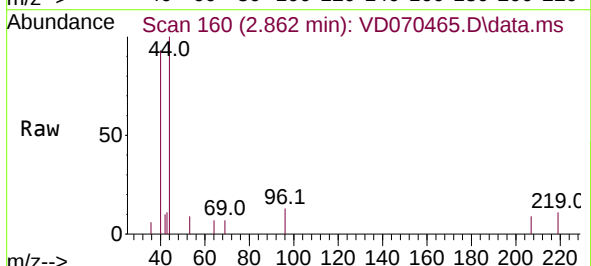
Instrument :
MSVOA_D
ClientSampled :

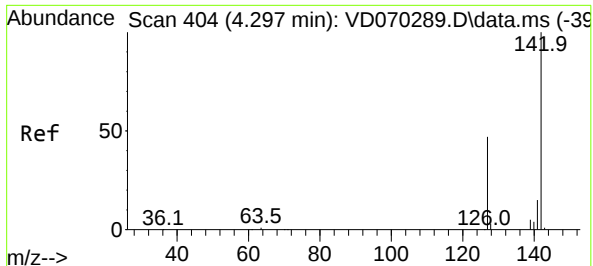
Tgt Ion: 94 Resp: 771
Ion Ratio Lower Upper
94 100
96 70.5 73.0 109.6#



#6
Chloroethane
Concen: Below Cal
RT: 2.862 min Scan# 160
Delta R.T. -0.059 min
Lab File: VD070465.D
Acq: 24 Sep 2021 20:04

Tgt Ion: 64 Resp: 58
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#

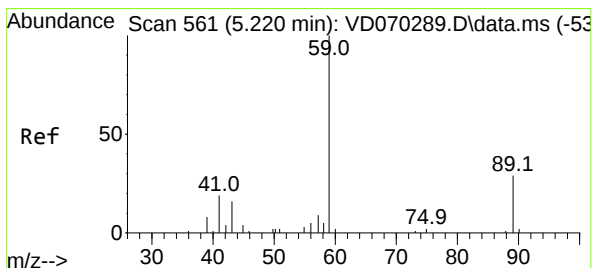
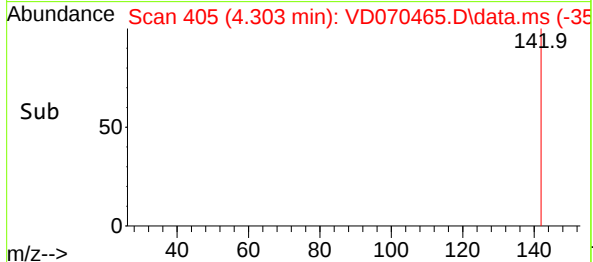
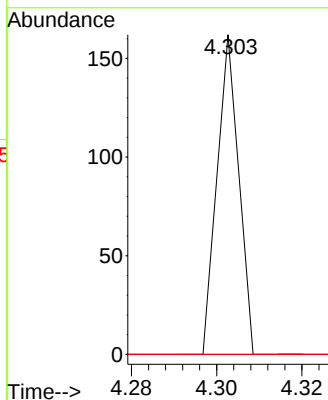
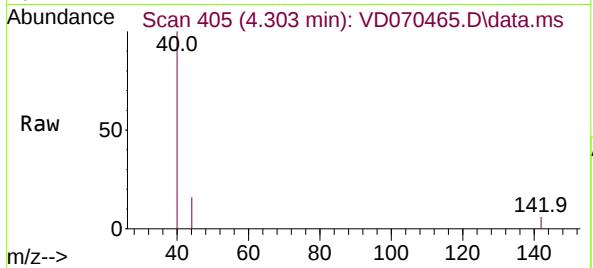




#10
Methyl Iodide
Concen: 1.153 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD070465.D
Acq: 24 Sep 2021 20:04

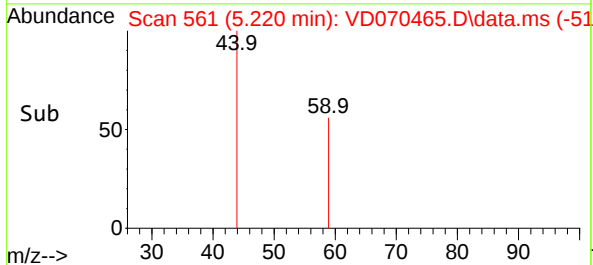
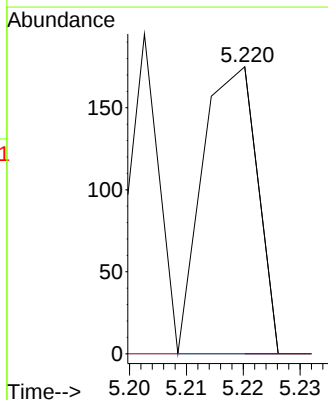
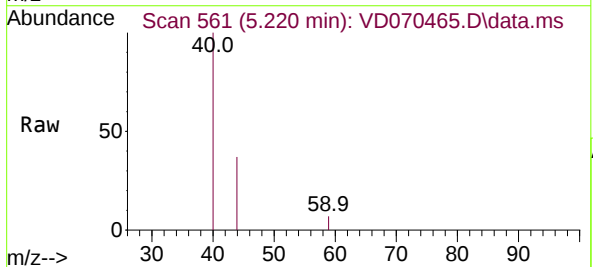
Instrument :
MSVOA_D
ClientSampled :

