

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012121\
 Data File : VD068139.D
 Acq On : 21 Jan 2021 18:08
 Operator : VA/SY
 Sample : M1188-01
 Misc : 4.96G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-230

Quant Time: Jan 22 00:11:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

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

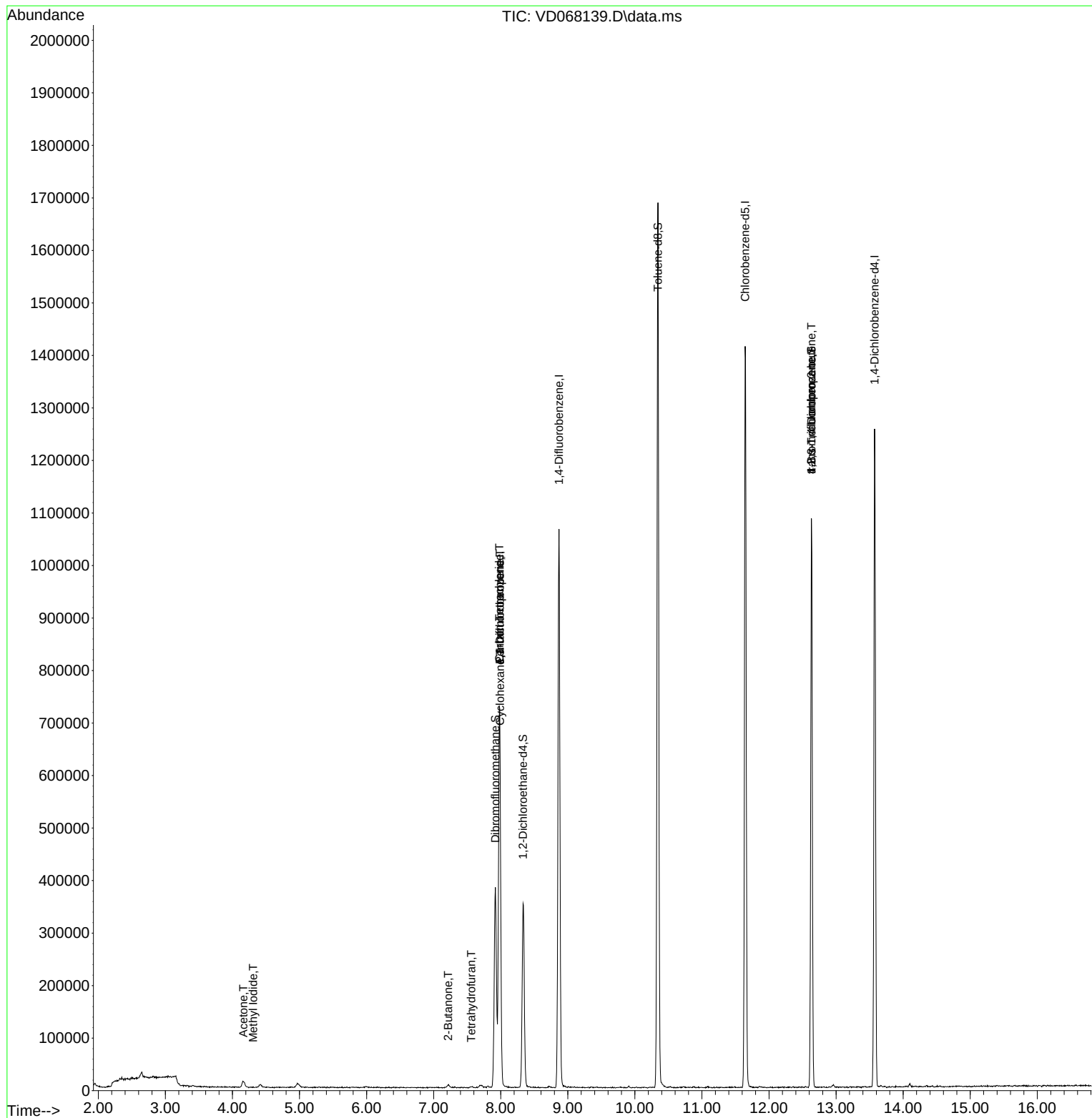
Internal Standards						
1) Pentafluorobenzene	7.985	168	550279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	946121	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	847933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	339252	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	281556	53.49	ug/l	0.00
Spiked Amount 50.000	Range	50 - 163	Recovery	= 106.98%		
35) Dibromofluoromethane	7.920	113	277491	53.05	ug/l	0.00
Spiked Amount 50.000	Range	54 - 147	Recovery	= 106.10%		
50) Toluene-d8	10.344	98	1164616	55.66	ug/l	0.00
Spiked Amount 50.000	Range	49 - 140	Recovery	= 111.32%		
62) 4-Bromofluorobenzene	12.632	95	380733	50.53	ug/l	0.00
Spiked Amount 50.000	Range	25 - 144	Recovery	= 101.06%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.309	142	332	3.21	ug/l #	38
11) Tert butyl alcohol	5.226	59	141	Below Cal	#	74
16) Acetone	4.162	43	22027	23.44	ug/l	96
20) Methylene Chloride	4.968	84	5934	Below Cal		98
25) 2-Butanone	7.214	43	7459	5.27	ug/l #	82
29) Tetrahydrofuran	7.561	42	1349	1.47	ug/l #	77
31) Cyclohexane	7.991	56	12215	1.07	ug/l #	47
36) 1,1-Dichloropropene	7.985	75	45104	4.73	ug/l #	47
38) Carbon Tetrachloride	7.979	117	56802	6.36	ug/l #	15
76) 1,2,3-Trichloropropane	12.632	75	196005	59.75	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	196005	120.91	ug/l #	13

