

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091021\
 Data File : VD070305.D
 Acq On : 10 Sep 2021 17:45
 Operator : VA/SY
 Sample : M3684-06
 Misc : 7.45G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 11 02:27:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

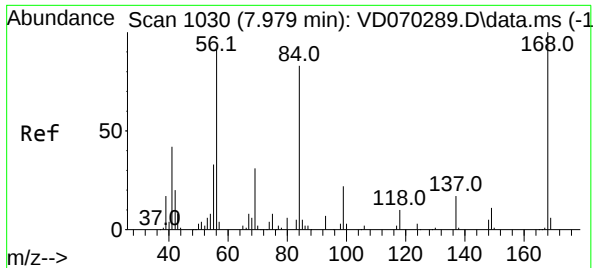
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	250990	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	602768	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	639364	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	228536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	230806	71.617	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 143.240%	
35) Dibromofluoromethane	7.914	113	239277	55.768	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.540%	
50) Toluene-d8	10.338	98	827379	53.112	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.220%	
62) 4-Bromofluorobenzene	12.626	95	254521	46.750	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 93.500%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	119	Below Cal	#	43
3) Chloromethane	2.209	50	822	Below Cal		89
5) Bromomethane	2.779	94	1819	Below Cal		97
6) Chloroethane	2.903	64	59	Below Cal	#	43
10) Methyl Iodide	4.291	142	590	1.215	ug/l #	69
16) Acetone	4.168	43	3165	5.501	ug/l	88
18) Methyl Acetate	4.956	43	113	Below Cal	#	48
20) Methylene Chloride	4.967	84	10223	Below Cal		98
31) Cyclohexane	7.973	56	6486	1.168	ug/l #	1
32) 1,1,1-Trichloroethane	7.903	97	40404	7.201	ug/l	97
36) 1,1-Dichloropropene	7.979	75	24894	3.864	ug/l #	46
38) Carbon Tetrachloride	7.979	117	27742	4.354	ug/l #	18
51) 4-Methyl-2-Pentanone	10.338	43	3378	1.465	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	130461	56.436	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	130461	141.405	ug/l #	17

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

Quant Time: Sep 11 02:27:36 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

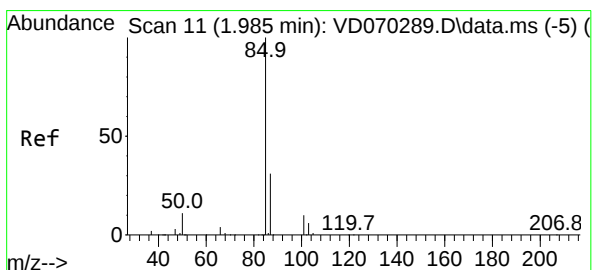
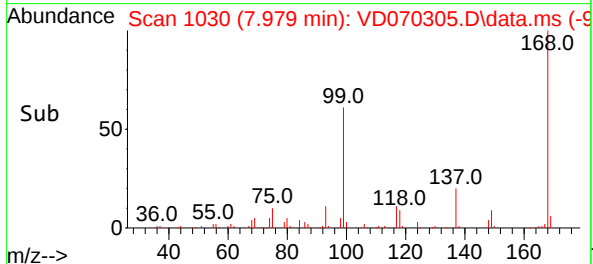
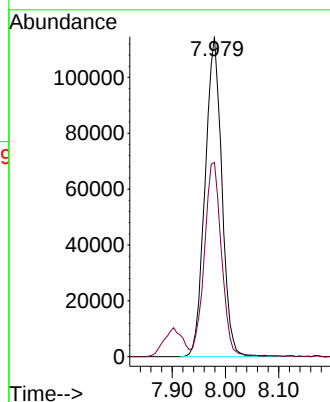
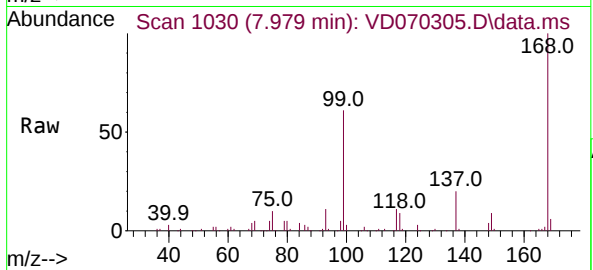




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070305.D
Acq: 10 Sep 2021 17:45

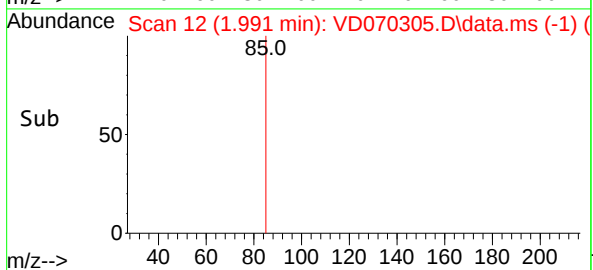
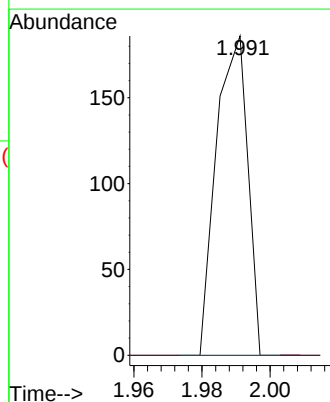
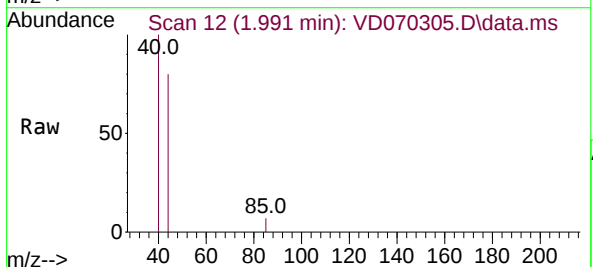
Instrument :
MSVOA_D
ClientSampleId :

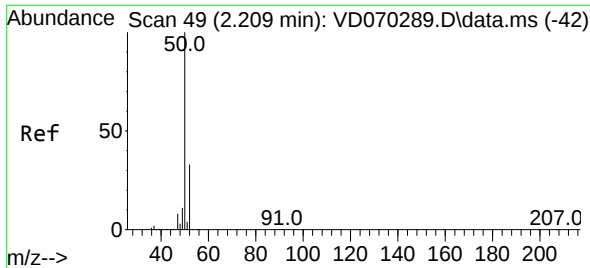
Tgt Ion:168 Resp: 250990
Ion Ratio Lower Upper
168 100
99 60.4 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070305.D
Acq: 10 Sep 2021 17:45