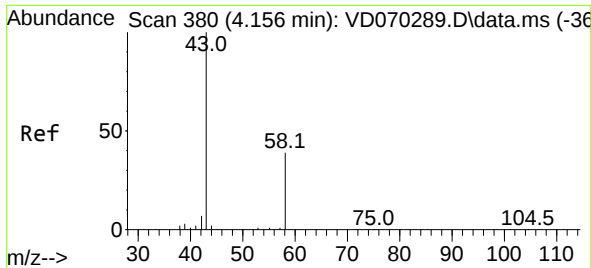
Tgt Ion:142 Resp: 57
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#



#11
Tert butyl alcohol
Concen: 2.214 ug/l
RT: 5.220 min Scan# 561
Delta R.T. 0.000 min
Lab File: VD070465.D
Acq: 24 Sep 2021 20:04

Tgt Ion: 59 Resp: 117
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

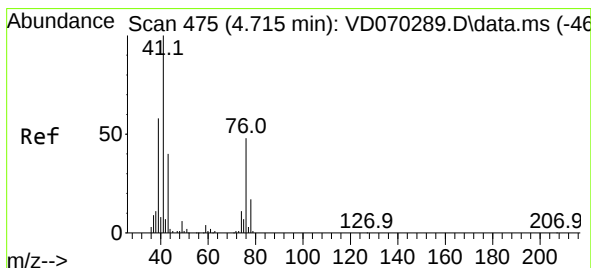
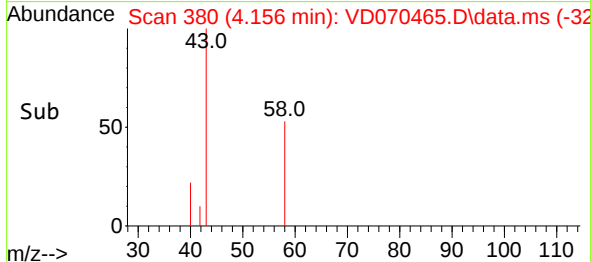
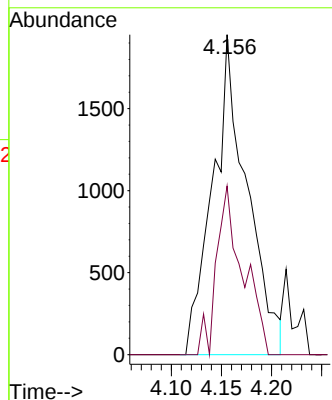
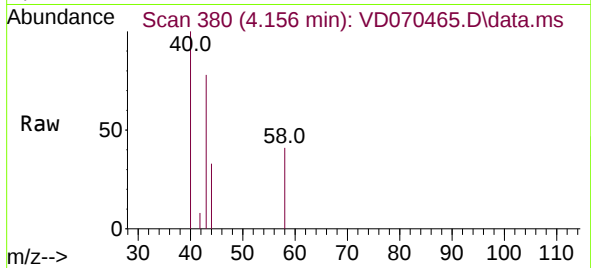




#16
Acetone
Concen: 55.622 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD070465.D
Acq: 24 Sep 2021 20:04

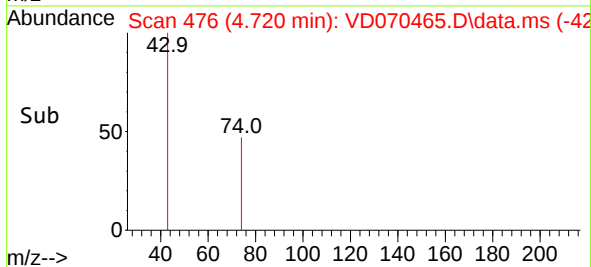
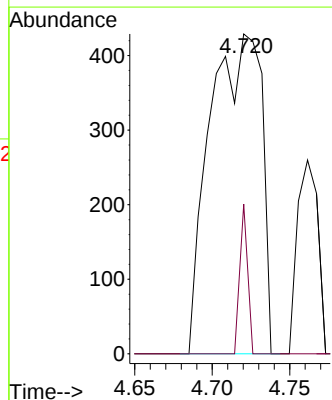
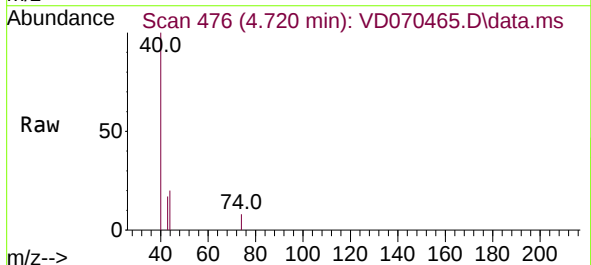
Instrument :
MSVOA_D
ClientSampled :

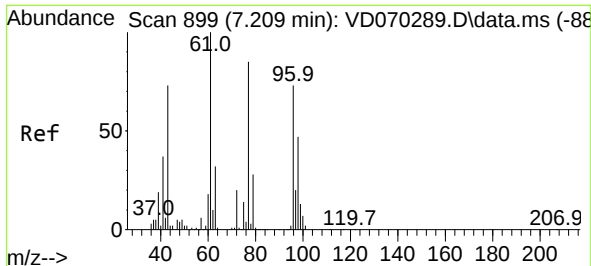
Tgt Ion: 43 Resp: 4642
Ion Ratio Lower Upper
43 100
58 52.7 30.9 46.3#



#18
Methyl Acetate
Concen: 2.909 ug/l
RT: 4.720 min Scan# 476
Delta R.T. 0.005 min
Lab File: VD070465.D
Acq: 24 Sep 2021 20:04

