

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042321\
 Data File : VD068970.D
 Acq On : 23 Apr 2021 16:29
 Operator : VA/SY
 Sample : M2136-01
 Misc : 5.98G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 26 09:51:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

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

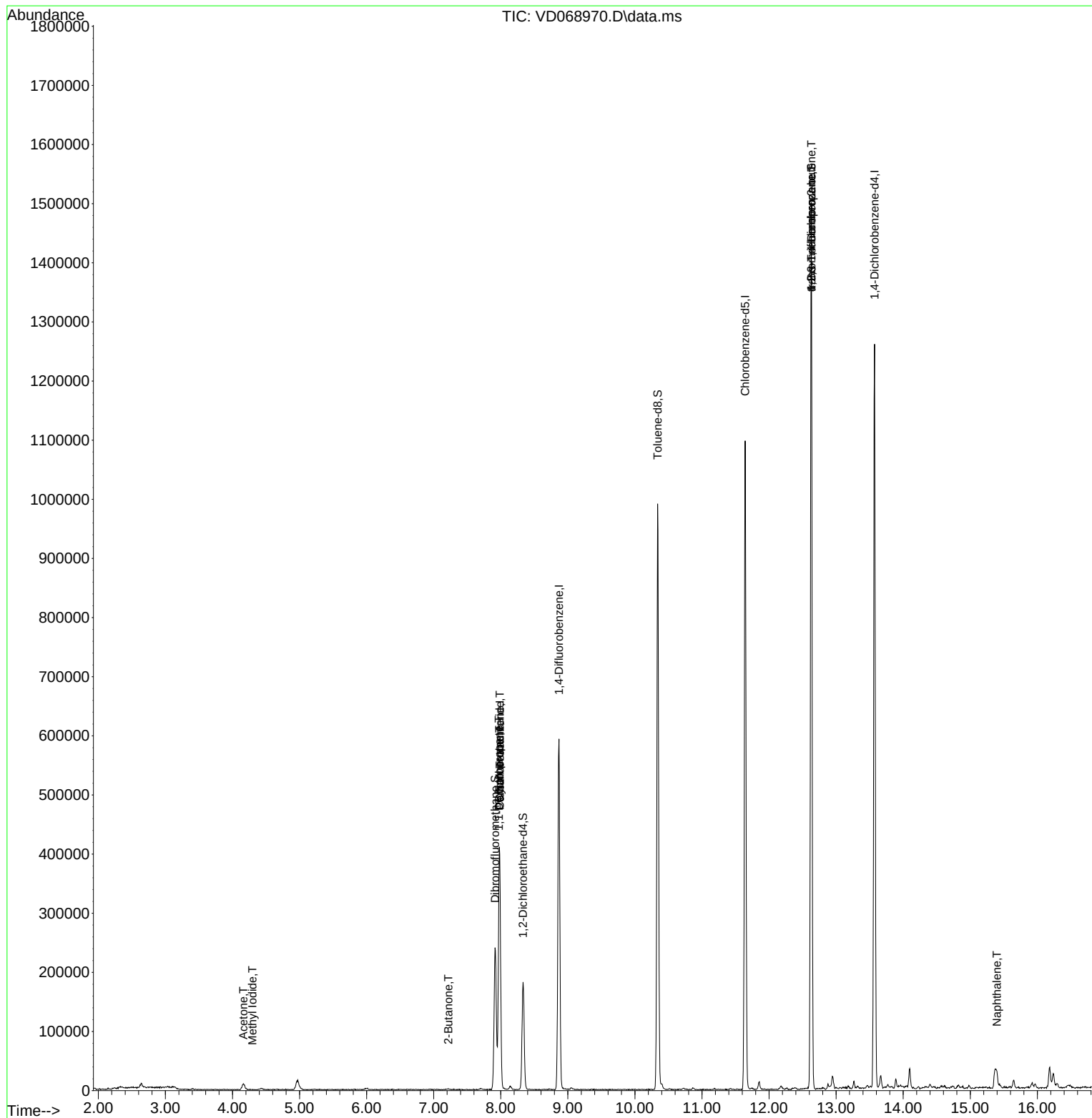
Internal Standards						
1) Pentafluorobenzene	7.985	168	323191	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	546676	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	648220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	347620	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	143709	42.07	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.14%		
35) Dibromofluoromethane	7.914	113	172891	48.62	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.24%		
50) Toluene-d8	10.338	98	687980	51.29	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.58%		
62) 4-Bromofluorobenzene	12.632	95	313760	70.43	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	140.86%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	58	2.26	ug/l #	41
11) Tert butyl alcohol	5.238	59	941	Below Cal	#	73
16) Acetone	4.161	43	18189	38.46	ug/l #	88
20) Methylene Chloride	4.973	84	13330	Below Cal	#	89
25) 2-Butanone	7.220	43	1275	1.90	ug/l #	39
31) Cyclohexane	7.979	56	6336	1.11	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	22950	4.15	ug/l #	49
38) Carbon Tetrachloride	7.985	117	31878	5.82	ug/l #	15
76) 1,2,3-Trichloropropane	12.632	75	161724	50.92	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	161724	118.18	ug/l #	16
95) Naphthalene	15.396	128	12776	1.13	ug/l #	94