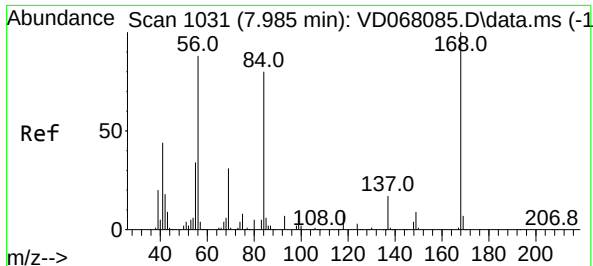
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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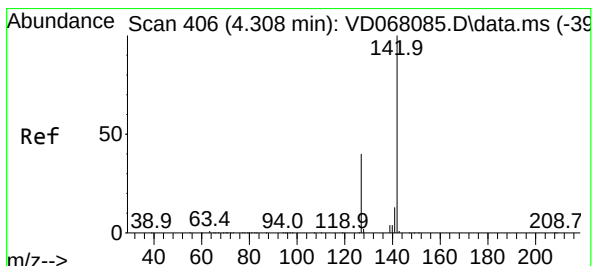
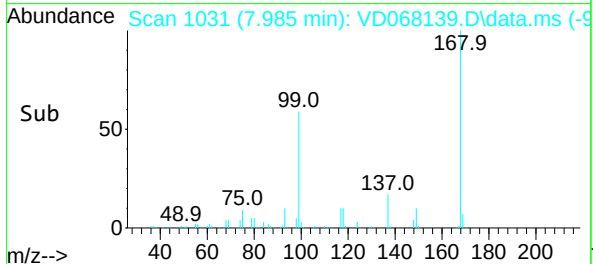
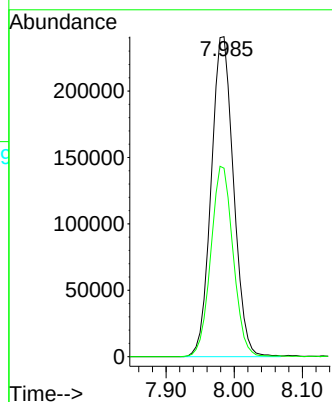
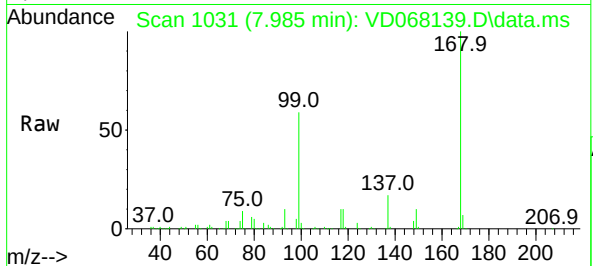




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068139.D
Acq: 21 Jan 2021 18:08

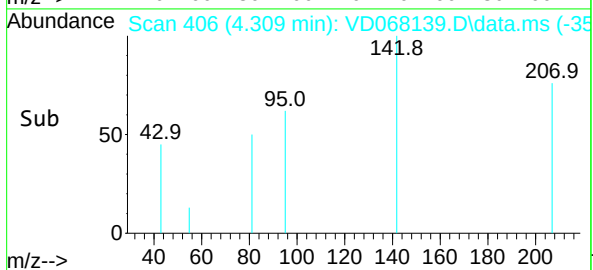
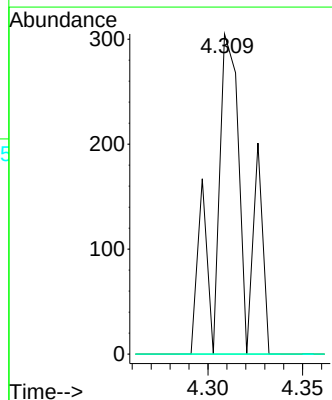
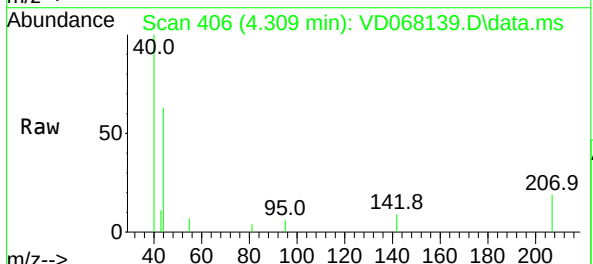
Instrument :
MSVOA_D
ClientSampled :
TP-230

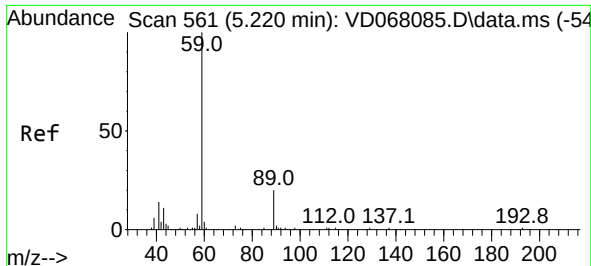
Tgt Ion:168 Resp: 550279
Ion Ratio Lower Upper
168 100
99 58.9 43.5 65.3



#10
Methyl Iodide
Concen: 3.21 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.001 min
Lab File: VD068139.D
Acq: 21 Jan 2021 18:08

Tgt Ion:142 Resp: 332
Ion Ratio Lower Upper
142 100
127 0.0 37.9 56.9#
141 0.0 11.5 17.3#

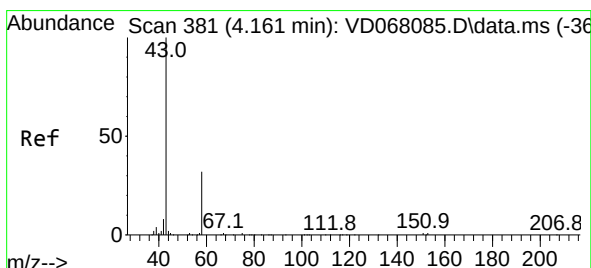
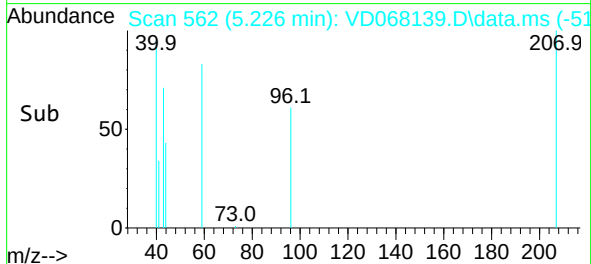
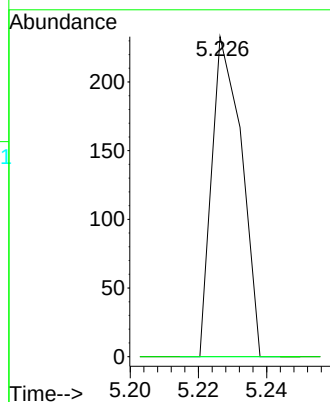
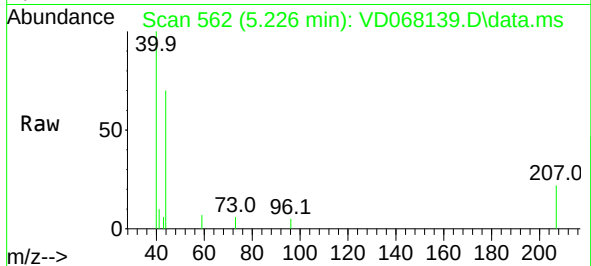




