

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010721\
 Data File : VD068041.D
 Acq On : 07 Jan 2021 18:23
 Operator : VA/SY
 Sample : M1043-01
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BALL-1

Quant Time: Jan 08 00:17:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 23 07:34:16 2020
 Response via : Initial Calibration

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

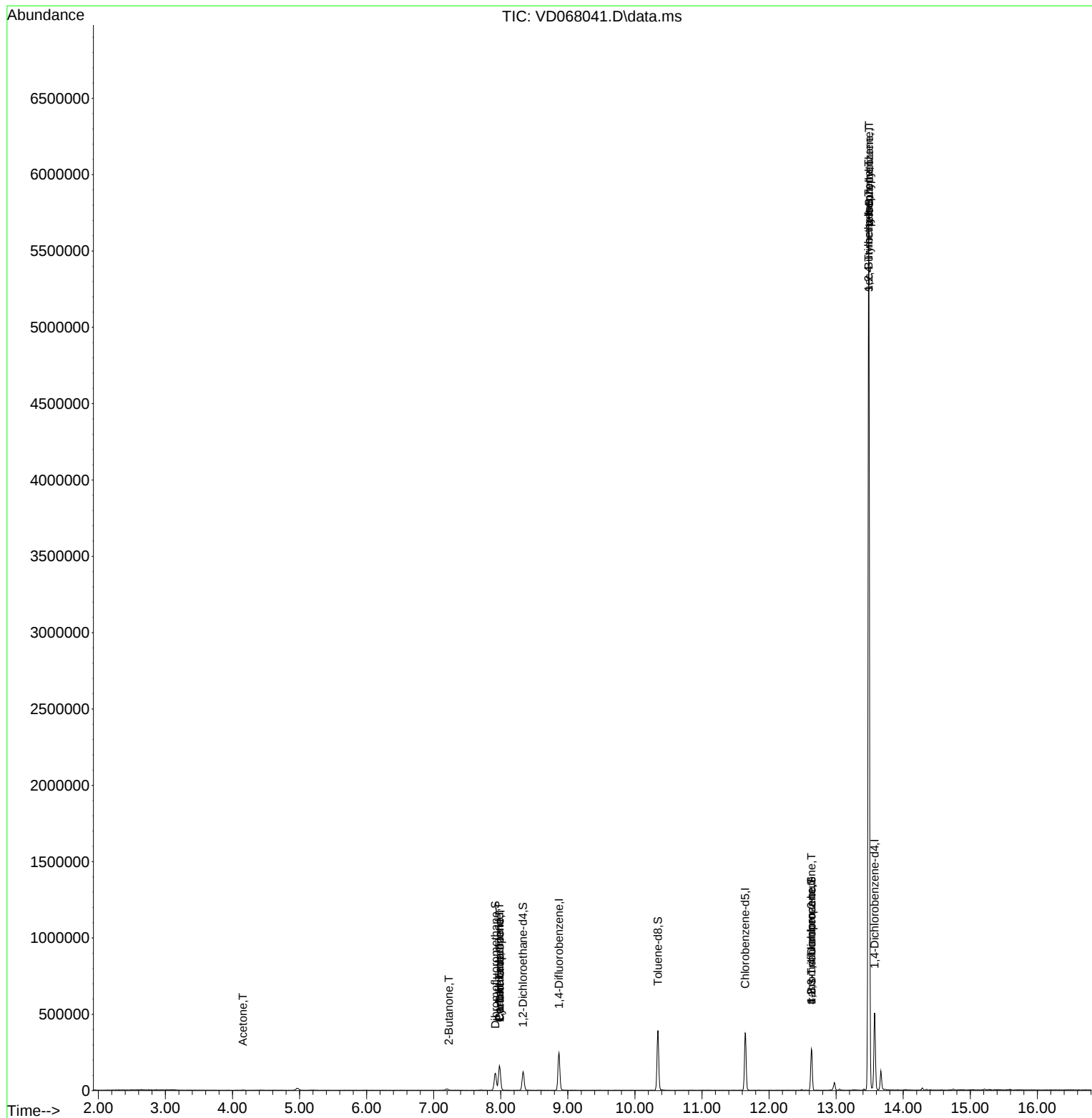
Internal Standards						
1) Pentafluorobenzene	7.979	168	110513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	203825	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	218030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	126547	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	95519	80.04	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 160.08%			
35) Dibromofluoromethane	7.920	113	83261	64.83	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 129.66%			
50) Toluene-d8	10.344	98	262969	54.48	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.96%			
62) 4-Bromofluorobenzene	12.632	95	92524	56.03	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 112.06%			
Target Compounds						Qvalue
5) Bromomethane	2.779	94	160	Below Cal	#	1
11) Tert butyl alcohol	5.197	59	756	Below Cal	#	74
16) Acetone	4.156	43	2350	10.31	ug/l	95
20) Methylene Chloride	4.961	84	9493	Below Cal	#	72
25) 2-Butanone	7.226	43	429	1.28	ug/l	49
31) Cyclohexane	7.985	56	2502	1.03	ug/l	29
36) 1,1-Dichloropropene	7.985	75	11130	5.14	ug/l	46
38) Carbon Tetrachloride	7.979	117	12597	6.09	ug/l	12
76) 1,2,3-Trichloropropane	12.632	75	47164	44.27	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.632	75	47164	90.74	ug/l	12
83) tert-Butylbenzene	13.490	119	70494	10.99	ug/l	1
84) 1,2,4-Trimethylbenzene	13.485	105	86692	11.08	ug/l	53
85) sec-Butylbenzene	13.485	105	86692	9.23	ug/l	86
86) p-Isopropyltoluene	13.490	119	77219	9.35	ug/l	1

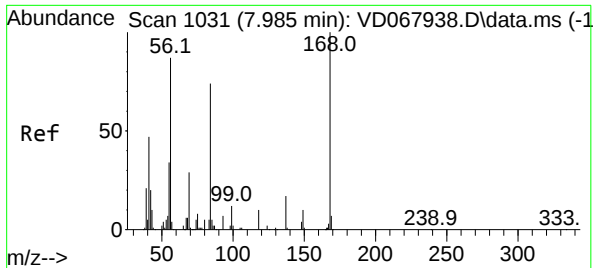
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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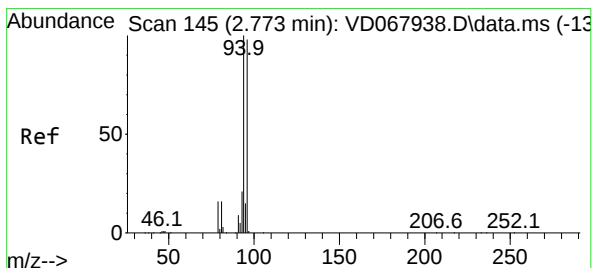
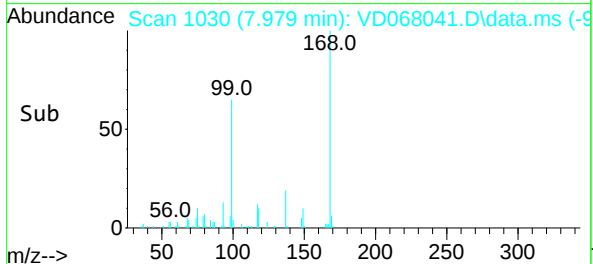
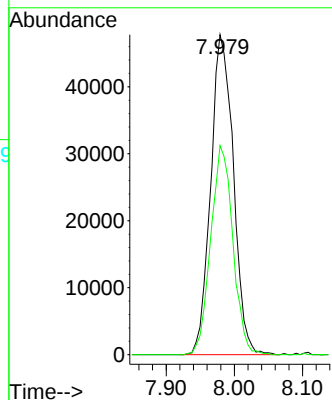
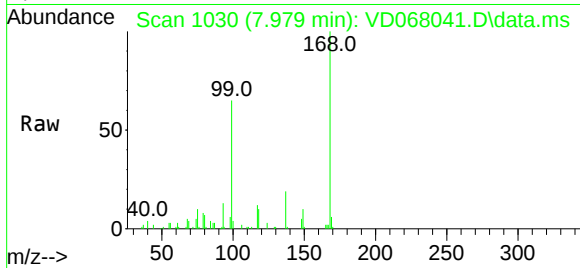