Tgt Ion: 43 Resp: 993
Ion Ratio Lower Upper
43 100
74 7.2 21.6 32.4#

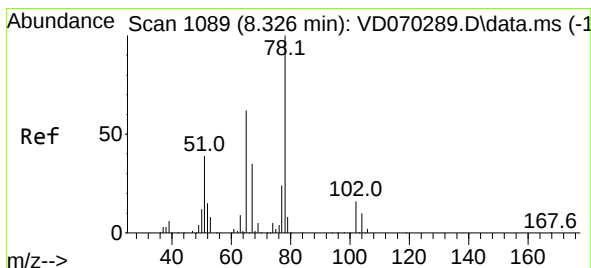
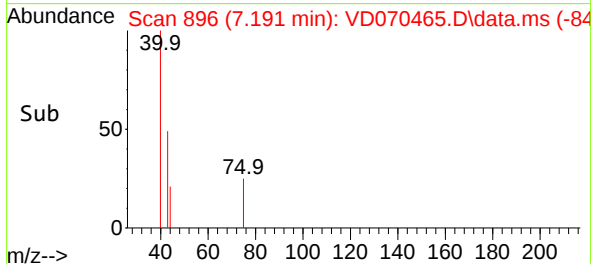
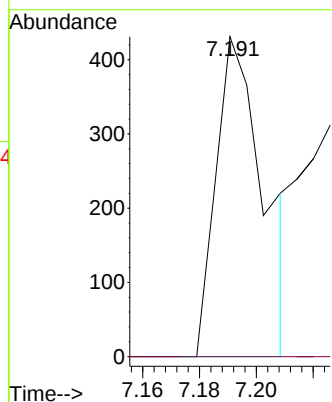
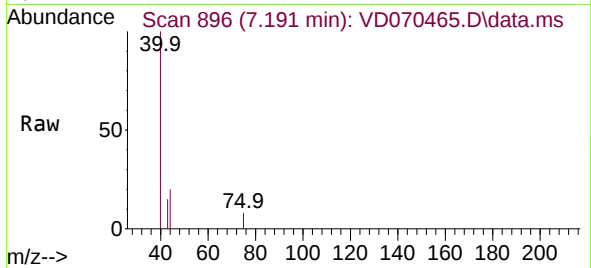




#25
2-Butanone
Concen: 4.501 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.018 min
Lab File: VD070465.D
Acq: 24 Sep 2021 20:04

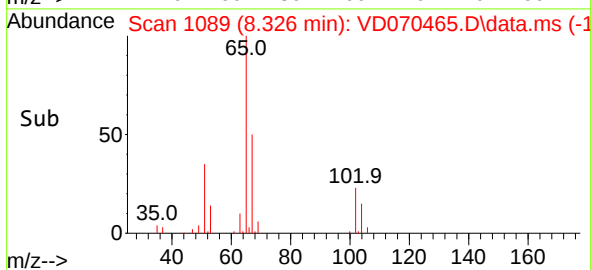
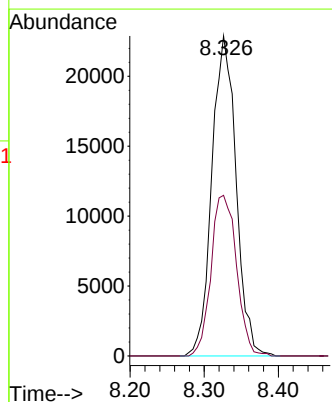
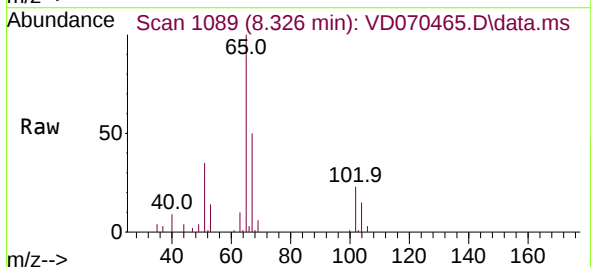
Instrument :
MSVOA_D
ClientSampled :

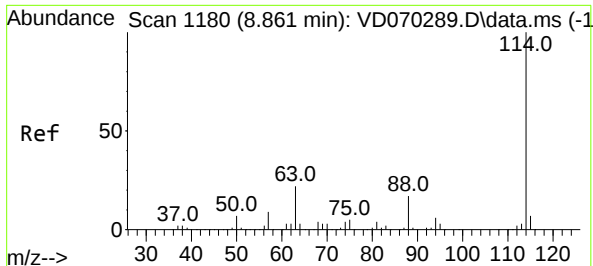
Tgt Ion: 43 Resp: 500
Ion Ratio Lower Upper
43 100
72 0.0 22.2 33.4#



#33
1,2-Dichloroethane-d4
Concen: 110.968 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070465.D
Acq: 24 Sep 2021 20:04

Tgt Ion: 65 Resp: 51872
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

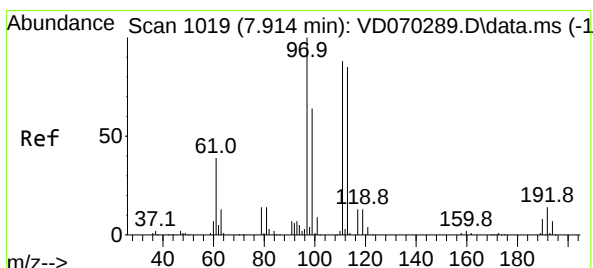
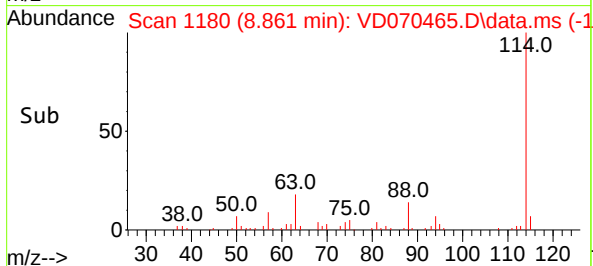
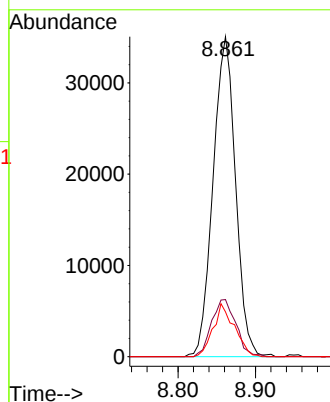
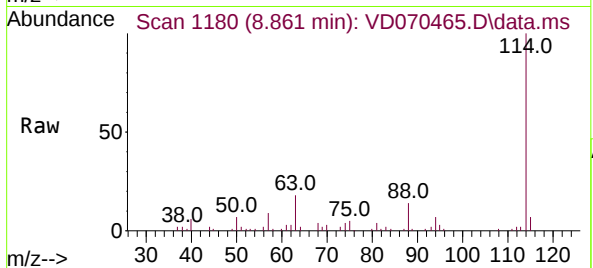
Delta R.T. -0.000 min