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.226 min Scan# 562
Delta R.T. 0.006 min
Lab File: VD068139.D
Acq: 21 Jan 2021 18:08

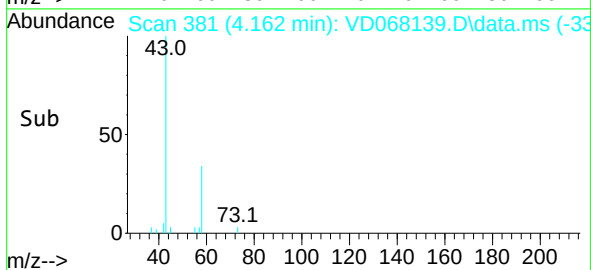
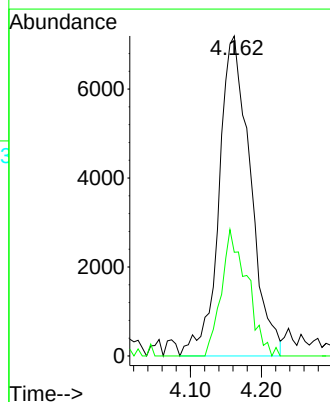
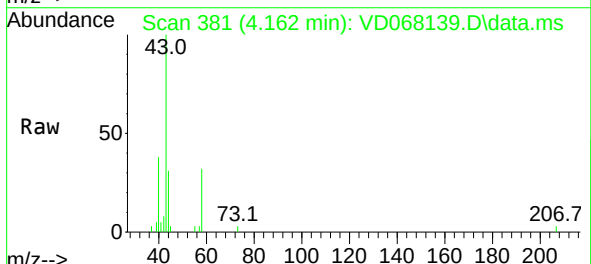
Instrument :
MSVOA_D
ClientSampled :
TP-230

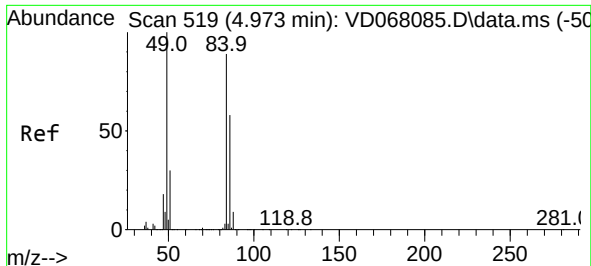
Tgt Ion: 59 Resp: 141
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 23.44 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068139.D
Acq: 21 Jan 2021 18:08

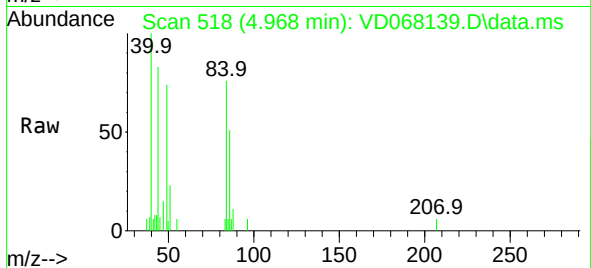
Tgt Ion: 43 Resp: 22027
Ion Ratio Lower Upper
43 100
58 32.4 24.2 36.4



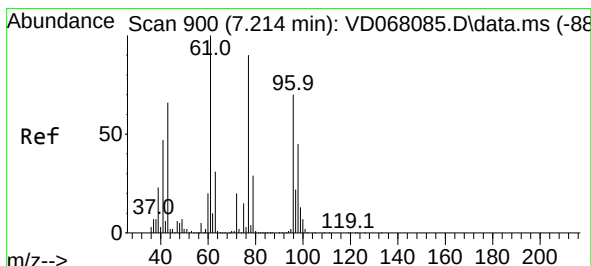
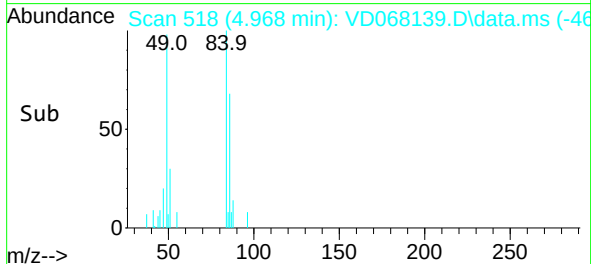
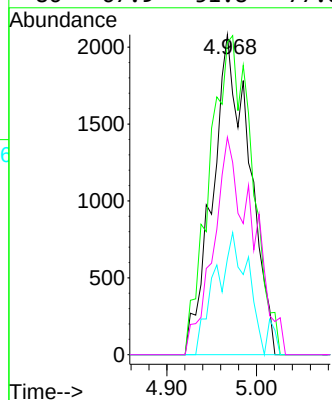


#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. -0.005 min
Lab File: VD068139.D
Acq: 21 Jan 2021 18:08