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068041.D
Acq: 07 Jan 2021 18:23

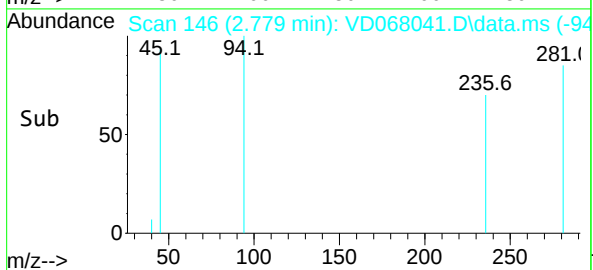
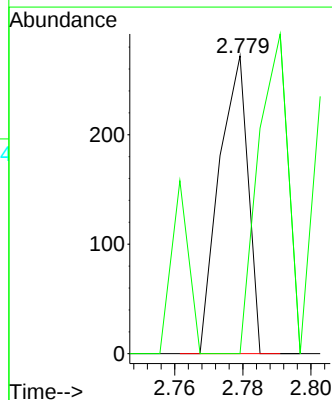
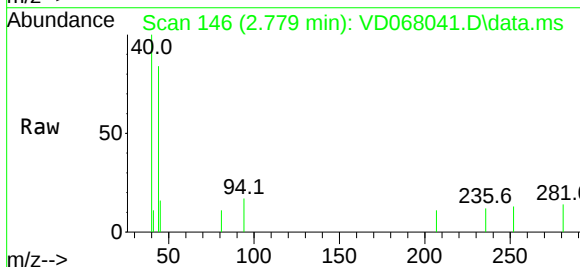
Instrument :
MSVOA_D
ClientSampleId :
BALL-1

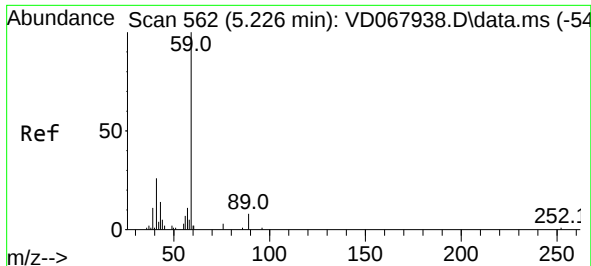
Tgt Ion:168 Resp: 110513
Ion Ratio Lower Upper
168 100
99 65.3 48.0 72.0



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.006 min
Lab File: VD068041.D
Acq: 07 Jan 2021 18:23

Tgt Ion: 94 Resp: 160
Ion Ratio Lower Upper
94 100
96 0.0 78.0 117.0#



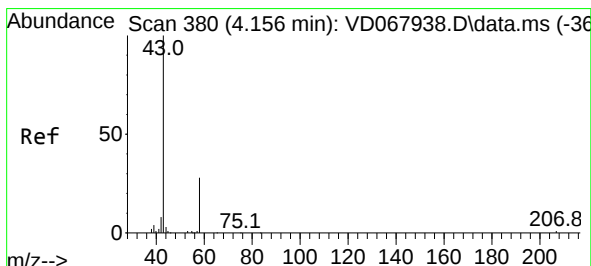
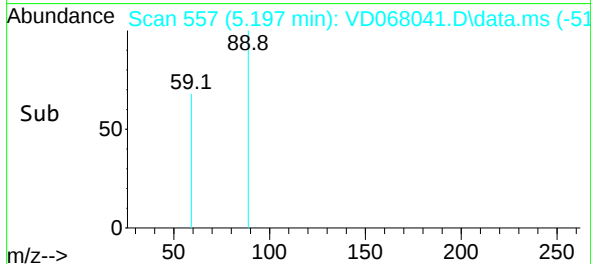
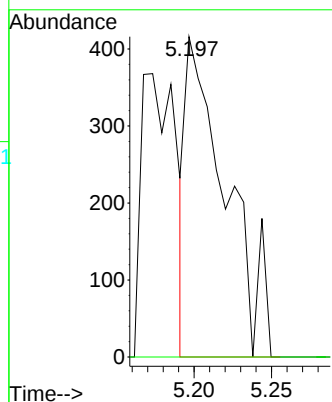
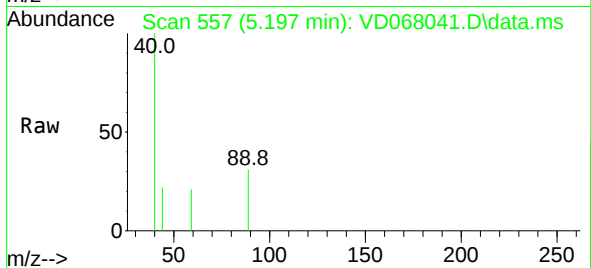


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.197 min Scan# 557
Delta R.T. -0.029 min
Lab File: VD068041.D
Acq: 07 Jan 2021 18:23

Instrument :
MSVOA_D
ClientSampleId :
BALL-1

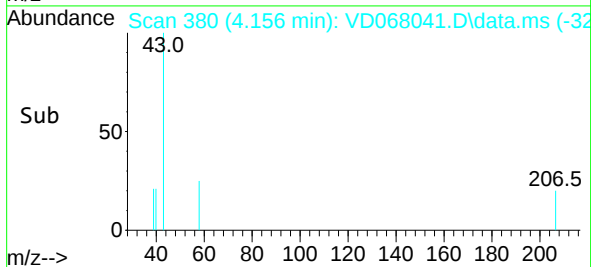
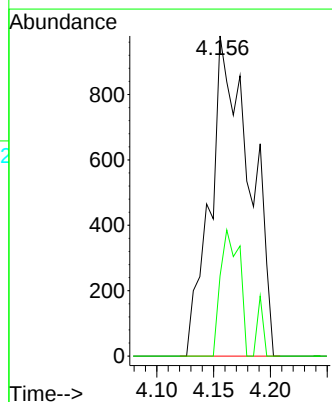
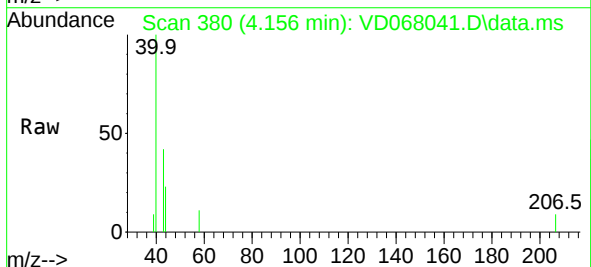
Tgt Ion: 59 Resp: 756
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

