

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022621\
 Data File : VD068460.D
 Acq On : 26 Feb 2021 16:57
 Operator : VA/SY
 Sample : M1477-01
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11995

Quant Time: Feb 26 21:48:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 14:04:14 2021
 Response via : Initial Calibration

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

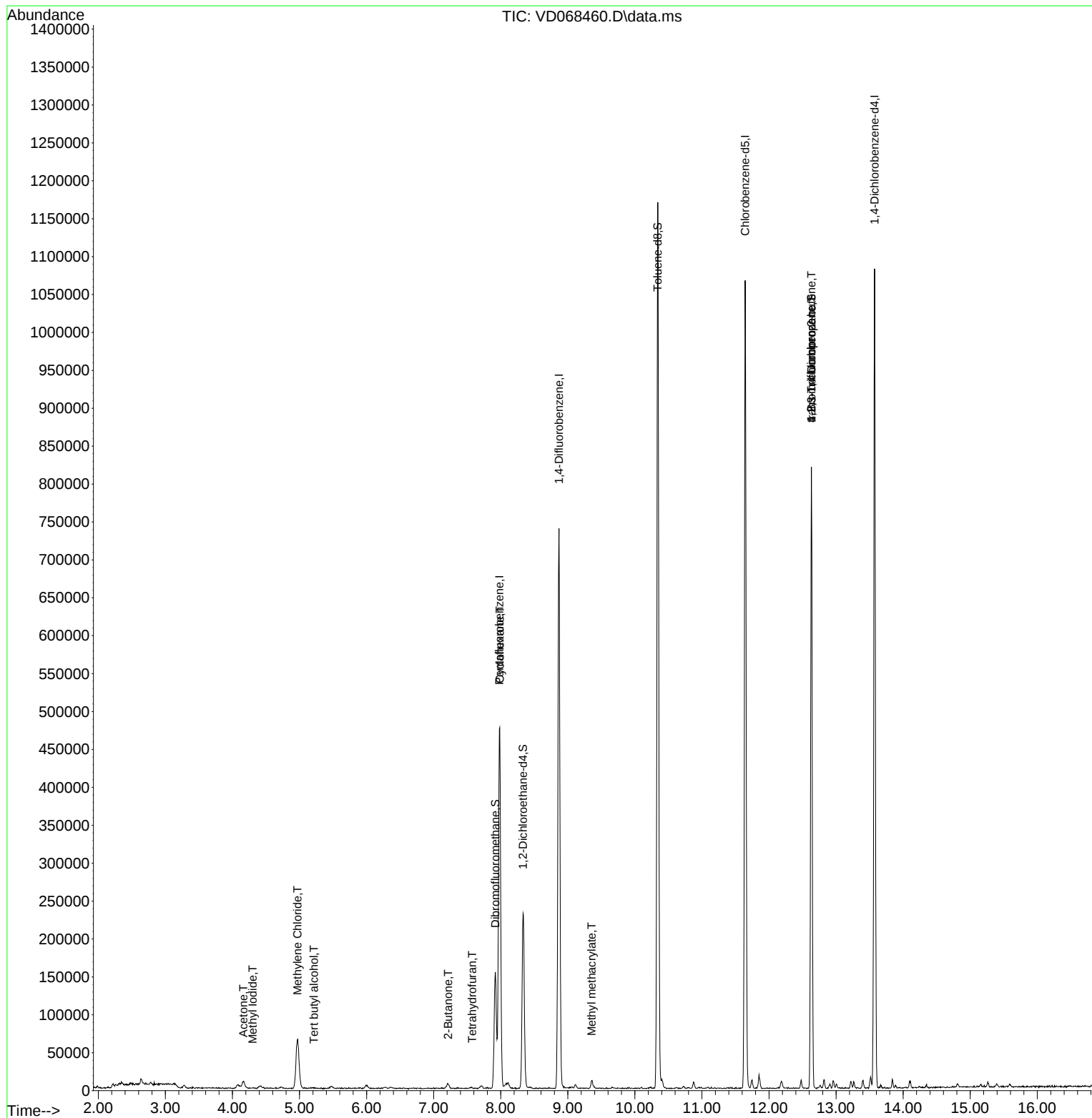
Internal Standards						
1) Pentafluorobenzene	7.979	168	364480	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	676286	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	629037	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	286289	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	188078	51.65	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.30%
35) Dibromofluoromethane	7.920	113	111102	27.27	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	54.54%
50) Toluene-d8	10.338	98	851808	52.49	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.98%
62) 4-Bromofluorobenzene	12.632	95	269886	51.61	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	103.22%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	989	2.83	ug/l #	78
11) Tert butyl alcohol	5.214	59	253	1.30	ug/l #	74
16) Acetone	4.162	43	17116	29.59	ug/l	96
20) Methylene Chloride	4.967	84	55242	9.39	ug/l	97
25) 2-Butanone	7.214	43	962	1.16	ug/l #	43
29) Tetrahydrofuran	7.573	42	578	1.07	ug/l #	41
31) Cyclohexane	7.985	56	10372	1.57	ug/l #	32
48) Methyl methacrylate	9.355	41	2302	1.10	ug/l #	49
76) 1,2,3-Trichloropropane	12.632	75	137070	53.93	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	137070	125.86	ug/l #	13

