

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111921\
 Data File : VD071068.D
 Acq On : 19 Nov 2021 20:37
 Operator : VA/SY
 Sample : M4758-35
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 22 02:54:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 10 03:55:51 2021
 Response via : Initial Calibration

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

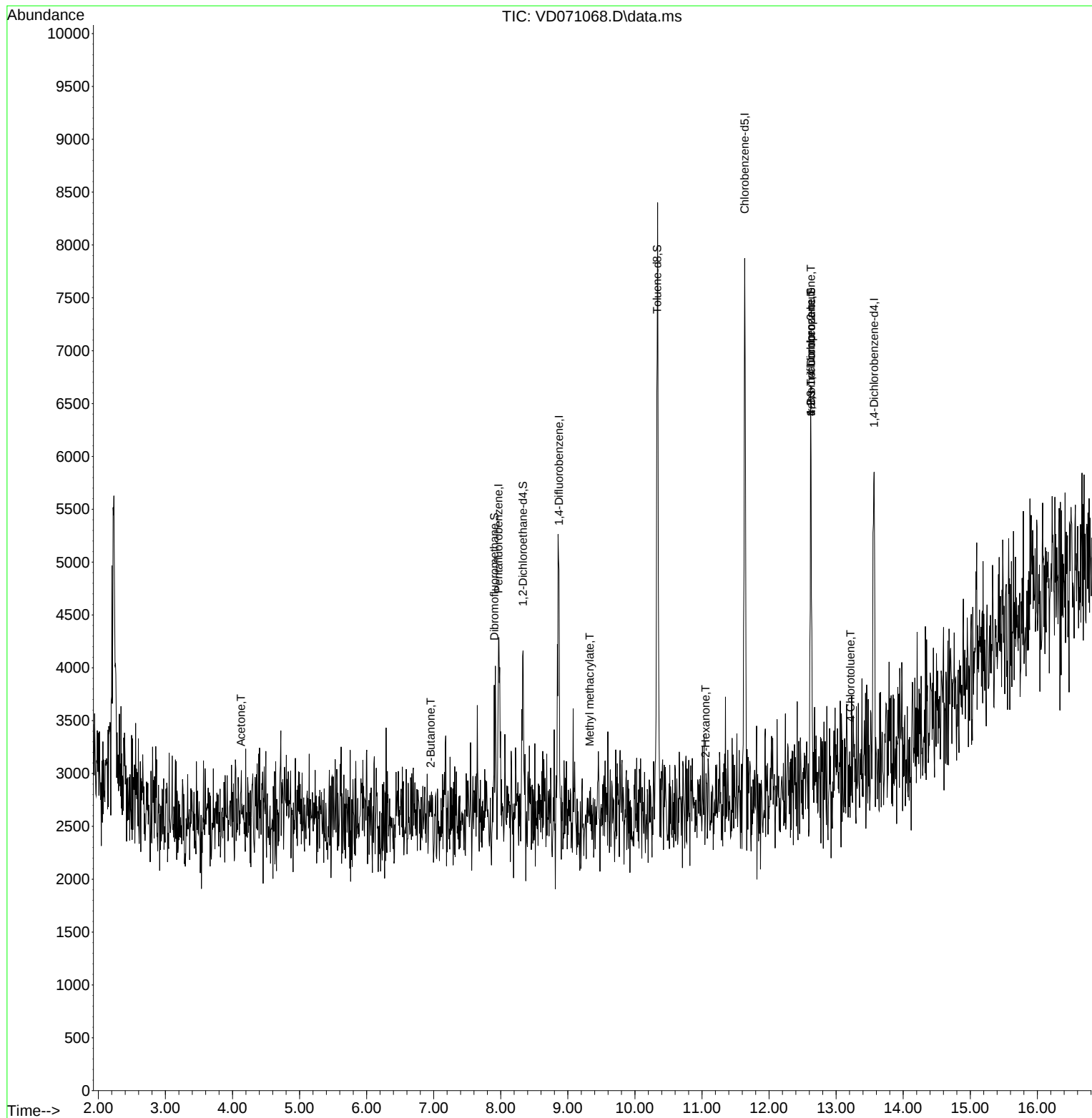
Internal Standards						
1) Pentafluorobenzene	7.967	168	2087	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.867	114	3362	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	3192	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	1115	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	1303	58.640	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.280%	
35) Dibromofluoromethane	7.903	113	834	43.962	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 87.920%	
50) Toluene-d8	10.332	98	3826	51.497	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.000%	
62) 4-Bromofluorobenzene	12.626	95	1273	47.587	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 95.180%	
Target Compounds						
						Qvalue
16) Acetone	4.126	43	73	30.998	ug/l #	40
25) 2-Butanone	6.956	43	55	26.882	ug/l #	45
48) Methyl methacrylate	9.326	41	62	4.361	ug/l #	1
59) 2-Hexanone	11.055	43	55	20.621	ug/l #	22
76) 1,2,3-Trichloropropane	12.626	75	785	82.420	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	785	151.470	ug/l #	18
82) 4-Chlorotoluene	13.214	91	67	1.144	ug/l #	42