Tgt Ion: 85 Resp: 119
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

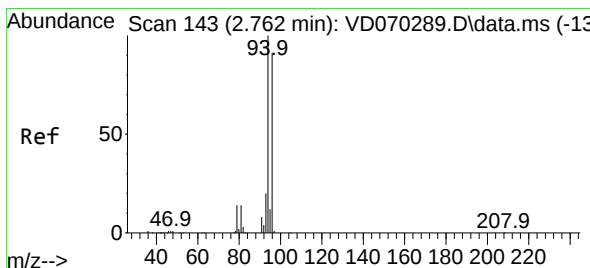
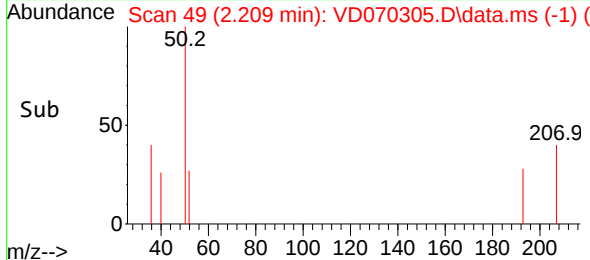
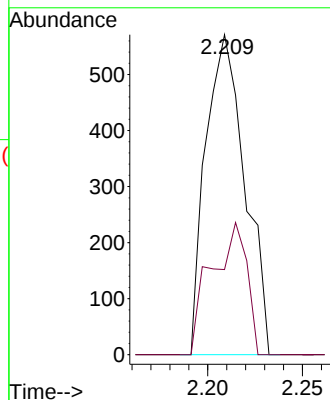
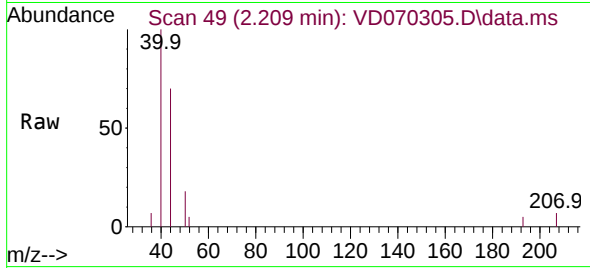




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070305.D
Acq: 10 Sep 2021 17:45

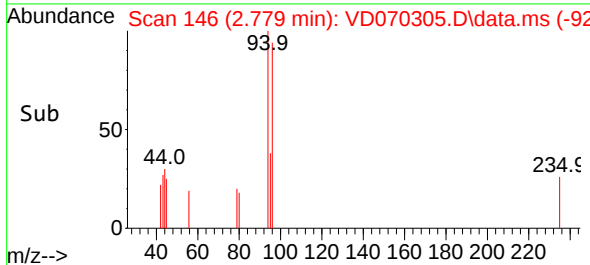
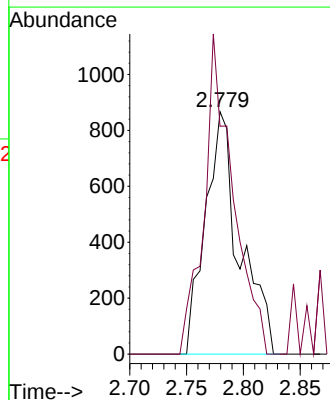
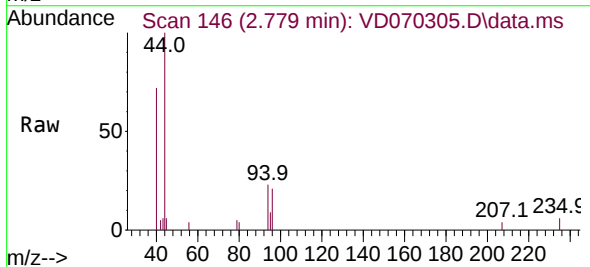
Instrument :
MSVOA_D
ClientSampleId :

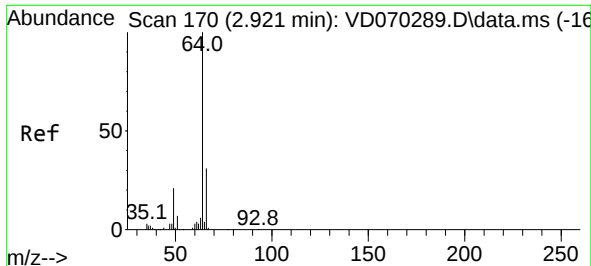
Tgt Ion: 50 Resp: 822
Ion Ratio Lower Upper
50 100
52 26.6 26.2 39.2



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070305.D
Acq: 10 Sep 2021 17:45

Tgt Ion: 94 Resp: 1819
Ion Ratio Lower Upper
94 100
96 94.0 73.0 109.6

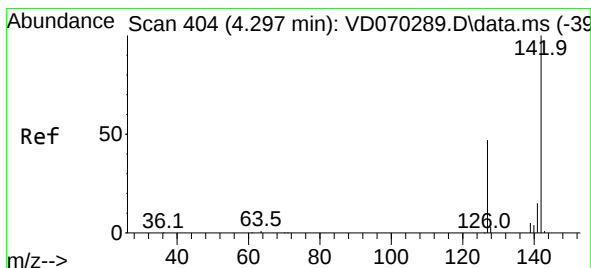
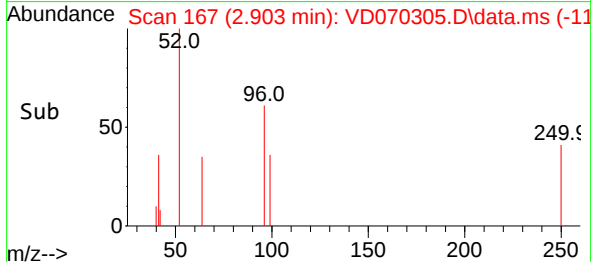
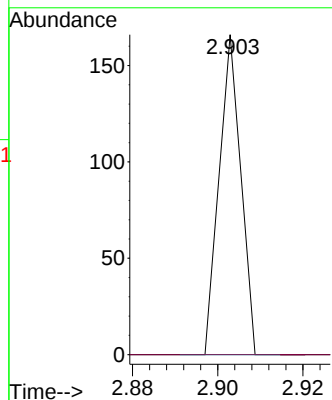
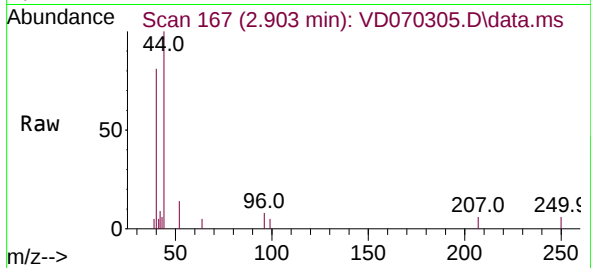




#6
Chloroethane
Concen: Below Cal
RT: 2.903 min Scan# 167
Delta R.T. -0.018 min
Lab File: VD070305.D
Acq: 10 Sep 2021 17:45

