

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092221\
 Data File : VD070422.D
 Acq On : 22 Sep 2021 13:04
 Operator : VA/SY
 Sample : M3838-01
 Misc : 5.06G/5.00ml/MSVOA_D/soil
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-092121

Quant Time: Sep 23 05:31:23 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)

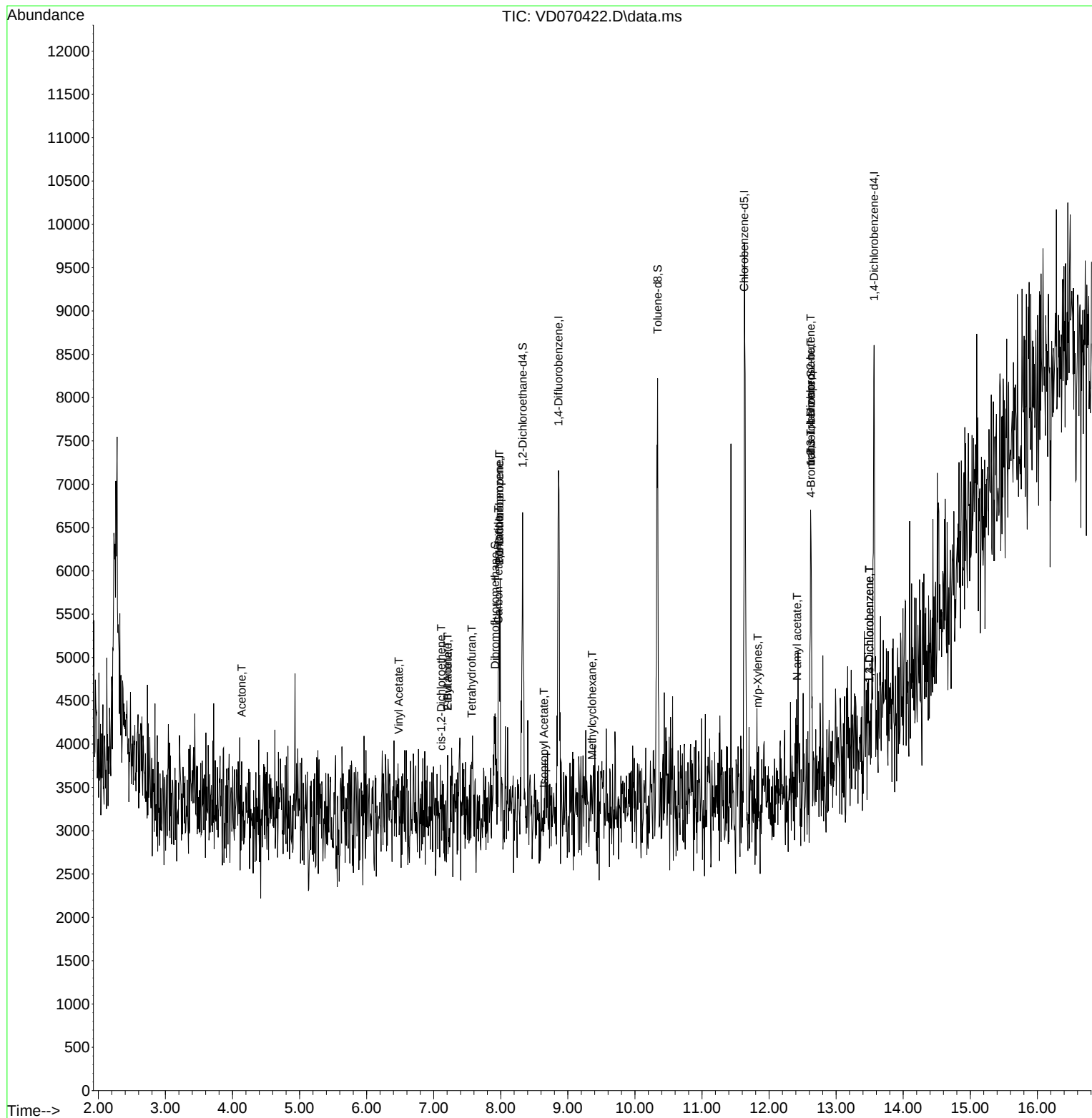
Internal Standards						
1) Pentafluorobenzene	7.979	168	2216	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	3600	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	3756	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	1418	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	2504	88.002	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	176.000%#
35) Dibromofluoromethane	7.914	113	706	27.551	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	55.100%
50) Toluene-d8	10.338	98	3687	39.628	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	79.260%
62) 4-Bromofluorobenzene	12.626	95	1367	42.041	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	84.080%
Target Compounds						
						Qvalue
3) Chloromethane	2.197	50	64	Below Cal	#	42
16) Acetone	4.138	43	137	26.968	ug/l	# 36
20) Methylene Chloride	4.973	84	77	Below Cal	#	9
23) Vinyl Acetate	6.479	43	58	1.543	ug/l	# 68
25) 2-Butanone	7.208	43	54	7.985	ug/l	# 47
27) cis-1,2-Dichloroethene	7.114	96	96	2.910	ug/l	# 1
29) Tetrahydrofuran	7.567	42	54	12.440	ug/l	# 29
36) 1,1-Dichloropropene	7.979	75	84	2.183	ug/l	# 41
37) Ethyl Acetate	7.208	43	54	3.753	ug/l	# 65
38) Carbon Tetrachloride	7.967	117	68	1.787	ug/l	# 12
39) Methylcyclohexane	9.361	83	61	1.419	ug/l	# 19
43) Isopropyl Acetate	8.644	43	86	3.233	ug/l	# 46
68) m/p-Xylenes	11.832	106	142	2.740	ug/l	# 1
74) N-amyl acetate	12.420	43	55	2.538	ug/l	# 37
76) 1,2,3-Trichloropropane	12.620	75	826	57.588	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.620	75	826	144.292	ug/l	# 17
87) 1,3-Dichlorobenzene	13.496	146	79	1.654	ug/l	# 25
88) 1,4-Dichlorobenzene	13.496	146	79	1.648	ug/l	# 24

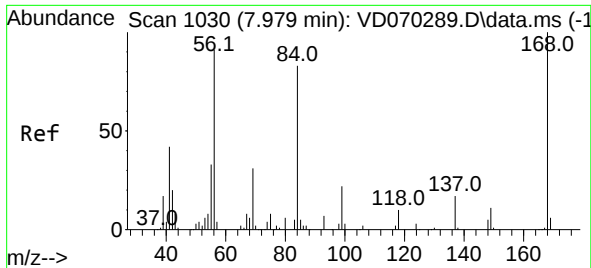
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

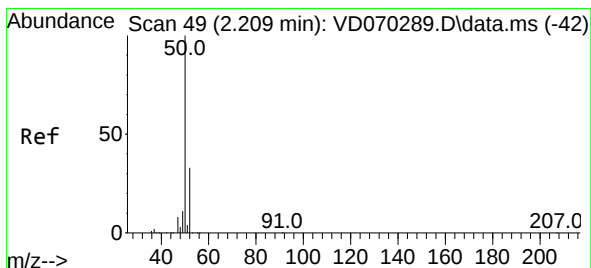
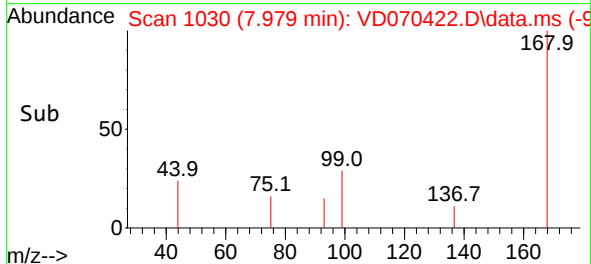
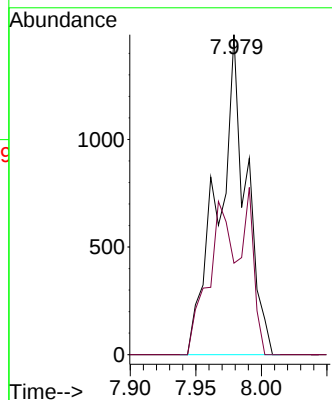
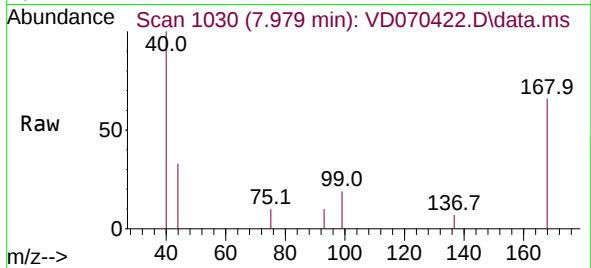