Instrument :
MSVOA_D
ClientSampleId :
TP-230

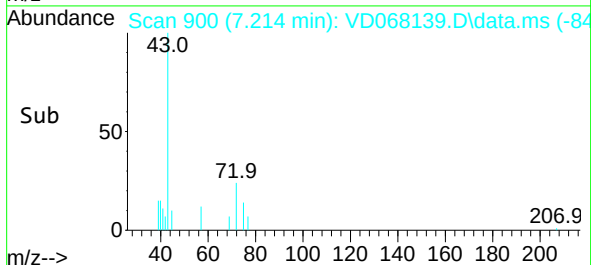
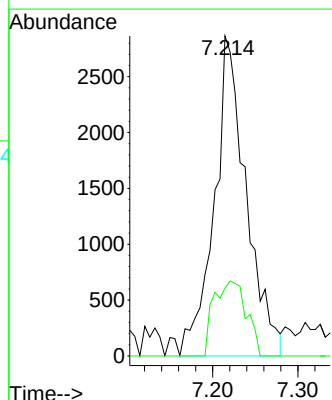
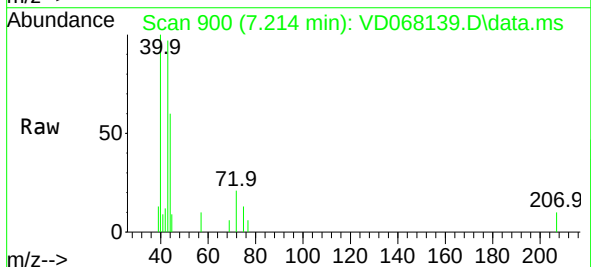


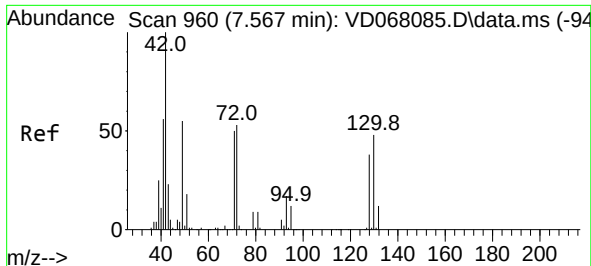
Tgt Ion:	84	Resp:	5934
Ion	Ratio	Lower	Upper
84	100		
49	97.5	77.4	116.2
51	30.0	26.1	39.1
86	67.9	51.8	77.8



#25
2-Butanone
Concen: 5.27 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD068139.D
Acq: 21 Jan 2021 18:08

Tgt Ion:	43	Resp:	7459
Ion	Ratio	Lower	Upper
43	100		
72	21.2	25.1	37.7#





#29

Tetrahydrofuran

Concen: 1.47 ug/l

RT: 7.561 min Scan# 959

Delta R.T. -0.006 min

Lab File: VD068139.D

Acq: 21 Jan 2021 18:08

Instrument :

MSVOA_D

ClientSampleId :

TP-230

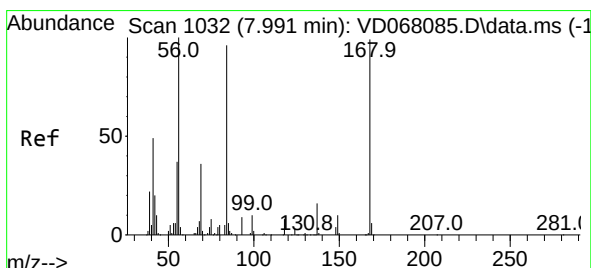
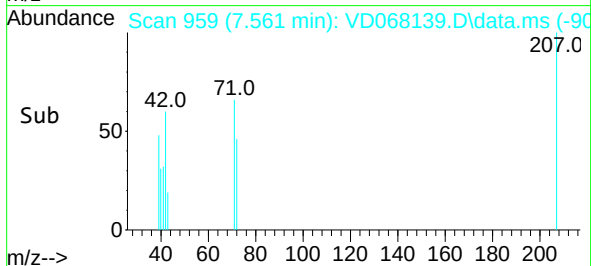
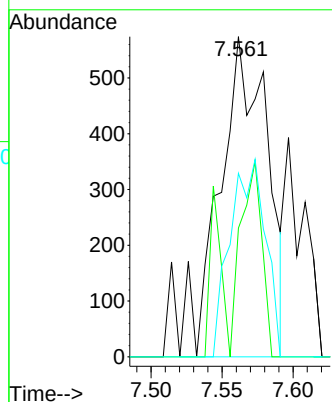
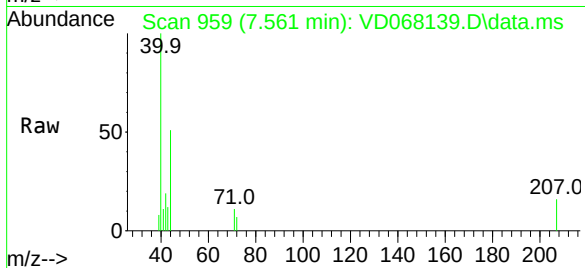
Tgt Ion: 42 Resp: 1349

Ion Ratio Lower Upper

42 100

72 27.1 43.4 65.0#

71 45.2 40.8 61.2



#31

Cyclohexane

Concen: 1.07 ug/l

RT: 7.991 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VD068139.D

Acq: 21 Jan 2021 18:08

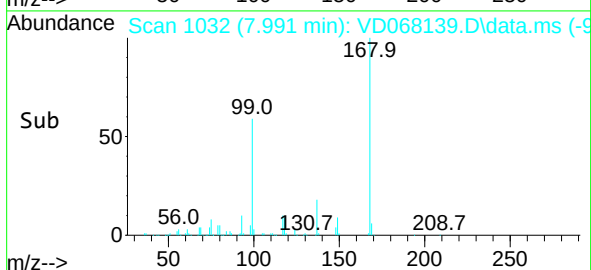
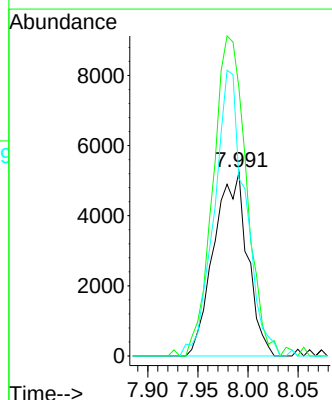
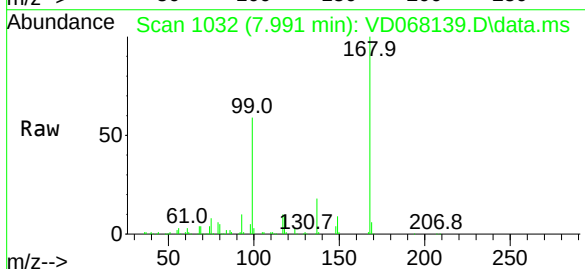
Tgt Ion: 56 Resp: 12215