Lab File: VD070465.D

Acq: 24 Sep 2021 20:04

Tgt Ion:	114	Resp:	70735
Ion Ratio	Lower	Upper	
114	100		
63	17.8	0.0	43.4
88	14.0	0.0	33.4

Instrument :
MSVOA_D
ClientSampled :



#35

Dibromofluoromethane

Concen: 70.451 ug/l

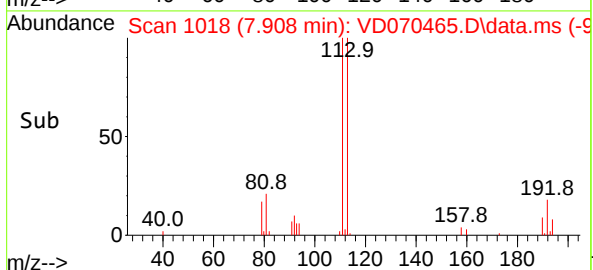
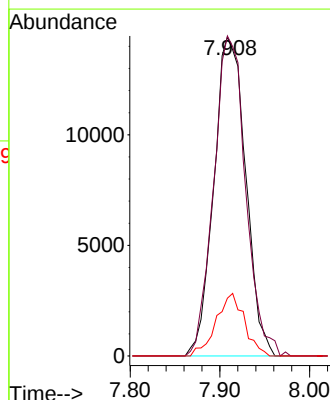
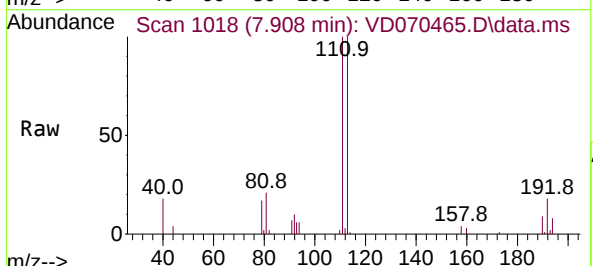
RT: 7.908 min Scan# 1018

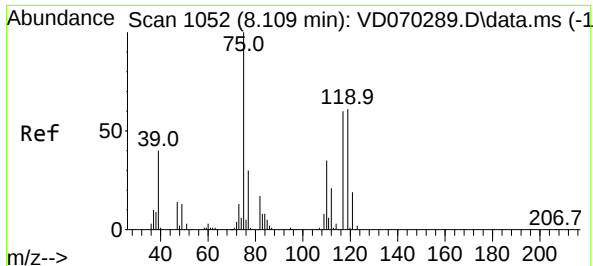
Delta R.T. -0.006 min

Lab File: VD070465.D

Acq: 24 Sep 2021 20:04

Tgt Ion:	113	Resp:	35472
Ion Ratio	Lower	Upper	
113	100		
111	100.5	81.4	122.2
192	17.5	13.0	19.6





#36

1,1-Dichloropropene

Concen: 4.219 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

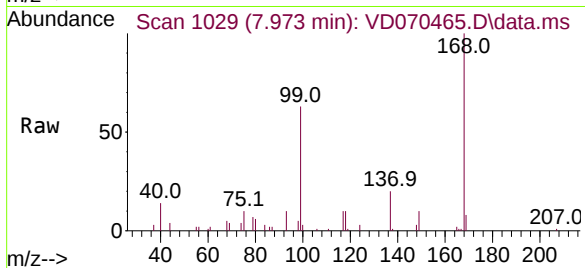
Lab File: VD070465.D

Acq: 24 Sep 2021 20:04

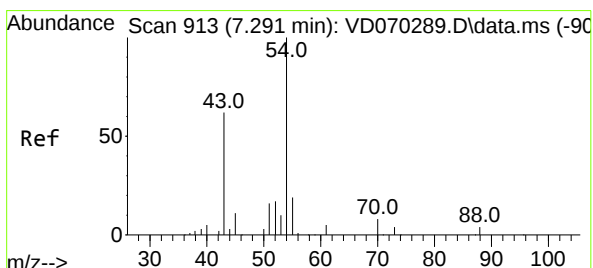
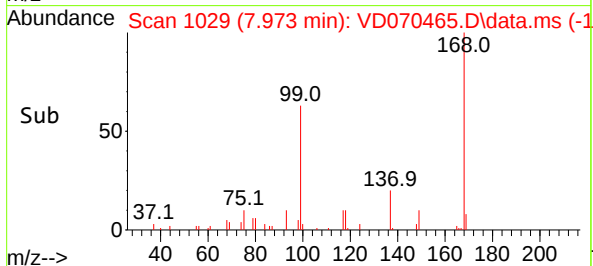
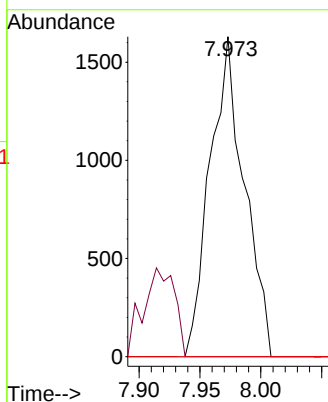
Instrument :