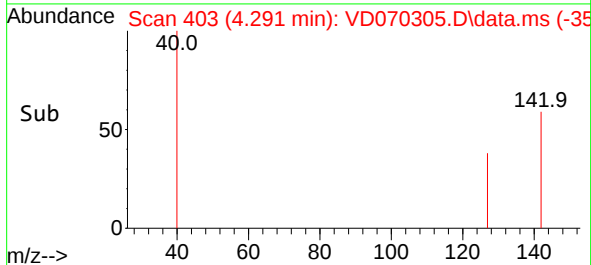
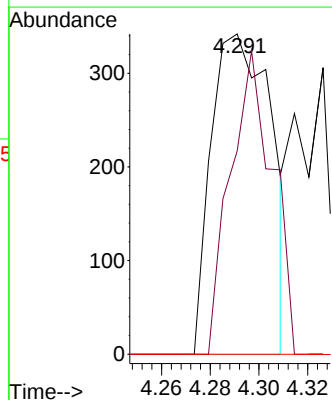
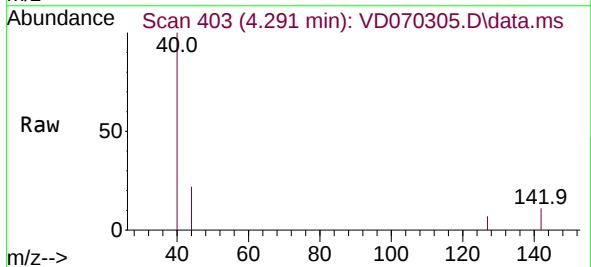
Instrument :
MSVOA_D
ClientSampled :

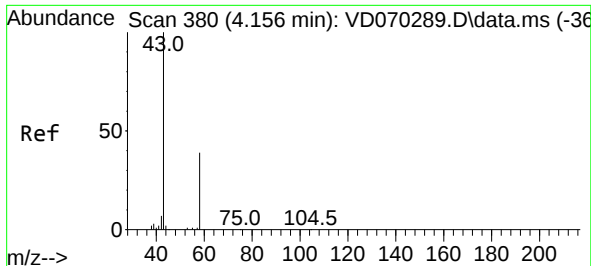
Tgt Ion: 64 Resp: 59
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 1.215 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD070305.D
Acq: 10 Sep 2021 17:45

Tgt Ion: 142 Resp: 590
Ion Ratio Lower Upper
142 100
127 65.9 36.9 55.3#
141 0.0 11.8 17.6#

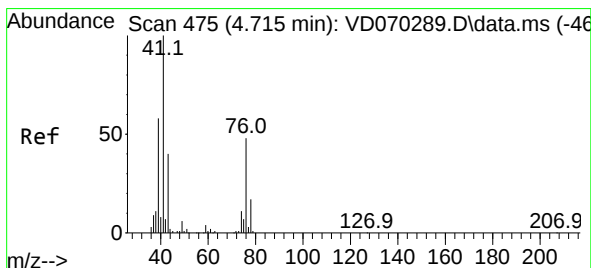
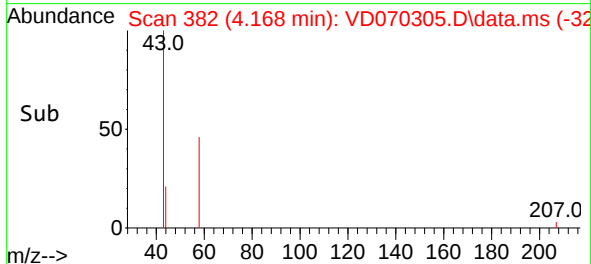
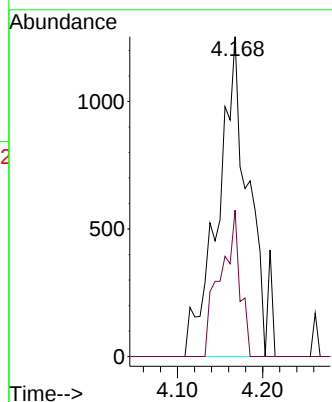
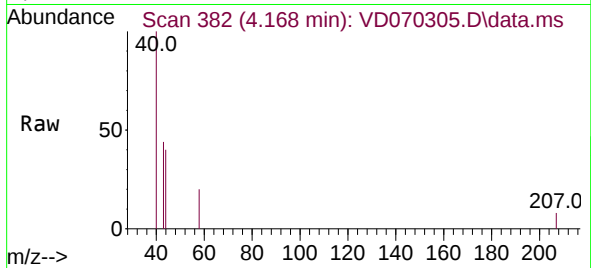




#16
Acetone
Concen: 5.501 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070305.D
Acq: 10 Sep 2021 17:45

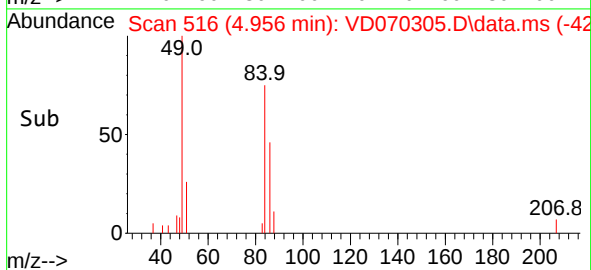
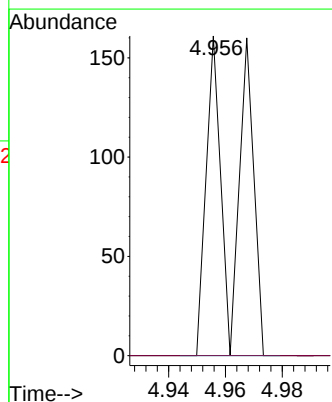
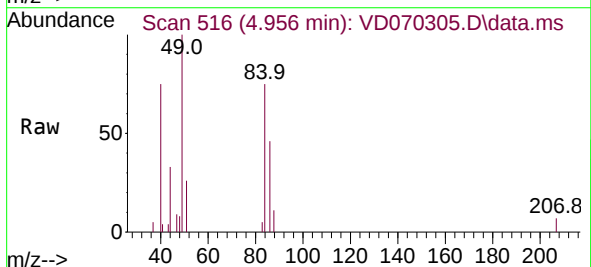
Instrument :
MSVOA_D
ClientSampled :

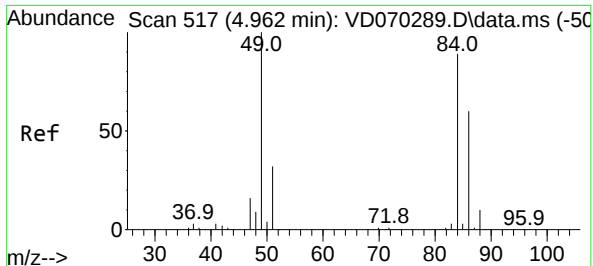
Tgt Ion: 43 Resp: 3165
Ion Ratio Lower Upper
43 100
58 45.8 30.9 46.3