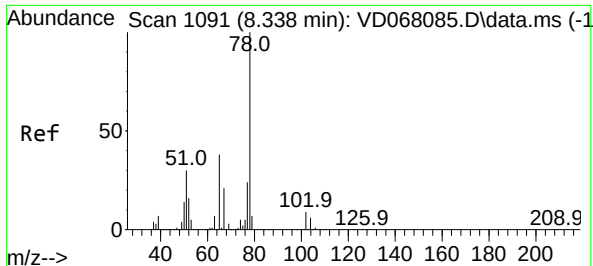
Ion Ratio Lower Upper

56 100

69 145.9 30.1 45.1#

84 96.5 82.1 123.1

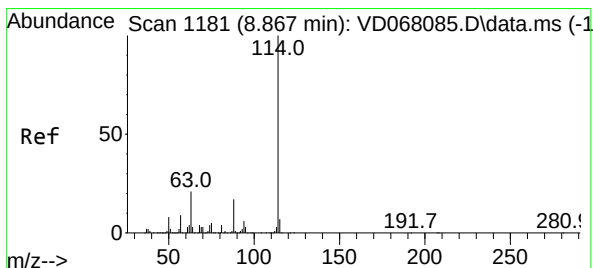
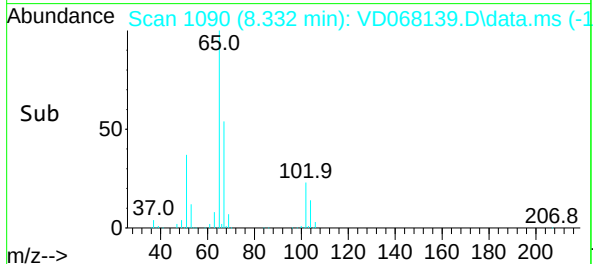
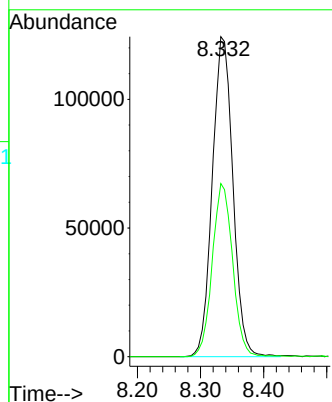
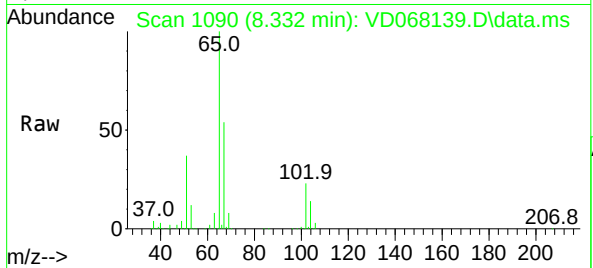




#33
1,2-Dichloroethane-d4
Concen: 53.49 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VD068139.D
Acq: 21 Jan 2021 18:08

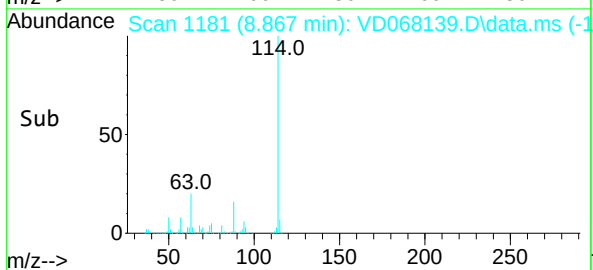
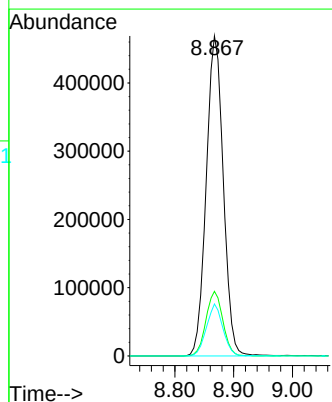
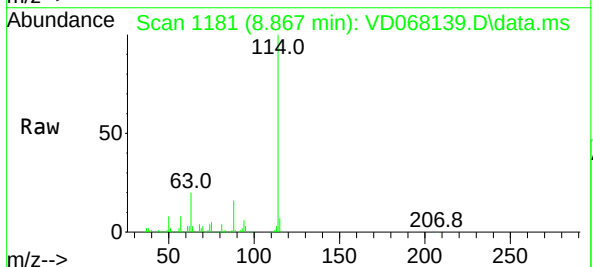
Instrument :
MSVOA_D
ClientSampled :
TP-230

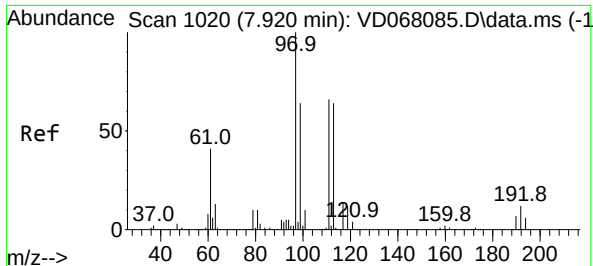
Tgt Ion: 65 Resp: 281556
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068139.D
Acq: 21 Jan 2021 18:08

Tgt Ion: 114 Resp: 946121
Ion Ratio Lower Upper
114 100
63 20.2 0.0 34.8
88 16.3 0.0 31.6