MSVOA_D

ClientSampled :



Tgt Ion:	75	Resp:	3190
Ion Ratio	Lower	Upper	
75	100		
110	0.0	17.9	53.7#
77	0.0	25.3	37.9#



#37

Ethyl Acetate

Concen: 1.532 ug/l

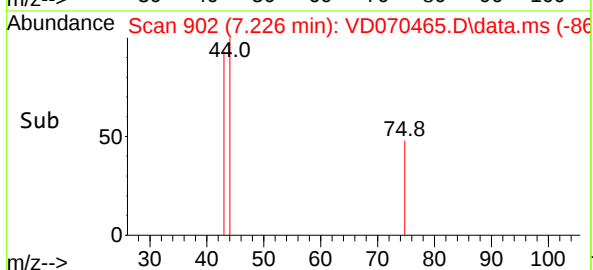
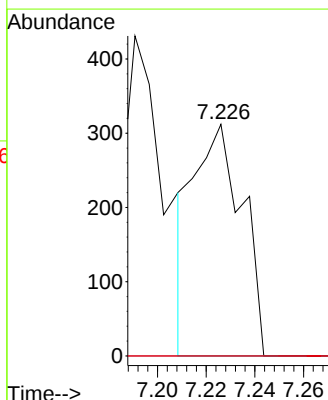
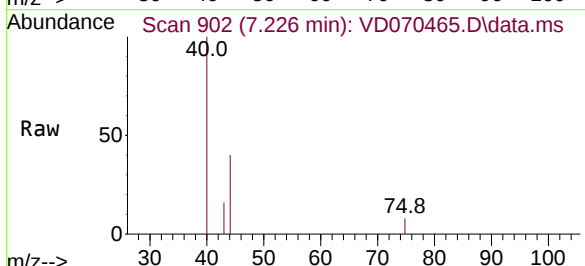
RT: 7.226 min Scan# 902

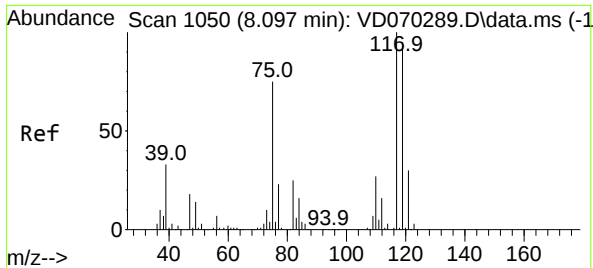
Delta R.T. -0.065 min

Lab File: VD070465.D

Acq: 24 Sep 2021 20:04

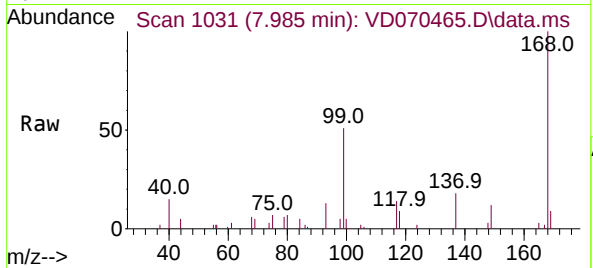
Tgt Ion:	43	Resp:	433
Ion Ratio	Lower	Upper	
43	100		
61	0.0	13.0	19.6#
70	0.0	9.8	14.6#



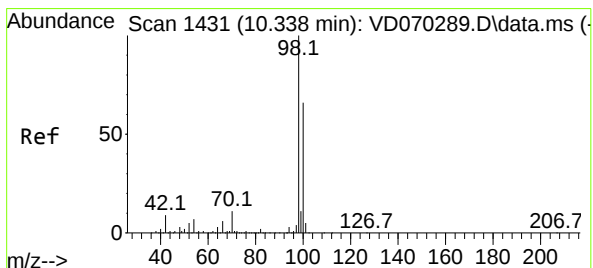
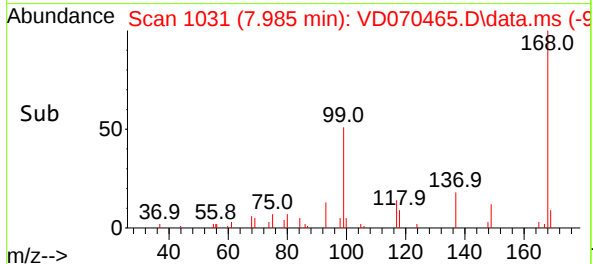
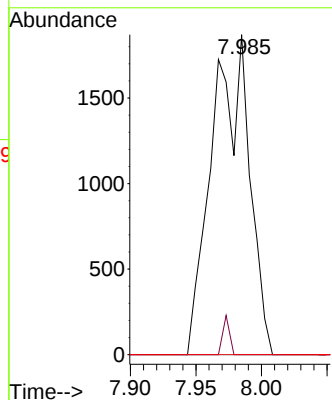


#38
Carbon Tetrachloride
Concen: 4.960 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD070465.D
Acq: 24 Sep 2021 20:04

Instrument :
MSVOA_D
ClientSampleId :