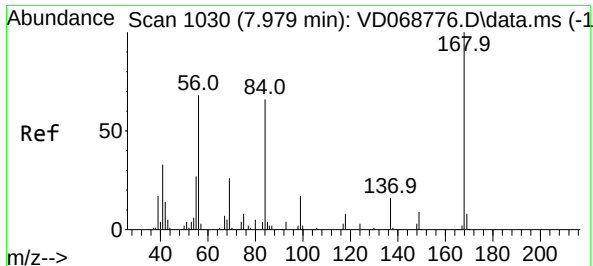
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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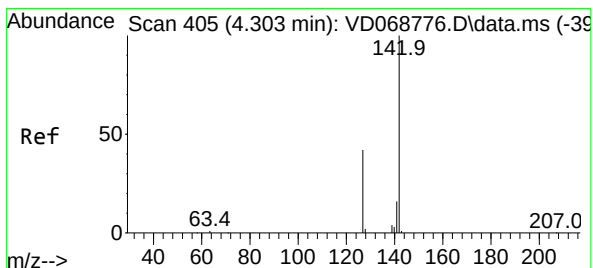
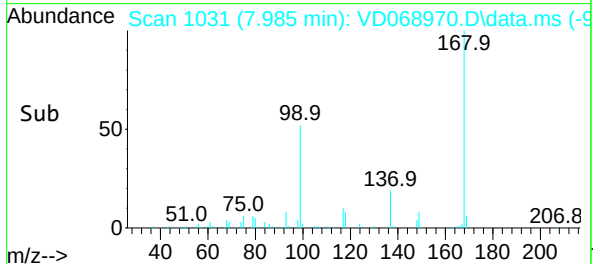
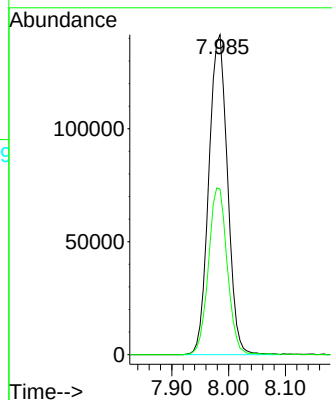
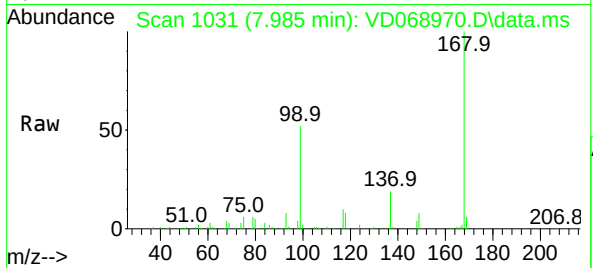




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD068970.D
Acq: 23 Apr 2021 16:29

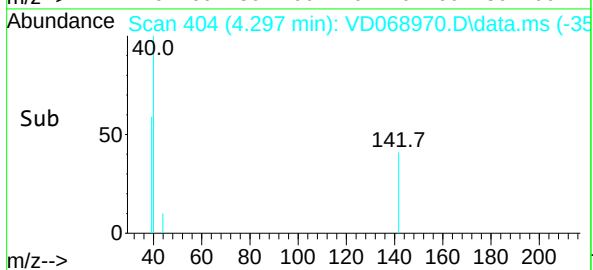
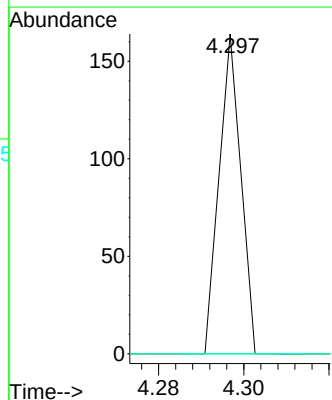
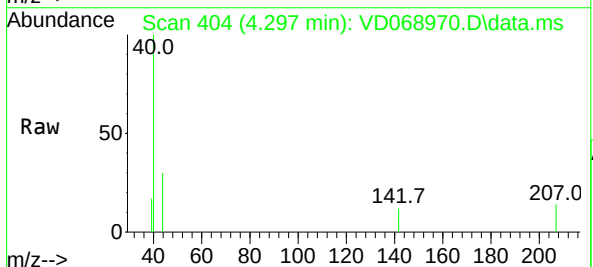
Instrument :
MSVOA_D
ClientSampled :

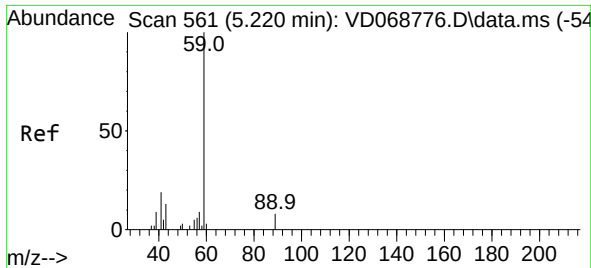
Tgt Ion:168 Resp: 323191
Ion Ratio Lower Upper
168 100
99 51.7 46.2 69.2



#10
Methyl Iodide
Concen: 2.26 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD068970.D
Acq: 23 Apr 2021 16:29

Tgt Ion:142 Resp: 58
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 0.0 11.0 16.4#

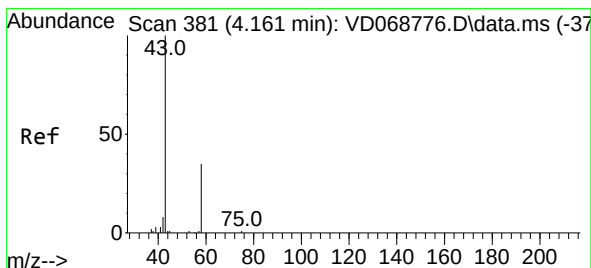
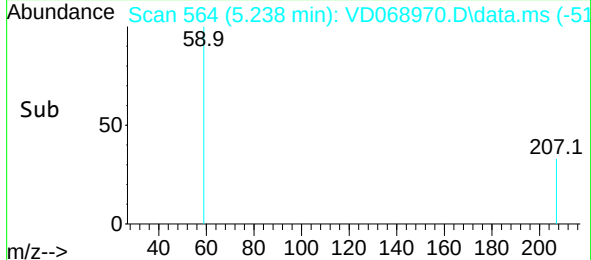
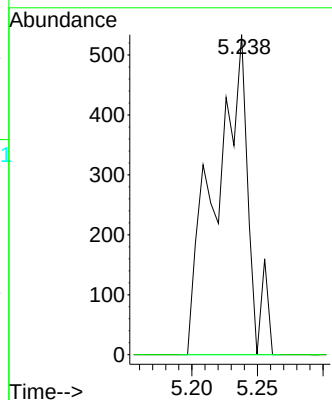
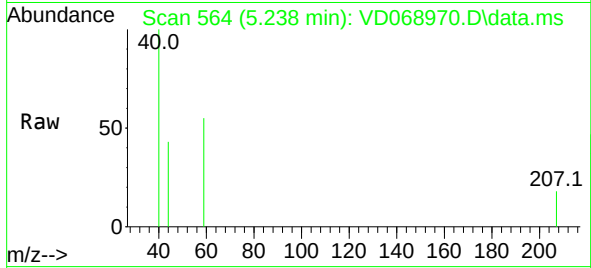