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070422.D
Acq: 22 Sep 2021 13:04

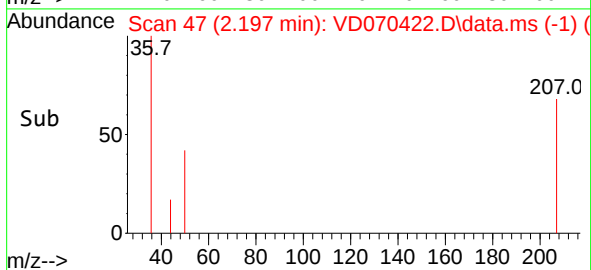
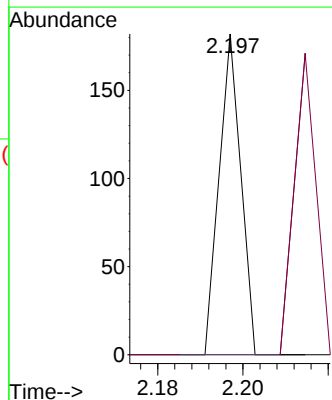
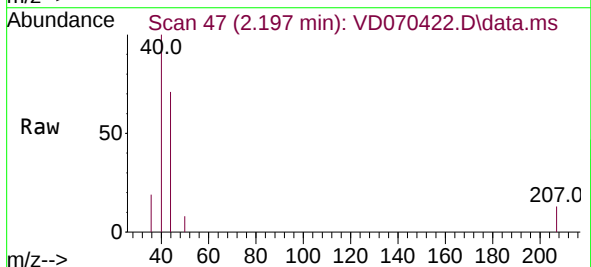
Instrument :
MSVOA_D
ClientSampleId :
OR-02-092121

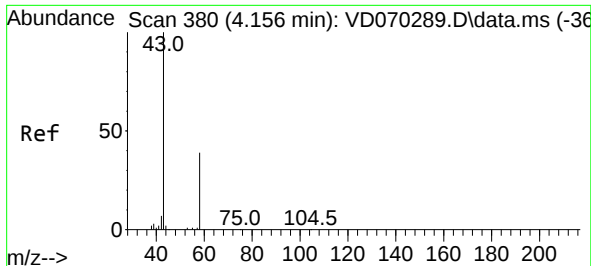
Tgt Ion:168 Resp: 2216
Ion Ratio Lower Upper
168 100
99 28.6 50.8 76.2#



#3
Chloromethane
Concen: Below Cal
RT: 2.197 min Scan# 47
Delta R.T. -0.012 min
Lab File: VD070422.D
Acq: 22 Sep 2021 13:04

Tgt Ion: 50 Resp: 64
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.2#

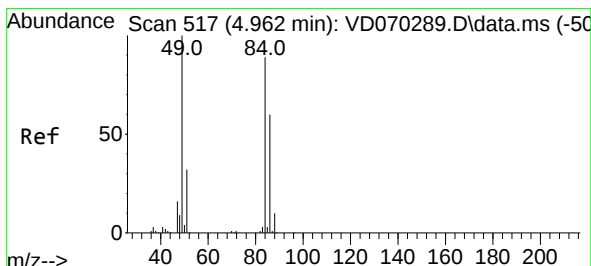
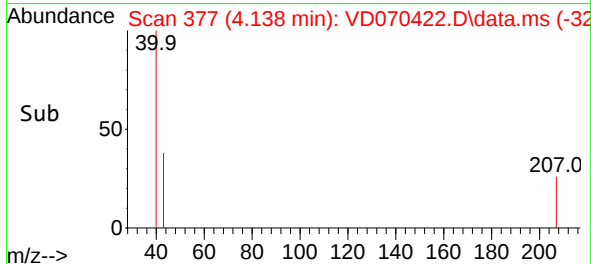
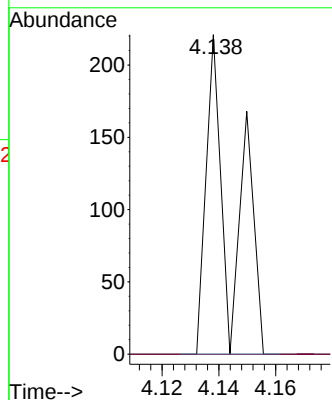
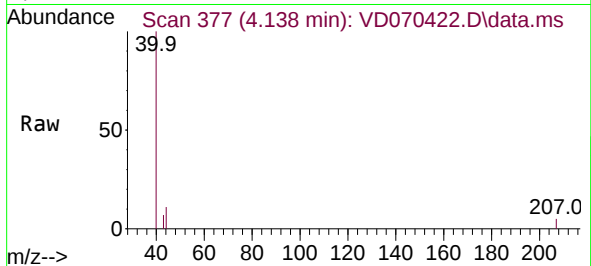




#16
Acetone
Concen: 26.968 ug/l
RT: 4.138 min Scan# 377
Delta R.T. -0.018 min
Lab File: VD070422.D
Acq: 22 Sep 2021 13:04

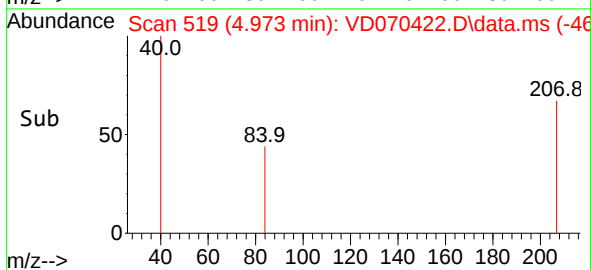
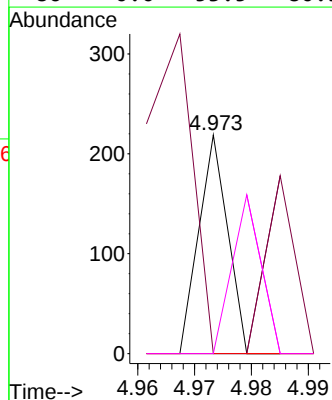
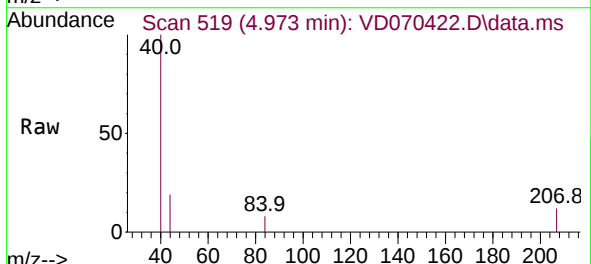
Instrument :
MSVOA_D
ClientSampleId :
OR-02-092121

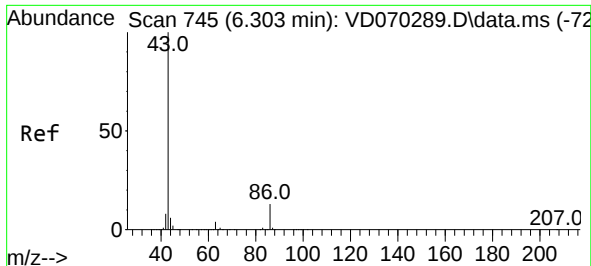
Tgt Ion: 43 Resp: 137
Ion Ratio Lower Upper
43 100
58 0.0 30.9 46.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.011 min
Lab File: VD070422.D
Acq: 22 Sep 2021 13:04

Tgt Ion: 84 Resp: 77
Ion Ratio Lower Upper
84 100
49 0.0 89.6 134.4#
51 0.0 28.6 43.0#
86 0.0 53.5 80.3#