#18
Methyl Acetate
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. 0.241 min
Lab File: VD070305.D
Acq: 10 Sep 2021 17:45

Tgt Ion: 43 Resp: 113
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#

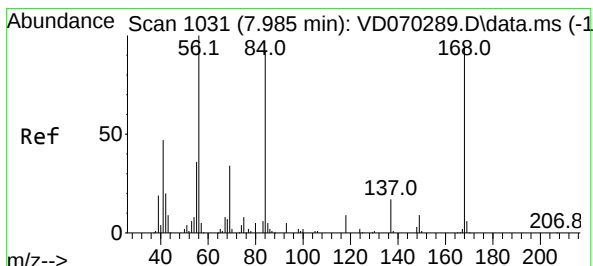
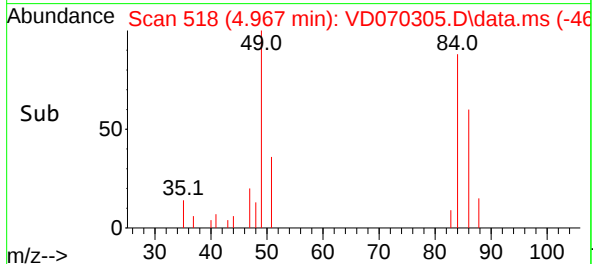
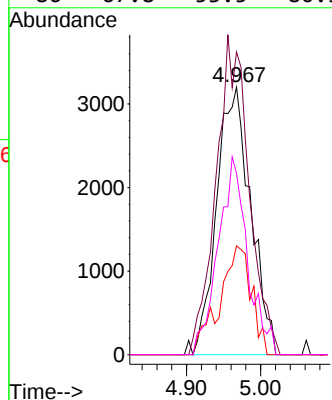
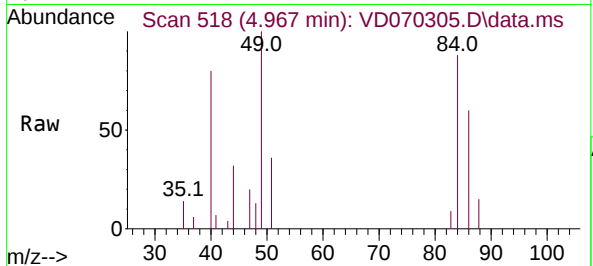




#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD070305.D
Acq: 10 Sep 2021 17:45

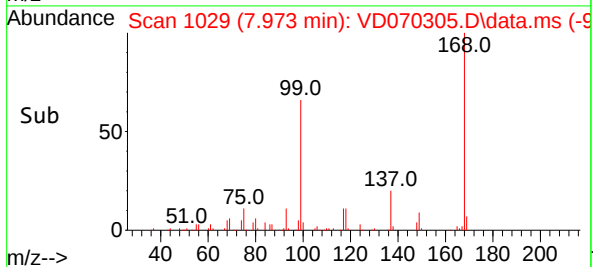
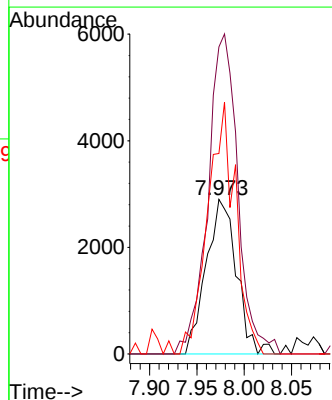
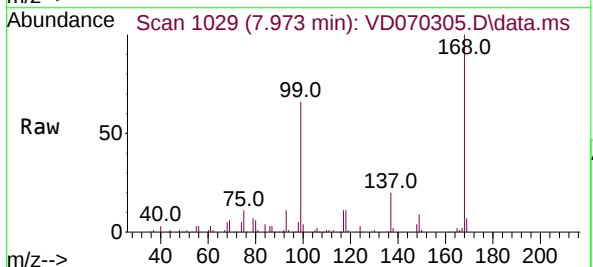
Instrument :
MSVOA_D
ClientSampled :

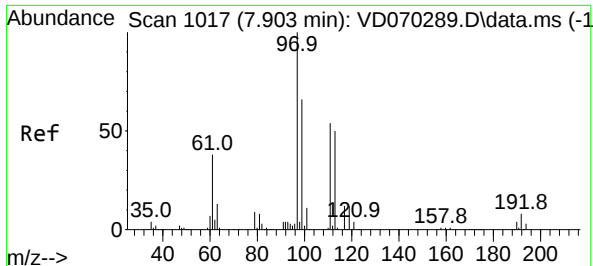
Tgt Ion:	84	Resp:	10223
Ion	Ratio	Lower	Upper
84	100		
49	113.1	89.6	134.4
51	40.7	28.6	43.0
86	67.8	53.5	80.3



#31
Cyclohexane
Concen: 1.168 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070305.D
Acq: 10 Sep 2021 17:45

Tgt Ion:	56	Resp:	6486
Ion	Ratio	Lower	Upper
56	100		
69	198.7	26.9	40.3#
84	129.8	73.6	110.4#

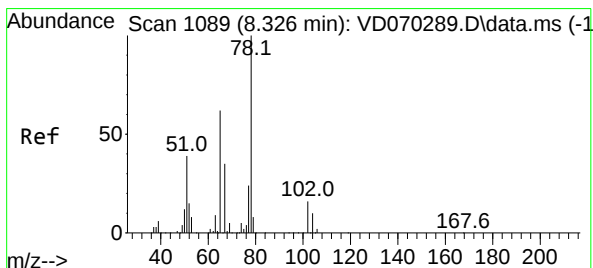
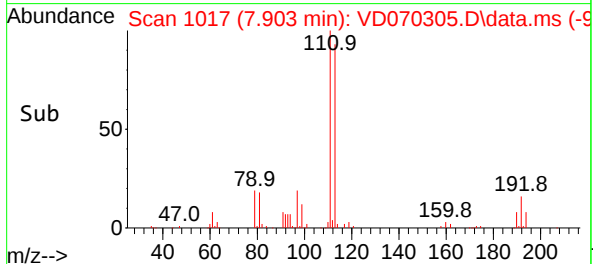
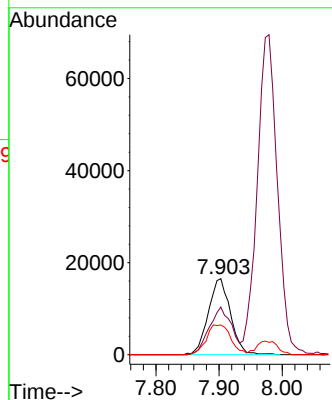
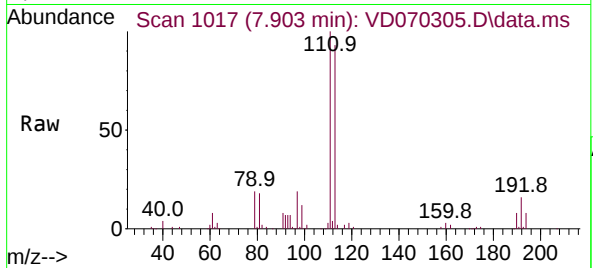