#35

Dibromofluoromethane

Concen: 53.05 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD068139.D

Acq: 21 Jan 2021 18:08

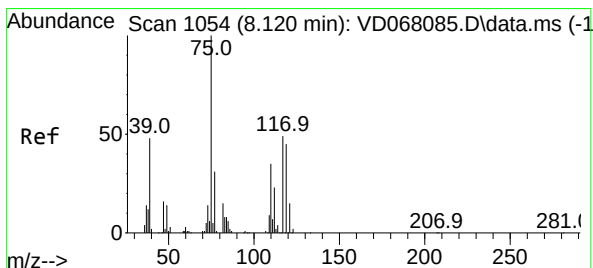
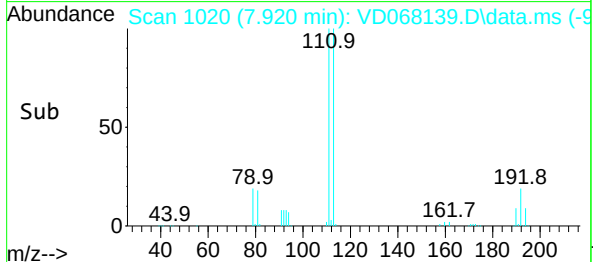
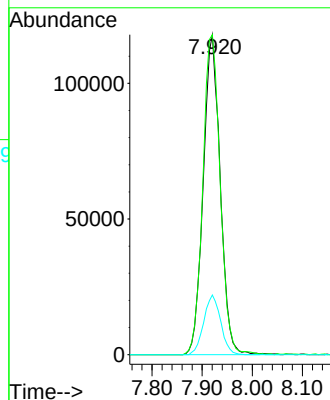
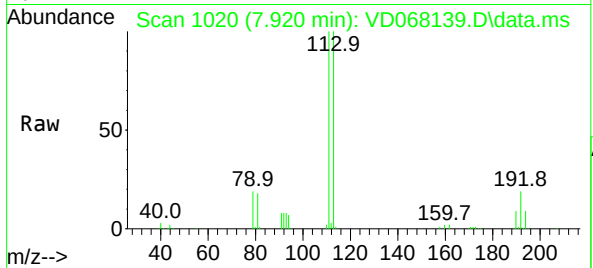
Tgt Ion:113 Resp: 277491

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

192 18.6 16.1 24.1



#36

1,1-Dichloropropene

Concen: 4.73 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.135 min

Lab File: VD068139.D

Acq: 21 Jan 2021 18:08

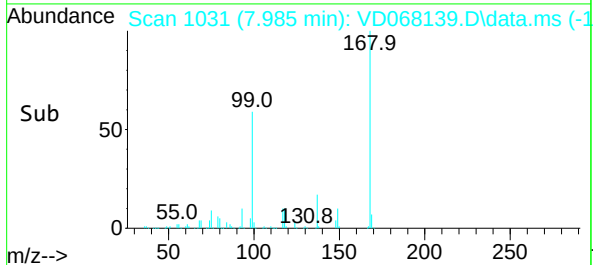
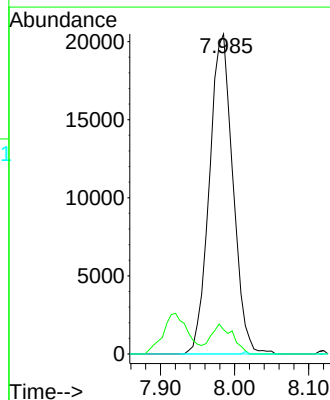
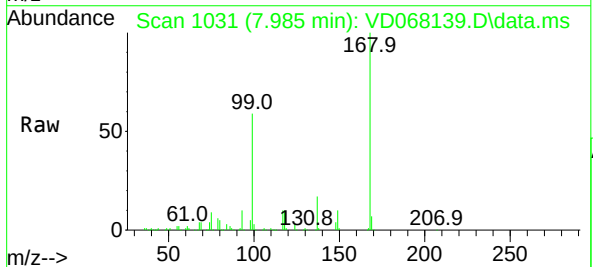
Tgt Ion: 75 Resp: 45104

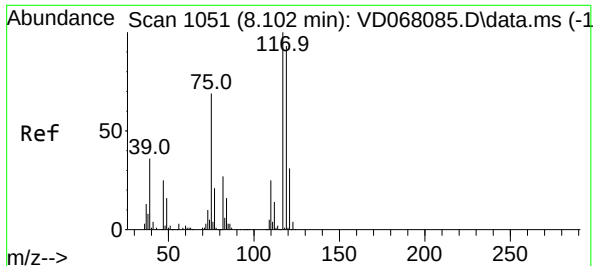
Ion Ratio Lower Upper

75 100

110 8.6 19.4 58.2#

77 0.0 25.3 37.9#

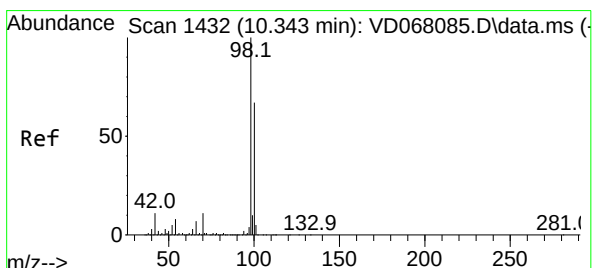
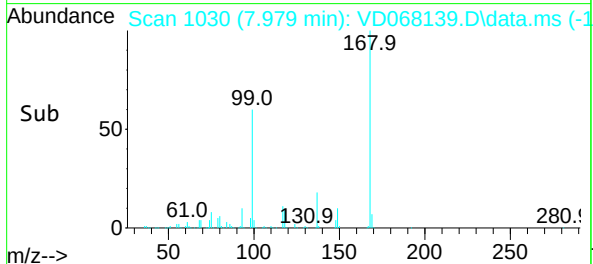
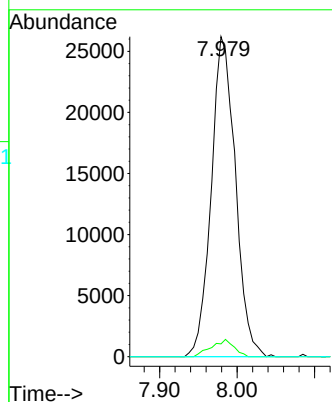
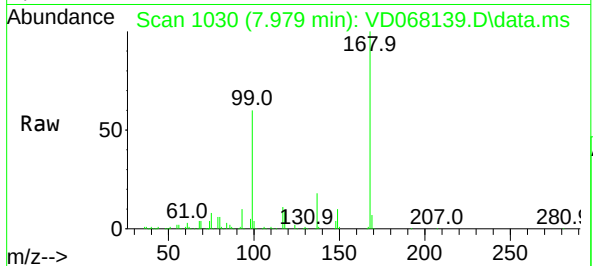




#38
Carbon Tetrachloride
Concen: 6.36 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.123 min
Lab File: VD068139.D
Acq: 21 Jan 2021 18:08