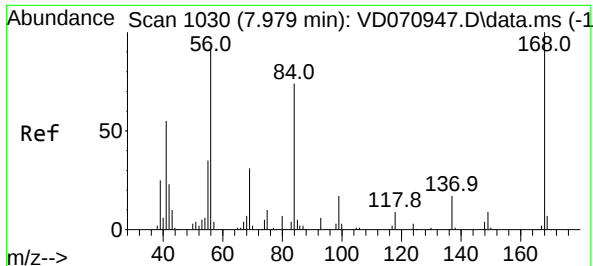
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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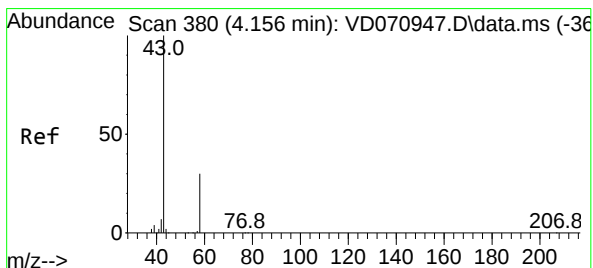
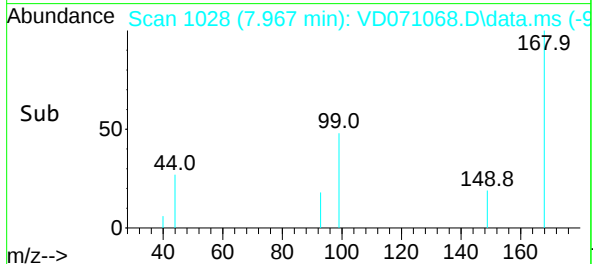
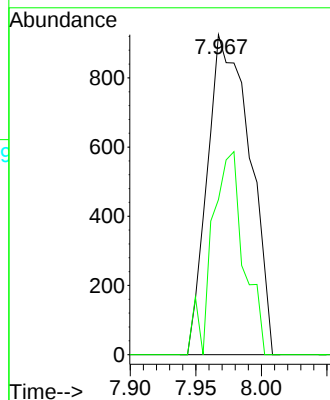
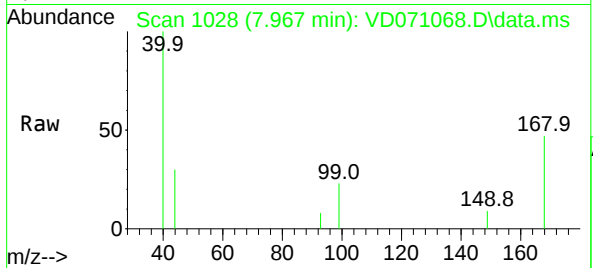




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1030
Delta R.T. -0.012 min
Lab File: VD071068.D
Acq: 19 Nov 2021 20:37

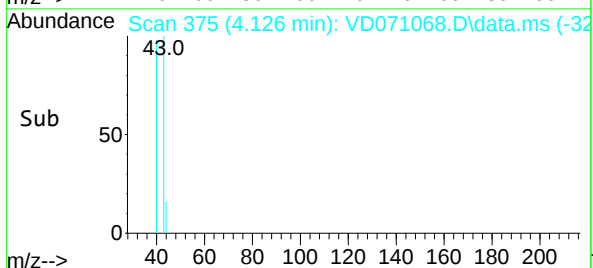
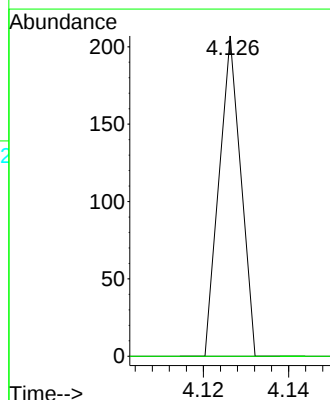
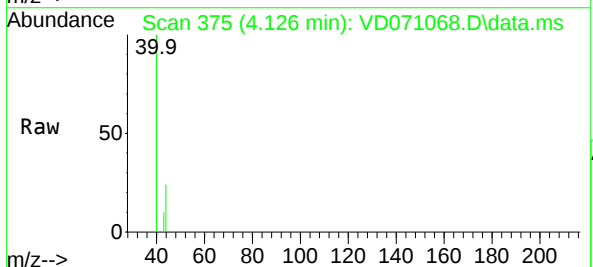
Instrument :
MSVOA_D
ClientSampleId :

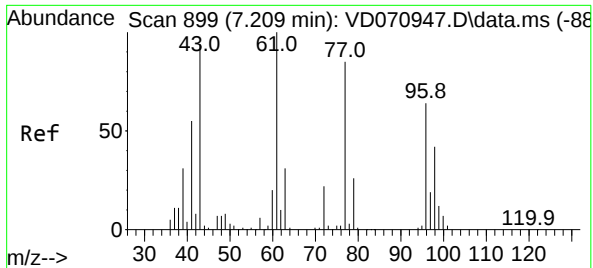
Tgt Ion:168 Resp: 2087
Ion Ratio Lower Upper
168 100
99 48.4 46.6 69.8