#32
1,1,1-Trichloroethane
Concen: 7.201 ug/l
RT: 7.903 min Scan# 1017
Delta R.T. -0.000 min
Lab File: VD070305.D
Acq: 10 Sep 2021 17:45

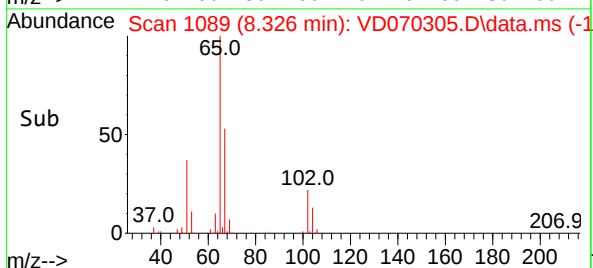
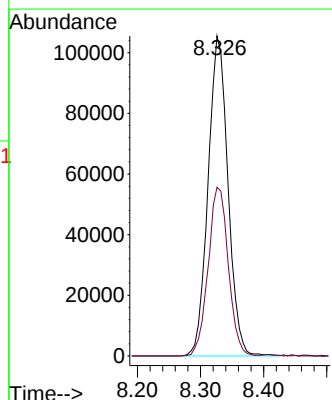
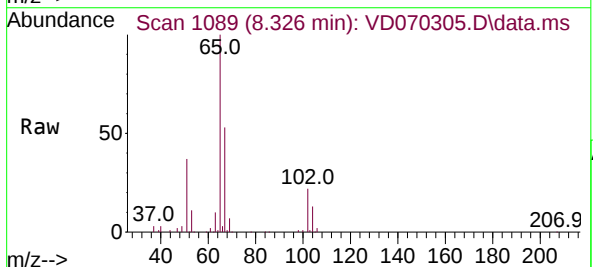
Instrument :
MSVOA_D
ClientSampled :

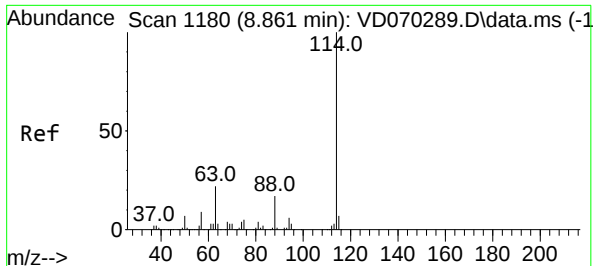
Tgt Ion: 97 Resp: 40404
Ion Ratio Lower Upper
97 100
99 62.5 51.1 76.7
61 43.0 31.4 47.0



#33
1,2-Dichloroethane-d4
Concen: 71.617 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070305.D
Acq: 10 Sep 2021 17:45

Tgt Ion: 65 Resp: 230806
Ion Ratio Lower Upper
65 100
67 53.4 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: VD070305.D

Acq: 10 Sep 2021 17:45

Tgt Ion:114 Resp: 602768

Ion Ratio Lower Upper

114 100

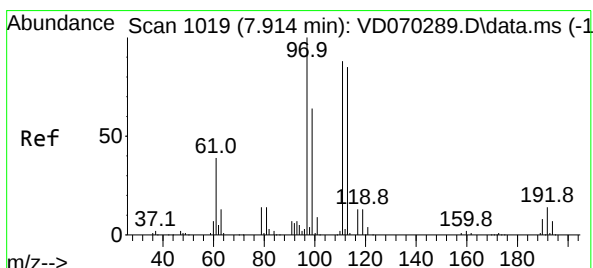
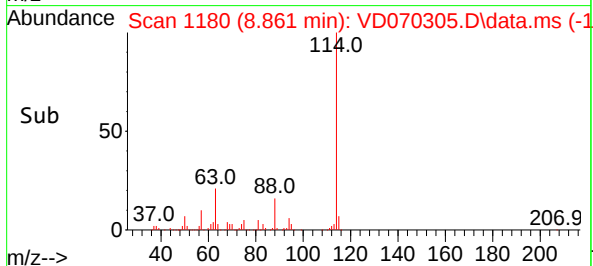
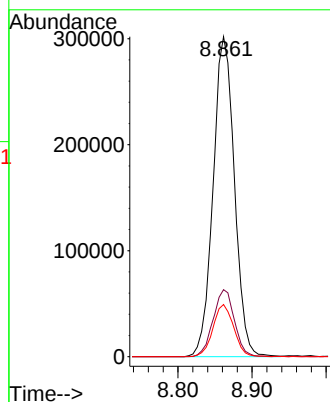
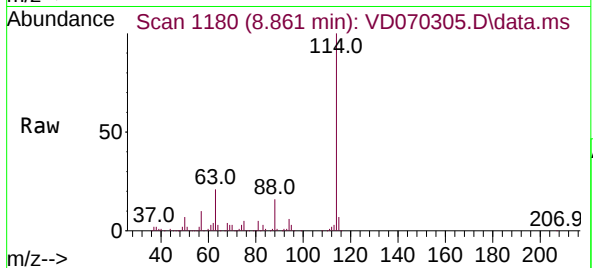
63 21.0 0.0 43.4

88 16.3 0.0 33.4

Instrument :

MSVOA_D

ClientSampled :



#35

Dibromofluoromethane

Concen: 55.768 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070305.D

Acq: 10 Sep 2021 17:45

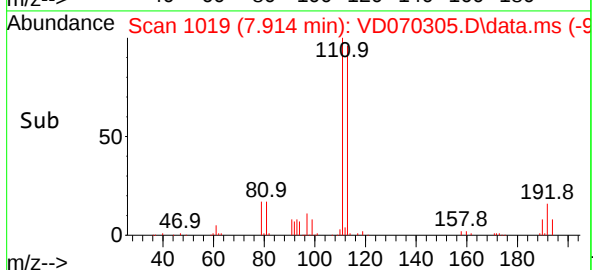
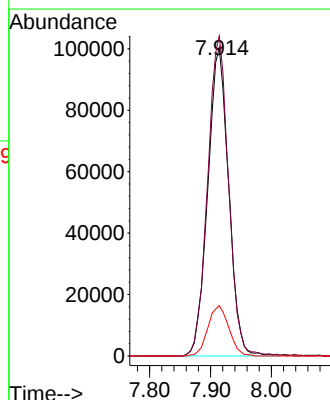
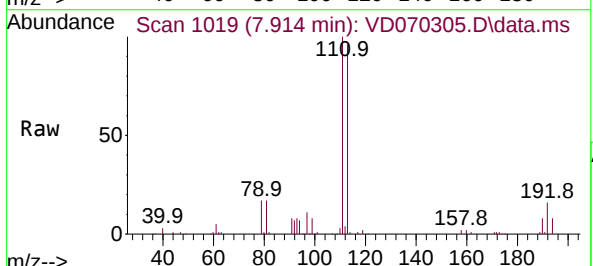
Tgt Ion:113 Resp: 239277