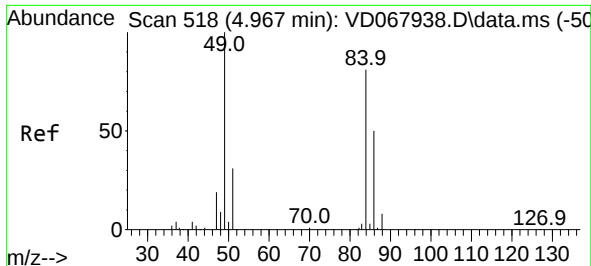


#16

Acetone
Concen: 10.31 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD068041.D
Acq: 07 Jan 2021 18:23

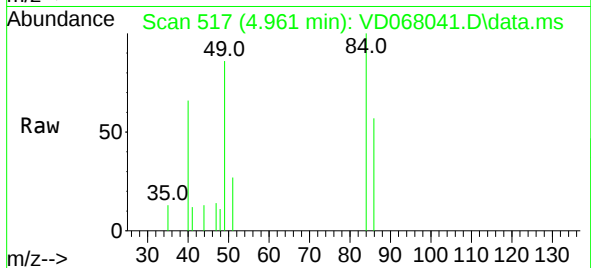
Tgt Ion: 43 Resp: 2350
Ion Ratio Lower Upper
43 100
58 25.0 22.3 33.5



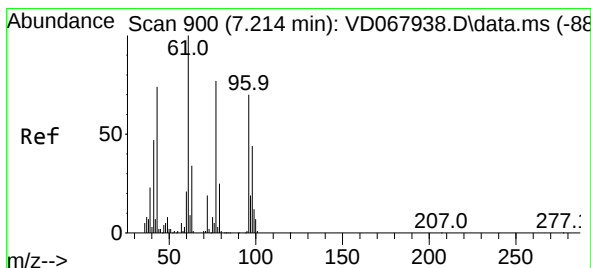
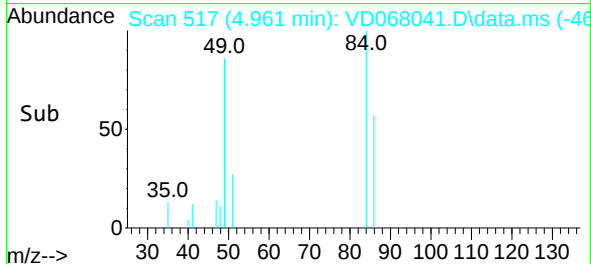
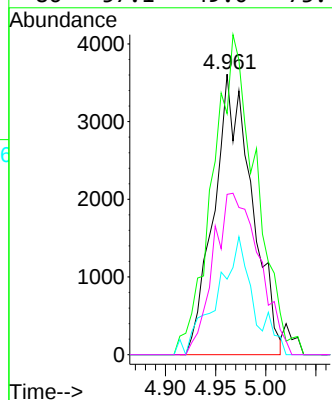


#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD068041.D
Acq: 07 Jan 2021 18:23

Instrument :
MSVOA_D
ClientSampleId :
BALL-1

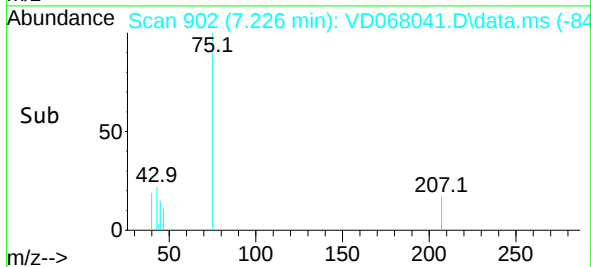
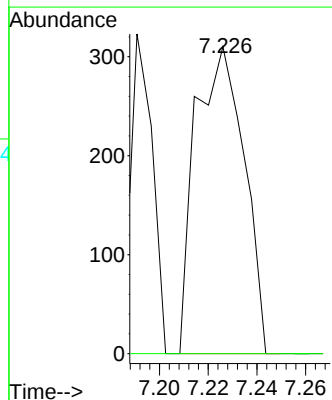
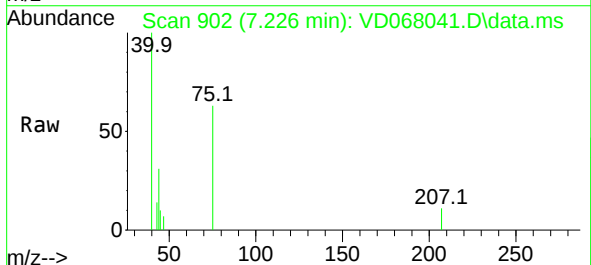


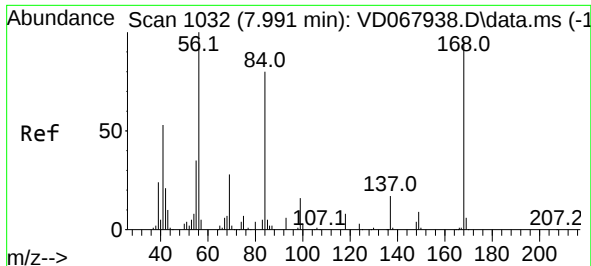
Tgt Ion:	84	Resp:	9493
Ion	Ratio	Lower	Upper
84	100		
49	79.3	98.3	147.5#
51	21.5	30.3	45.5#
86	57.1	49.0	73.4



#25
2-Butanone
Concen: 1.28 ug/l
RT: 7.226 min Scan# 902
Delta R.T. 0.012 min
Lab File: VD068041.D
Acq: 07 Jan 2021 18:23

Tgt Ion:	43	Resp:	429
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.8	31.2#