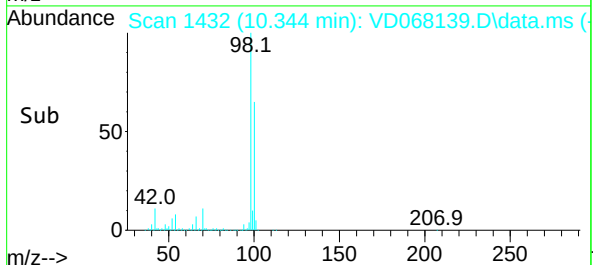
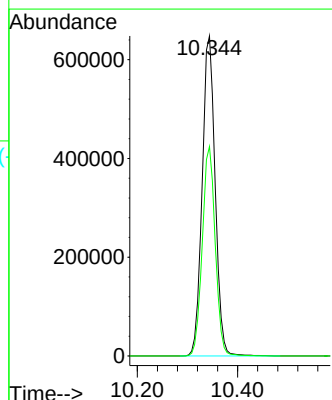
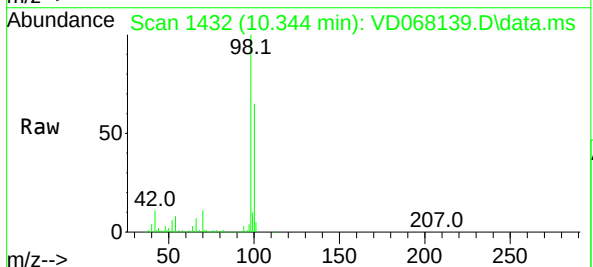
Instrument :
MSVOA_D
ClientSampleId :
TP-230

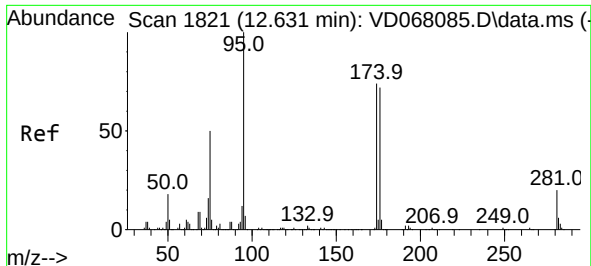
Tgt Ion:117 Resp: 56802
Ion Ratio Lower Upper
117 100
119 4.0 77.3 115.9#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 55.66 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068139.D
Acq: 21 Jan 2021 18:08

Tgt Ion: 98 Resp: 1164616
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.4

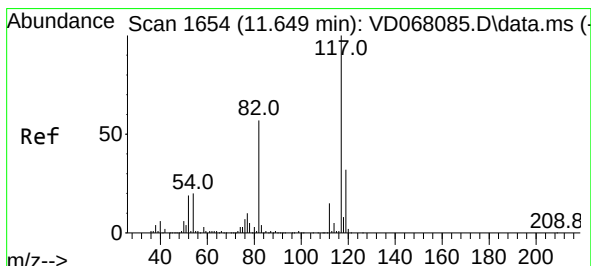
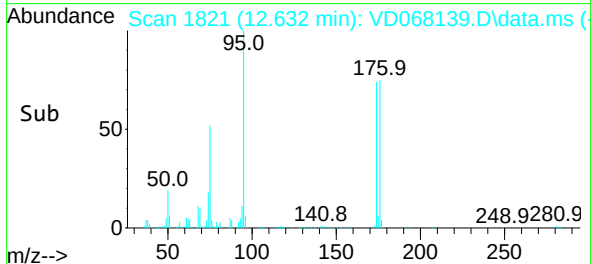
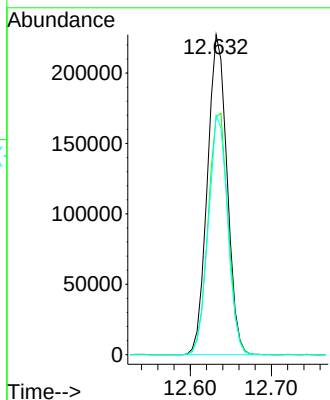
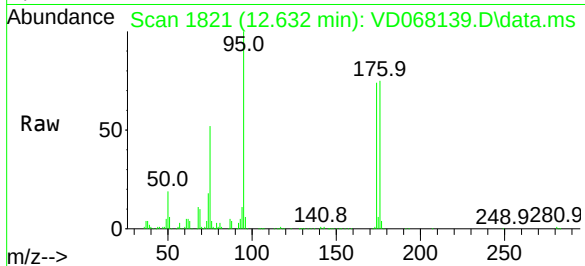




#62
4-Bromofluorobenzene
Concen: 50.53 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068139.D
Acq: 21 Jan 2021 18:08

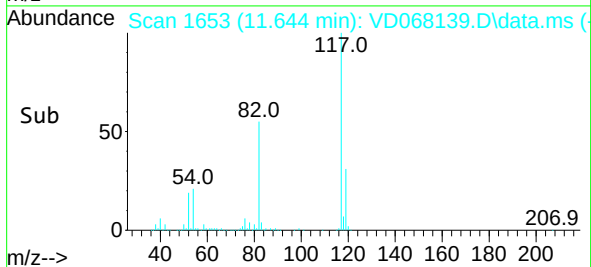
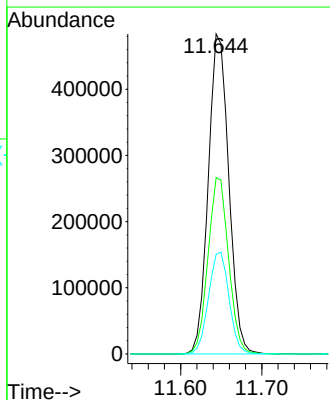
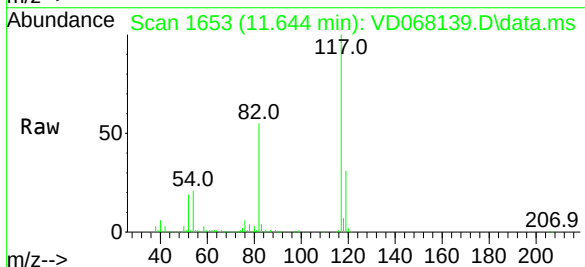
Instrument :
MSVOA_D
ClientSampleId :
TP-230