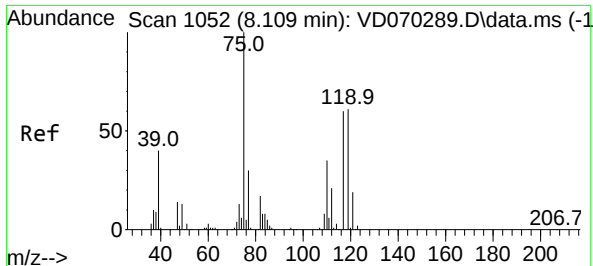
Ion Ratio Lower Upper

113 100

111 103.9 81.4 122.2

192 16.4 13.0 19.6

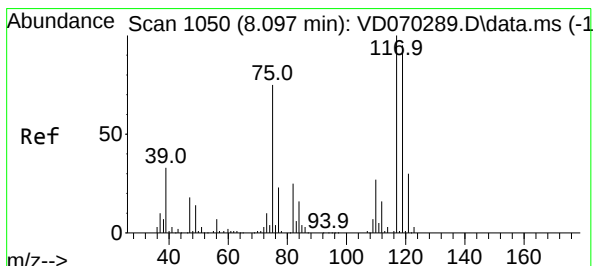
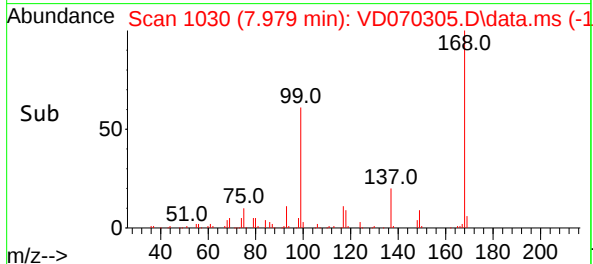
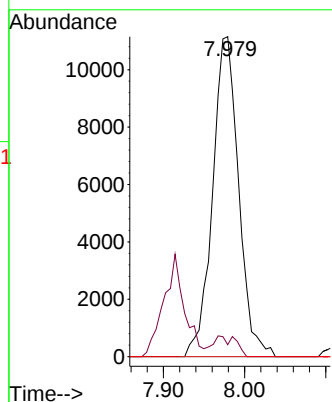
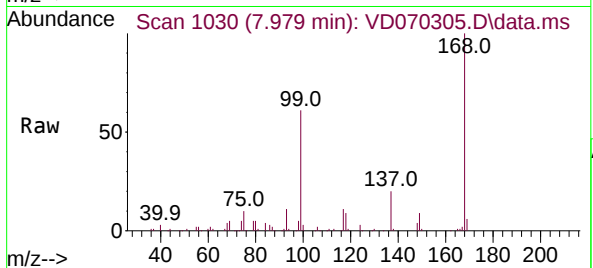




#36
1,1-Dichloropropene
Concen: 3.864 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD070305.D
Acq: 10 Sep 2021 17:45

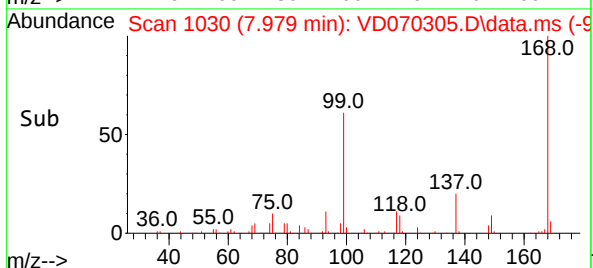
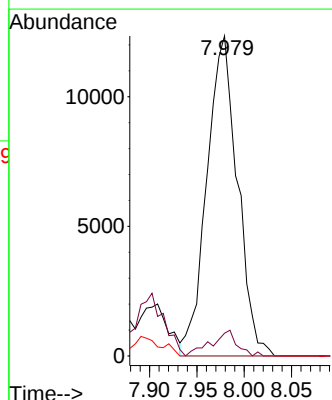
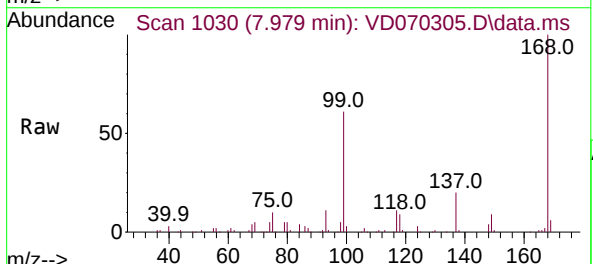
Instrument :
MSVOA_D
ClientSampleId :

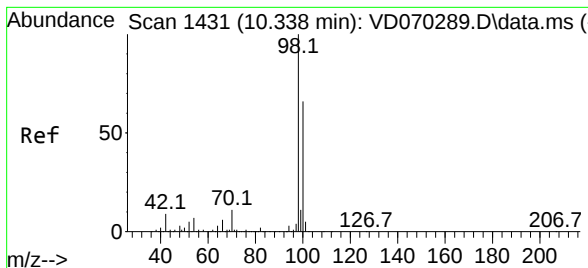
Tgt Ion: 75 Resp: 24894
Ion Ratio Lower Upper
75 100
110 5.8 17.9 53.7#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 4.354 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070305.D
Acq: 10 Sep 2021 17:45

Tgt Ion: 117 Resp: 27742
Ion Ratio Lower Upper
117 100
119 7.1 76.1 114.1#
121 0.0 23.8 35.6#