#31

Cyclohexane

Concen: 1.03 ug/l

RT: 7.985 min Scan# 1031

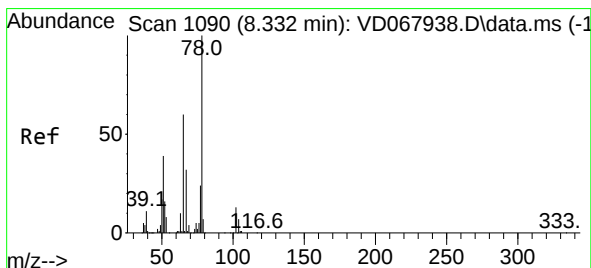
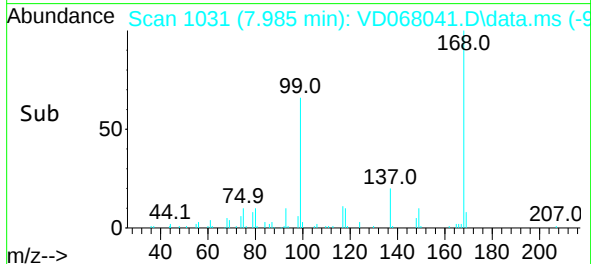
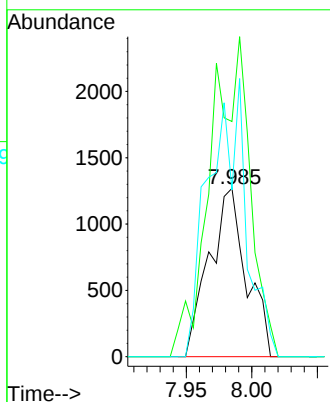
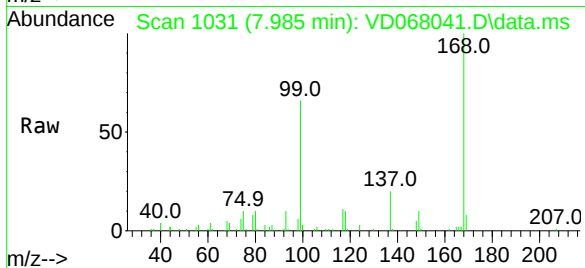
Delta R.T. -0.006 min

Lab File: VD068041.D

Acq: 07 Jan 2021 18:23

Instrument :
MSVOA_D
ClientSampleId :
BALL-1

Tgt Ion: 56	Resp: 2502
Ion Ratio	Lower Upper
56	100
69	139.8 22.7 34.1#
84	99.1 64.2 96.4#



#33

1,2-Dichloroethane-d4

Concen: 80.04 ug/l

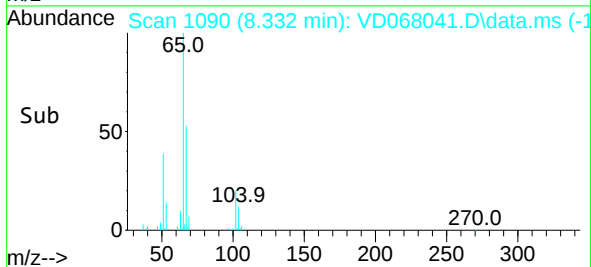
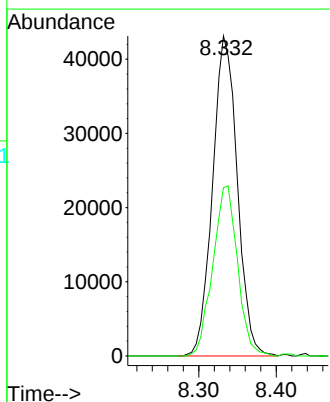
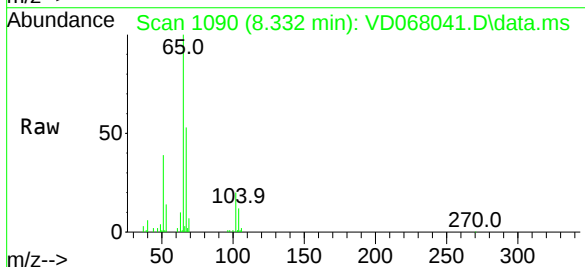
RT: 8.332 min Scan# 1090

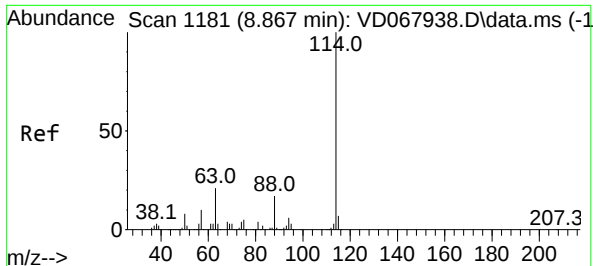
Delta R.T. -0.000 min

Lab File: VD068041.D

Acq: 07 Jan 2021 18:23

Tgt Ion: 65	Resp: 95519
Ion Ratio	Lower Upper
65	100
67	53.2 0.0 110.0

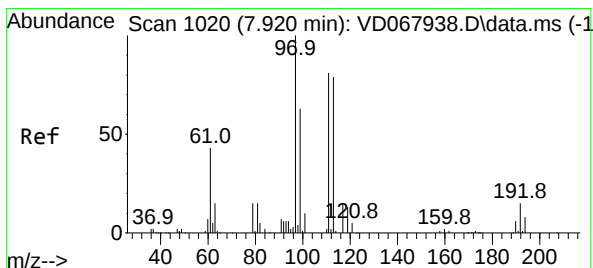
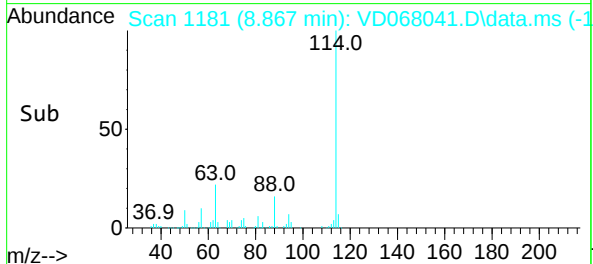
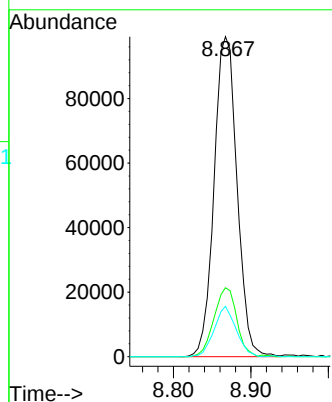
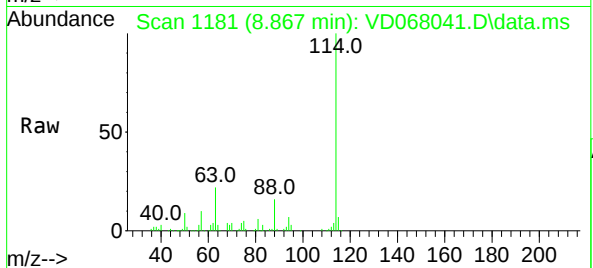




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. -0.000 min
Lab File: VD068041.D
Acq: 07 Jan 2021 18:23

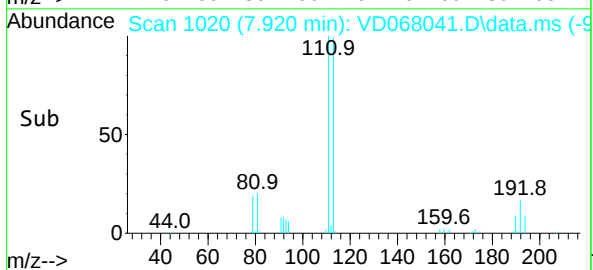
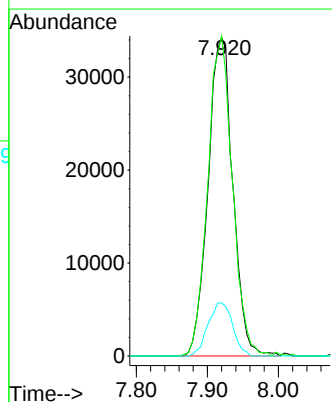
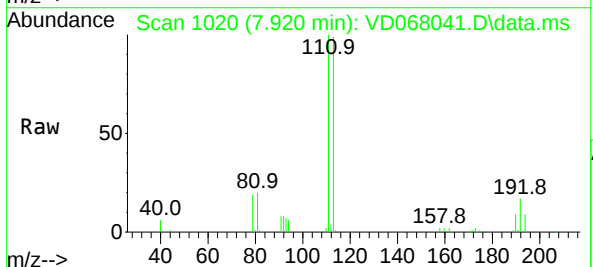
Instrument :
MSVOA_D
ClientSampleId :
BALL-1