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.238 min Scan# 564
Delta R.T. 0.018 min
Lab File: VD068970.D
Acq: 23 Apr 2021 16:29

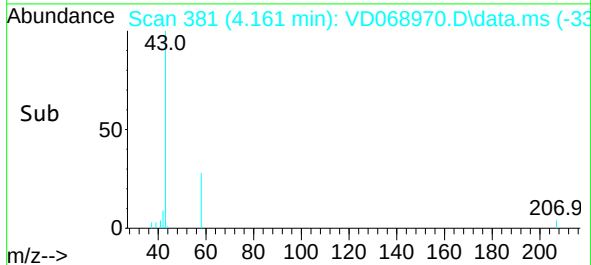
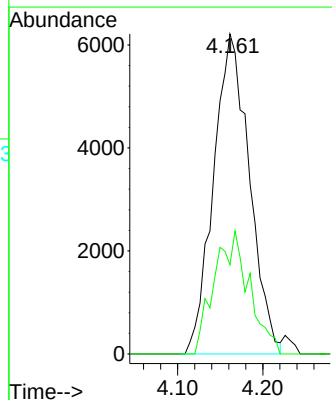
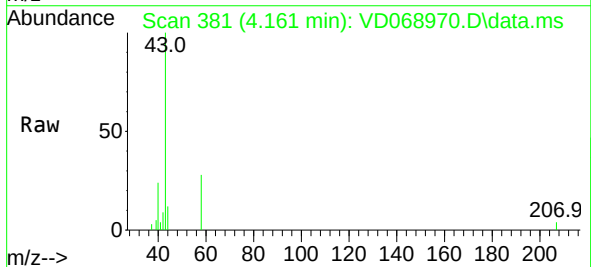
Instrument :
MSVOA_D
ClientSampled :

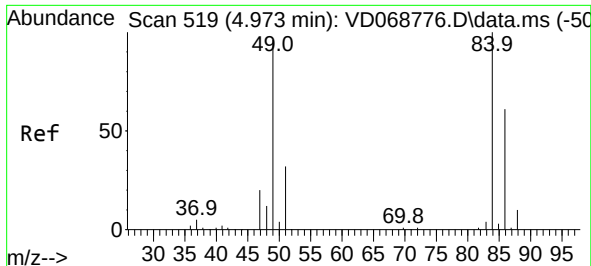
Tgt Ion: 59 Resp: 941
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 38.46 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068970.D
Acq: 23 Apr 2021 16:29

Tgt Ion: 43 Resp: 18189
Ion Ratio Lower Upper
43 100
58 27.9 28.0 42.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.973 min Scan# 519

Delta R.T. 0.000 min

Lab File: VD068970.D

Acq: 23 Apr 2021 16:29

Tgt Ion: 84 Resp: 13330

Ion Ratio Lower Upper

84 100

49 104.5 83.4 125.0

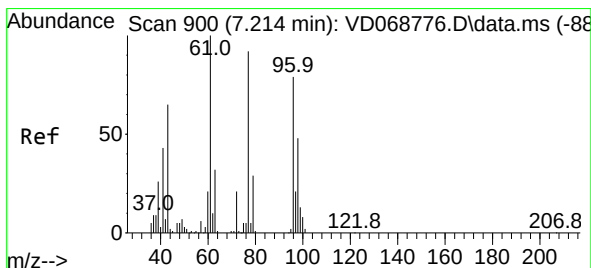
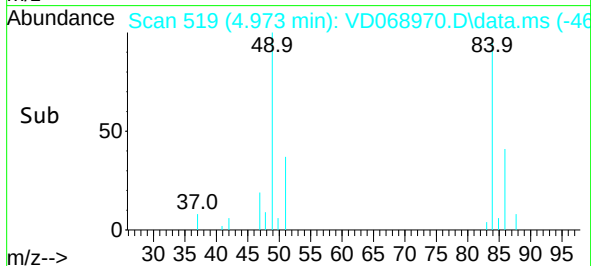
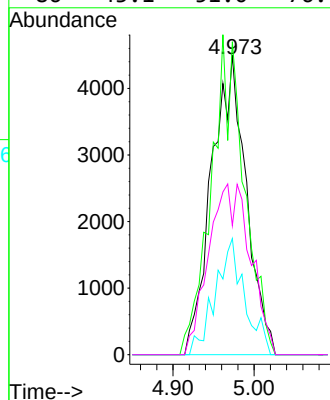
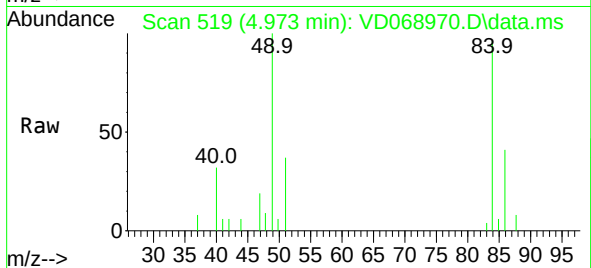
51 38.8 23.4 35.2#

86 43.1 51.0 76.4#

Instrument :

MSVOA_D

ClientSampleId :