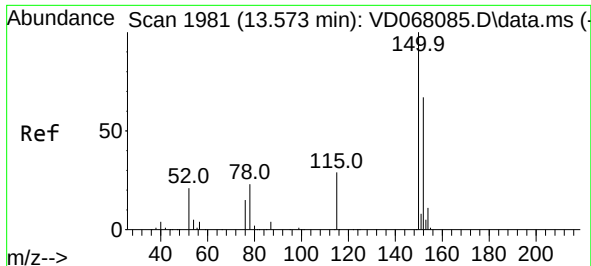
Tgt Ion: 95 Resp: 380733
Ion Ratio Lower Upper
95 100
174 76.9 0.0 172.4
176 74.0 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.005 min
Lab File: VD068139.D
Acq: 21 Jan 2021 18:08

Tgt Ion: 117 Resp: 847933
Ion Ratio Lower Upper
117 100
82 55.1 41.4 62.0
119 31.1 26.1 39.1

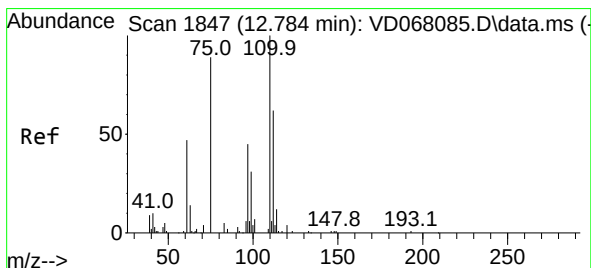
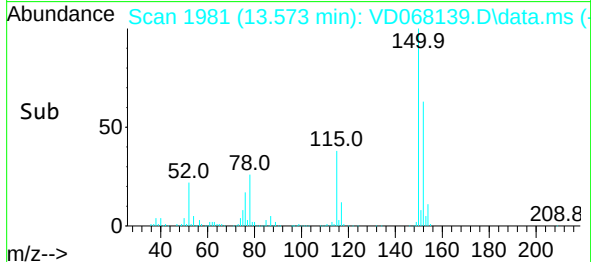
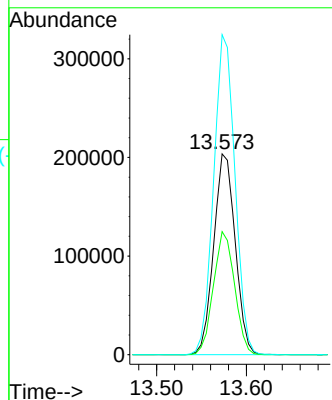
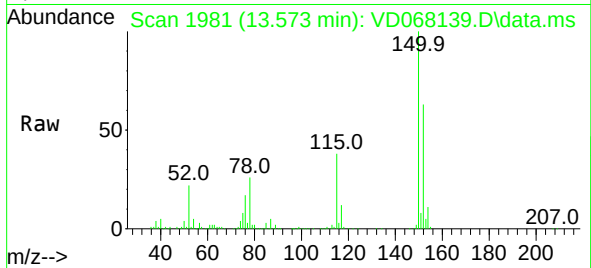




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068139.D
Acq: 21 Jan 2021 18:08

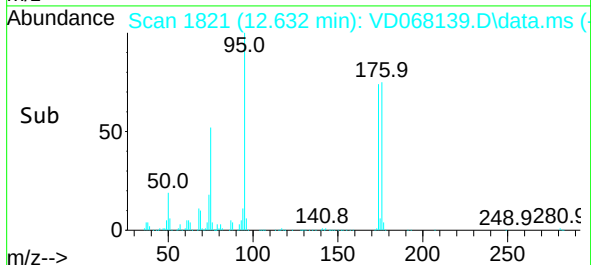
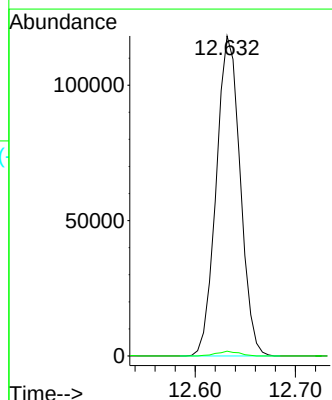
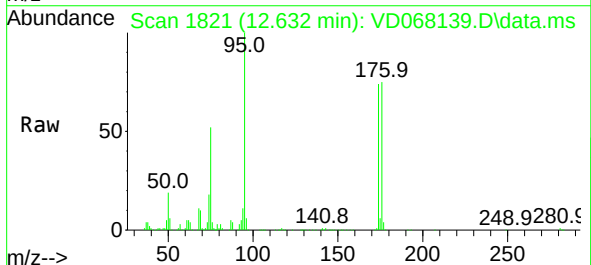
Instrument :
MSVOA_D
ClientSampleId :
TP-230

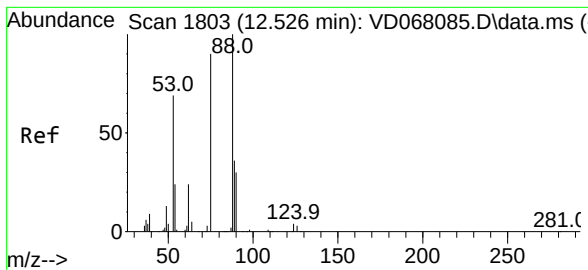
Tgt Ion:152 Resp: 339252
Ion Ratio Lower Upper
152 100
115 60.4 28.9 86.8
150 157.8 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 59.75 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068139.D
Acq: 21 Jan 2021 18:08

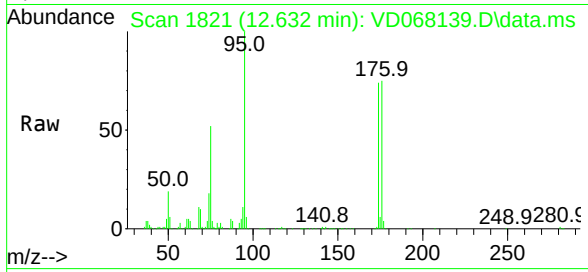
Tgt Ion: 75 Resp: 196005
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 120.91 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. 0.106 min
 Lab File: VD068139.D
 Acq: 21 Jan 2021 18:08

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-230



Tgt Ion: 75 Resp: 196005
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.2 105.2#
 89 0.0 40.3 60.5#