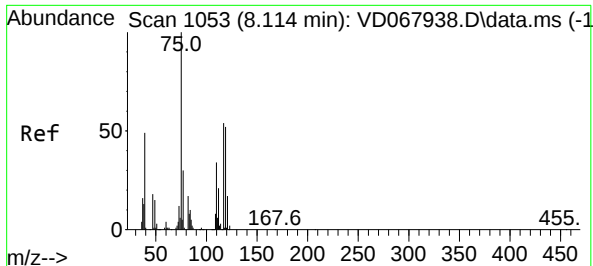
Tgt Ion:114 Resp: 203825
Ion Ratio Lower Upper
114 100
63 21.5 0.0 41.4
88 15.7 0.0 33.2



#35
Dibromofluoromethane
Concen: 64.83 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. -0.000 min
Lab File: VD068041.D
Acq: 07 Jan 2021 18:23

Tgt Ion:113 Resp: 83261
Ion Ratio Lower Upper
113 100
111 99.7 79.3 118.9
192 16.5 14.5 21.7

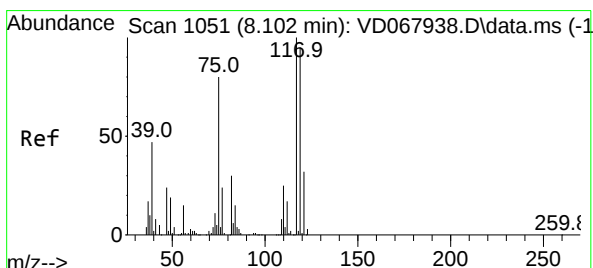
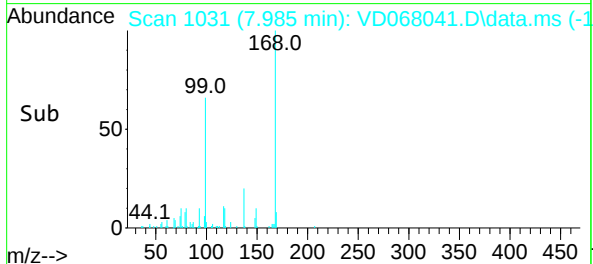
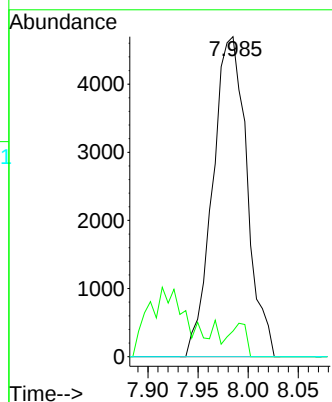
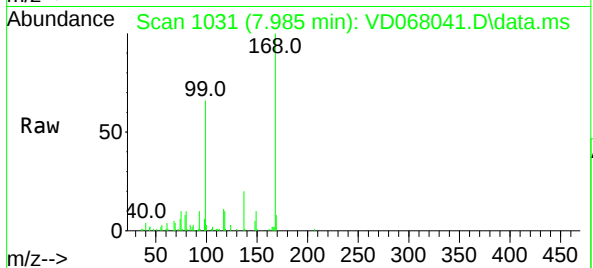




#36
1,1-Dichloropropene
Concen: 5.14 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.129 min
Lab File: VD068041.D
Acq: 07 Jan 2021 18:23

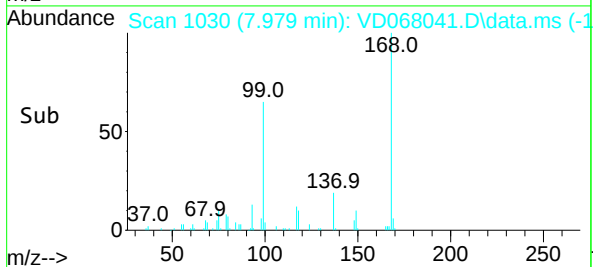
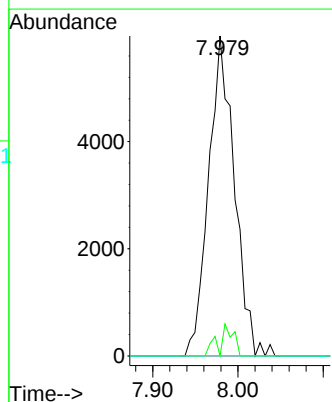
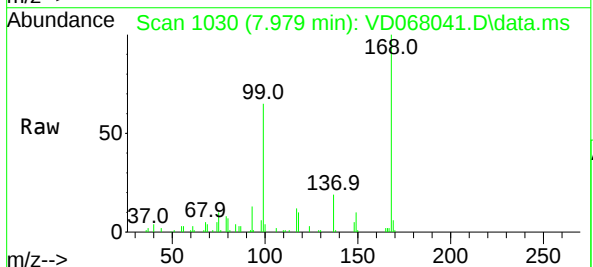
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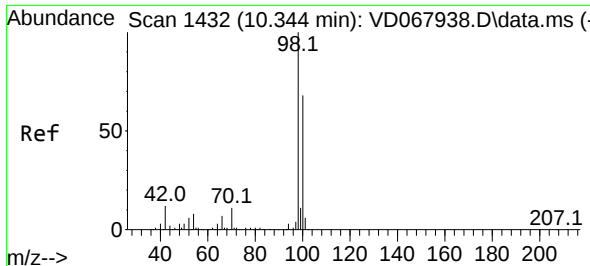
Tgt Ion: 75 Resp: 11130
Ion Ratio Lower Upper
75 100
110 4.2 17.0 51.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.09 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.124 min
Lab File: VD068041.D
Acq: 07 Jan 2021 18:23

Tgt Ion: 117 Resp: 12597
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.4#
121 0.0 25.9 38.9#