#25

2-Butanone

Concen: 1.90 ug/l

RT: 7.220 min Scan# 901

Delta R.T. 0.006 min

Lab File: VD068970.D

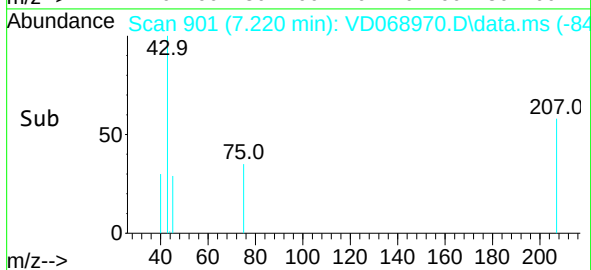
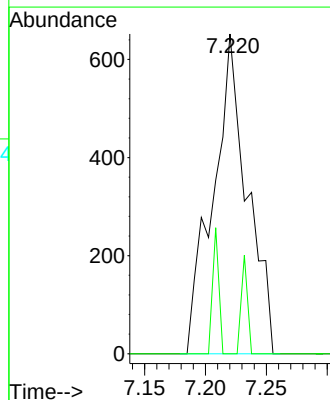
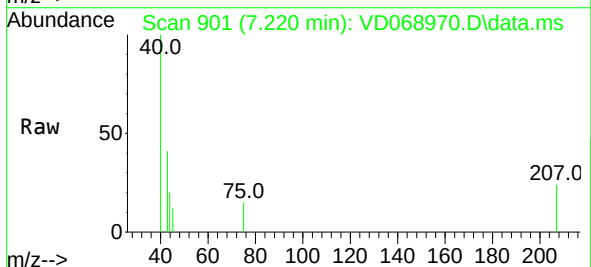
Acq: 23 Apr 2021 16:29

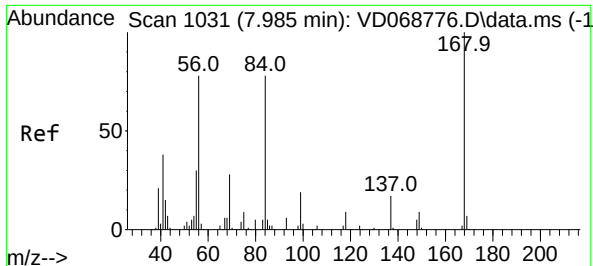
Tgt Ion: 43 Resp: 1275

Ion Ratio Lower Upper

43 100

72 0.0 28.6 43.0#





#31

Cyclohexane

Concen: 1.11 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD068970.D

Acq: 23 Apr 2021 16:29

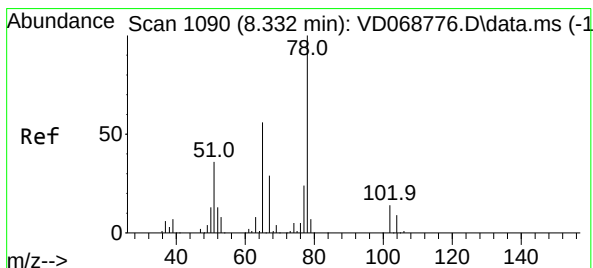
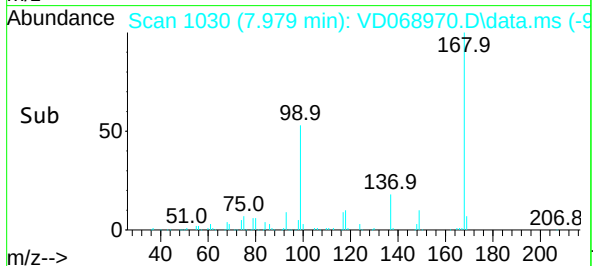
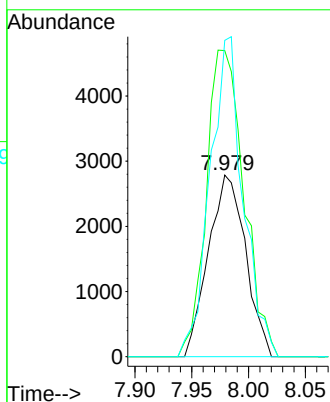
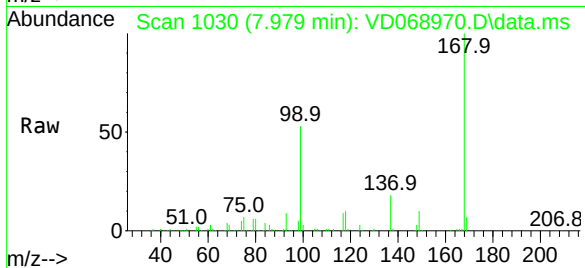
Tgt Ion: 56 Resp: 6336

Ion Ratio Lower Upper

56 100

69 168.5 30.0 45.0#

84 174.2 82.0 123.0#



#33

1,2-Dichloroethane-d4

Concen: 42.07 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. -0.000 min

Lab File: VD068970.D

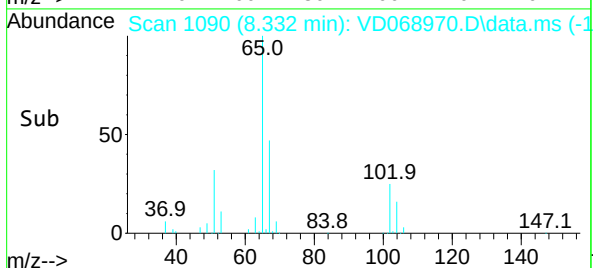
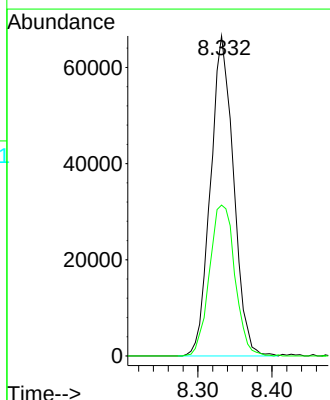
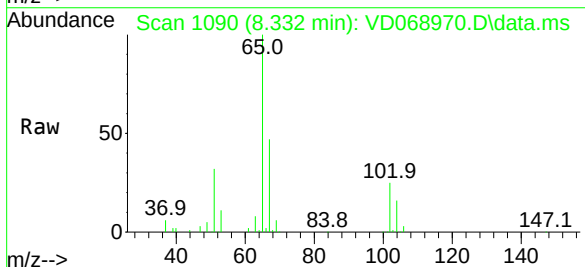
Acq: 23 Apr 2021 16:29

