

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022521\
 Data File : VD068446.D
 Acq On : 25 Feb 2021 16:35
 Operator : VA/SY
 Sample : M1491-01
 Misc : 6.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 26 00:29:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 12 13:30:51 2021
 Response via : Initial Calibration

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

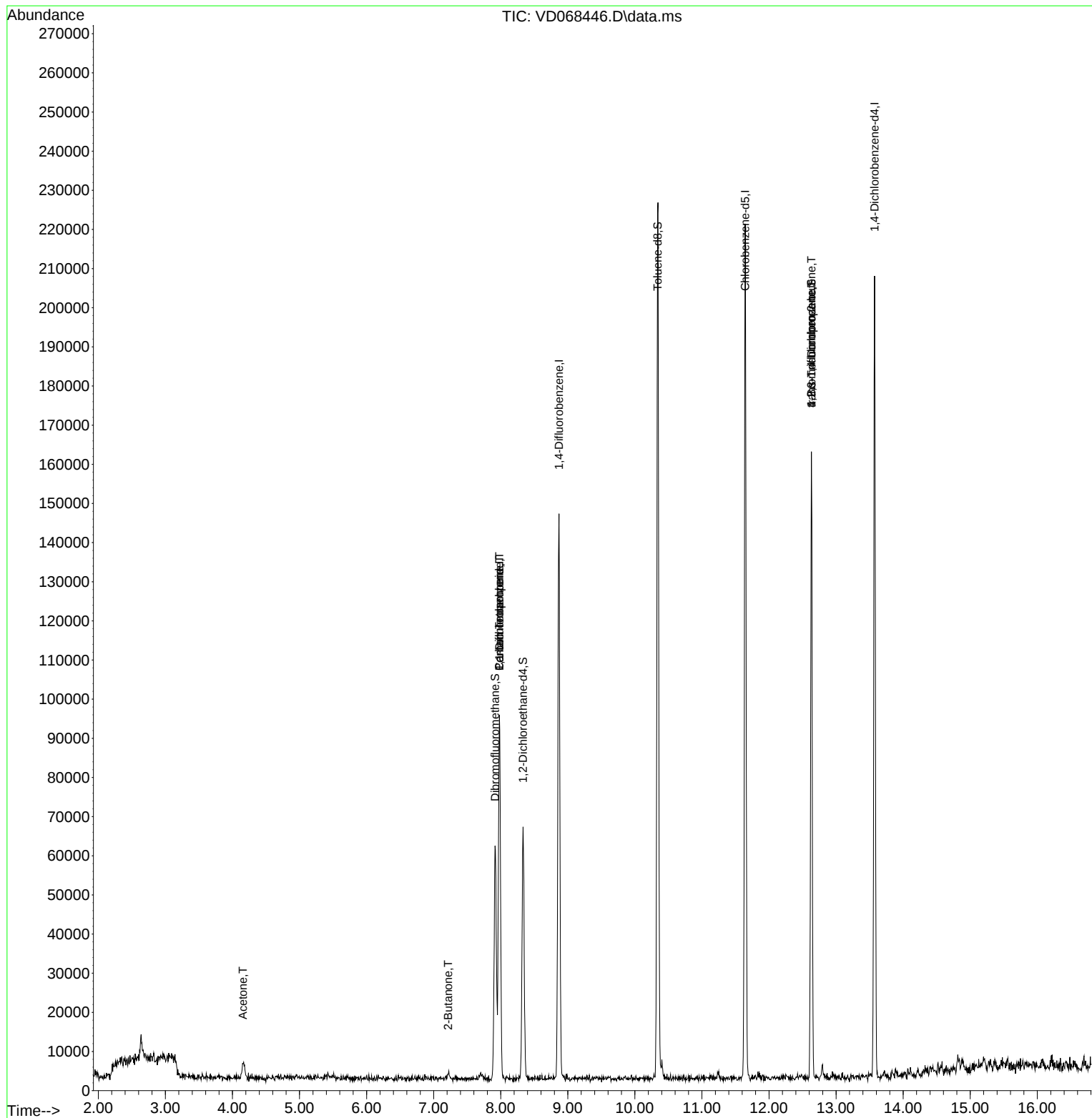
Internal Standards						
1) Pentafluorobenzene	7.979	168	70781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	129088	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	127367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	56739	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	52051	71.93	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 143.86%			
35) Dibromofluoromethane	7.914	113	43829	57.20	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.40%			
50) Toluene-d8	10.338	98	162169	51.06	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.12%			
62) 4-Bromofluorobenzene	12.632	95	52429	50.68	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.36%			
Target Compounds					Qvalue	
16) Acetone	4.156	43	7481	67.01	ug/l #	87
20) Methylene Chloride	4.973	84	153	Below Cal	#	47
25) 2-Butanone	7.214	43	2146	13.75	ug/l	90
31) Cyclohexane	7.985	56	1714	Below Cal	#	29
36) 1,1-Dichloropropene	7.979	75	5624	4.92	ug/l #	44
38) Carbon Tetrachloride	7.979	117	6670	6.12	ug/l #	12
76) 1,2,3-Trichloropropane	12.632	75	27637	51.19	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	27637	128.31	ug/l #	13