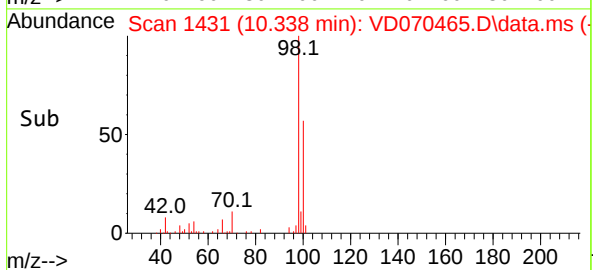
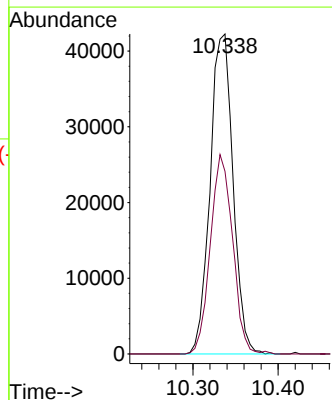
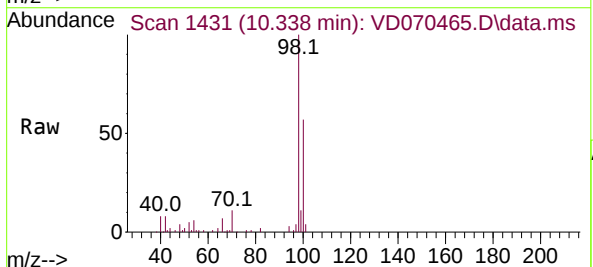


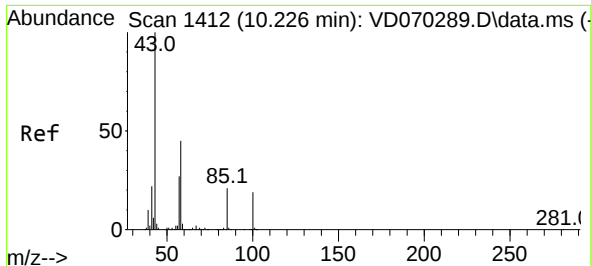
Tgt Ion:117 Resp: 3709
Ion Ratio Lower Upper
117 100
119 0.0 76.1 114.1#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 43.214 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070465.D
Acq: 24 Sep 2021 20:04

Tgt Ion: 98 Resp: 78999
Ion Ratio Lower Upper
98 100
100 60.7 52.0 78.0

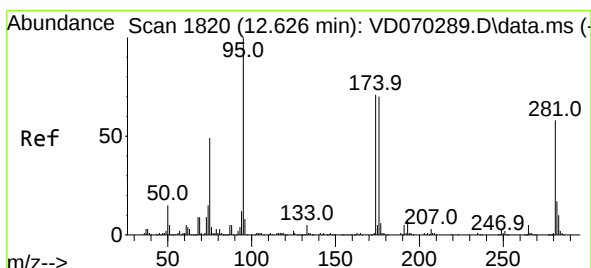
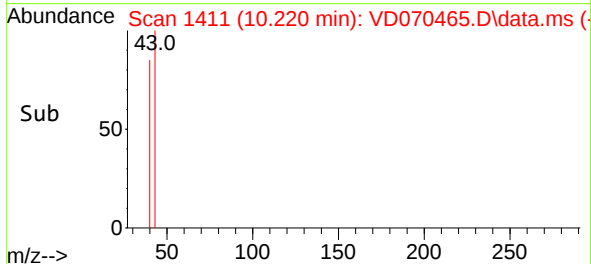
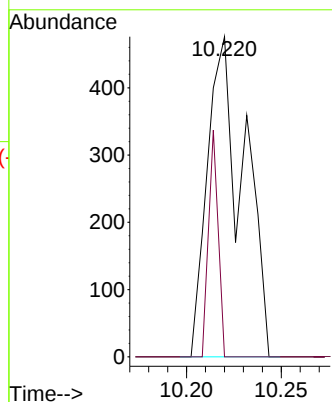
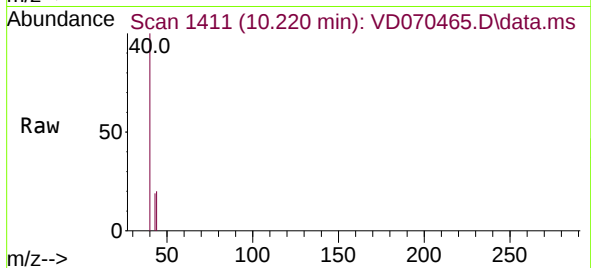




#51
4-Methyl-2-Pentanone
Concen: 2.347 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD070465.D
Acq: 24 Sep 2021 20:04

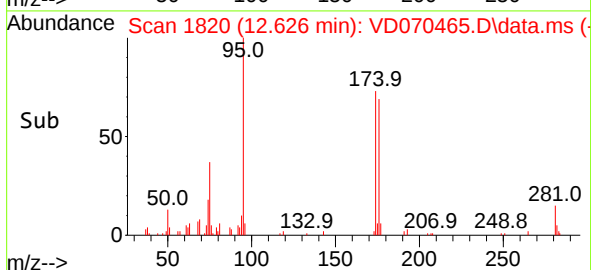
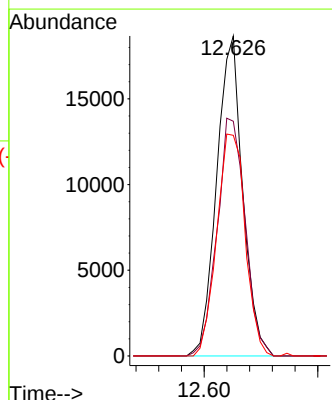
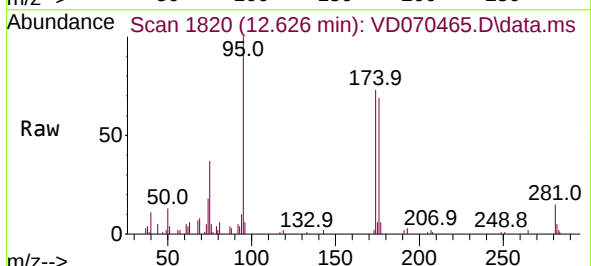
Instrument :
MSVOA_D
ClientSampled :