#16
Acetone
Concen: 30.998 ug/l
RT: 4.126 min Scan# 375
Delta R.T. -0.030 min
Lab File: VD071068.D
Acq: 19 Nov 2021 20:37

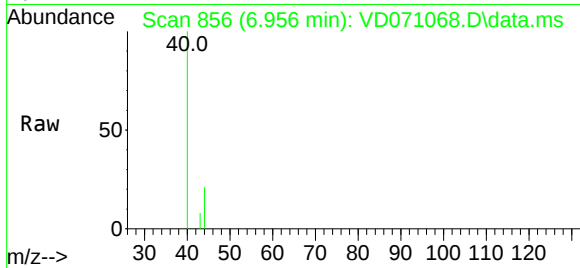
Tgt Ion: 43 Resp: 73
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



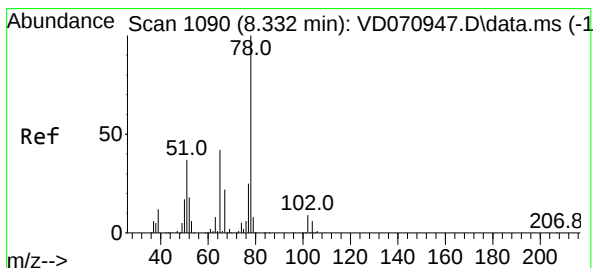
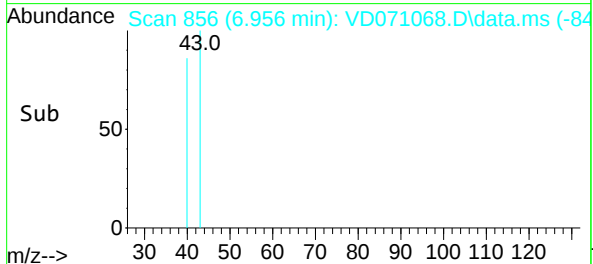
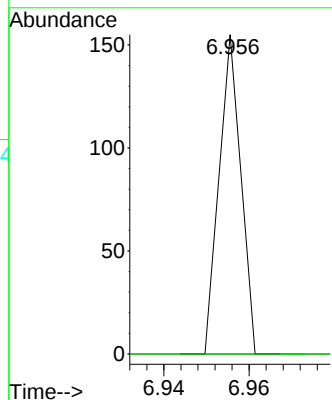


#25
2-Butanone
Concen: 26.882 ug/l
RT: 6.956 min Scan# 81
Delta R.T. -0.253 min
Lab File: VD071068.D
Acq: 19 Nov 2021 20:37

Instrument :
MSVOA_D
ClientSampleId :

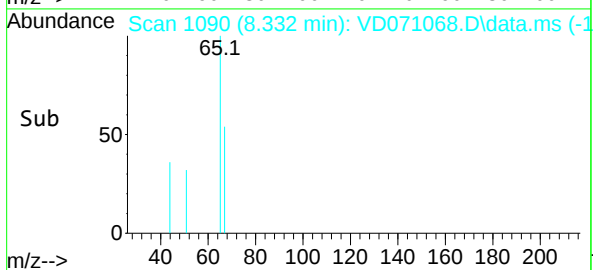
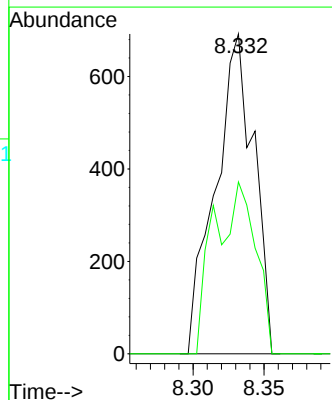
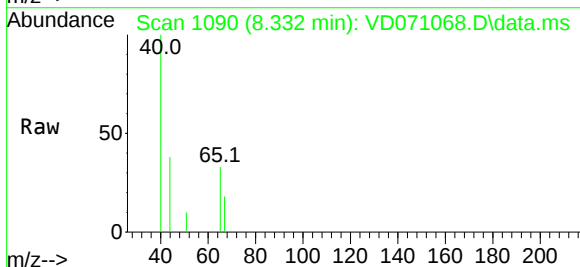


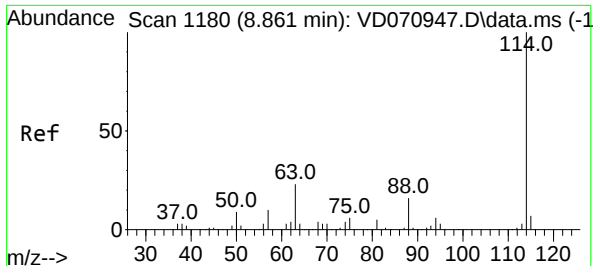
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#33
1,2-Dichloroethane-d4
Concen: 58.640 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD071068.D
Acq: 19 Nov 2021 20:37