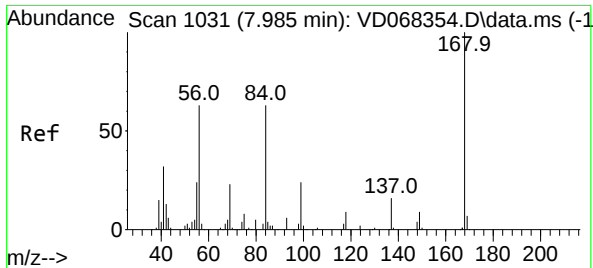
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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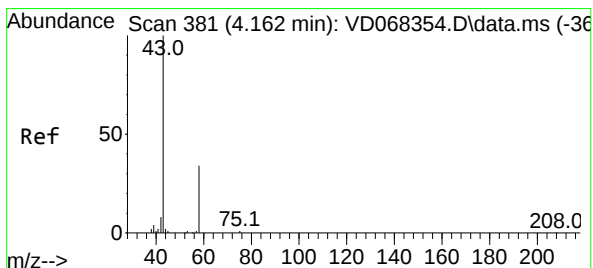
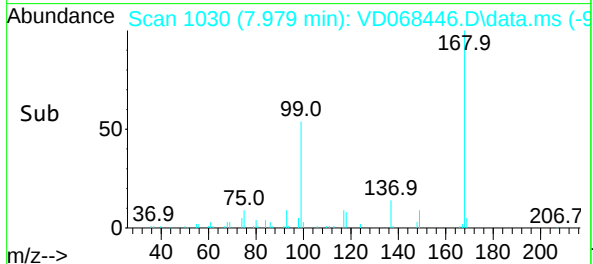
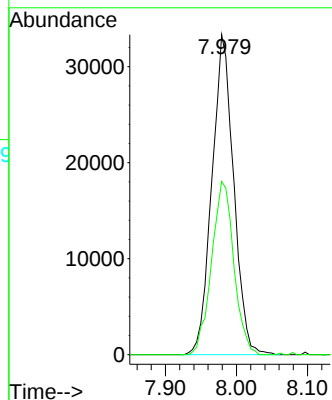
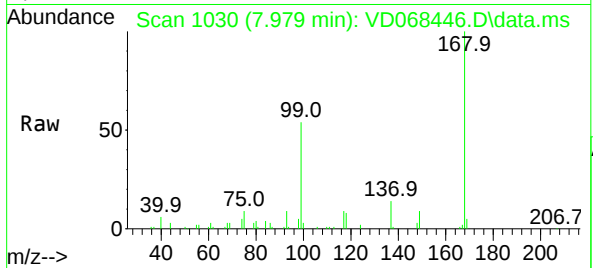




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068446.D
Acq: 25 Feb 2021 16:35

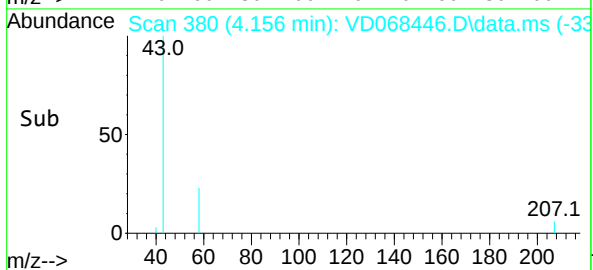
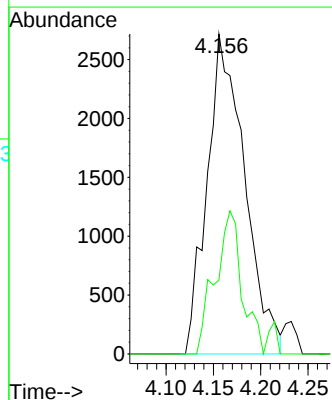
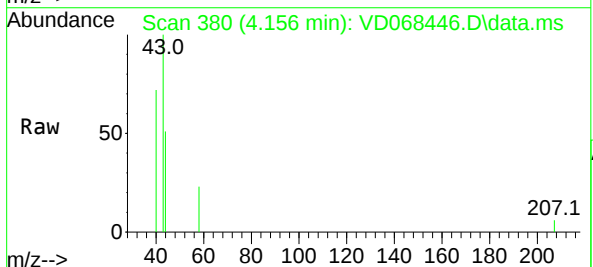
Instrument :
MSVOA_D
ClientSampled :

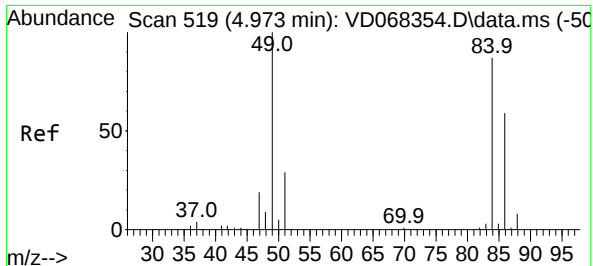
Tgt Ion:168 Resp: 70781
Ion Ratio Lower Upper
168 100
99 54.1 43.5 65.3