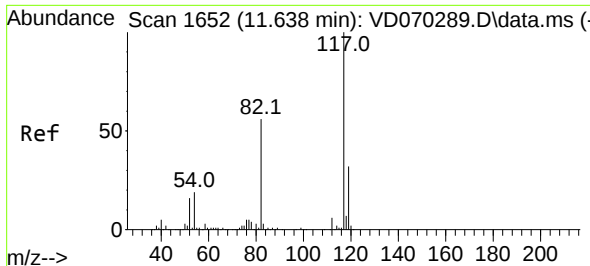
Tgt Ion: 43 Resp: 635
Ion Ratio Lower Upper
43 100
58 18.7 35.4 53.2#



#62
4-Bromofluorobenzene
Concen: 46.465 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070465.D
Acq: 24 Sep 2021 20:04

Tgt Ion: 95 Resp: 29686
Ion Ratio Lower Upper
95 100
174 80.0 0.0 140.6
176 75.8 0.0 137.4

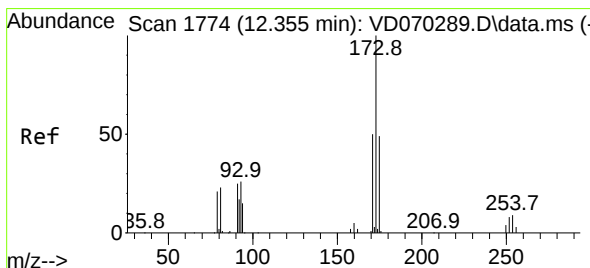
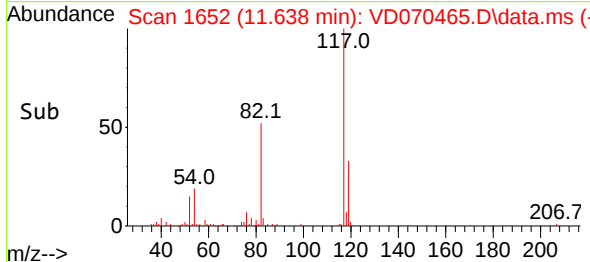
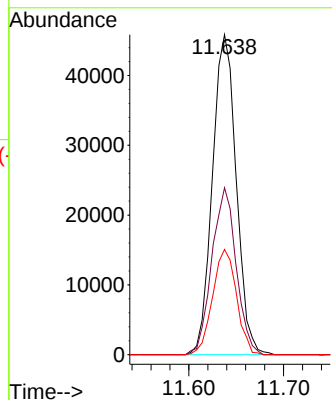
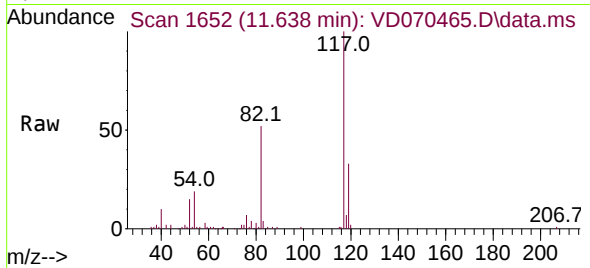




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070465.D
Acq: 24 Sep 2021 20:04

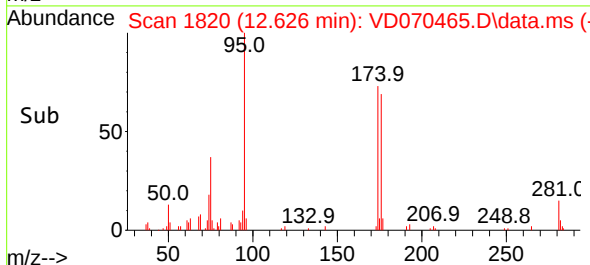
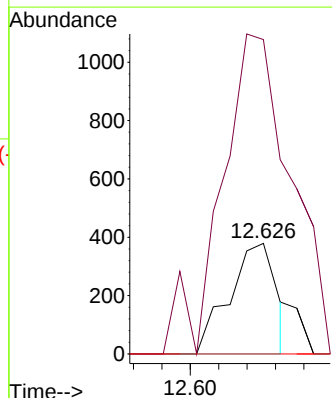
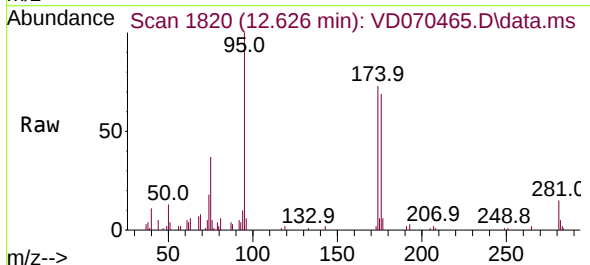
Instrument :
MSVOA_D
ClientSampleId :

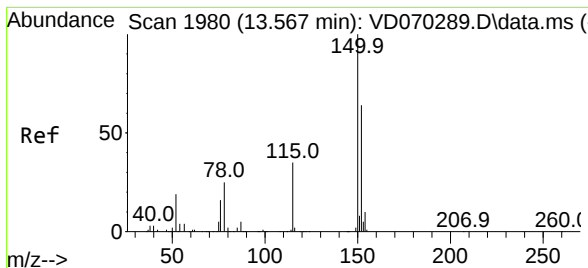
Tgt Ion:	117	Resp:	79928
Ion Ratio	Lower	Upper	
117	100		
82	52.1	45.0	67.4
119	32.9	25.2	37.8