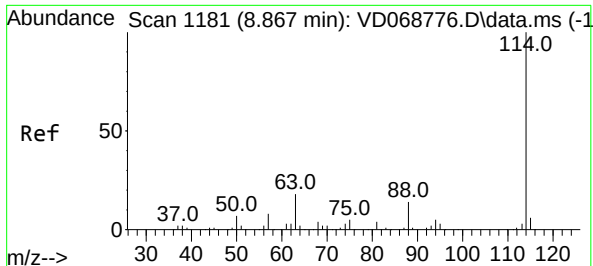
Tgt Ion: 65 Resp: 143709

Ion Ratio Lower Upper

65 100

67 52.1 0.0 106.0

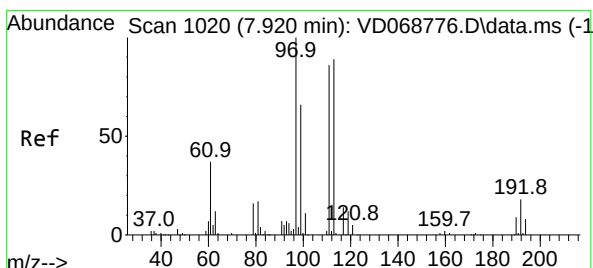
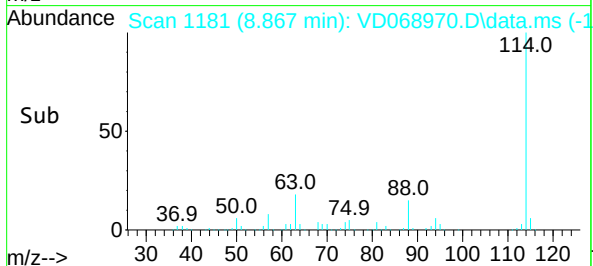
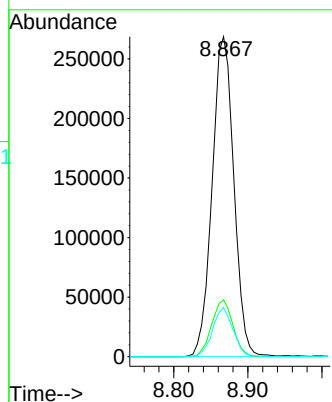
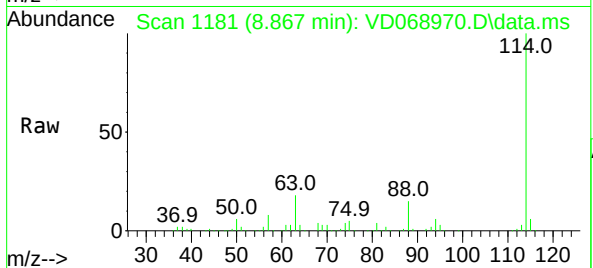




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068970.D
Acq: 23 Apr 2021 16:29

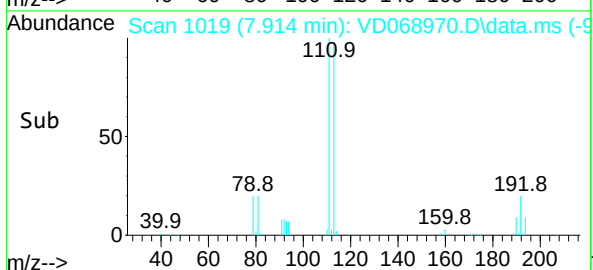
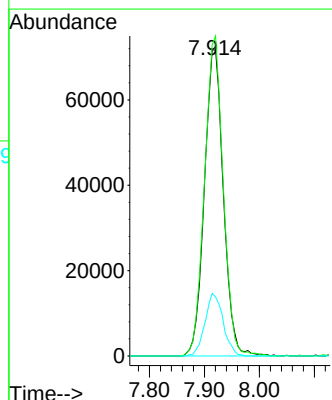
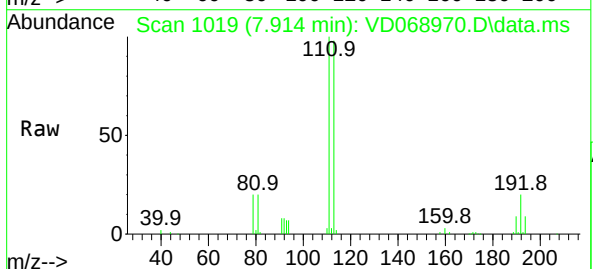
Instrument :
MSVOA_D
ClientSampleId :

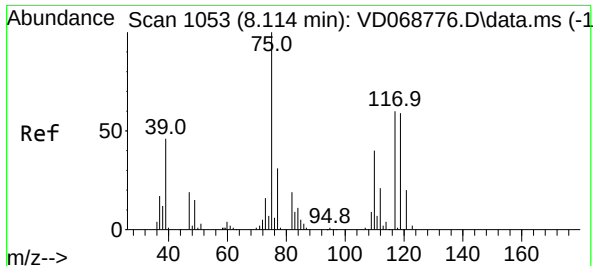
Tgt Ion:114 Resp: 546676
Ion Ratio Lower Upper
114 100
63 17.7 0.0 38.2
88 15.4 0.0 29.4



#35
Dibromofluoromethane
Concen: 48.62 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD068970.D
Acq: 23 Apr 2021 16:29

Tgt Ion:113 Resp: 172891
Ion Ratio Lower Upper
113 100
111 102.6 82.5 123.7
192 19.4 15.1 22.7