Tgt Ion: 65 Resp: 1303
Ion Ratio Lower Upper
65 100
67 36.9 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.867 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD071068.D

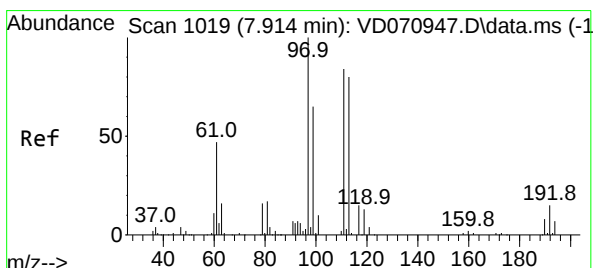
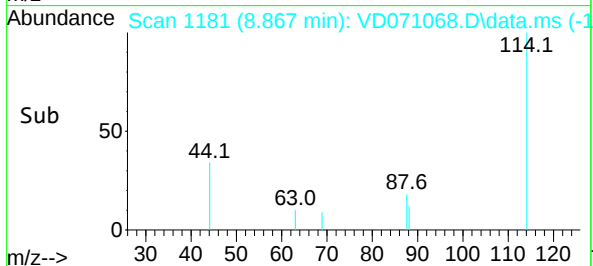
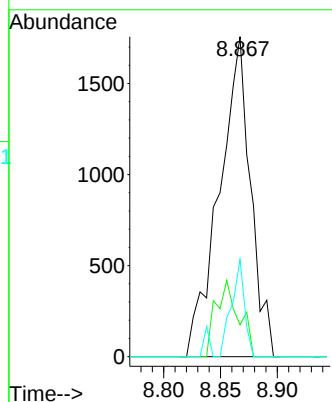
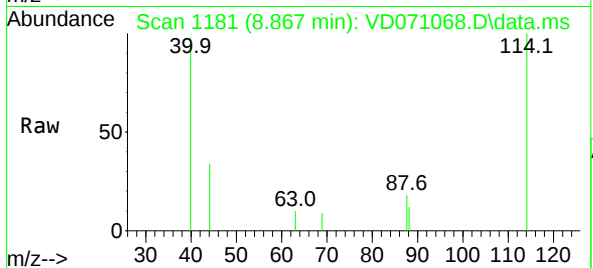
Acq: 19 Nov 2021 20:37

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:114	Resp:	3362
Ion Ratio	Lower	Upper
114	100	
63	10.0	0.0 41.8
88	30.3	0.0 32.8



#35

Dibromofluoromethane

Concen: 43.962 ug/l

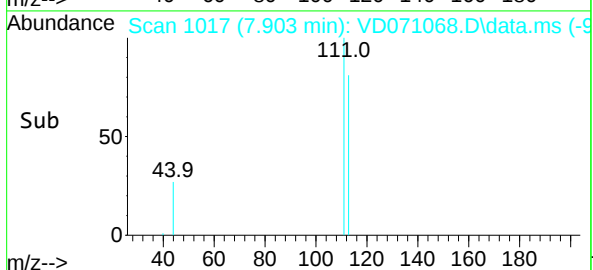
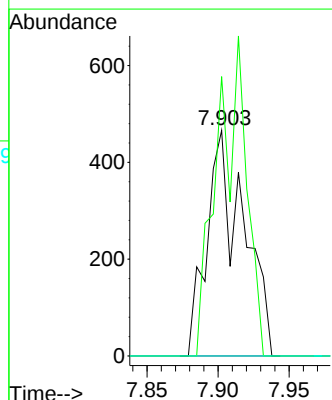
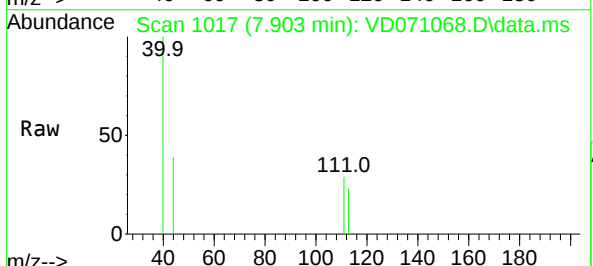
RT: 7.903 min Scan# 1017

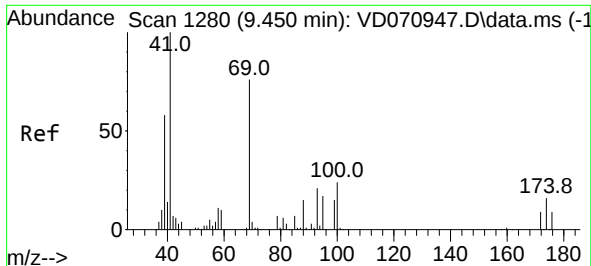
Delta R.T. -0.011 min

Lab File: VD071068.D

Acq: 19 Nov 2021 20:37

Tgt Ion:113	Resp:	834
Ion Ratio	Lower	Upper
113	100	
111	61.9	82.0 123.0#
192	0.0	15.2 22.8#