#71
Bromoform
Concen: 1.461 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.270 min
Lab File: VD070465.D
Acq: 24 Sep 2021 20:04

Tgt Ion:	173	Resp:	438
Ion Ratio	Lower	Upper	
173	100		
175	345.9	25.1	75.2#
254	0.0	0.1	0.1#

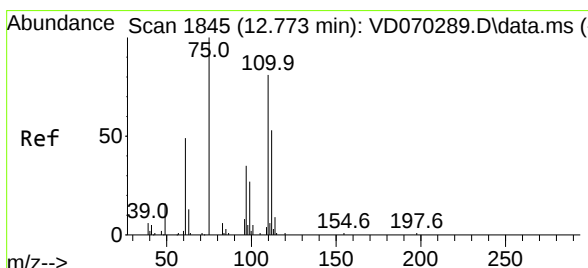
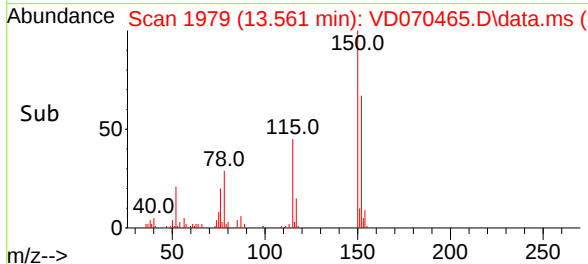
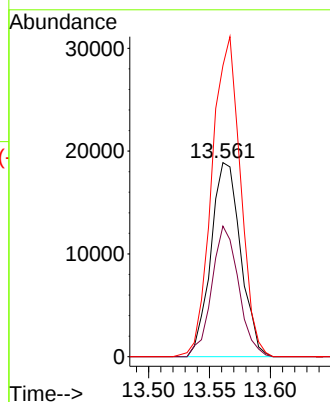
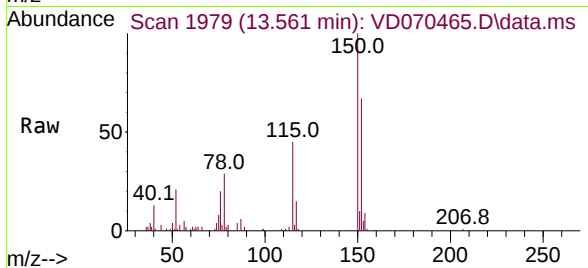




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. -0.006 min
 Lab File: VD070465.D
 Acq: 24 Sep 2021 20:04

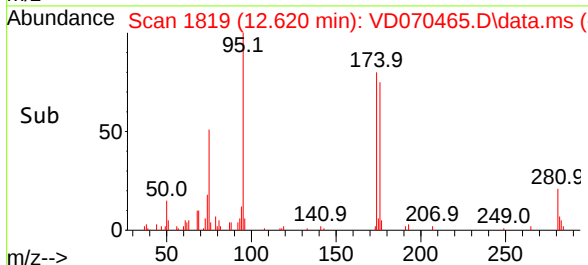
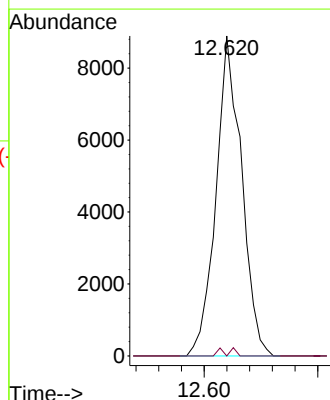
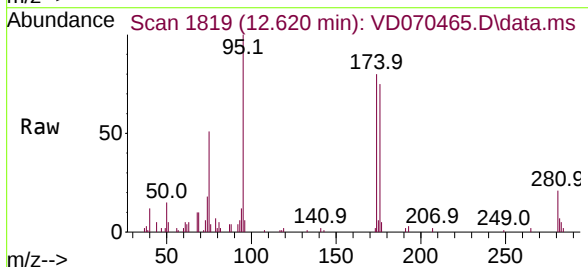
Instrument :
 MSVOA_D
 ClientSampled :

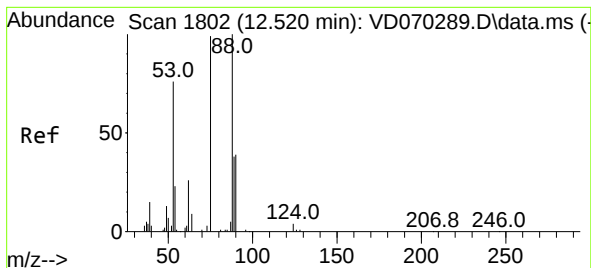
Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	32.1	96.3
150	158.4	0.0	350.6



#76
 1,2,3-Trichloropropane
 Concen: 42.827 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD070465.D
 Acq: 24 Sep 2021 20:04

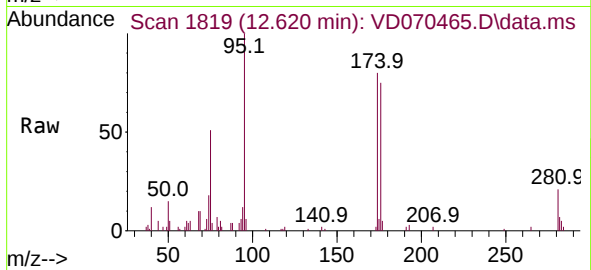
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	174.9	524.7#





#81
trans-1,4-Dichloro-2-butene
Concen: 107.307 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070465.D
Acq: 24 Sep 2021 20:04

Instrument :
MSVOA_D
ClientSampleId :



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