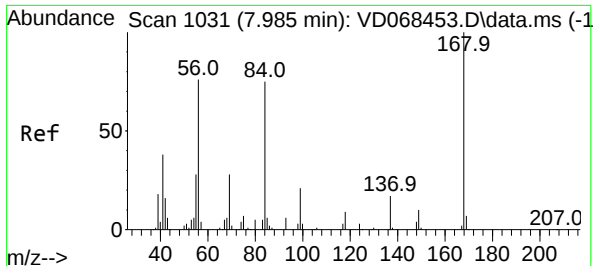
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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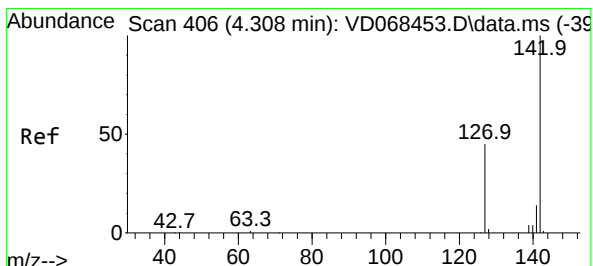
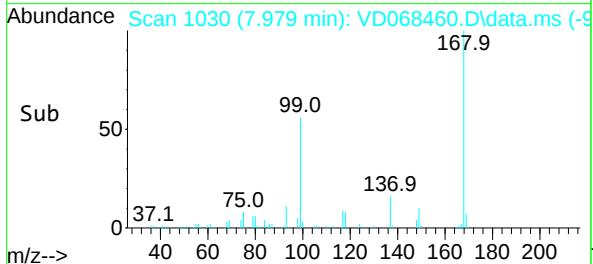
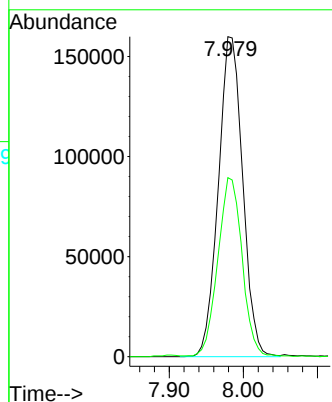
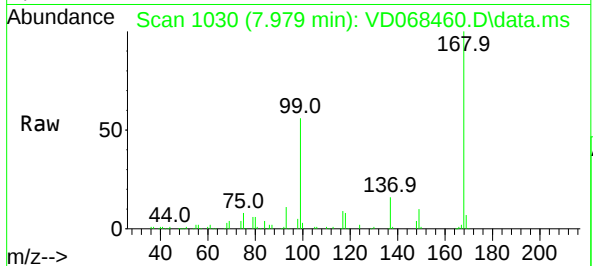




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068460.D
Acq: 26 Feb 2021 16:57

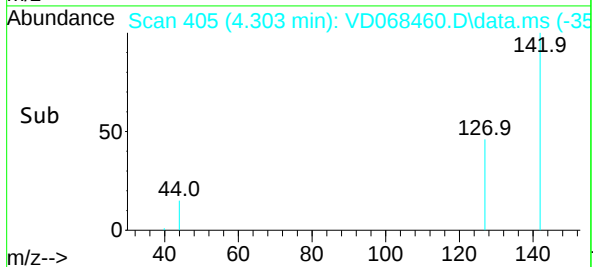
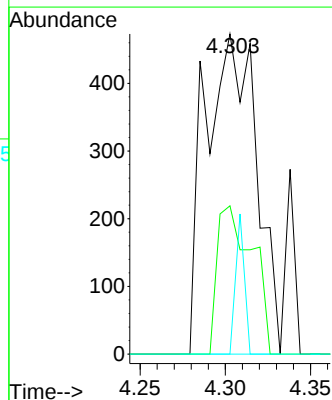
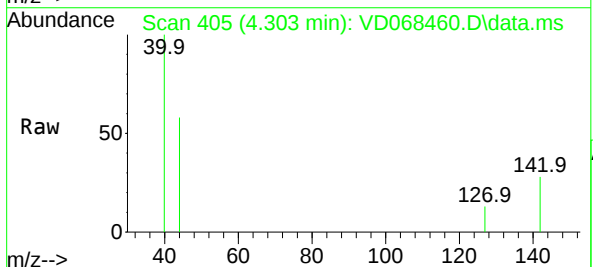
Instrument :
MSVOA_D
ClientSampleId :
72-11995

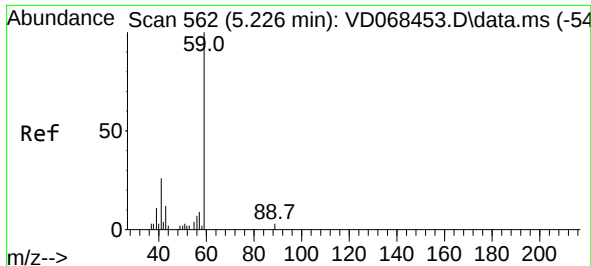
Tgt Ion:168 Resp: 364480
Ion Ratio Lower Upper
168 100
99 55.7 43.5 65.3



#10
Methyl Iodide
Concen: 2.83 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.005 min
Lab File: VD068460.D
Acq: 26 Feb 2021 16:57

Tgt Ion:142 Resp: 989
Ion Ratio Lower Upper
142 100
127 31.9 37.9 56.9#
141 7.4 11.5 17.3#

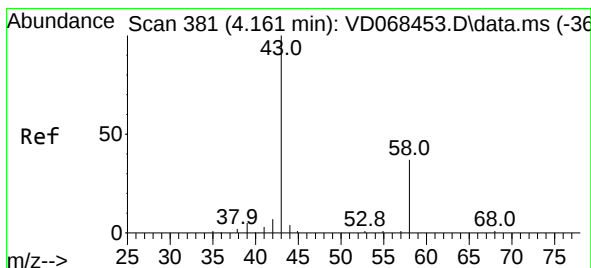
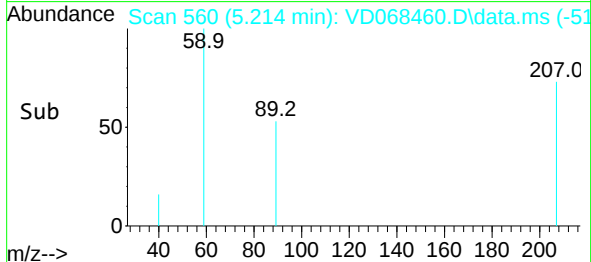
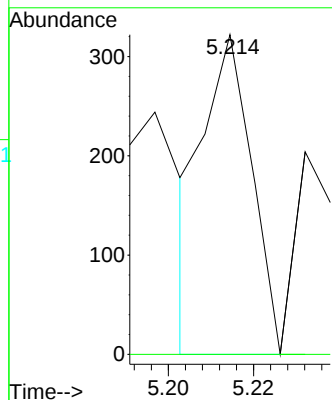
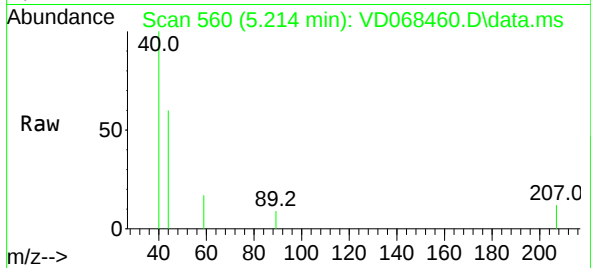