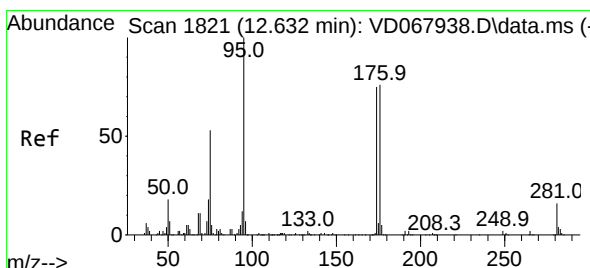
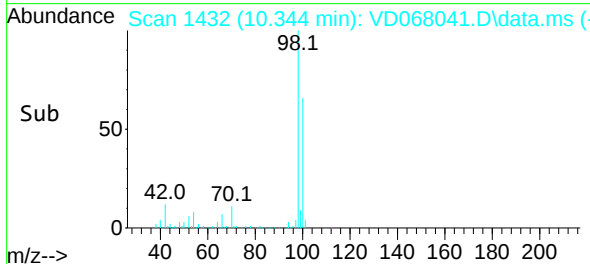
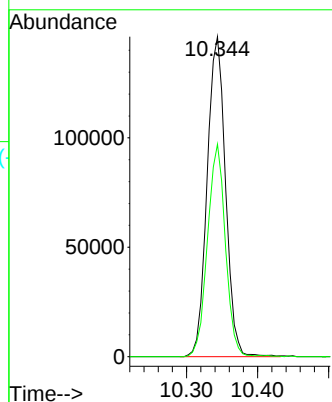
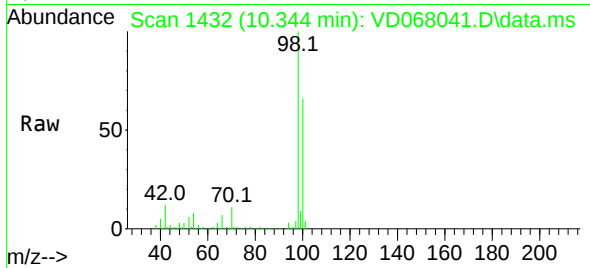




#50
Toluene-d8
Concen: 54.48 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VD068041.D
Acq: 07 Jan 2021 18:23

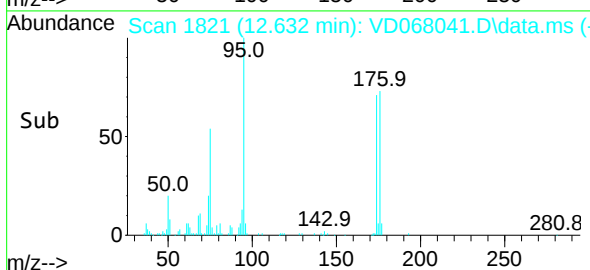
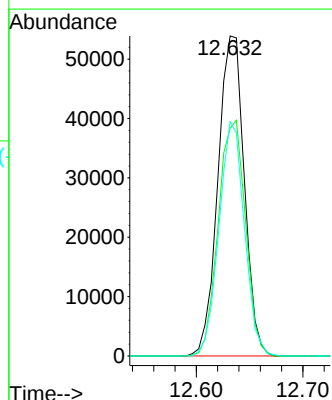
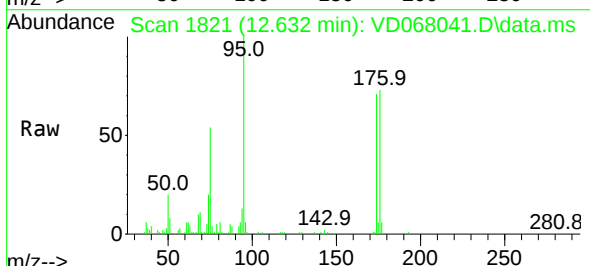
Instrument :
MSVOA_D
ClientSampled :
BALL-1

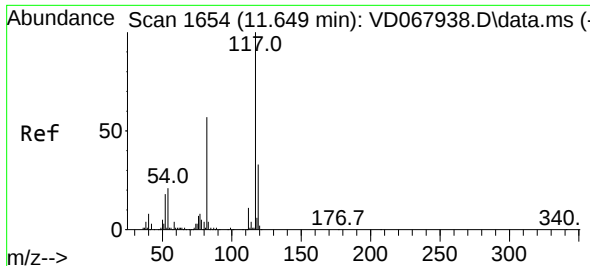
Tgt Ion: 98 Resp: 262969
Ion Ratio Lower Upper
98 100
100 64.6 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 56.03 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VD068041.D
Acq: 07 Jan 2021 18:23

Tgt Ion: 95 Resp: 92524
Ion Ratio Lower Upper
95 100
174 76.0 0.0 150.6
176 70.7 0.0 151.2

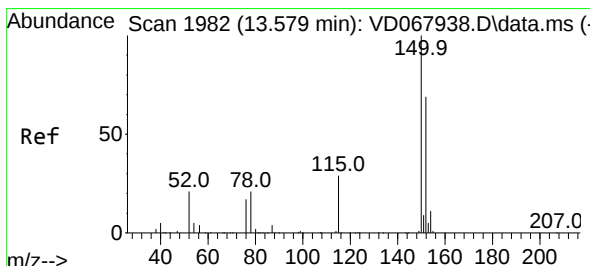
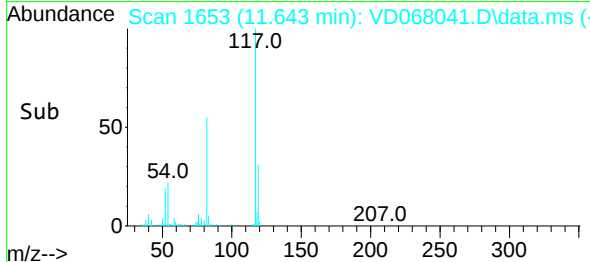
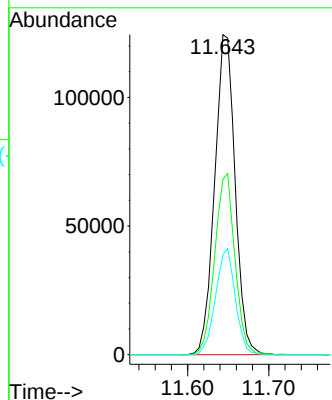
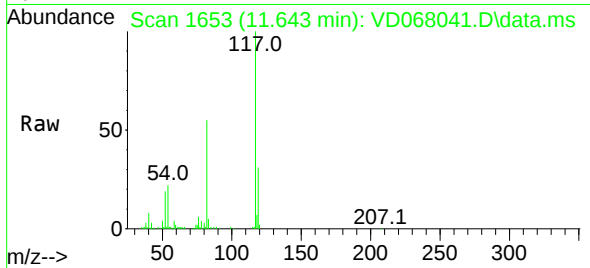




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.006 min
Lab File: VD068041.D
Acq: 07 Jan 2021 18:23

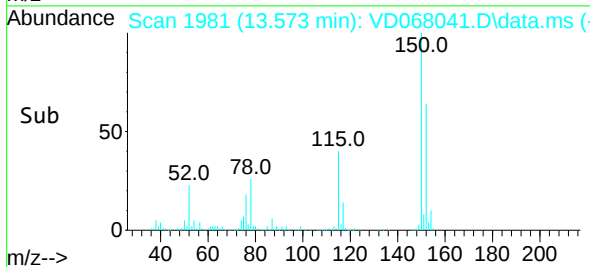
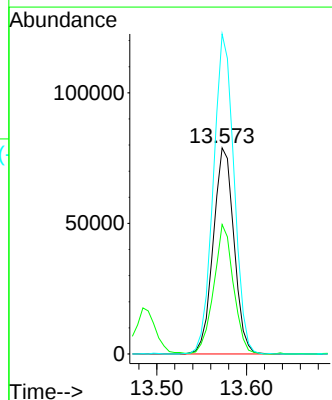
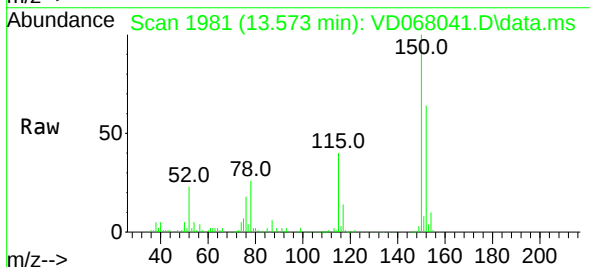
Instrument :
MSVOA_D
ClientSampleId :
BALL-1