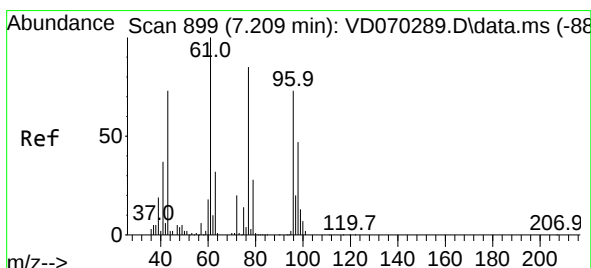
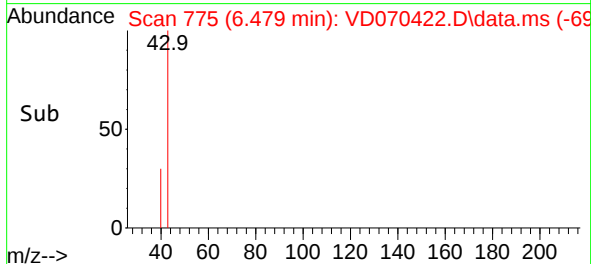
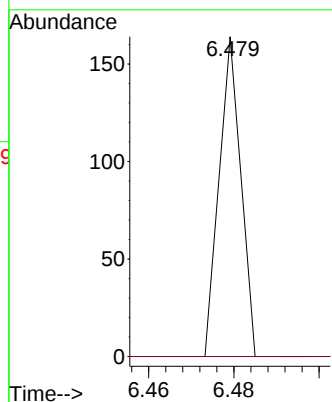
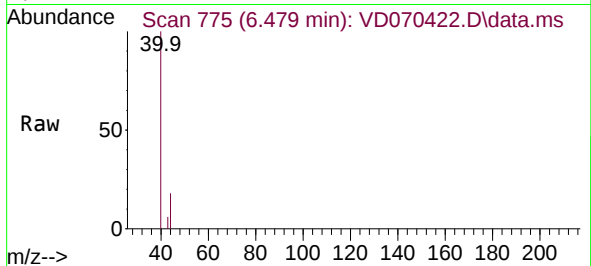




#23
 Vinyl Acetate
 Concen: 1.543 ug/l
 RT: 6.479 min Scan# 775
 Delta R.T. 0.176 min
 Lab File: VD070422.D
 Acq: 22 Sep 2021 13:04

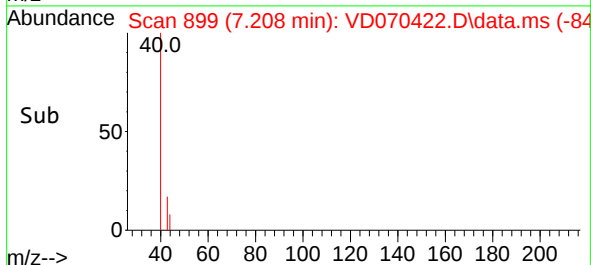
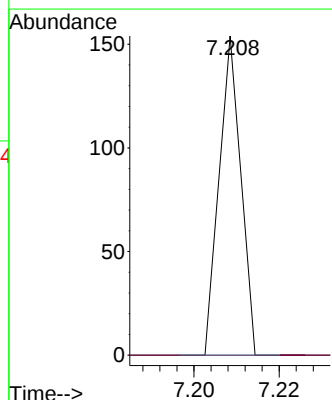
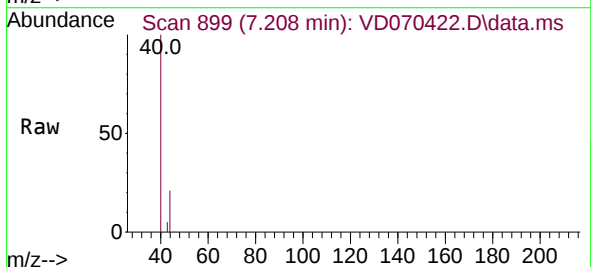
Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-092121

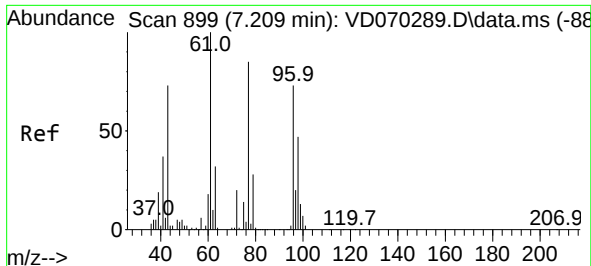
Tgt Ion: 43 Resp: 58
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.2 15.4#



#25
 2-Butanone
 Concen: 7.985 ug/l
 RT: 7.208 min Scan# 899
 Delta R.T. -0.000 min
 Lab File: VD070422.D
 Acq: 22 Sep 2021 13:04

Tgt Ion: 43 Resp: 54
 Ion Ratio Lower Upper
 43 100
 72 0.0 22.2 33.4#





#27

cis-1,2-Dichloroethene

Concen: 2.910 ug/l

RT: 7.114 min Scan# 883

Delta R.T. -0.094 min

Lab File: VD070422.D

Acq: 22 Sep 2021 13:04

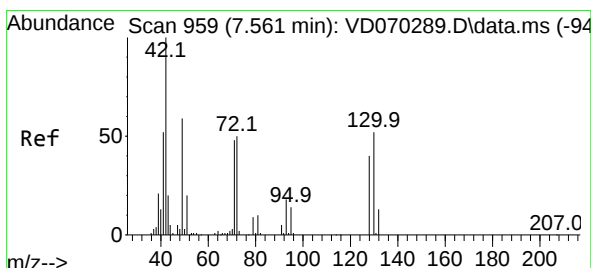
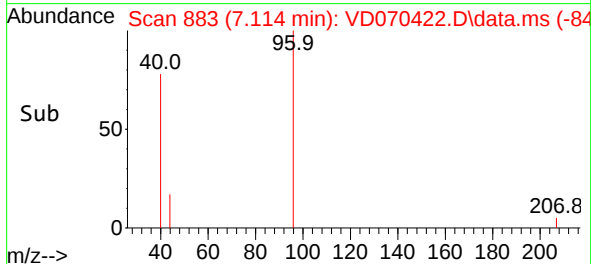
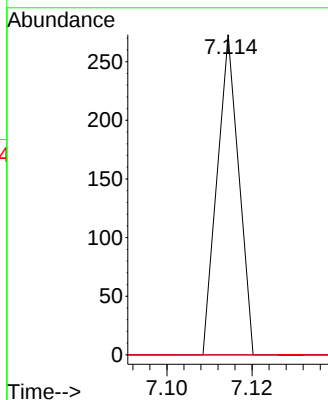
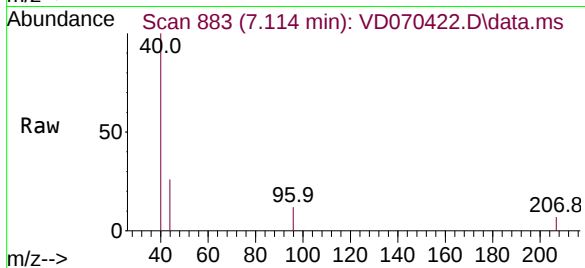
Instrument :

MSVOA_D

ClientSampleId :

OR-02-092121

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



#29

Tetrahydrofuran

Concen: 12.440 ug/l

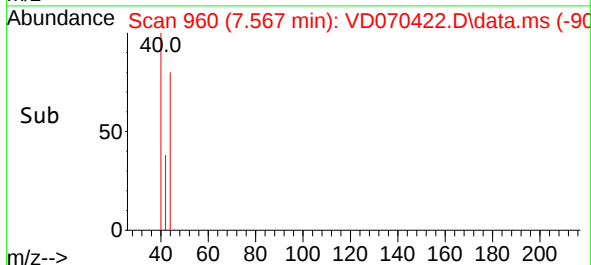
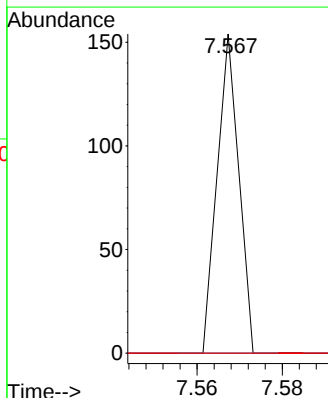
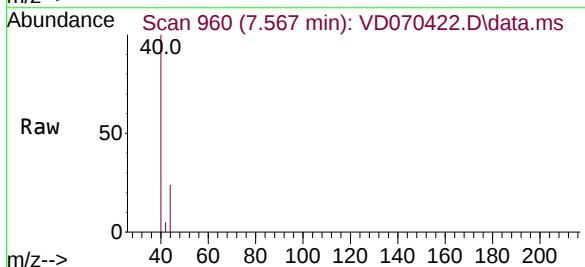
RT: 7.567 min Scan# 960