#16
Acetone
Concen: 67.01 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD068446.D
Acq: 25 Feb 2021 16:35

Tgt Ion: 43 Resp: 7481
Ion Ratio Lower Upper
43 100
58 23.1 24.2 36.4#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.973 min Scan# 519

Delta R.T. 0.000 min

Lab File: VD068446.D

Acq: 25 Feb 2021 16:35

Tgt Ion: 84 Resp: 153

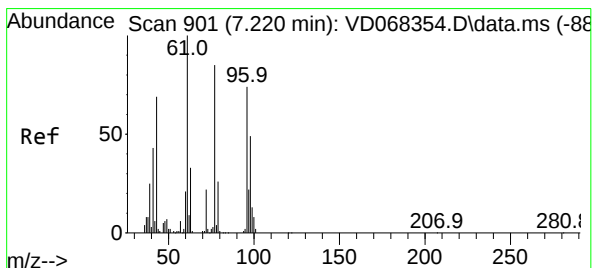
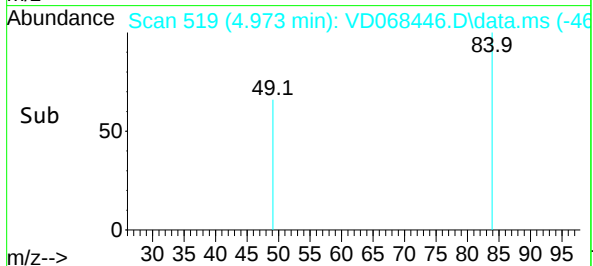
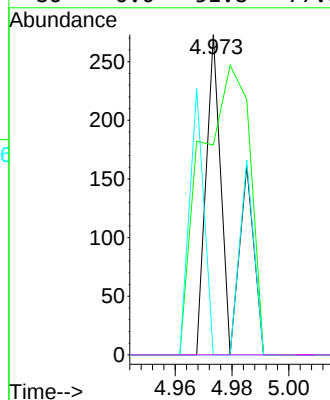
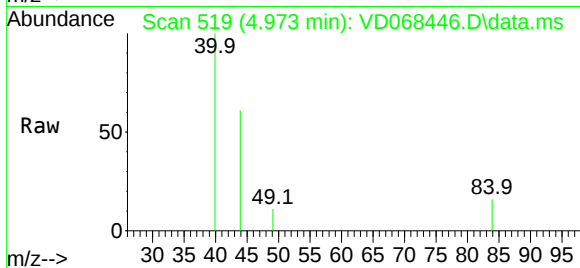
Ion Ratio Lower Upper

84 100

49 65.6 77.4 116.2#

51 0.0 26.1 39.1#

86 0.0 51.8 77.8#



#25

2-Butanone

Concen: 13.75 ug/l

RT: 7.214 min Scan# 900

Delta R.T. -0.006 min

Lab File: VD068446.D

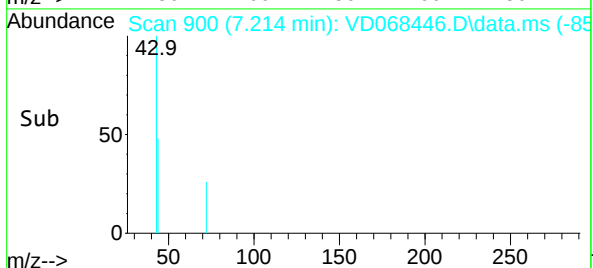
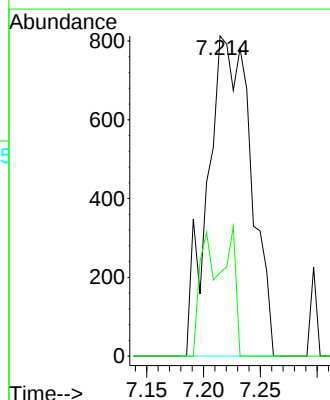
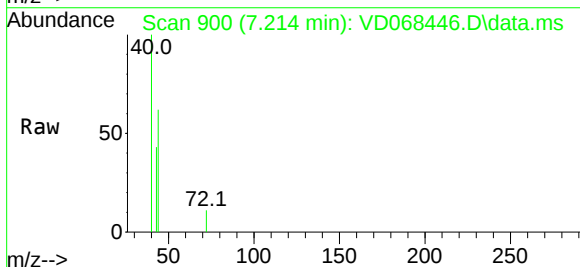
Acq: 25 Feb 2021 16:35