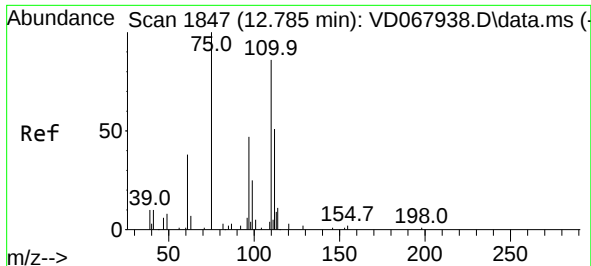
Tgt Ion:117 Resp: 218030
Ion Ratio Lower Upper
117 100
82 54.8 45.4 68.0
119 31.3 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.006 min
Lab File: VD068041.D
Acq: 07 Jan 2021 18:23

Tgt Ion:152 Resp: 126547
Ion Ratio Lower Upper
152 100
115 59.9 29.3 88.0
150 154.8 0.0 340.0

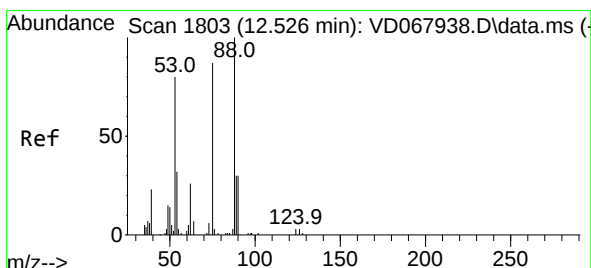
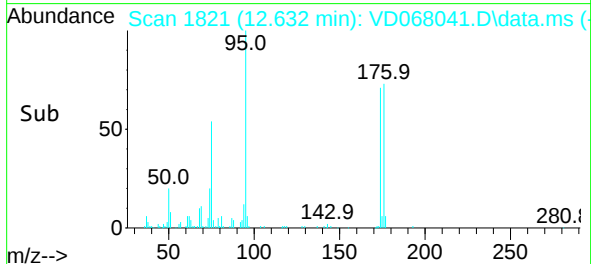
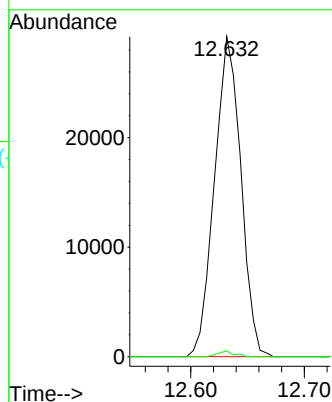
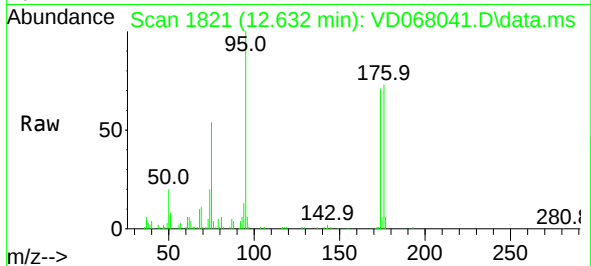




#76
1,2,3-Trichloropropane
Concen: 44.27 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068041.D
Acq: 07 Jan 2021 18:23

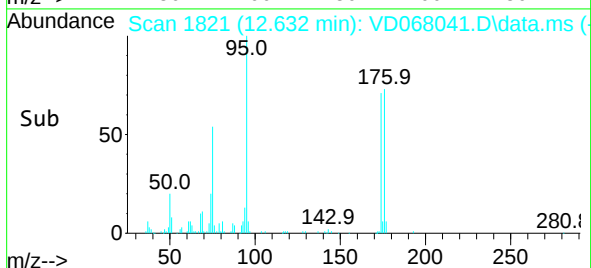
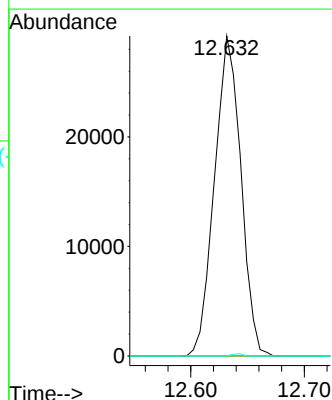
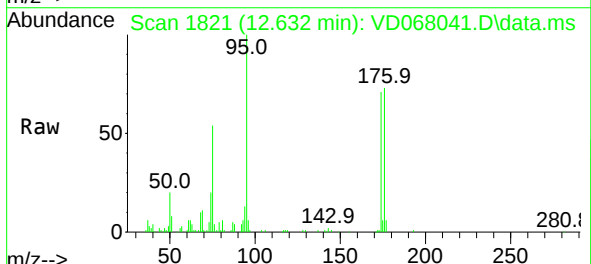
Instrument :
MSVOA_D
ClientSampled :
BALL-1

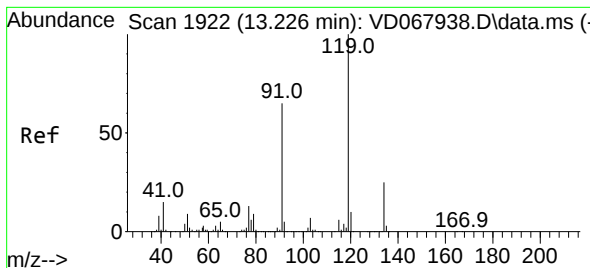
Tgt Ion: 75 Resp: 47164
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.74 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068041.D
Acq: 07 Jan 2021 18:23

Tgt Ion: 75 Resp: 47164
Ion Ratio Lower Upper
75 100
53 0.0 74.9 112.3#
89 0.3 33.8 50.8#