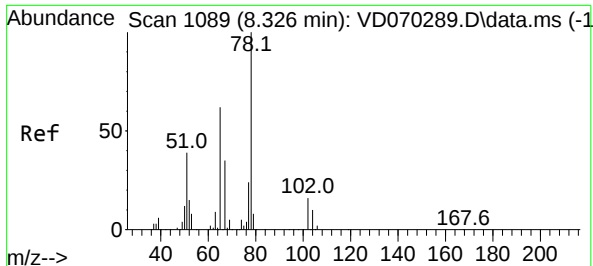
Delta R.T. 0.006 min

Lab File: VD070422.D

Acq: 22 Sep 2021 13:04

Tgt Ion:	42	Resp:	54
Ion	Ratio	Lower	Upper
42	100		
72	0.0	38.8	58.2#
71	0.0	37.8	56.6#



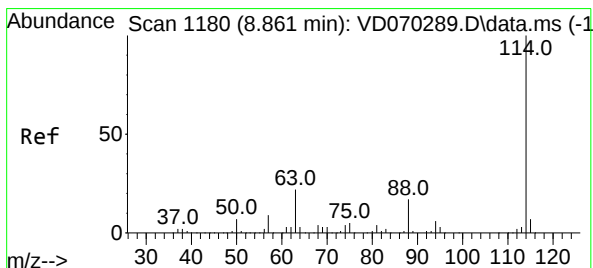
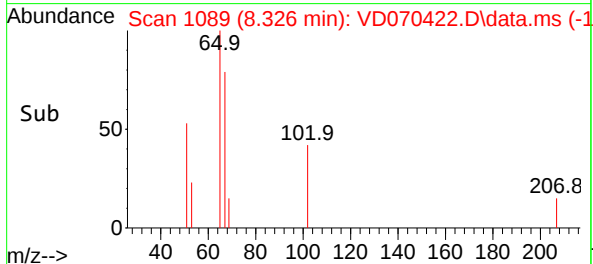
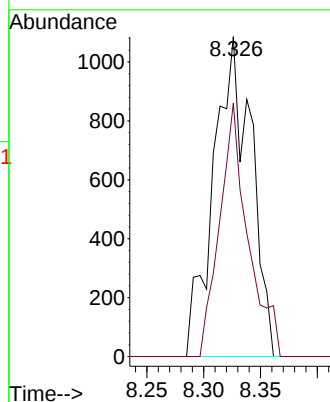
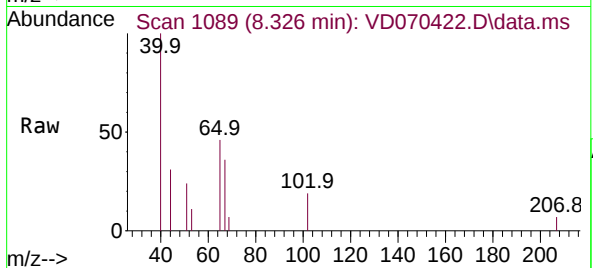


#33

1,2-Dichloroethane-d4
Concen: 88.002 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070422.D
Acq: 22 Sep 2021 13:04

Instrument :
MSVOA_D
ClientSampled :
OR-02-092121

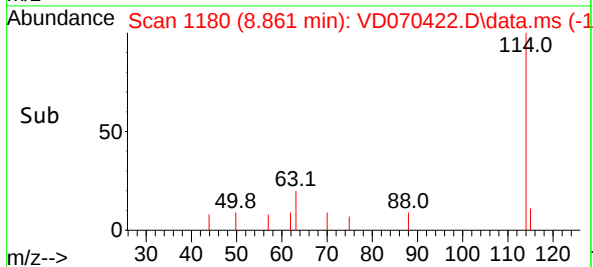
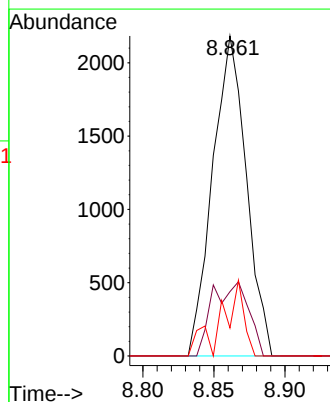
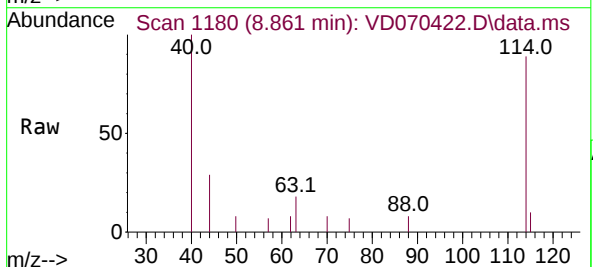
Tgt Ion: 65 Resp: 2504
Ion Ratio Lower Upper
65 100
67 59.7 0.0 111.4

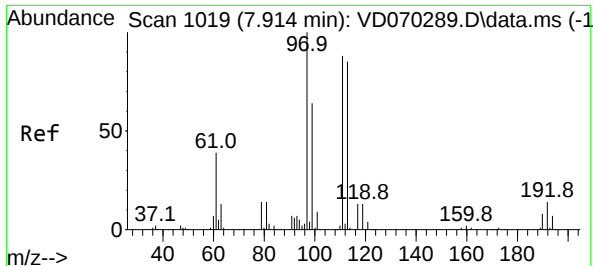


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070422.D
Acq: 22 Sep 2021 13:04

Tgt Ion: 114 Resp: 3600
Ion Ratio Lower Upper
114 100
63 20.1 0.0 43.4
88 8.7 0.0 33.4





#35

Dibromofluoromethane

Concen: 27.551 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070422.D

Acq: 22 Sep 2021 13:04

Tgt Ion:113 Resp: 706

Ion Ratio Lower Upper

113 100

111 153.0 81.4 122.2#

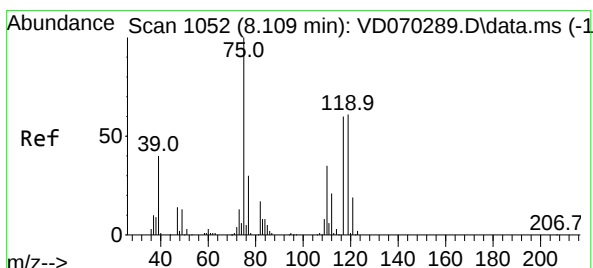
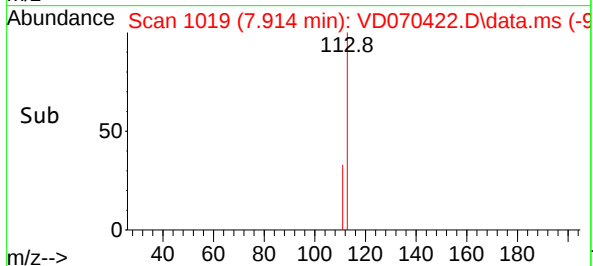
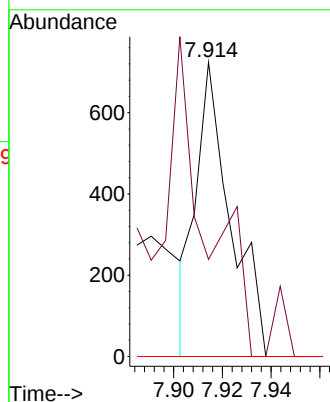
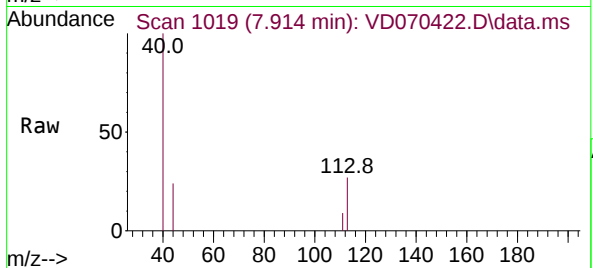
192 0.0 13.0 19.6#

Instrument :

MSVOA_D

ClientSampleId :