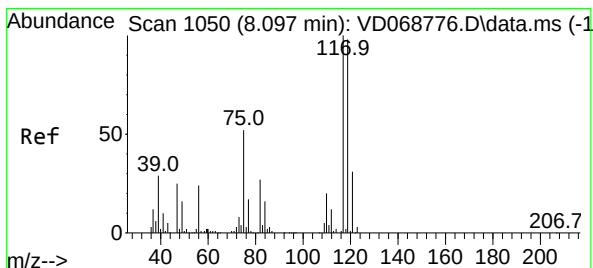
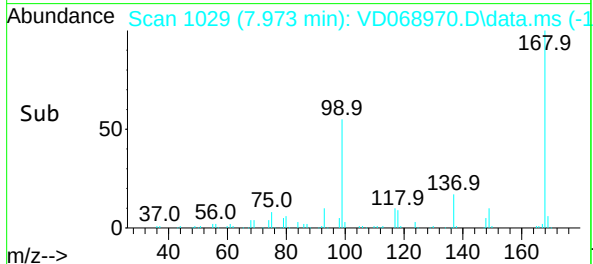
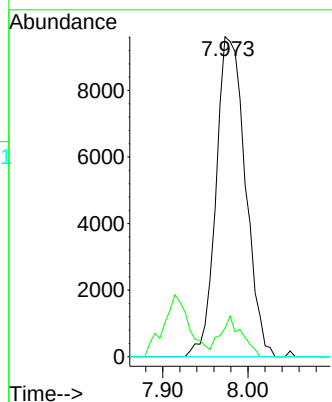
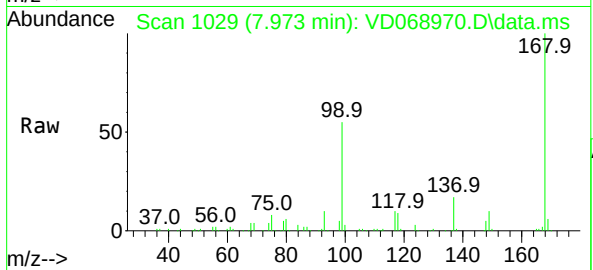




#36
1,1-Dichloropropene
Concen: 4.15 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.141 min
Lab File: VD068970.D
Acq: 23 Apr 2021 16:29

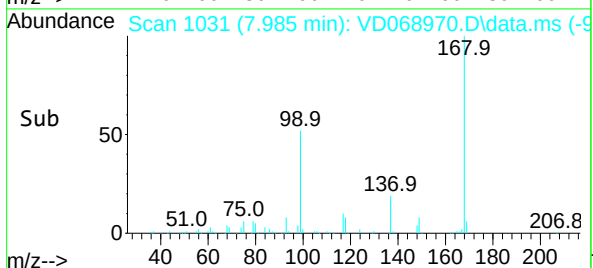
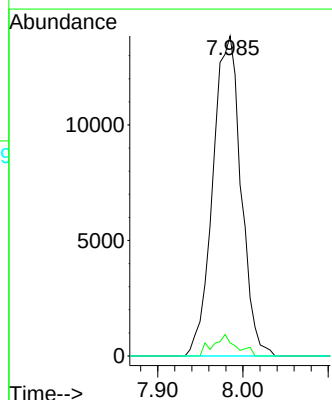
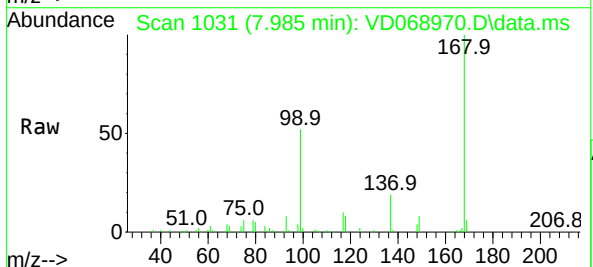
Instrument :
MSVOA_D
ClientSampleId :

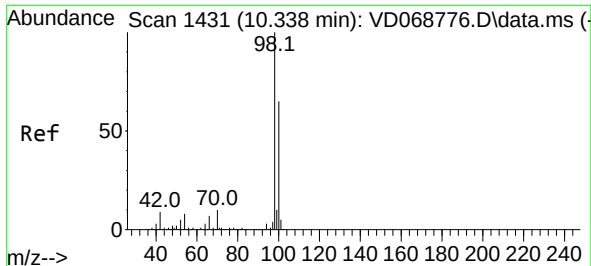
Tgt Ion: 75 Resp: 22950
Ion Ratio Lower Upper
75 100
110 9.3 18.1 54.4#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.82 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD068970.D
Acq: 23 Apr 2021 16:29

Tgt Ion: 117 Resp: 31878
Ion Ratio Lower Upper
117 100
119 4.1 76.6 115.0#
121 0.0 26.1 39.1#

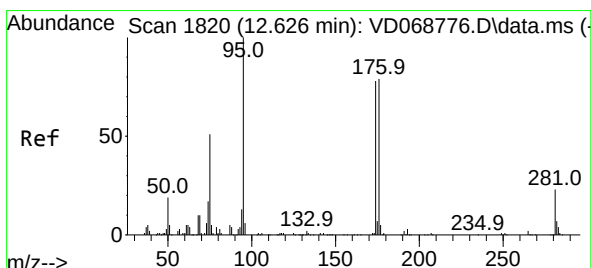
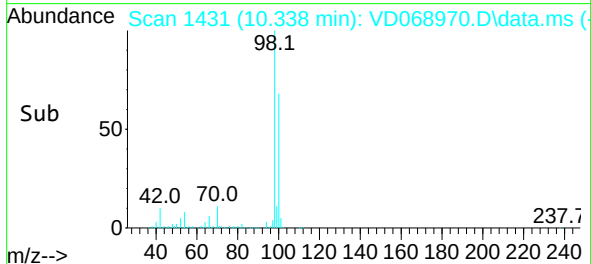
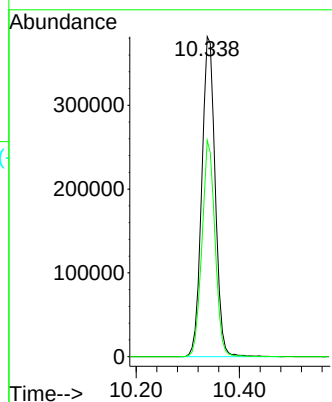
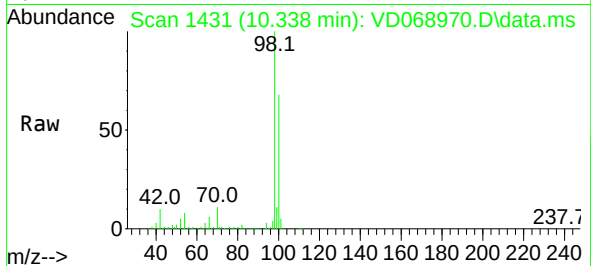