#48

Methyl methacrylate

Concen: 4.361 ug/l

RT: 9.326 min Scan# 11

Delta R.T. -0.124 min MSVOA_D

Lab File: VD071068.D

Acq: 19 Nov 2021 20:37

Instrument :

MSVOA_D

ClientSampleId :

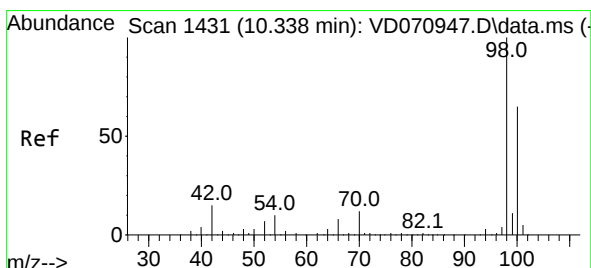
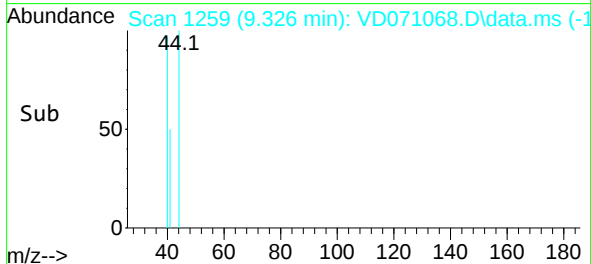
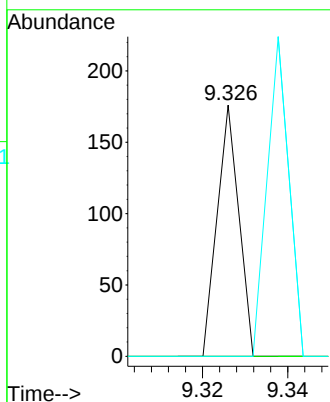
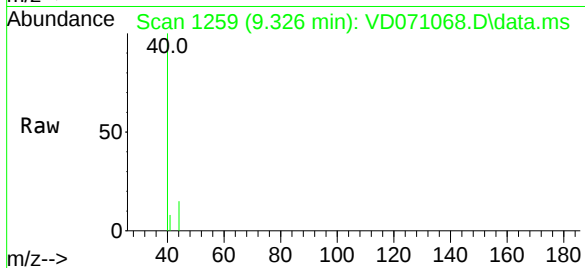
Tgt Ion: 41 Resp: 62

Ion Ratio Lower Upper

41 100

69 0.0 69.8 104.6#

39 127.4 35.6 53.4#



#50

Toluene-d8

Concen: 51.497 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD071068.D

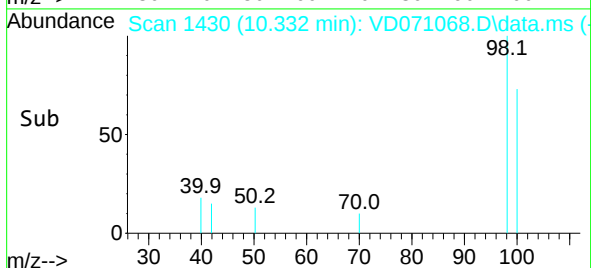
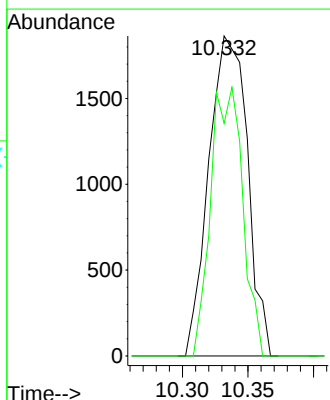
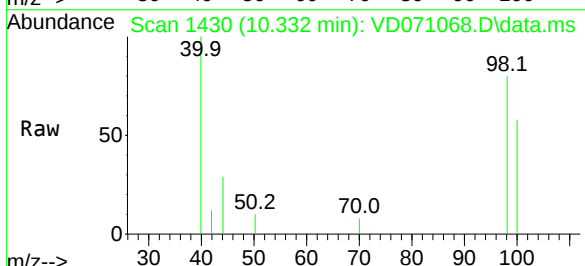
Acq: 19 Nov 2021 20:37