#11
Tert butyl alcohol
Concen: 1.30 ug/l
RT: 5.214 min Scan# 560
Delta R.T. -0.011 min
Lab File: VD068460.D
Acq: 26 Feb 2021 16:57

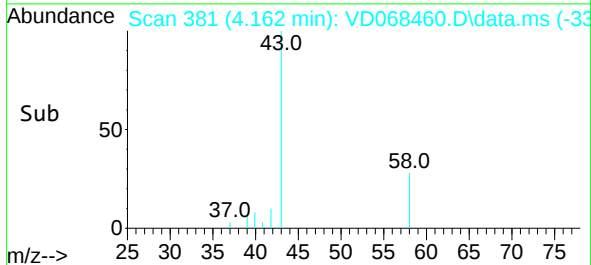
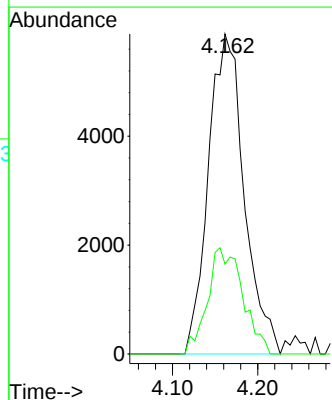
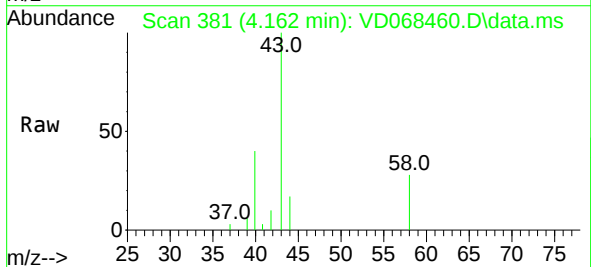
Instrument :
MSVOA_D
ClientSampleId :
72-11995

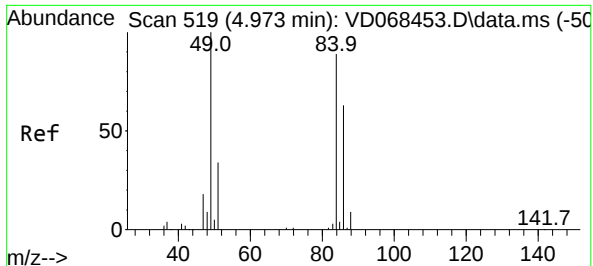
Tgt Ion: 59 Resp: 253
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 29.59 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068460.D
Acq: 26 Feb 2021 16:57

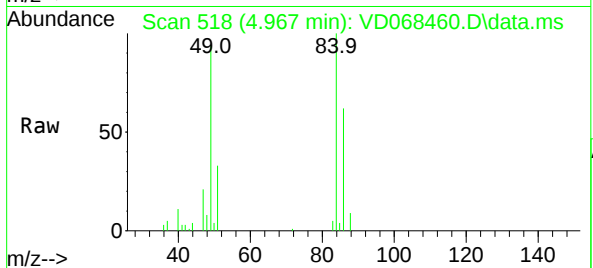
Tgt Ion: 43 Resp: 17116
Ion Ratio Lower Upper
43 100
58 28.1 24.2 36.4



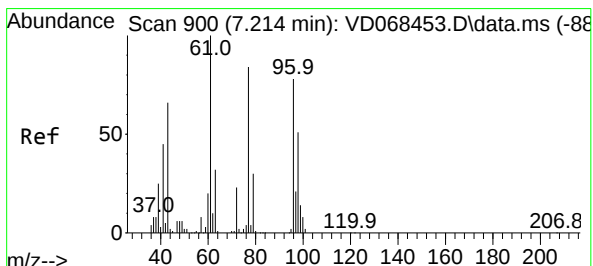
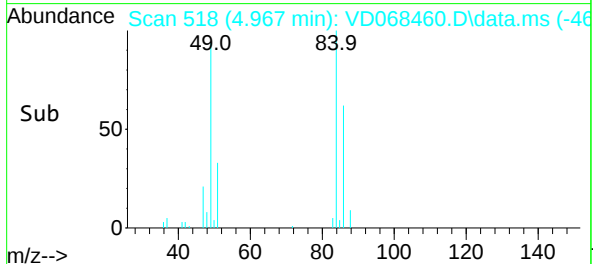
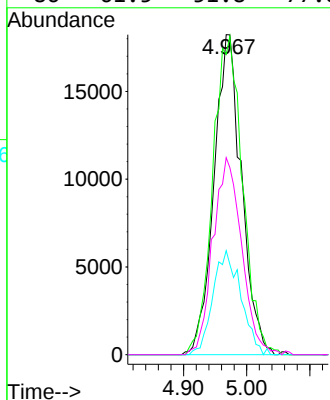


#20
Methylene Chloride
Concen: 9.39 ug/l
RT: 4.967 min Scan# 518
Delta R.T. -0.006 min
Lab File: VD068460.D
Acq: 26 Feb 2021 16:57