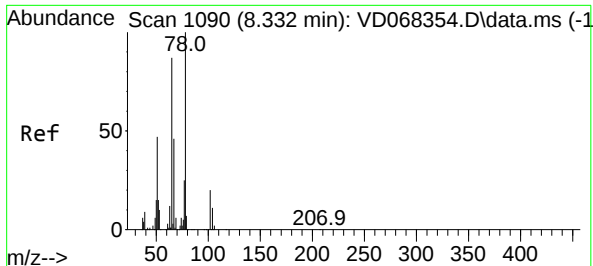
Tgt Ion: 43 Resp: 2146

Ion Ratio Lower Upper

43 100

72 26.1 25.1 37.7

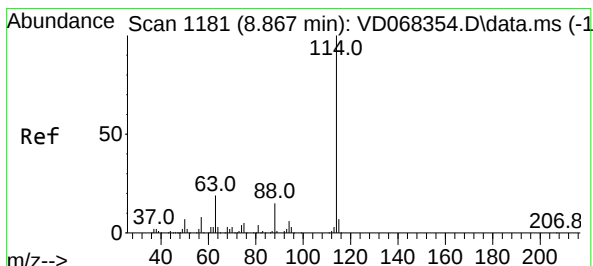
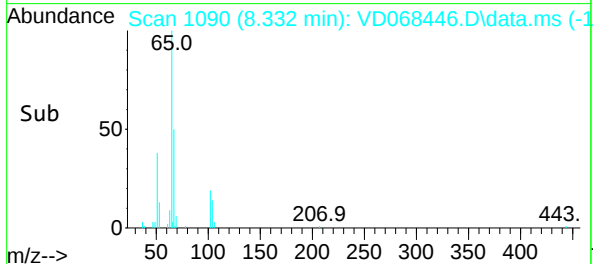
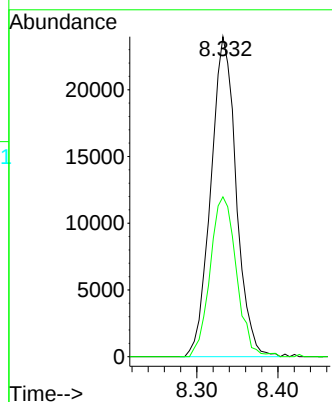
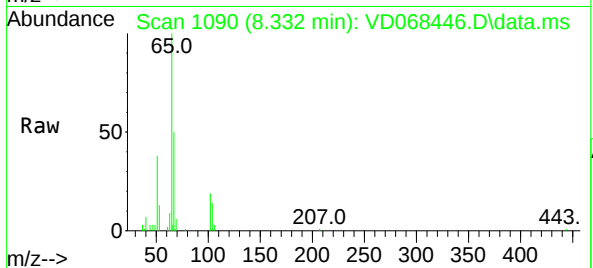




#33
1,2-Dichloroethane-d4
Concen: 71.93 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD068446.D
Acq: 25 Feb 2021 16:35

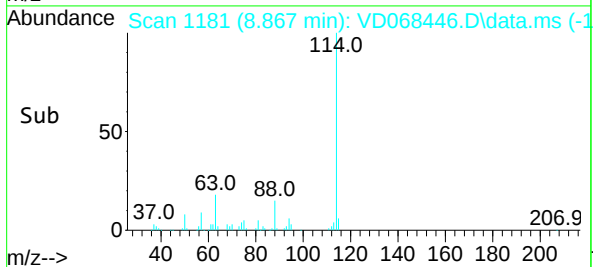
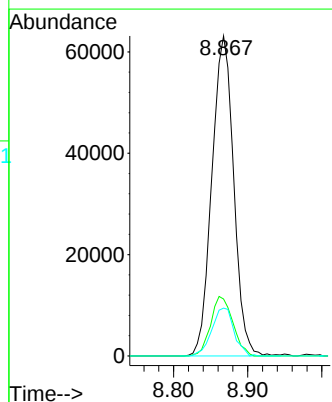
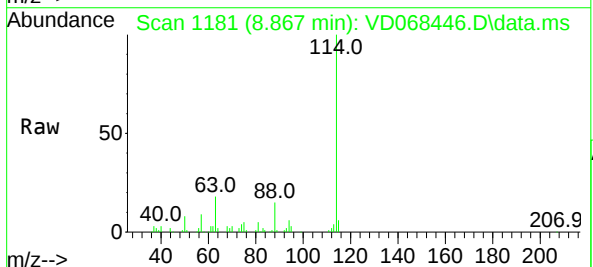
Instrument :
MSVOA_D
ClientSampled :

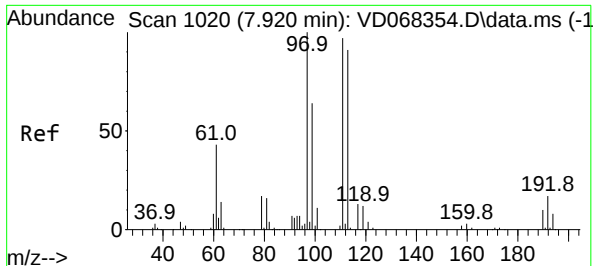
Tgt Ion: 65 Resp: 52051
Ion Ratio Lower Upper
65 100
67 51.8 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068446.D
Acq: 25 Feb 2021 16:35