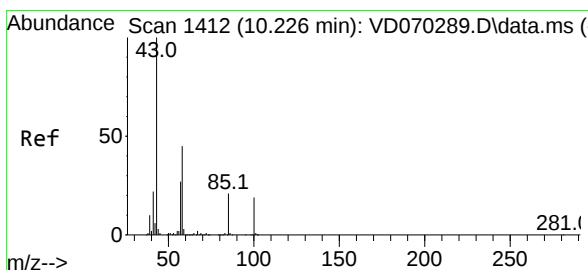
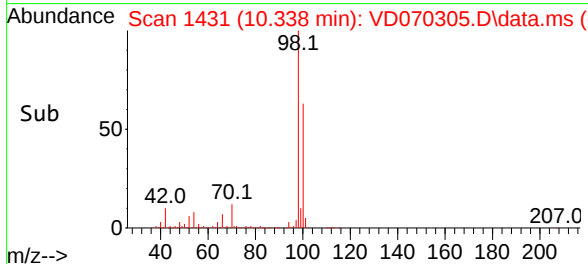
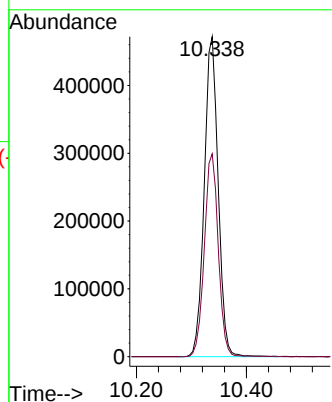
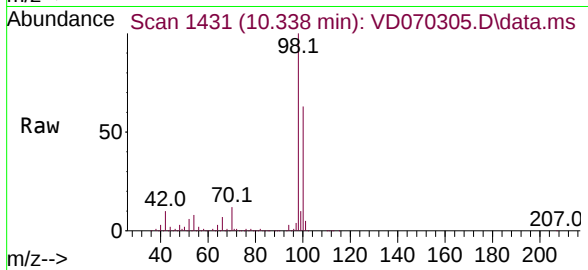




#50
Toluene-d8
Concen: 53.112 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070305.D
Acq: 10 Sep 2021 17:45

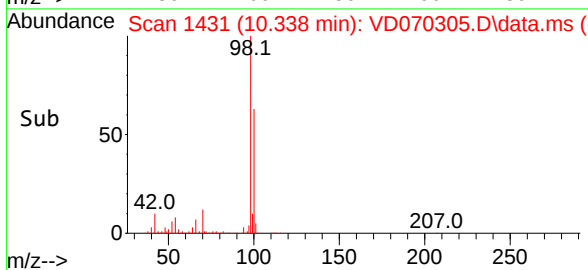
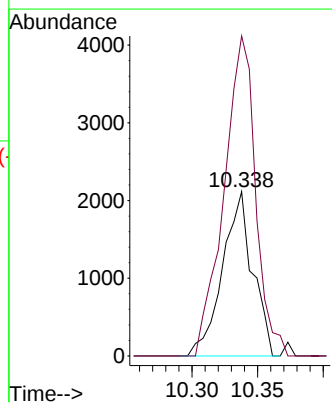
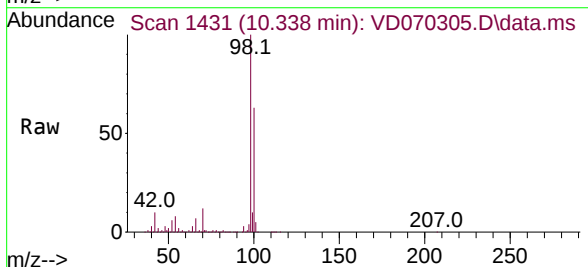
Instrument :
MSVOA_D
ClientSampled :

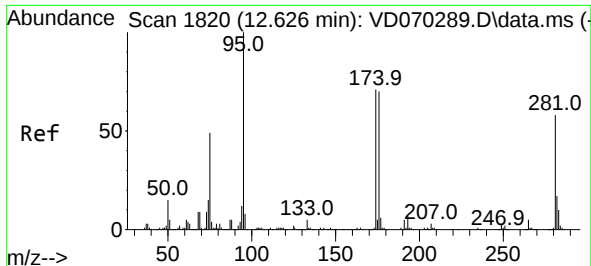
Tgt Ion: 98 Resp: 827379
Ion Ratio Lower Upper
98 100
100 63.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.465 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD070305.D
Acq: 10 Sep 2021 17:45

Tgt Ion: 43 Resp: 3378
Ion Ratio Lower Upper
43 100
58 204.4 35.4 53.2#

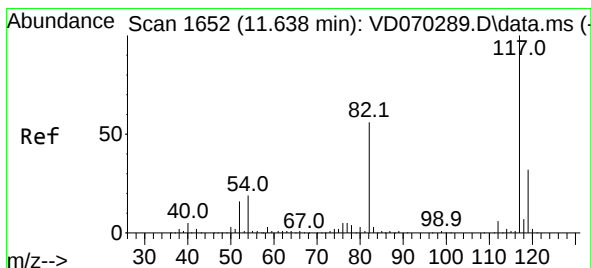
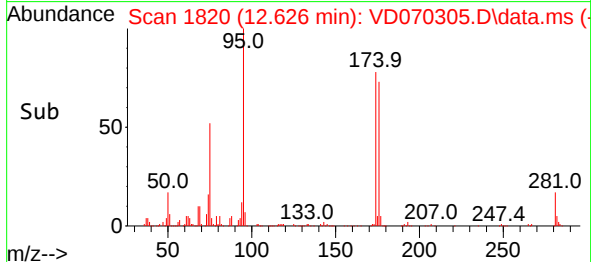
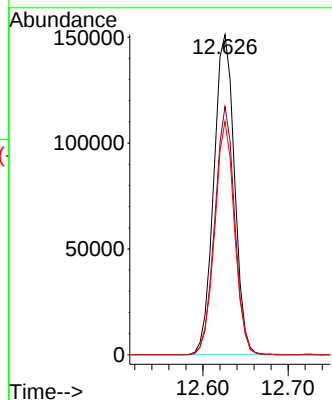
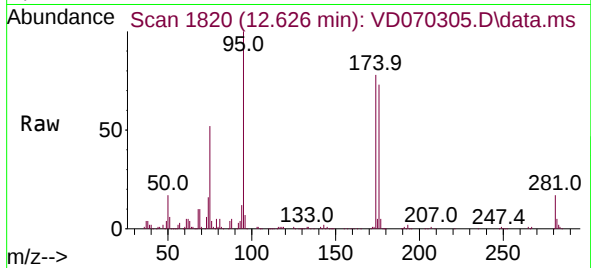




#62
4-Bromofluorobenzene
Concen: 46.750 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070305.D
Acq: 10 Sep 2021 17:45

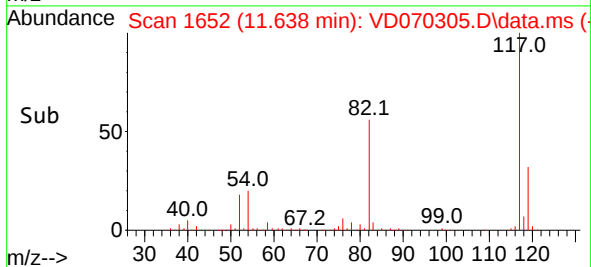
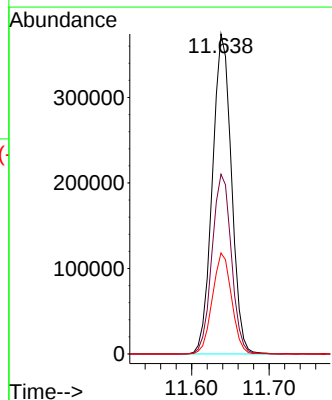
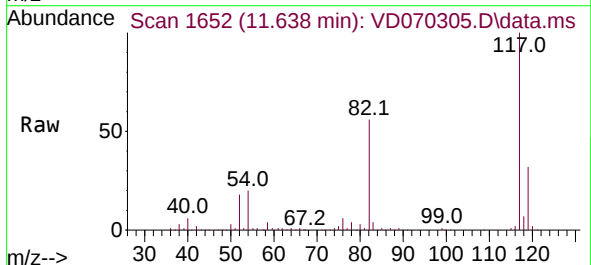
Instrument :
MSVOA_D
ClientSampled :