Instrument :
MSVOA_D
ClientSampleId :
72-11995

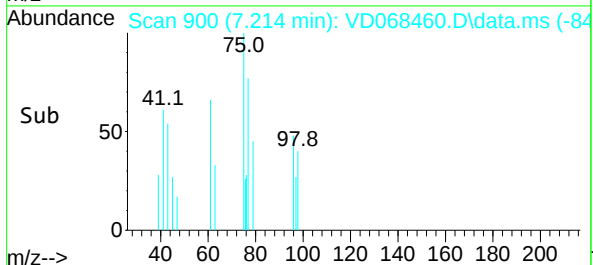
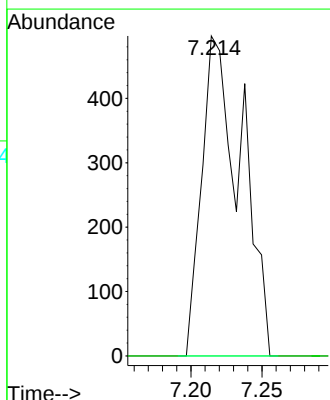
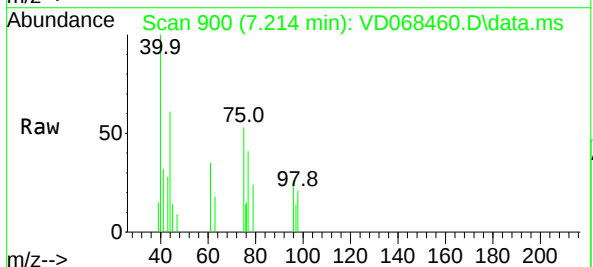


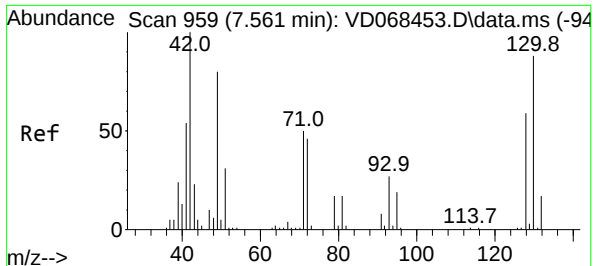
Tgt Ion:	84	Resp:	55242
Ion	Ratio	Lower	Upper
84	100		
49	93.9	77.4	116.2
51	32.5	26.1	39.1
86	61.5	51.8	77.8



#25
2-Butanone
Concen: 1.16 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD068460.D
Acq: 26 Feb 2021 16:57

Tgt Ion:	43	Resp:	962
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.1	37.7#





#29

Tetrahydrofuran

Concen: 1.07 ug/l

RT: 7.573 min Scan# 961

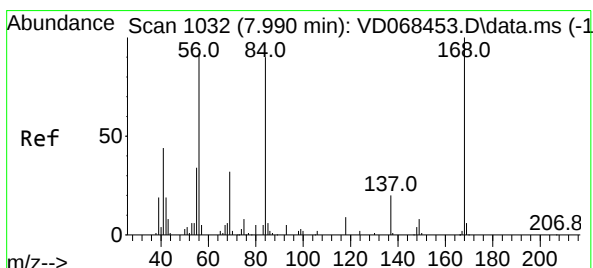
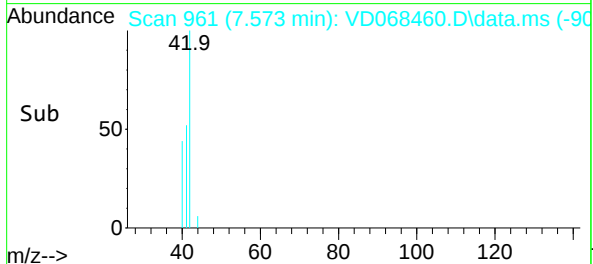
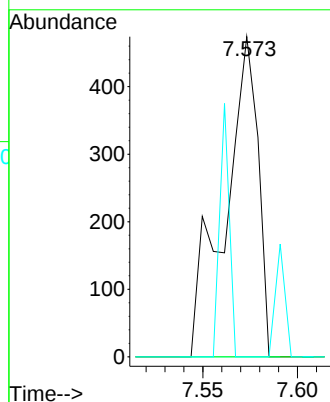
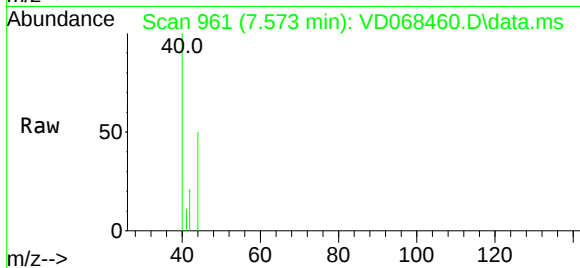
Delta R.T. 0.012 min

Lab File: VD068460.D

Acq: 26 Feb 2021 16:57

Tgt Ion:	42	Resp:	578
Ion	Ratio	Lower	Upper
42	100		
72	0.0	43.4	65.0#
71	22.8	40.8	61.2#