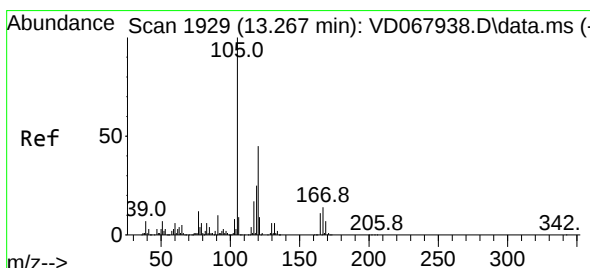
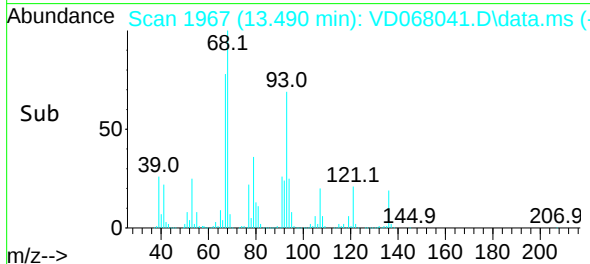
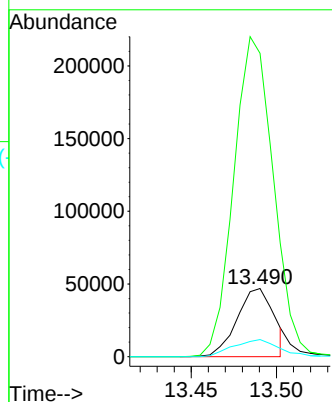
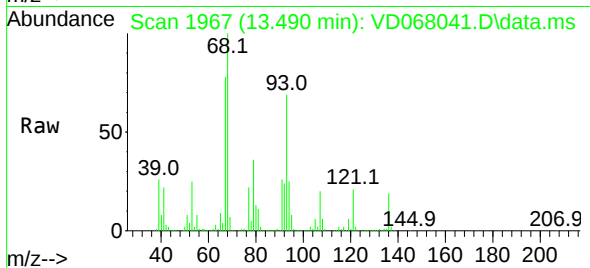




#83
tert-Butylbenzene
Concen: 10.99 ug/l
RT: 13.490 min Scan# 1967
Delta R.T. 0.265 min
Lab File: VD068041.D
Acq: 07 Jan 2021 18:23

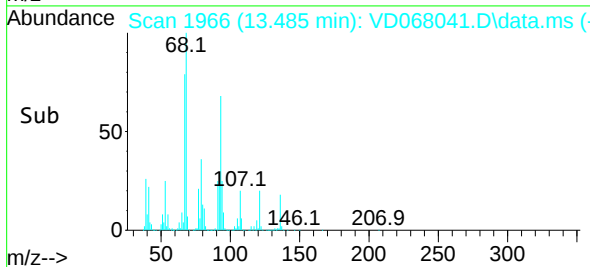
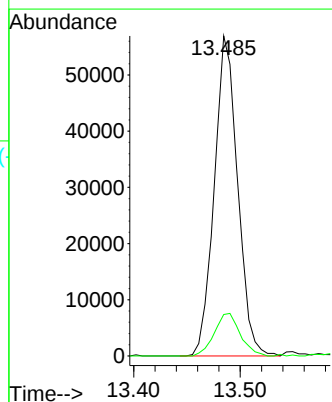
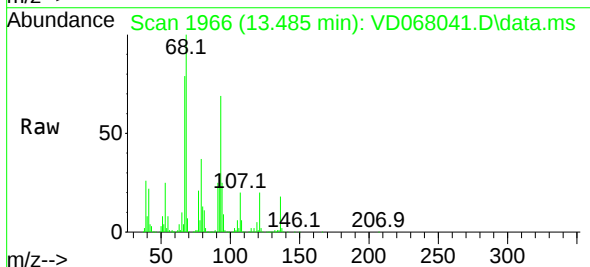
Instrument :
MSVOA_D
ClientSampleId :
BALL-1

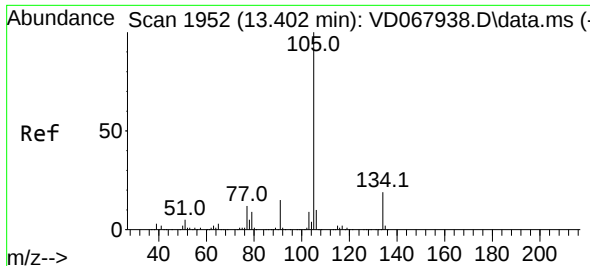
Tgt Ion:119 Resp: 70494
Ion Ratio Lower Upper
119 100
91 482.8 32.7 98.1#
134 28.2 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 11.08 ug/l
RT: 13.485 min Scan# 1966
Delta R.T. 0.218 min
Lab File: VD068041.D
Acq: 07 Jan 2021 18:23

Tgt Ion:105 Resp: 86692
Ion Ratio Lower Upper
105 100
120 14.8 22.7 68.0#

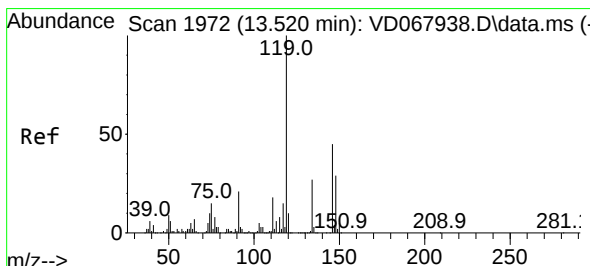
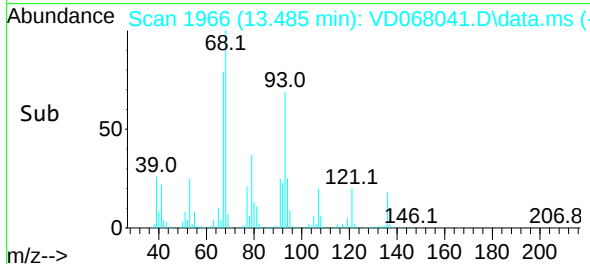
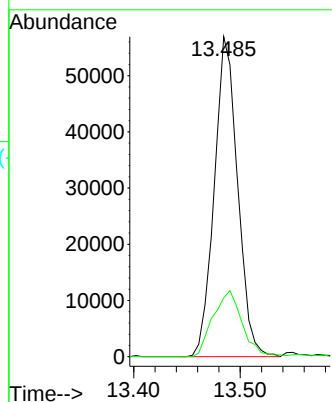
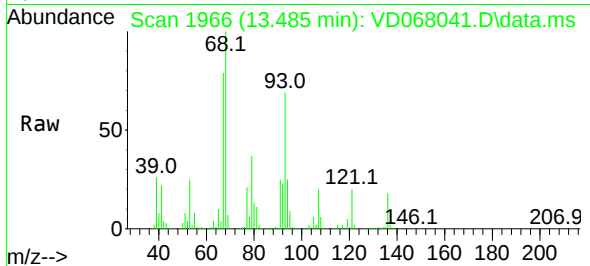




#85
 sec-Butylbenzene
 Concen: 9.23 ug/l
 RT: 13.485 min Scan# 1966
 Delta R.T. 0.082 min
 Lab File: VD068041.D
 Acq: 07 Jan 2021 18:23

Instrument :
 MSVOA_D
 ClientSampled :
 BALL-1

Tgt Ion:105 Resp: 86692
 Ion Ratio Lower Upper
 105 100
 134 25.7 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 9.35 ug/l
 RT: 13.490 min Scan# 1967
 Delta R.T. -0.029 min
 Lab File: VD068041.D
 Acq: 07 Jan 2021 18:23

Tgt Ion:119 Resp: 77219
 Ion Ratio Lower Upper
 119 100
 134 28.9 13.3 39.9
 91 462.3 11.4 34.2#