Tgt Ion: 114 Resp: 129088
Ion Ratio Lower Upper
114 100
63 17.8 0.0 34.8
88 14.9 0.0 31.6





#35

Dibromofluoromethane

Concen: 57.20 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD068446.D

Acq: 25 Feb 2021 16:35

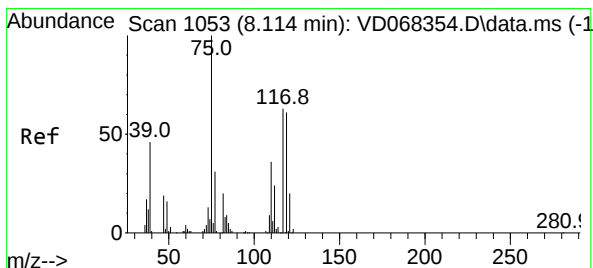
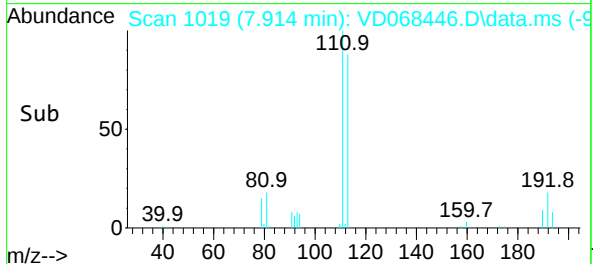
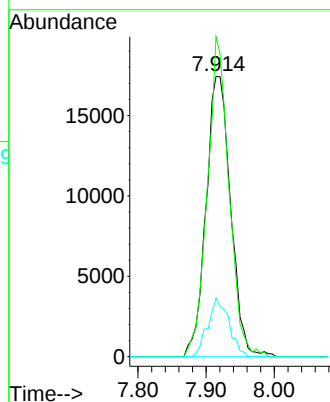
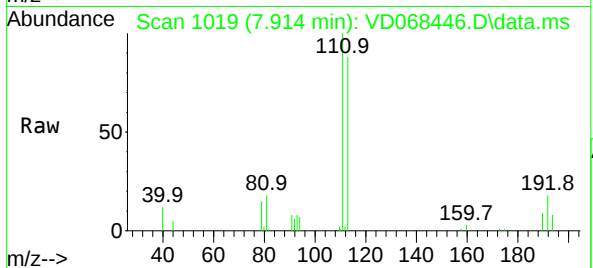
Tgt Ion:113 Resp: 43829

Ion Ratio Lower Upper

113 100

111 100.5 81.4 122.0

192 18.0 16.1 24.1



#36

1,1-Dichloropropene

Concen: 4.92 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD068446.D

Acq: 25 Feb 2021 16:35

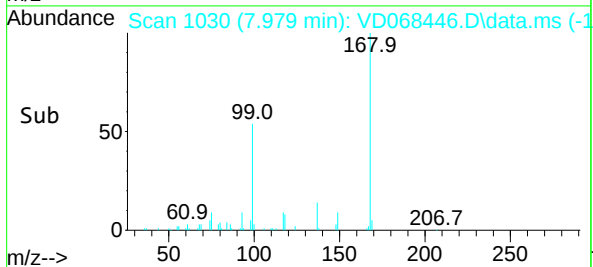
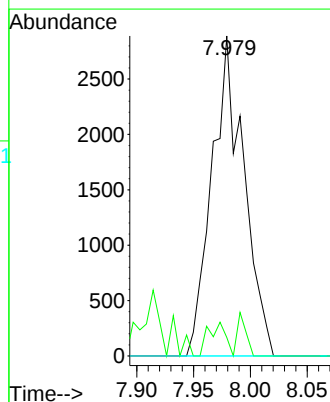
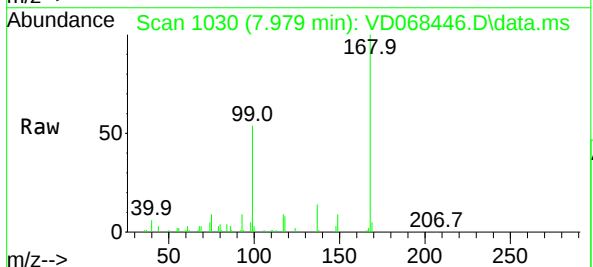
Tgt Ion: 75 Resp: 5624