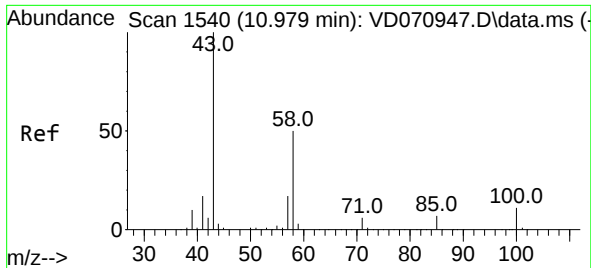
Tgt Ion: 98 Resp: 3826

Ion Ratio Lower Upper

98 100

100 69.2 51.8 77.6

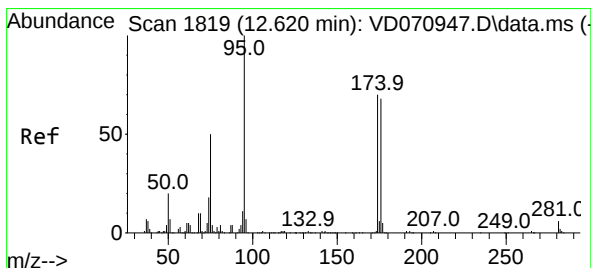
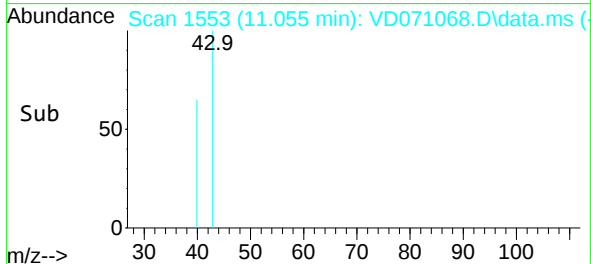
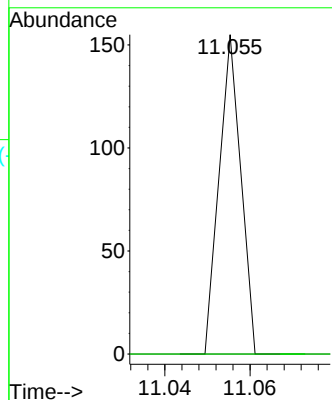
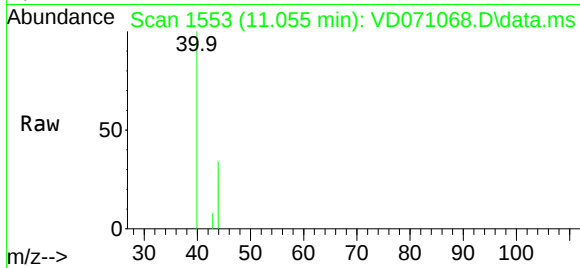




#59
2-Hexanone
Concen: 20.621 ug/l
RT: 11.055 min Scan# 11
Delta R.T. 0.076 min
Lab File: VD071068.D
Acq: 19 Nov 2021 20:37

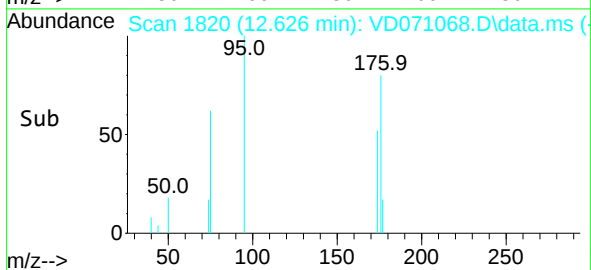
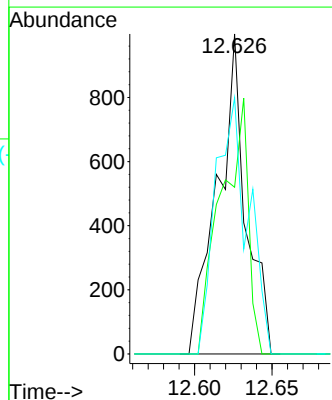
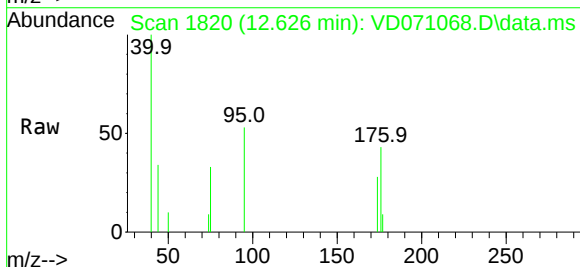
Instrument :
MSVOA_D
ClientSampleId :

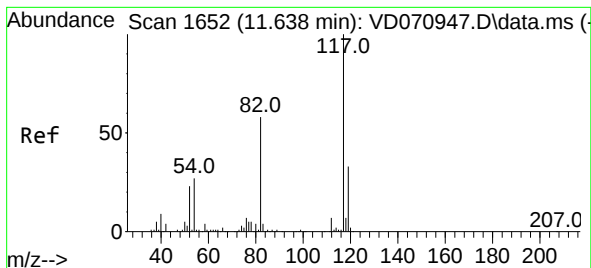
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 47.587 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD071068.D
Acq: 19 Nov 2021 20:37

Tgt Ion: 95 Resp: 1273
Ion Ratio Lower Upper
95 100
174 76.4 0.0 159.4
176 91.0 0.0 154.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1