Instrument :
MSVOA_D
ClientSampleId :
72-11995



#31

Cyclohexane

Concen: 1.57 ug/l

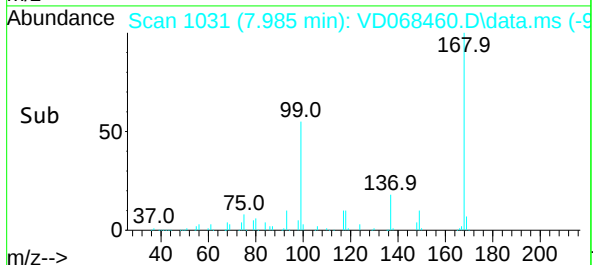
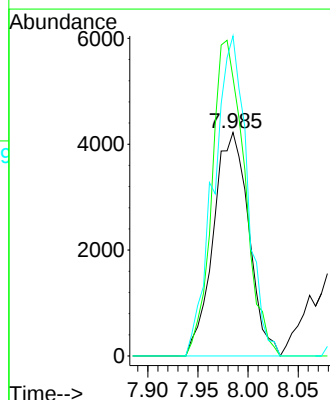
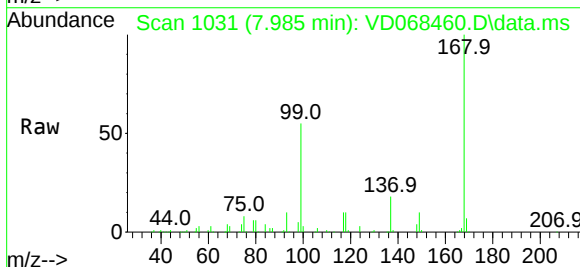
RT: 7.985 min Scan# 1031

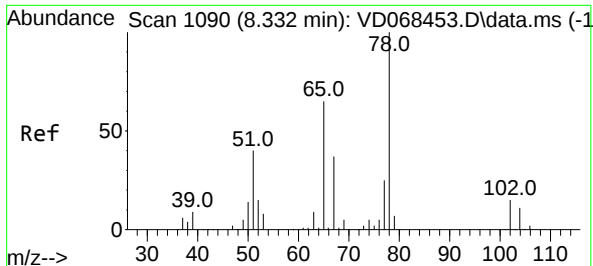
Delta R.T. -0.006 min

Lab File: VD068460.D

Acq: 26 Feb 2021 16:57

Tgt Ion:	56	Resp:	10372
Ion	Ratio	Lower	Upper
56	100		
69	124.4	30.1	45.1#
84	143.2	82.1	123.1#





#33

1,2-Dichloroethane-d4

Concen: 51.65 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. 0.000 min

Lab File: VD068460.D

Acq: 26 Feb 2021 16:57

Tgt Ion: 65 Resp: 188078

Ion Ratio Lower Upper

65 100

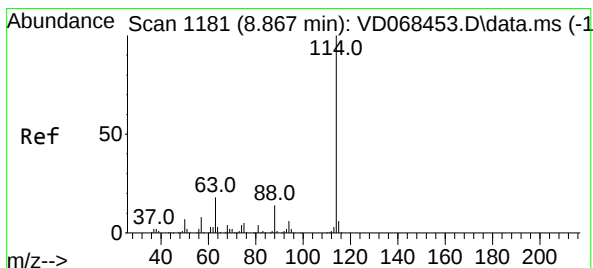
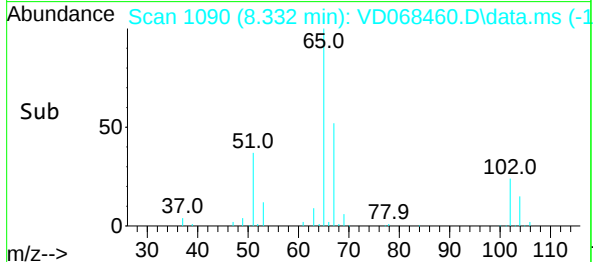
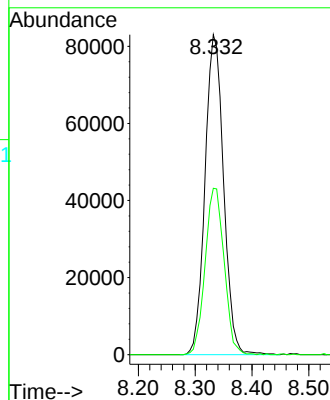
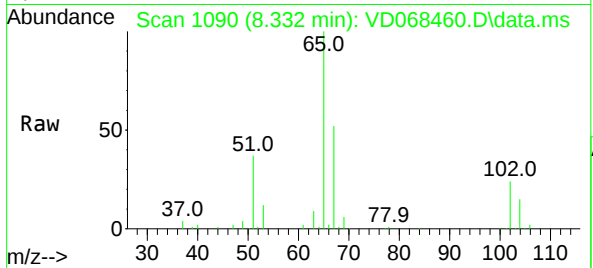
67 53.2 0.0 105.0

Instrument :

MSVOA_D

ClientSampleId :

72-11995



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.000 min

Lab File: VD068460.D

Acq: 26 Feb 2021 16:57

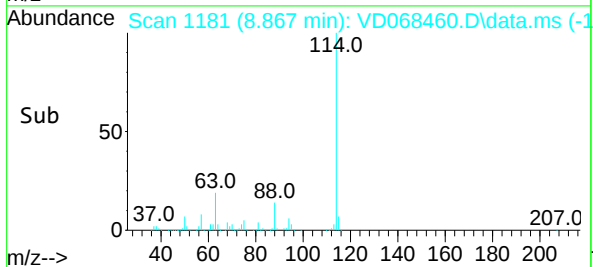
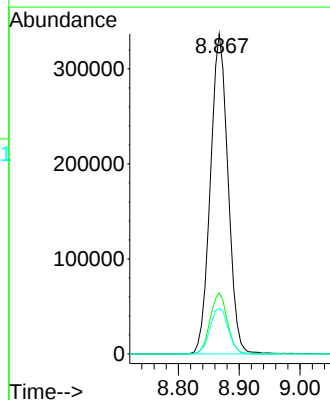
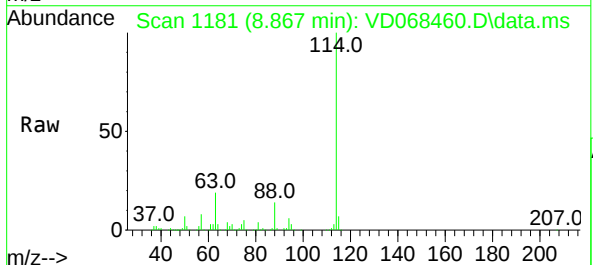
Tgt Ion: 114 Resp: 676286