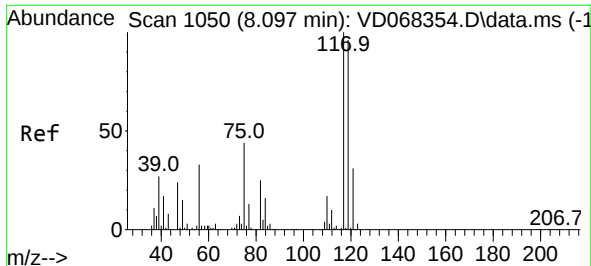
Ion Ratio Lower Upper

75 100

110 5.7 19.4 58.2#

77 0.0 25.3 37.9#

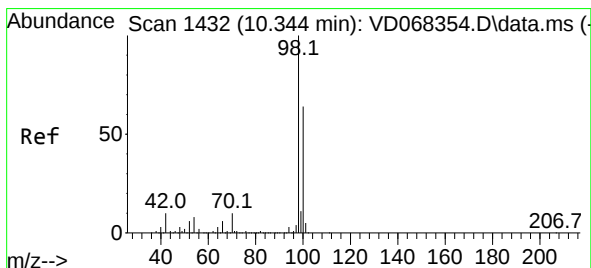
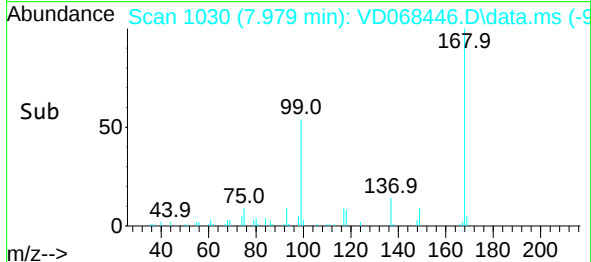
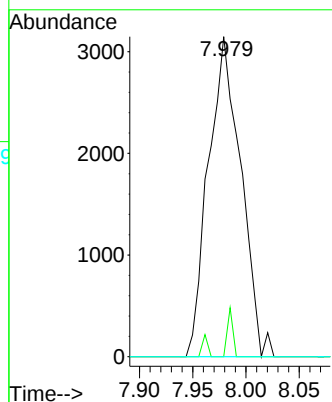
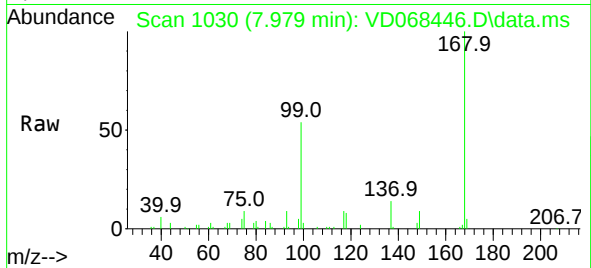




#38
Carbon Tetrachloride
Concen: 6.12 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD068446.D
Acq: 25 Feb 2021 16:35

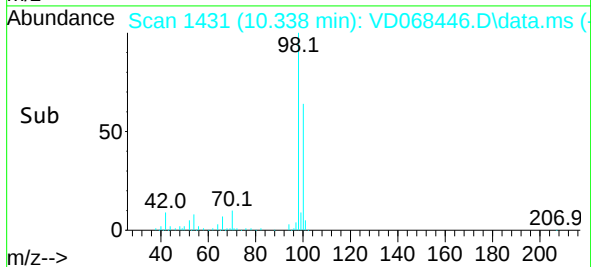
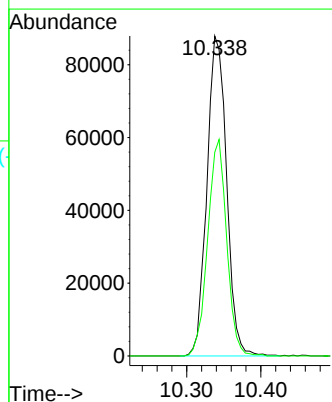
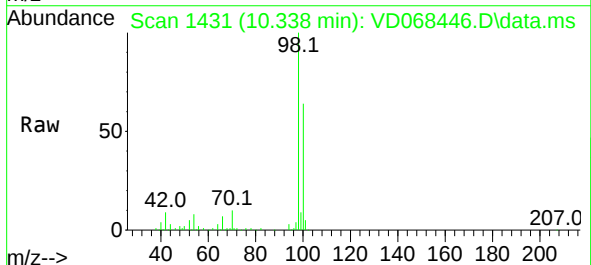
Instrument :
MSVOA_D
ClientSampled :

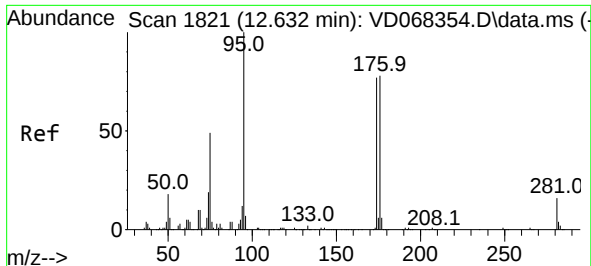
Tgt Ion:117 Resp: 6670
Ion Ratio Lower Upper
117 100
119 0.0 77.3 115.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 51.06 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD068446.D
Acq: 25 Feb 2021 16:35