#50
Toluene-d8
Concen: 51.29 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD068970.D
Acq: 23 Apr 2021 16:29

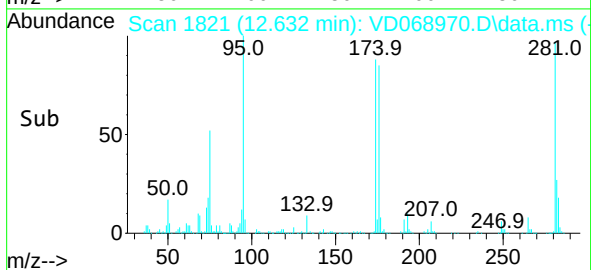
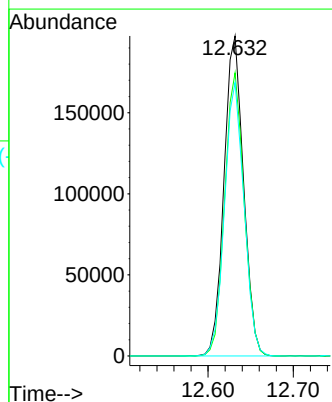
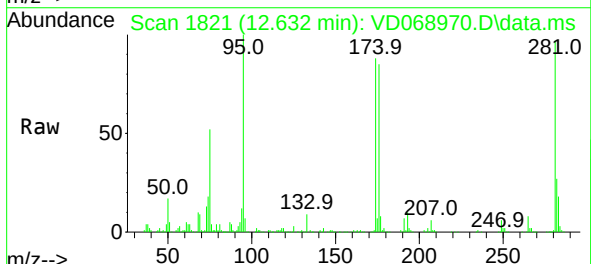
Instrument :
MSVOA_D
ClientSampleId :

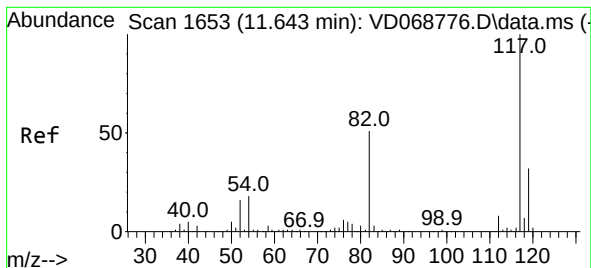
Tgt Ion: 98 Resp: 687980
Ion Ratio Lower Upper
98 100
100 65.6 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 70.43 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD068970.D
Acq: 23 Apr 2021 16:29

Tgt Ion: 95 Resp: 313760
Ion Ratio Lower Upper
95 100
174 87.9 0.0 168.0
176 85.3 0.0 160.2

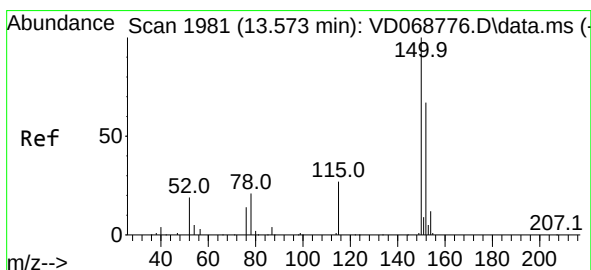
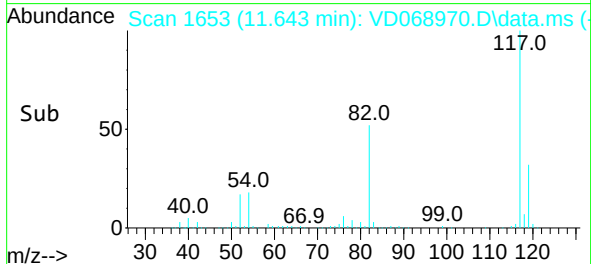
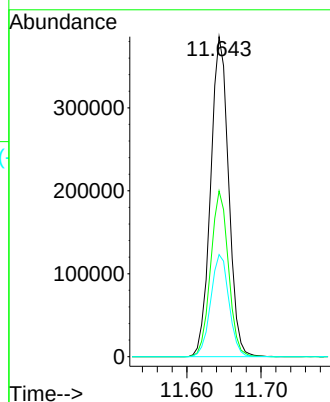
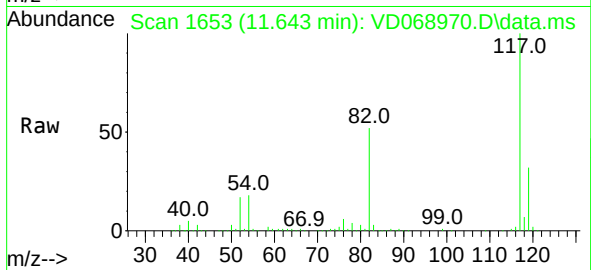




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068970.D
Acq: 23 Apr 2021 16:29

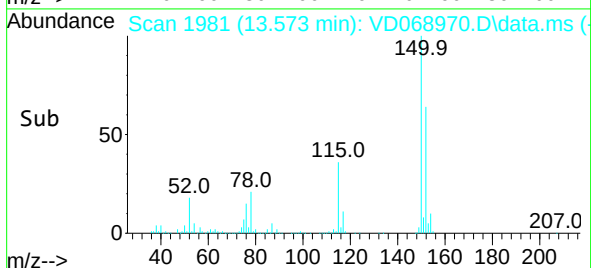
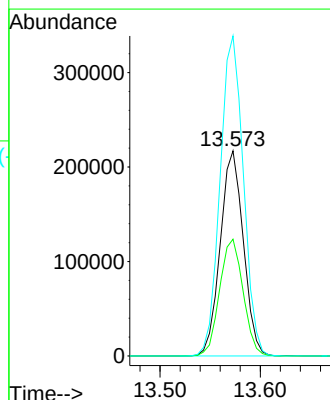
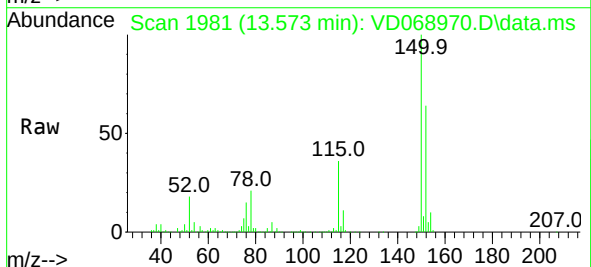
Instrument :
MSVOA_D
ClientSampleId :