OR-02-092121



#36

1,1-Dichloropropene

Concen: 2.183 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.130 min

Lab File: VD070422.D

Acq: 22 Sep 2021 13:04

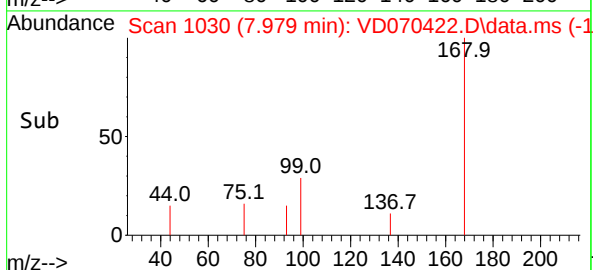
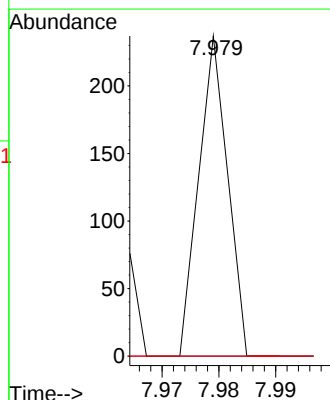
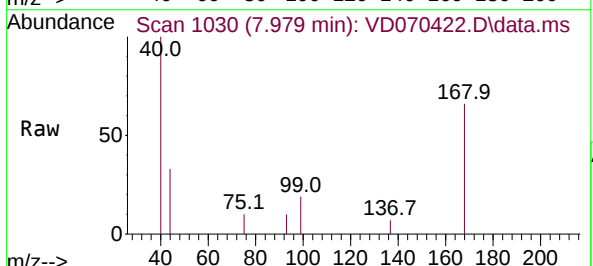
Tgt Ion: 75 Resp: 84

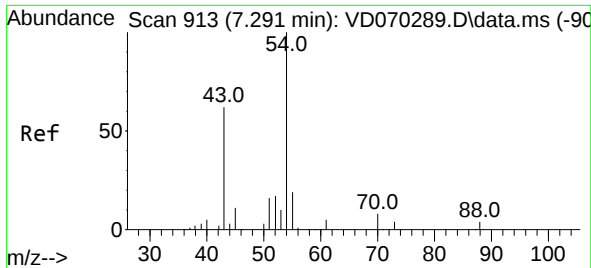
Ion Ratio Lower Upper

75 100

110 0.0 17.9 53.7#

77 0.0 25.3 37.9#

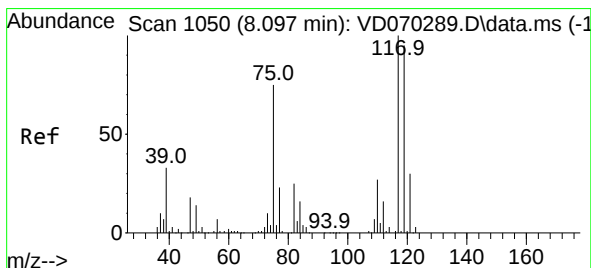
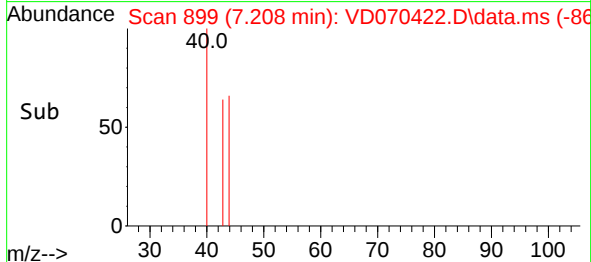
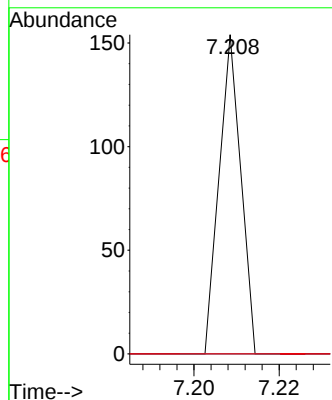
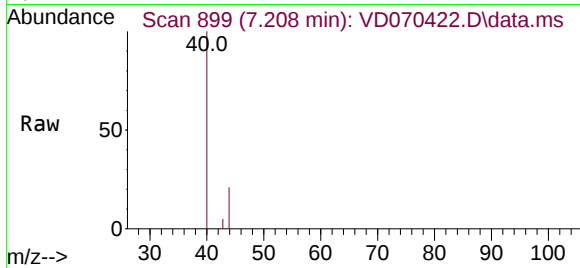




#37
Ethyl Acetate
Concen: 3.753 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.082 min
Lab File: VD070422.D
Acq: 22 Sep 2021 13:04

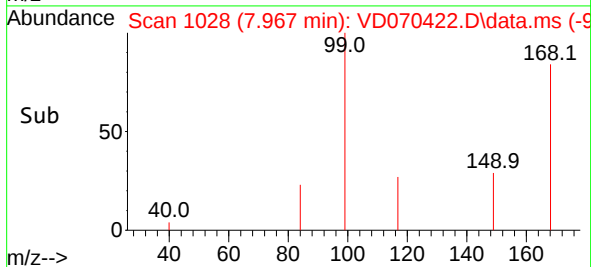
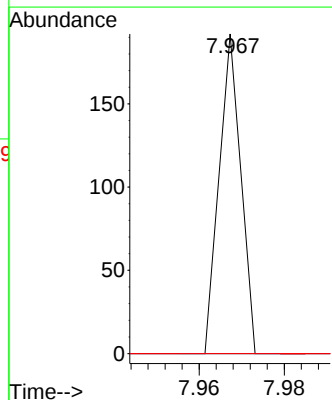
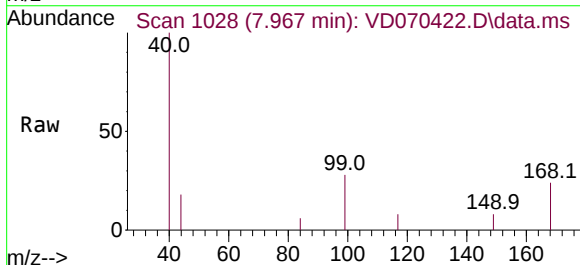
Instrument :
MSVOA_D
ClientSampleId :
OR-02-092121

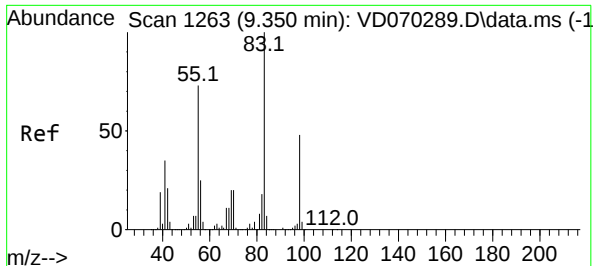
Tgt Ion: 43	Resp:	54
Ion	Ratio	Lower Upper
43	100	
61	0.0	13.0 19.6#
70	0.0	9.8 14.6#



#38
Carbon Tetrachloride
Concen: 1.787 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.130 min
Lab File: VD070422.D
Acq: 22 Sep 2021 13:04

Tgt Ion: 117	Resp:	68
Ion	Ratio	Lower Upper
117	100	
119	0.0	76.1 114.1#
121	0.0	23.8 35.6#





#39

Methylcyclohexane

Concen: 1.419 ug/l

RT: 9.361 min Scan# 1265

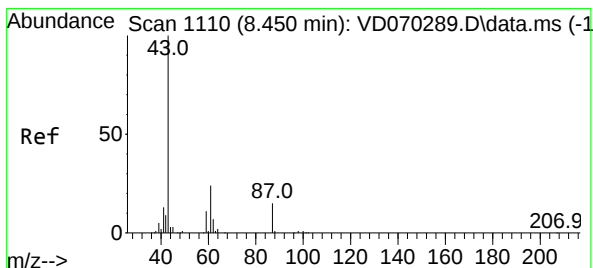
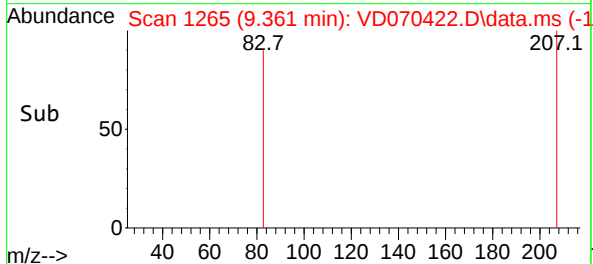
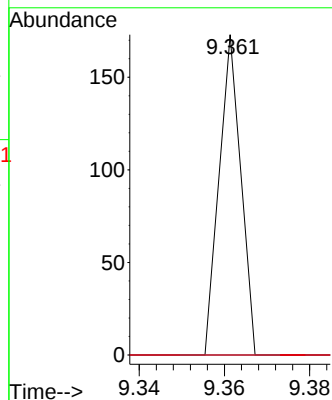
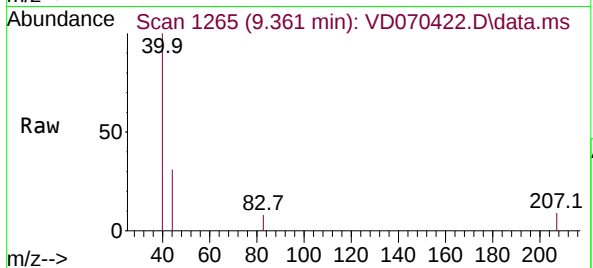
Delta R.T. 0.012 min