Tgt Ion: 98 Resp: 162169
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.4

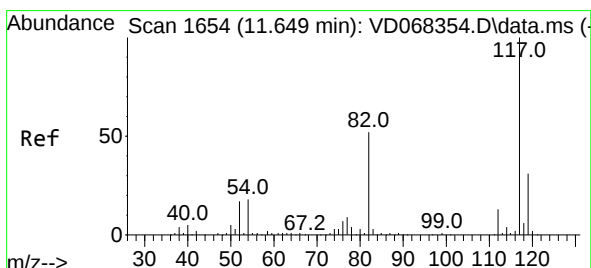
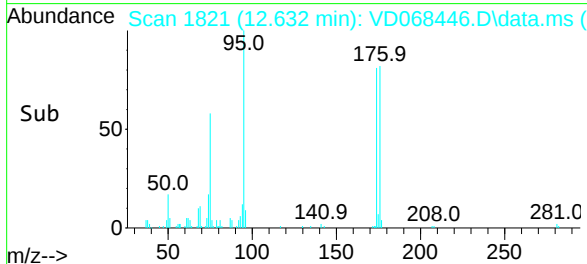
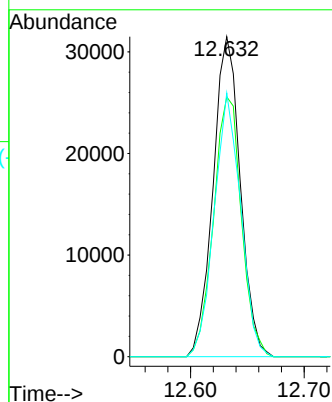
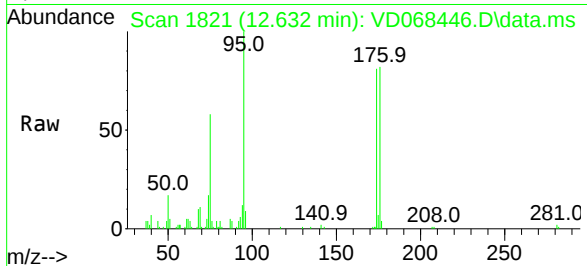




#62
4-Bromofluorobenzene
Concen: 50.68 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068446.D
Acq: 25 Feb 2021 16:35

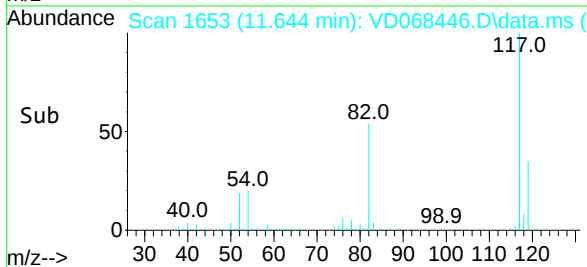
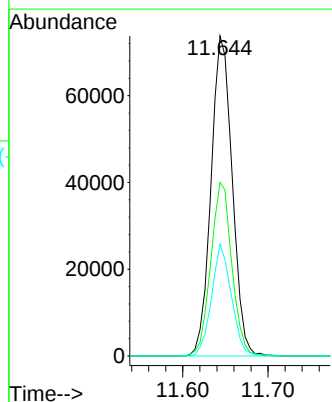
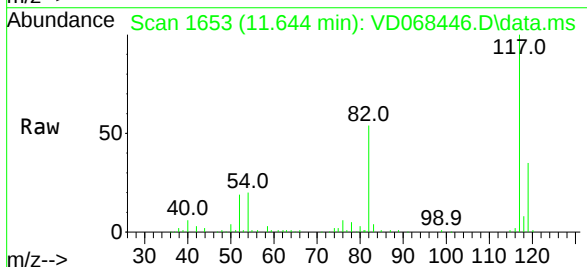
Instrument :
MSVOA_D
ClientSampled :

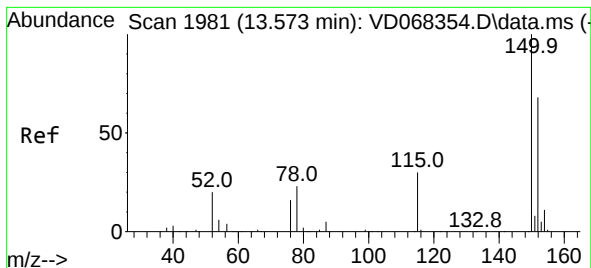
Tgt Ion:	95	Resp:	52429
Ion Ratio	Lower	Upper	
95	100		
174	83.0	0.0	172.4
176	80.0	0.0	168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.006 min
Lab File: VD068446.D
Acq: 25 Feb 2021 16:35

Tgt Ion:	117	Resp:	127367
Ion Ratio	Lower	Upper	
117	100		
82	54.2	41.4	62.0
119	35.0	26.1	39.1