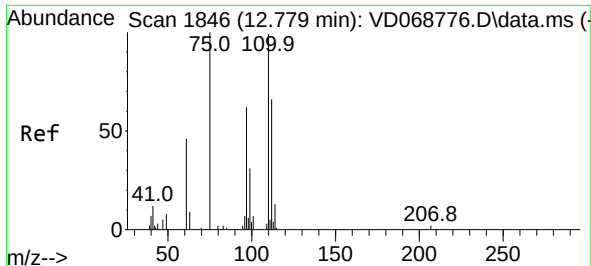
Tgt Ion:117 Resp: 648220
Ion Ratio Lower Upper
117 100
82 51.8 43.5 65.3
119 31.9 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068970.D
Acq: 23 Apr 2021 16:29

Tgt Ion:152 Resp: 347620
Ion Ratio Lower Upper
152 100
115 57.7 29.3 87.8
150 157.2 0.0 347.6

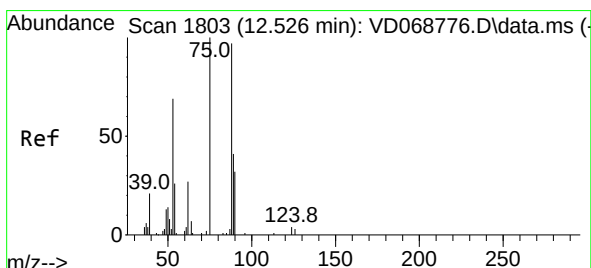
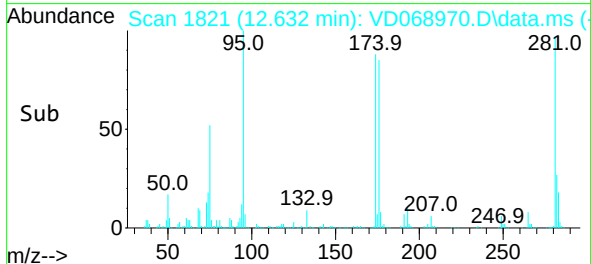
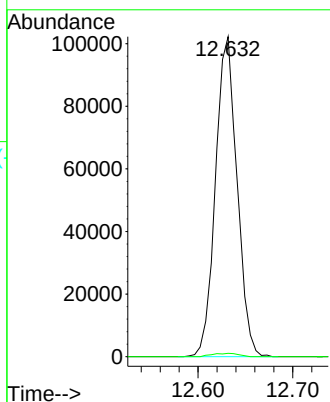
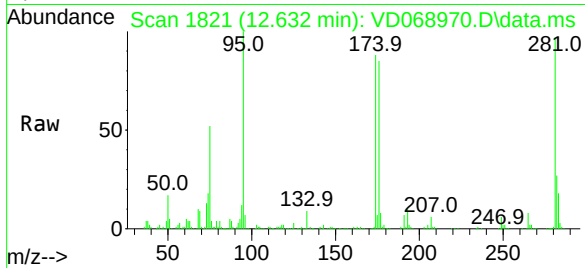




#76
1,2,3-Trichloropropane
Concen: 50.92 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD068970.D
Acq: 23 Apr 2021 16:29

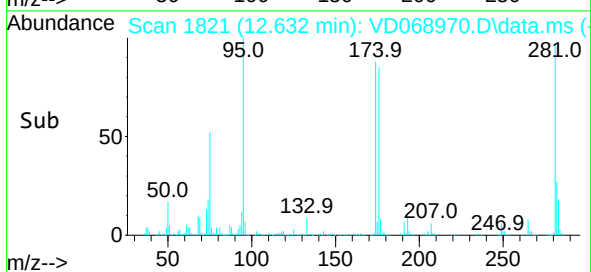
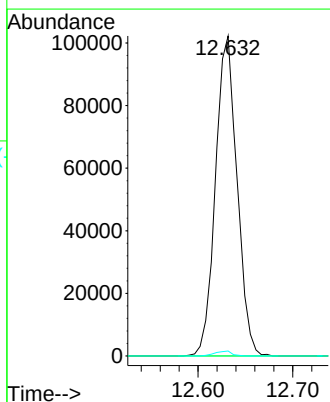
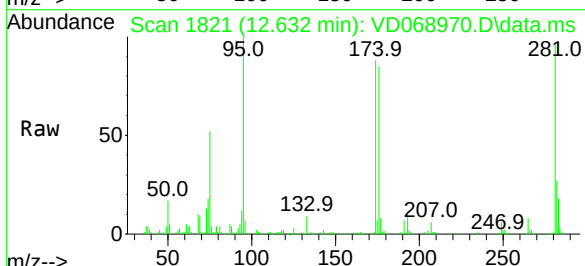
Instrument :
MSVOA_D
ClientSampleId :

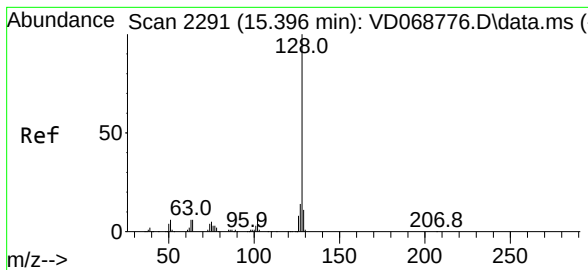
Tgt Ion: 75 Resp: 161724
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 118.18 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068970.D
Acq: 23 Apr 2021 16:29

Tgt Ion: 75 Resp: 161724
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 1.2 36.6 54.8#





#95
Naphthalene
Concen: 1.13 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD068970.D
Acq: 23 Apr 2021 16:29

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 12776
Ion Ratio Lower Upper
128 100
127 14.0 10.2 15.4
129 15.0 8.9 13.3#