Lab File: VD070422.D

Acq: 22 Sep 2021 13:04

Tgt Ion:	83	Resp:	61
Ion	Ratio	Lower	Upper
83	100		
55	0.0	58.5	87.7#
98	0.0	38.4	57.6#

Instrument :
MSVOA_D
ClientSampleId :
OR-02-092121



#43

Isopropyl Acetate

Concen: 3.233 ug/l

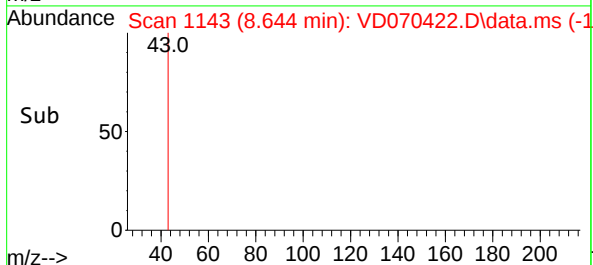
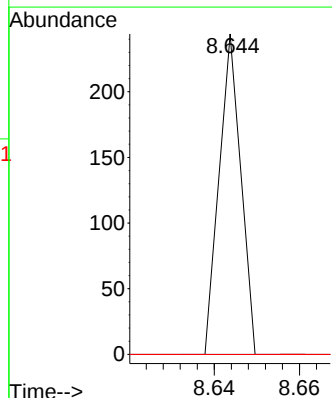
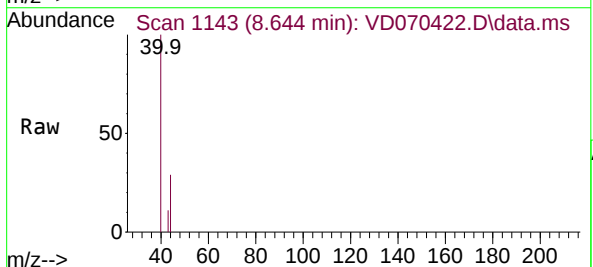
RT: 8.644 min Scan# 1143

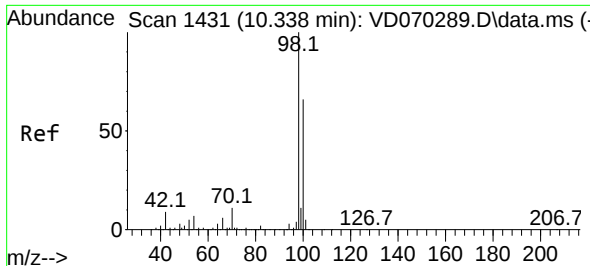
Delta R.T. 0.194 min

Lab File: VD070422.D

Acq: 22 Sep 2021 13:04

Tgt Ion:	43	Resp:	86
Ion	Ratio	Lower	Upper
43	100		
61	0.0	29.0	43.6#
87	0.0	12.8	19.2#

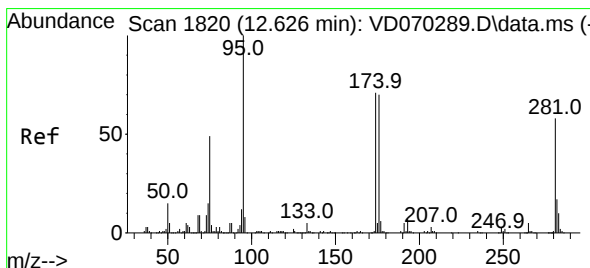
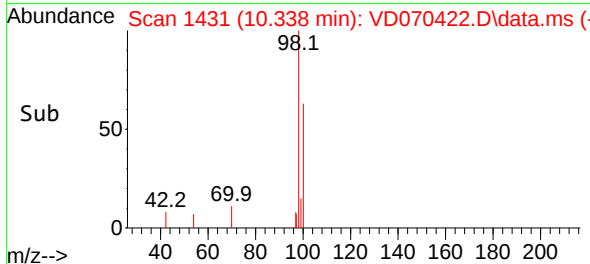
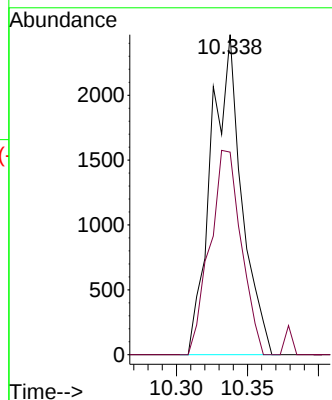
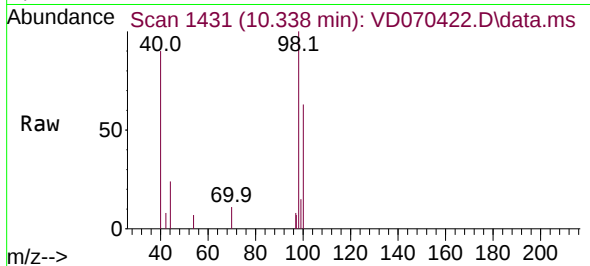




#50
Toluene-d8
Concen: 39.628 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070422.D
Acq: 22 Sep 2021 13:04

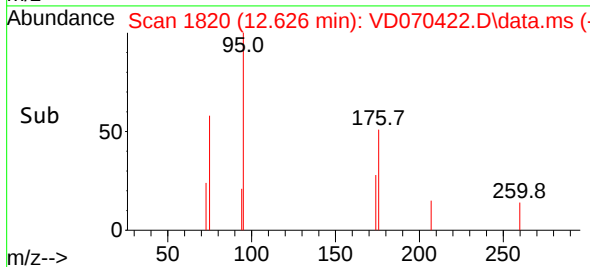
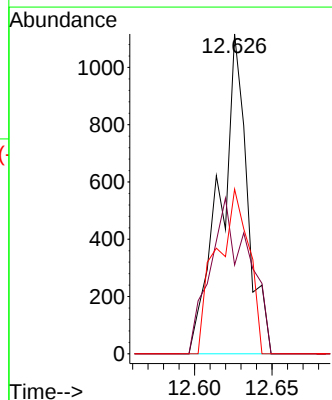
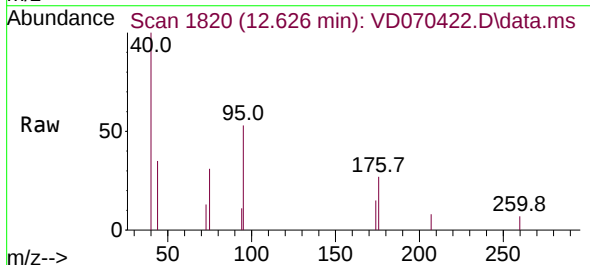
Instrument :
MSVOA_D
ClientSampleId :
OR-02-092121

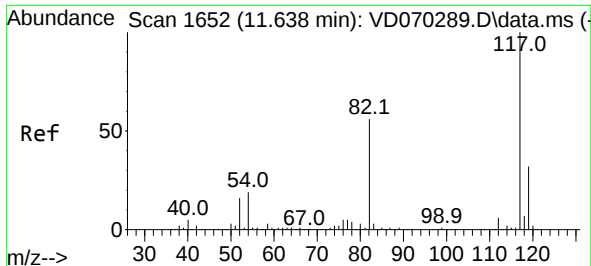
Tgt Ion: 98 Resp: 3687
Ion Ratio Lower Upper
98 100
100 65.4 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 42.041 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070422.D
Acq: 22 Sep 2021 13:04

Tgt Ion: 95 Resp: 1367
Ion Ratio Lower Upper
95 100
174 68.2 0.0 140.6
176 61.2 0.0 137.4