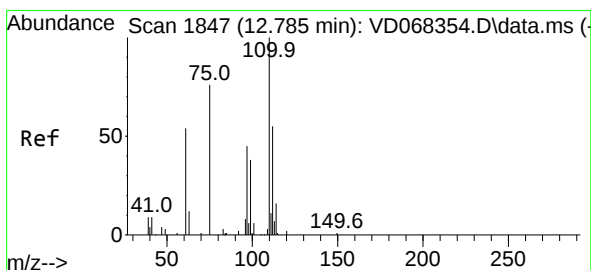
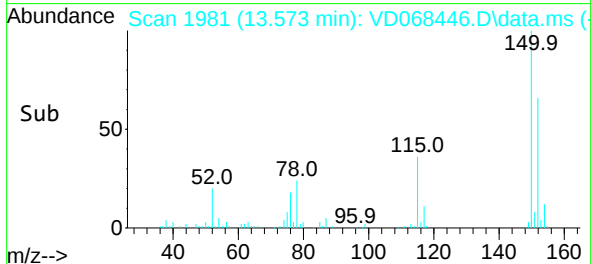
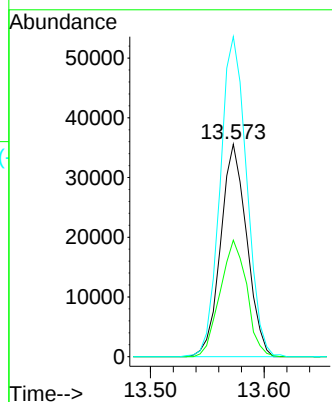
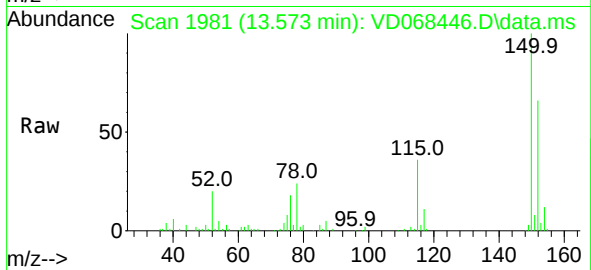




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.573 min Scan# 1981
 Delta R.T. 0.000 min
 Lab File: VD068446.D
 Acq: 25 Feb 2021 16:35

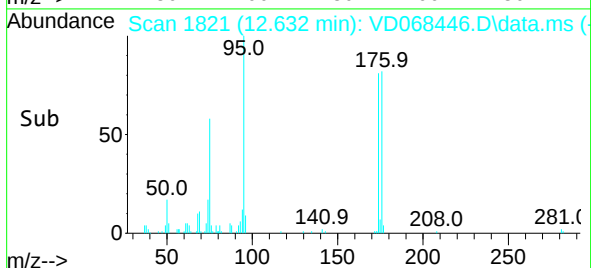
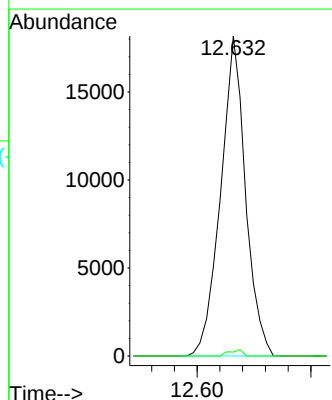
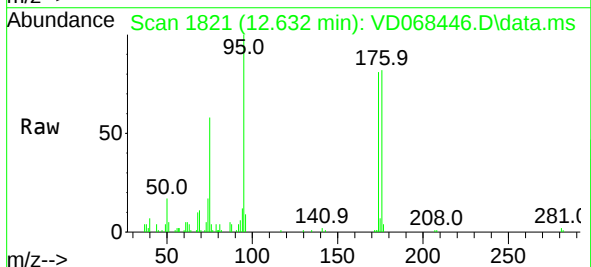
Instrument :
 MSVOA_D
 ClientSampled :

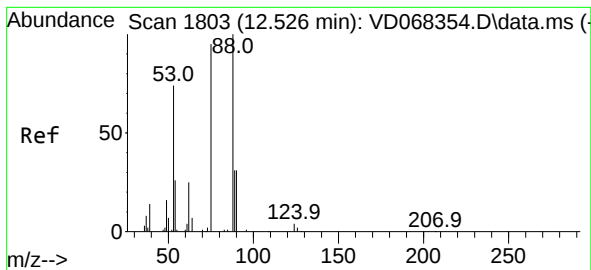
Tgt Ion:152 Resp: 56739
 Ion Ratio Lower Upper
 152 100
 115 56.0 28.9 86.8
 150 153.7 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 51.19 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. -0.153 min
 Lab File: VD068446.D
 Acq: 25 Feb 2021 16:35

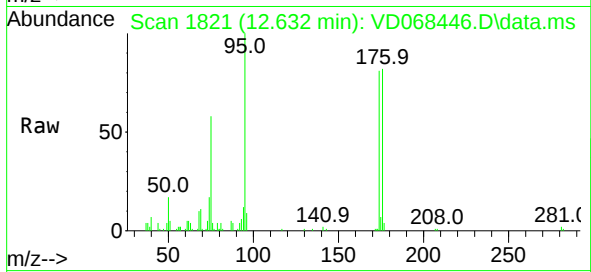
Tgt Ion: 75 Resp: 27637
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.31 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. 0.106 min
 Lab File: VD068446.D
 Acq: 25 Feb 2021 16:35

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 27637
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.2 105.2#
 89 0.0 40.3 60.5#