Delta R.T. -0.000 min

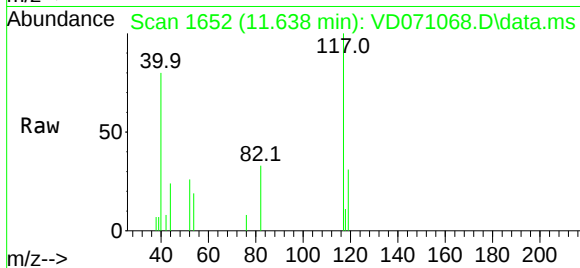
Lab File: VD071068.D

Acq: 19 Nov 2021 20:37

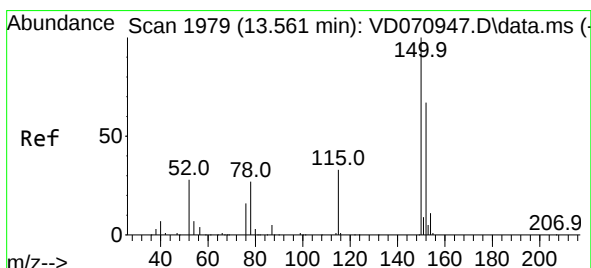
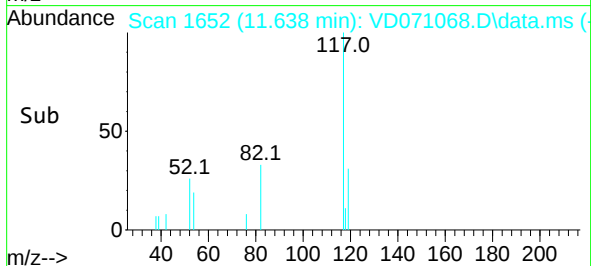
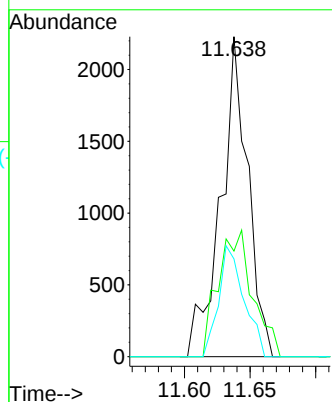
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	117	Resp:	3192
Ion	Ratio	Lower	Upper
117	100		
82	33.0	44.7	67.1#
119	30.6	26.2	39.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

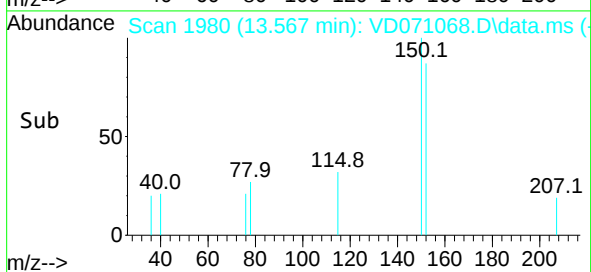
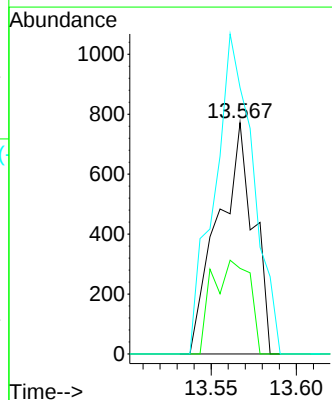
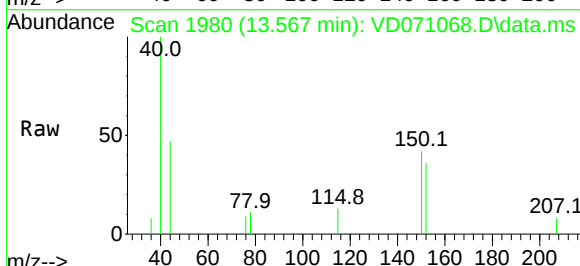
RT: 13.567 min Scan# 1980

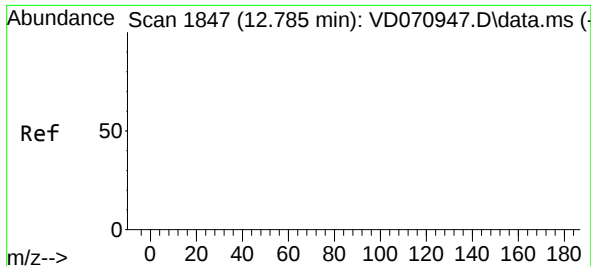
Delta R.T. 0.006 min

Lab File: VD071068.D

Acq: 19 Nov 2021 20:37

Tgt Ion:	152	Resp:	1115
Ion	Ratio	Lower	Upper
152	100		
115	42.9	29.8	89.3
150	151.5	0.0	349.2