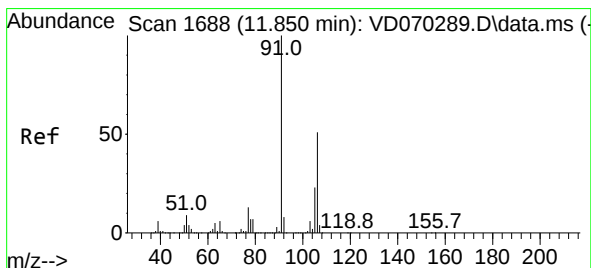
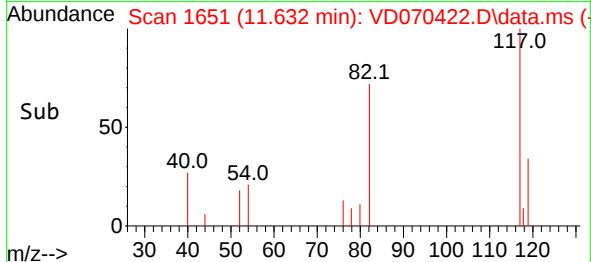
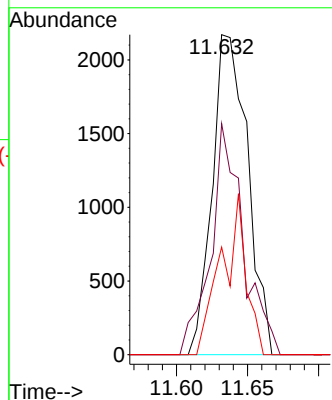
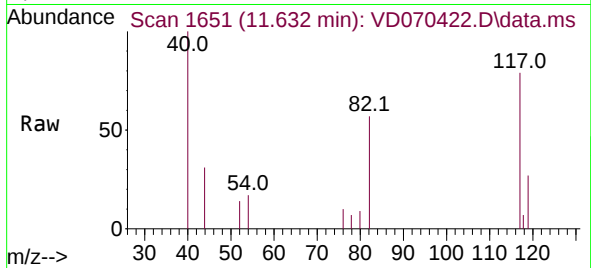




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD070422.D
Acq: 22 Sep 2021 13:04

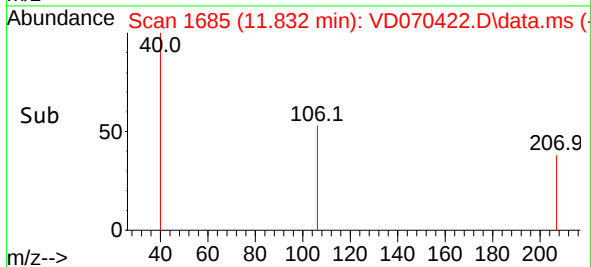
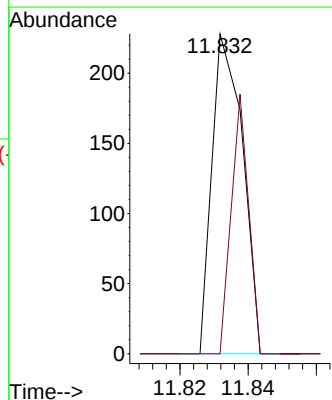
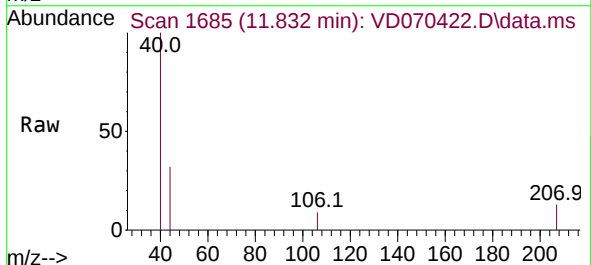
Instrument :
MSVOA_D
ClientSampleId :
OR-02-092121

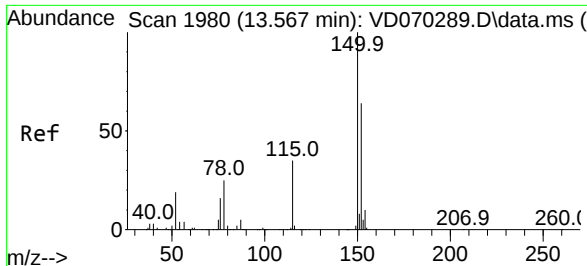
Tgt Ion:117 Resp: 3756
Ion Ratio Lower Upper
117 100
82 72.2 45.0 67.4#
119 33.6 25.2 37.8



#68
m/p-Xylenes
Concen: 2.740 ug/l
RT: 11.832 min Scan# 1685
Delta R.T. -0.018 min
Lab File: VD070422.D
Acq: 22 Sep 2021 13:04

Tgt Ion:106 Resp: 142
Ion Ratio Lower Upper
106 100
91 45.8 161.2 241.8#

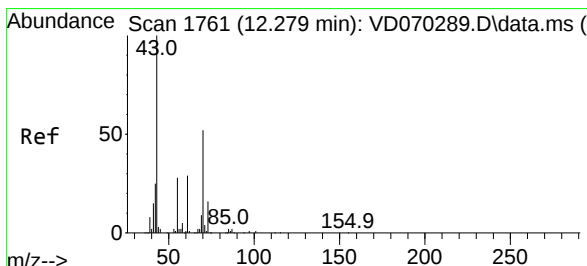
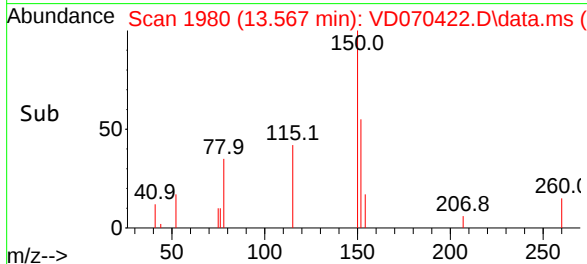
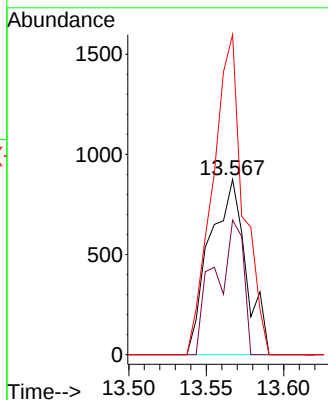
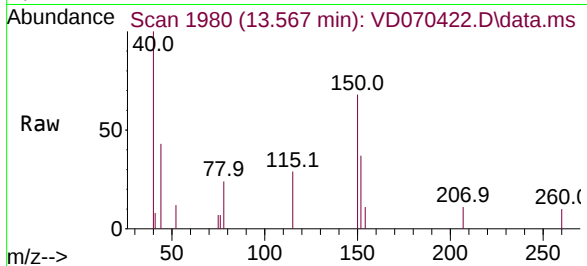




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070422.D
Acq: 22 Sep 2021 13:04

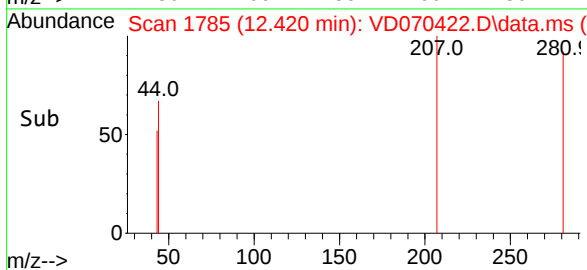
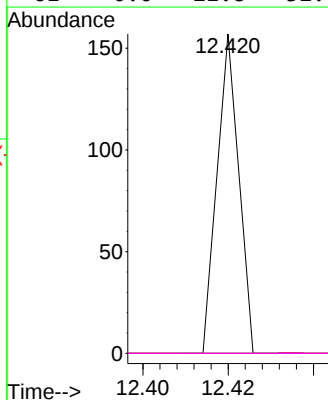
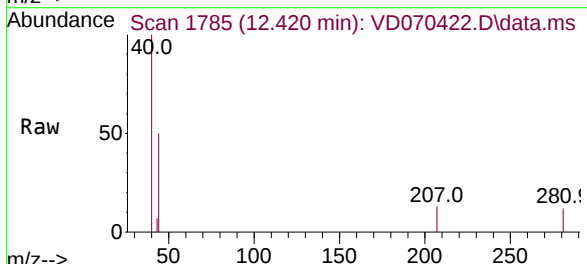
Instrument :
MSVOA_D
ClientSampleId :
OR-02-092121

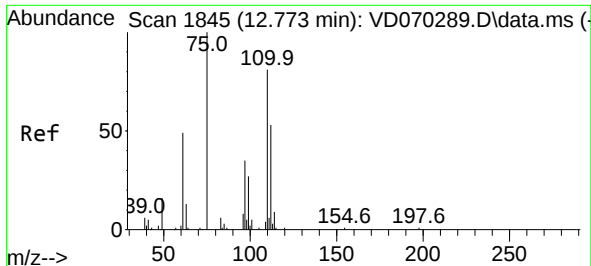
Tgt Ion:	152	Resp:	1418
Ion	Ratio	Lower	Upper
152	100		
115	60.1	32.1	96.3
150	156.4	0.0	350.6