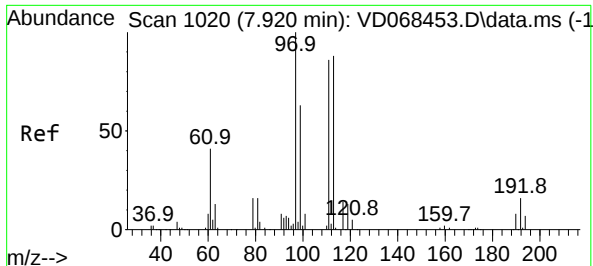
Ion Ratio Lower Upper

114 100

63 19.1 0.0 34.8

88 14.2 0.0 31.6





#35

Dibromofluoromethane

Concen: 27.27 ug/l

RT: 7.920 min Scan# 1020

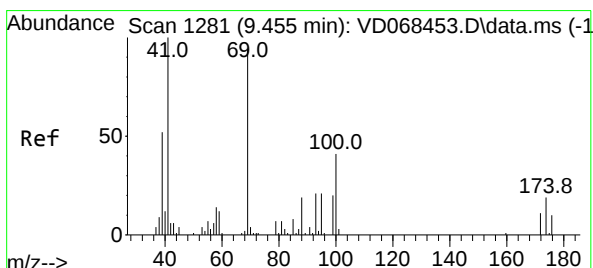
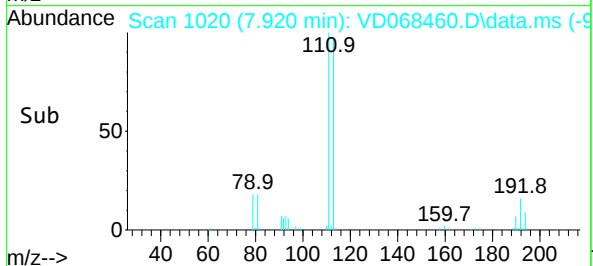
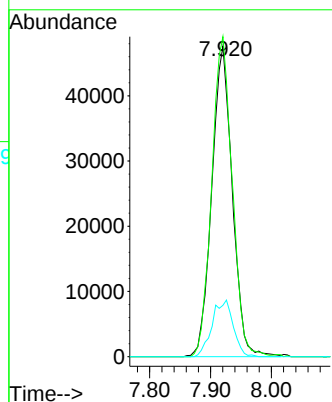
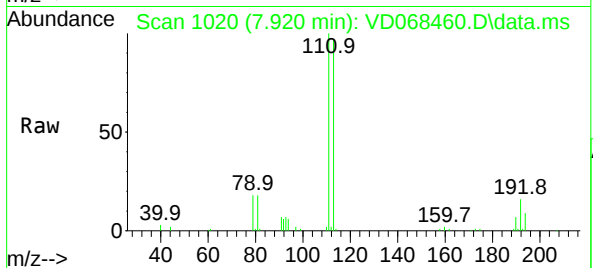
Delta R.T. 0.000 min

Lab File: VD068460.D

Acq: 26 Feb 2021 16:57

Tgt Ion:	113	Resp:	111102
Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.4	122.0
192	18.8	16.1	24.1

Instrument :
MSVOA_D
ClientSampleId :
72-11995



#48

Methyl methacrylate

Concen: 1.10 ug/l

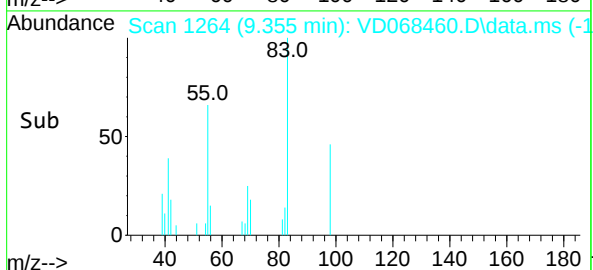
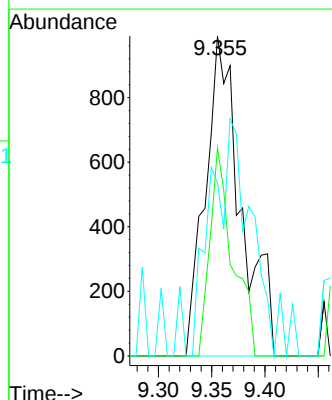
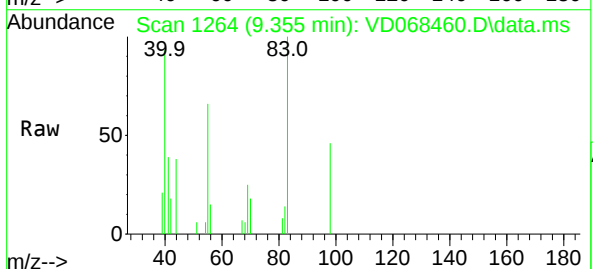
RT: 9.355 min Scan# 1264

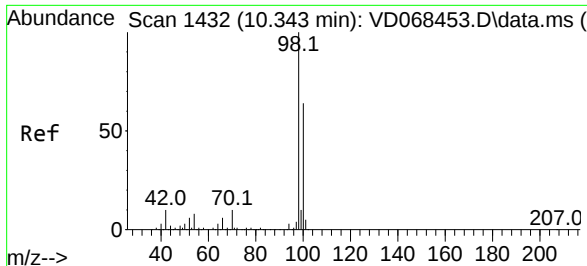
Delta R.T. -0.100 min

Lab File: VD068460.D

Acq: 26 Feb 2021 16:57

Tgt Ion:	41	Resp:	2302
Ion	Ratio	Lower	Upper
41	100		
69	41.7	77.1	115.7#
39	81.1	41.5	62.3#