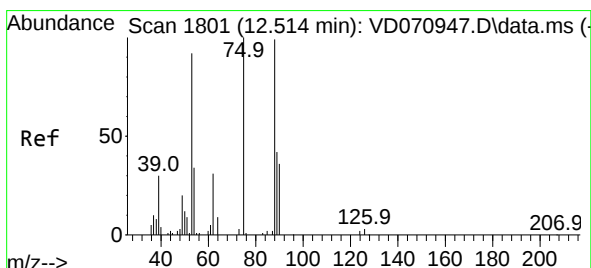
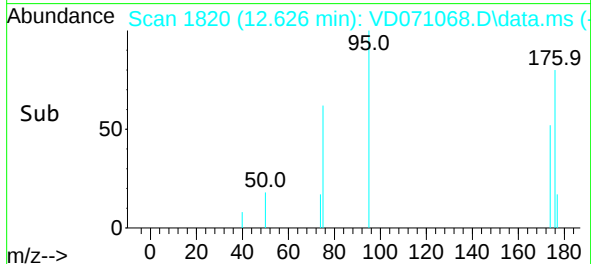
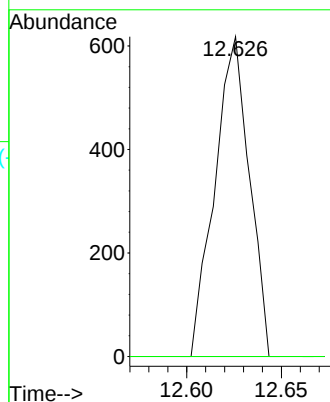
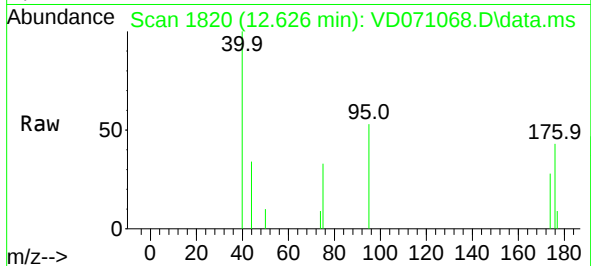




#76
1,2,3-Trichloropropane
Concen: 82.420 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.159 min
Lab File: VD071068.D
Acq: 19 Nov 2021 20:37

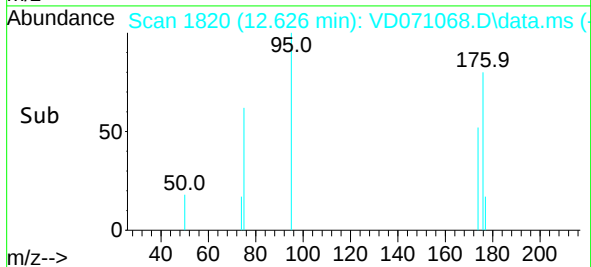
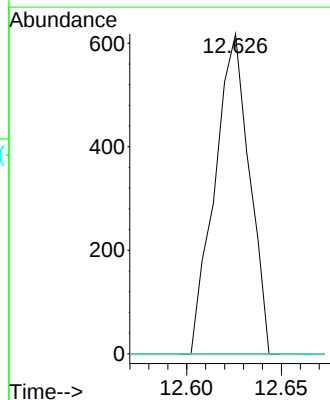
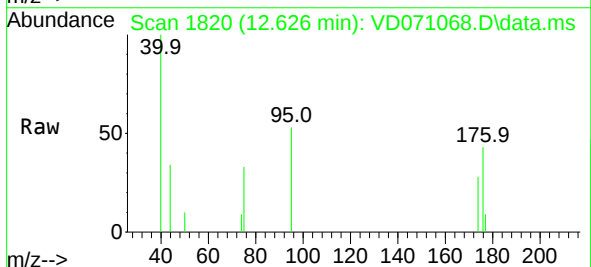
Instrument :
MSVOA_D
ClientSampleId :

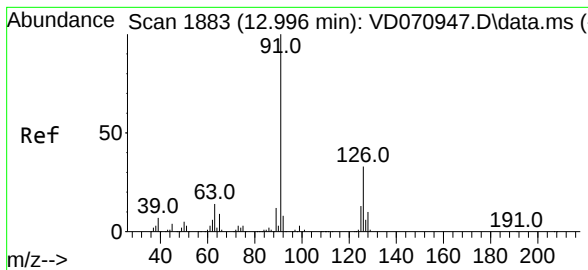
Tgt Ion: 75 Resp: 785
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 151.470 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.112 min
Lab File: VD071068.D
Acq: 19 Nov 2021 20:37

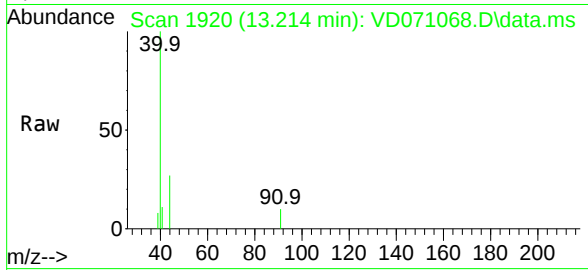
Tgt Ion: 75 Resp: 785
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#





#82
 4-Chlorotoluene
 Concen: 1.144 ug/l
 RT: 13.214 min Scan# 19
 Delta R.T. 0.218 min
 Lab File: VD071068.D
 Acq: 19 Nov 2021 20:37

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 91 Resp: 67
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.4 49.1#