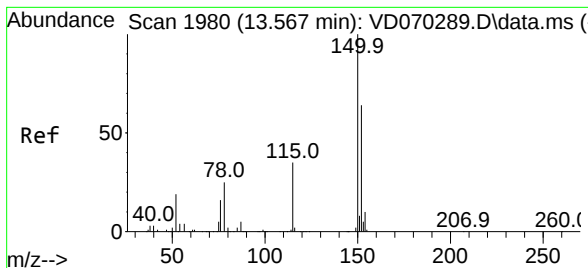
Tgt Ion: 95 Resp: 254521
Ion Ratio Lower Upper
95 100
174 74.4 0.0 140.6
176 70.1 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070305.D
Acq: 10 Sep 2021 17:45

Tgt Ion: 117 Resp: 639364
Ion Ratio Lower Upper
117 100
82 56.2 45.0 67.4
119 31.6 25.2 37.8

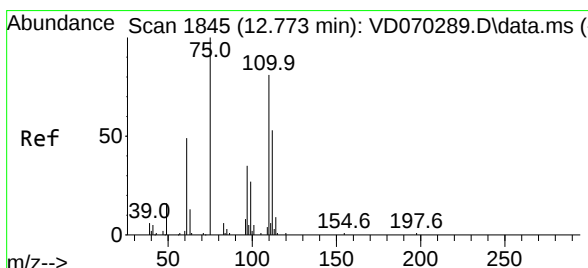
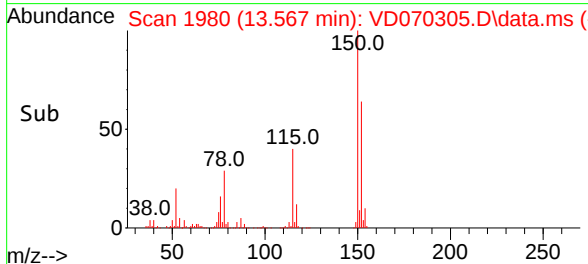
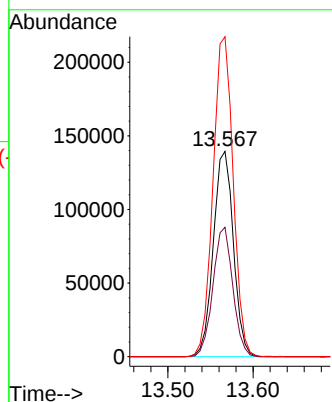
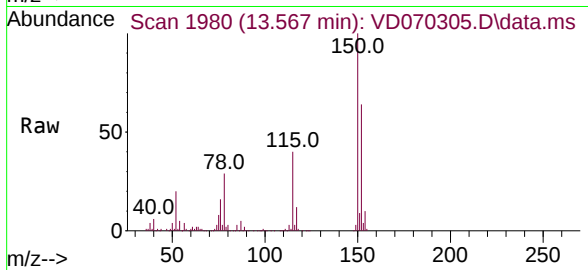




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070305.D
Acq: 10 Sep 2021 17:45

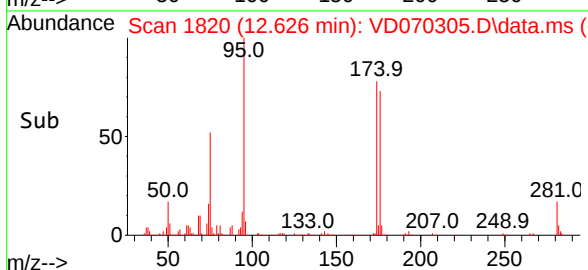
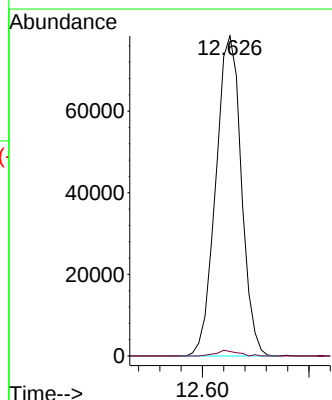
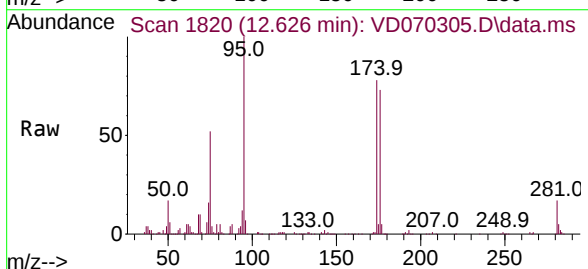
Instrument :
MSVOA_D
ClientSampled :

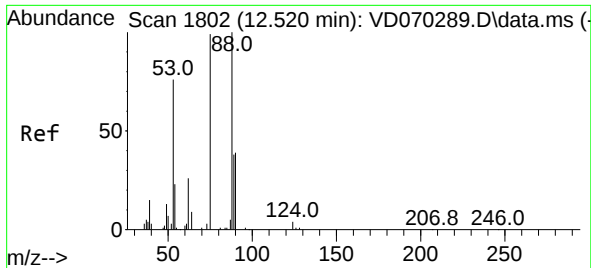
Tgt Ion:152 Resp: 228536
Ion Ratio Lower Upper
152 100
115 62.2 32.1 96.3
150 156.4 0.0 350.6



#76
1,2,3-Trichloropropane
Concen: 56.436 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070305.D
Acq: 10 Sep 2021 17:45

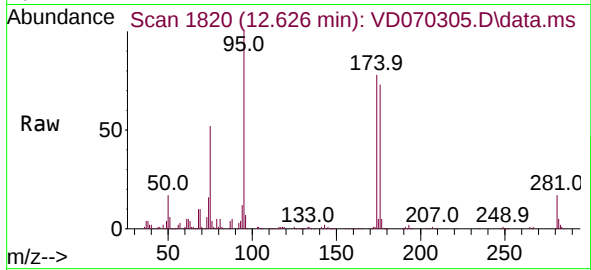
Tgt Ion: 75 Resp: 130461
Ion Ratio Lower Upper
75 100
77 1.5 174.9 524.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 141.405 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070305.D
 Acq: 10 Sep 2021 17:45

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 130461
 Ion Ratio Lower Upper
 75 100
 53 0.1 64.2 96.2#
 89 0.1 35.6 53.4#