#74
N-ethyl acetate
Concen: 2.538 ug/l
RT: 12.420 min Scan# 1785
Delta R.T. 0.141 min
Lab File: VD070422.D
Acq: 22 Sep 2021 13:04

Tgt Ion:	43	Resp:	55
Ion	Ratio	Lower	Upper
43	100		
70	0.0	41.4	62.0#
55	0.0	22.8	34.2#
61	0.0	21.8	32.6#

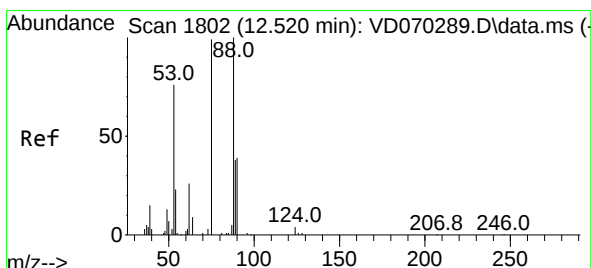
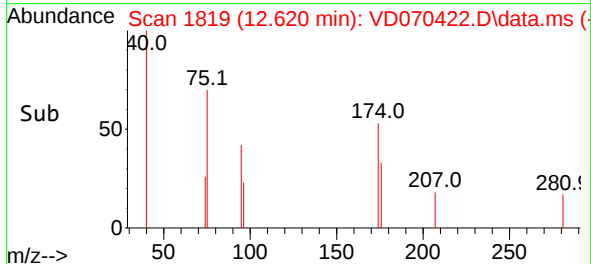
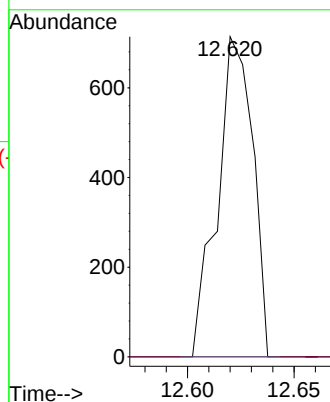
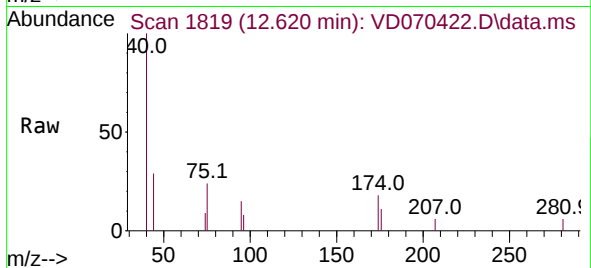




#76
1,2,3-Trichloropropane
Concen: 57.588 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070422.D
Acq: 22 Sep 2021 13:04

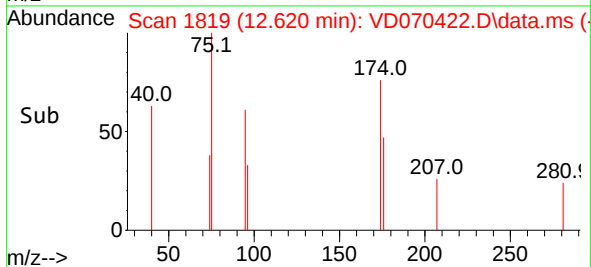
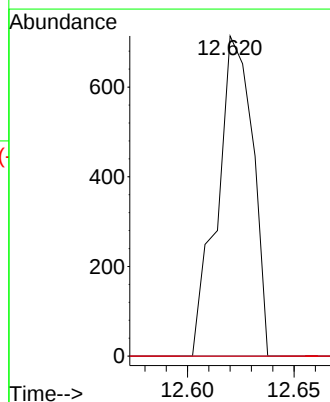
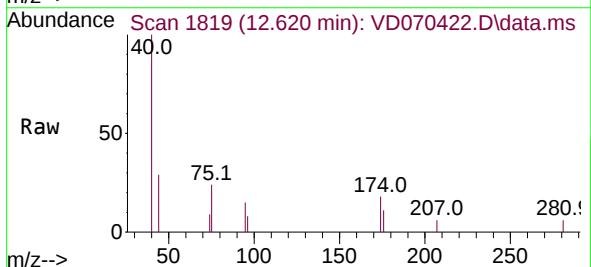
Instrument :
MSVOA_D
ClientSampleId :
OR-02-092121

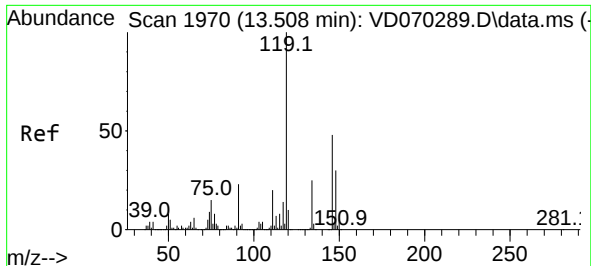
Tgt Ion: 75 Resp: 826
Ion Ratio Lower Upper
75 100
77 0.0 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 144.292 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070422.D
Acq: 22 Sep 2021 13:04

Tgt Ion: 75 Resp: 826
Ion Ratio Lower Upper
75 100
53 0.0 64.2 96.2#
89 0.0 35.6 53.4#



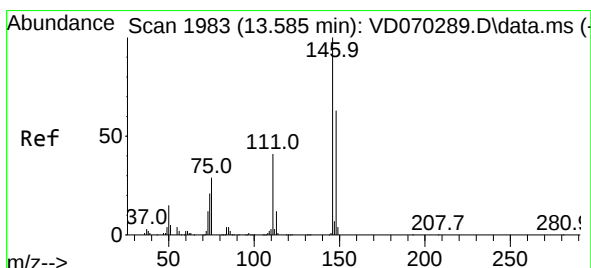
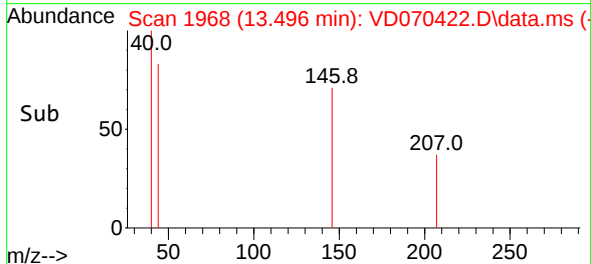
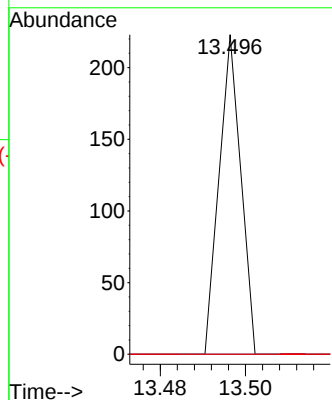
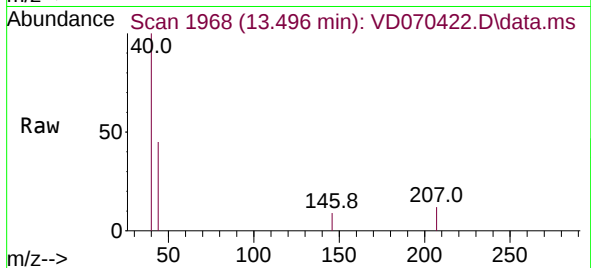


#87

1,3-Dichlorobenzene
Concen: 1.654 ug/l
RT: 13.496 min Scan# 1968
Delta R.T. -0.012 min
Lab File: VD070422.D
Acq: 22 Sep 2021 13:04

Instrument :
MSVOA_D
ClientSampleId :
OR-02-092121

Tgt Ion:146 Resp: 79
Ion Ratio Lower Upper
146 100
111 0.0 21.5 64.5#
148 0.0 31.4 94.2#



#88

1,4-Dichlorobenzene
Concen: 1.648 ug/l
RT: 13.496 min Scan# 1968
Delta R.T. -0.088 min
Lab File: VD070422.D
Acq: 22 Sep 2021 13:04

Tgt Ion:146 Resp: 79
Ion Ratio Lower Upper
146 100
111 0.0 20.9 62.8#
148 0.0 31.9 95.5#