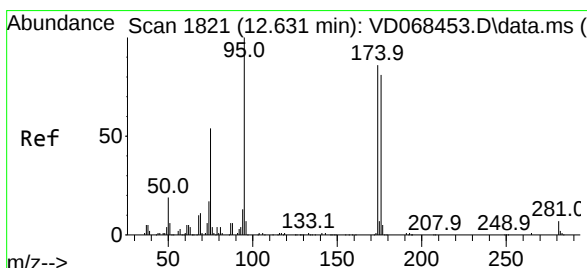
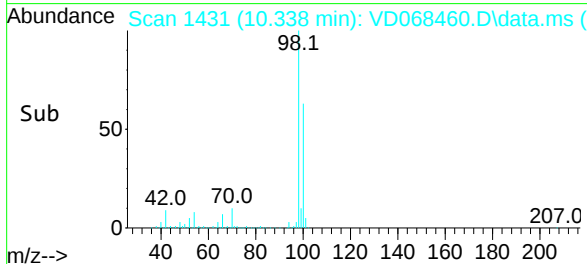
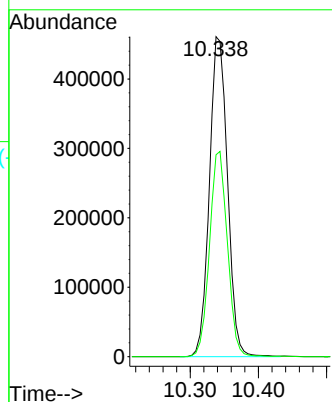
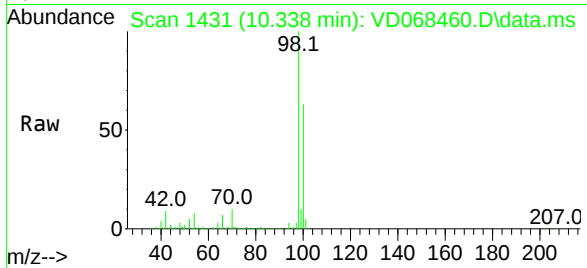




#50
Toluene-d8
Concen: 52.49 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD068460.D
Acq: 26 Feb 2021 16:57

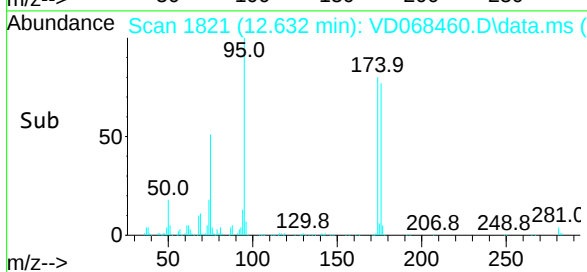
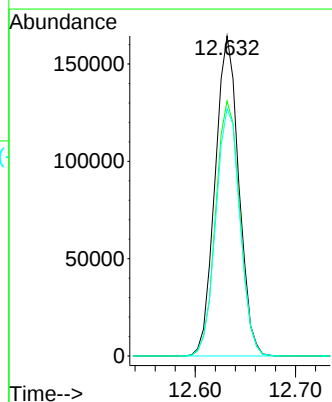
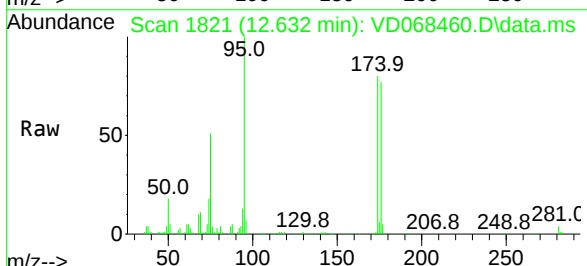
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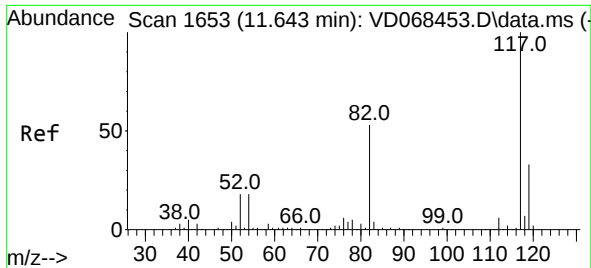
Tgt Ion: 98 Resp: 851808
Ion Ratio Lower Upper
98 100
100 63.3 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 51.61 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068460.D
Acq: 26 Feb 2021 16:57

Tgt Ion: 95 Resp: 269886
Ion Ratio Lower Upper
95 100
174 81.1 0.0 172.4
176 78.9 0.0 168.4

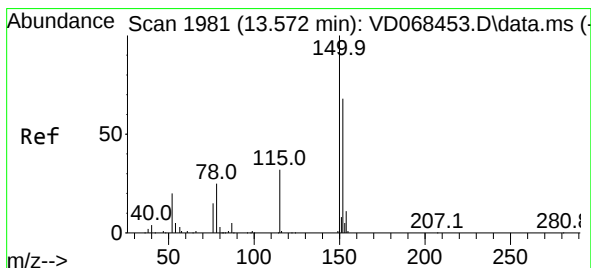
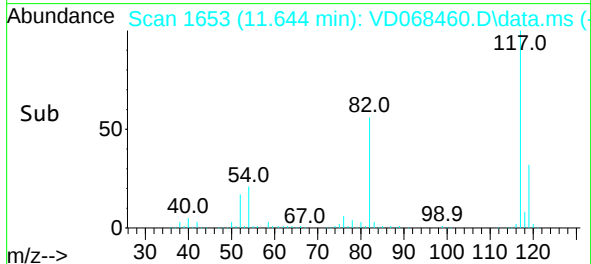
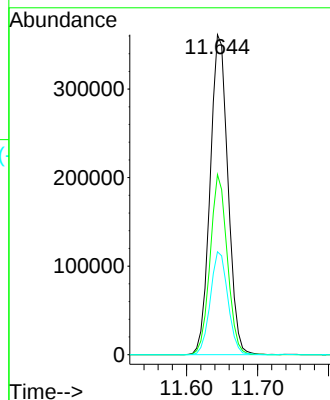
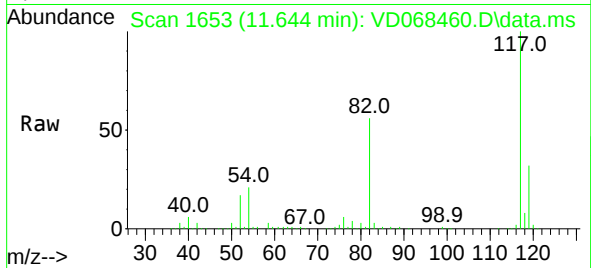




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068460.D
Acq: 26 Feb 2021 16:57

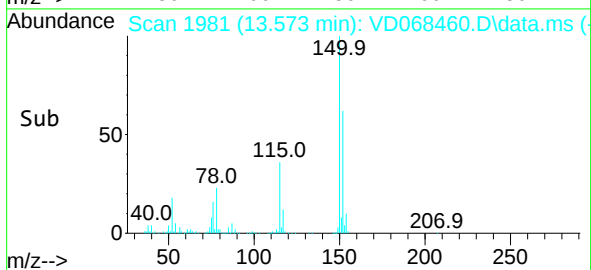
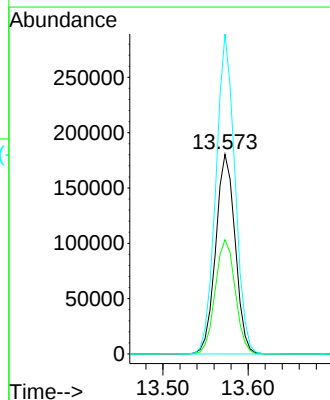
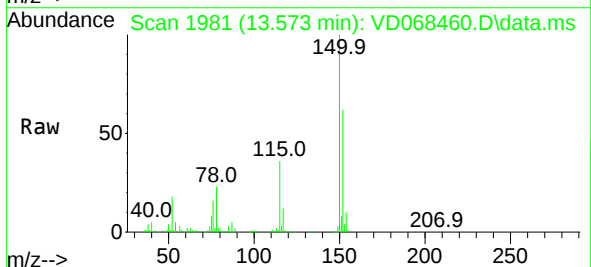
Instrument :
MSVOA_D
ClientSampleId :
72-11995

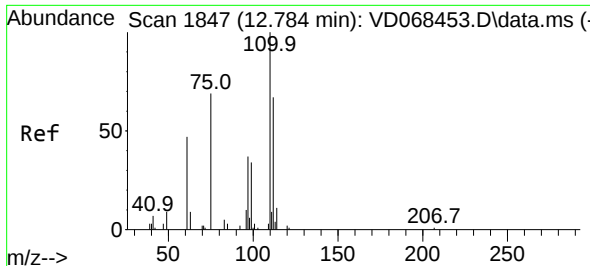
Tgt Ion:117 Resp: 629037
Ion Ratio Lower Upper
117 100
82 56.3 41.4 62.0
119 32.2 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.001 min
Lab File: VD068460.D
Acq: 26 Feb 2021 16:57

Tgt Ion:152 Resp: 286289
Ion Ratio Lower Upper
152 100
115 58.6 28.9 86.8
150 156.9 0.0 344.4

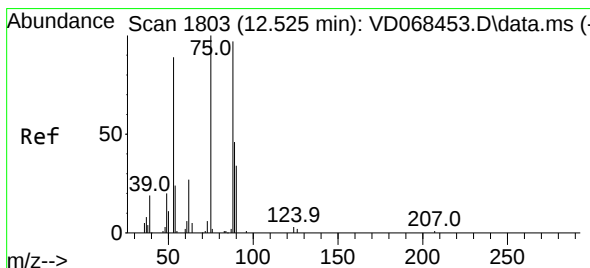
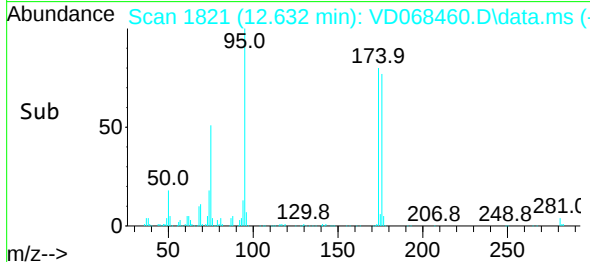
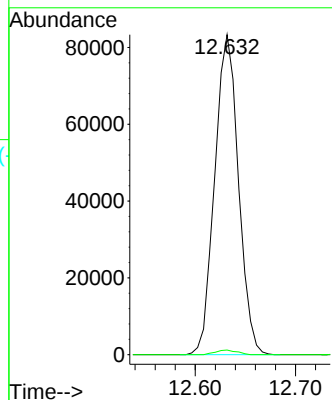
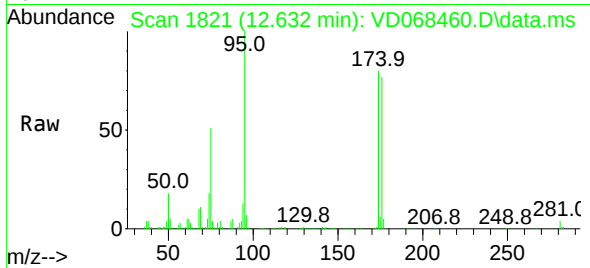




#76
1,2,3-Trichloropropane
Concen: 53.93 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.152 min
Lab File: VD068460.D
Acq: 26 Feb 2021 16:57

Instrument :
MSVOA_D
ClientSampleId :
72-11995

Tgt Ion: 75 Resp: 137070
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.86 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068460.D
Acq: 26 Feb 2021 16:57

Tgt Ion: 75 Resp: 137070
Ion Ratio Lower Upper
75 100
53 0.0 70.2 105.2#
89 0.0 40.3 60.5#

