

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042321\
 Data File : VD068977.D
 Acq On : 23 Apr 2021 19:46
 Operator : VA/SY
 Sample : M2119-01RE
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 12016RE

Quant Time: Apr 26 09:53:09 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	151709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	312969	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	108575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	10088	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	100520	62.69	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	125.38%
35) Dibromofluoromethane	7.920	113	121064	59.47	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	118.94%
50) Toluene-d8	10.337	98	206501	26.89	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	53.78%
62) 4-Bromofluorobenzene	12.626	95	23812	9.34	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	18.68%#

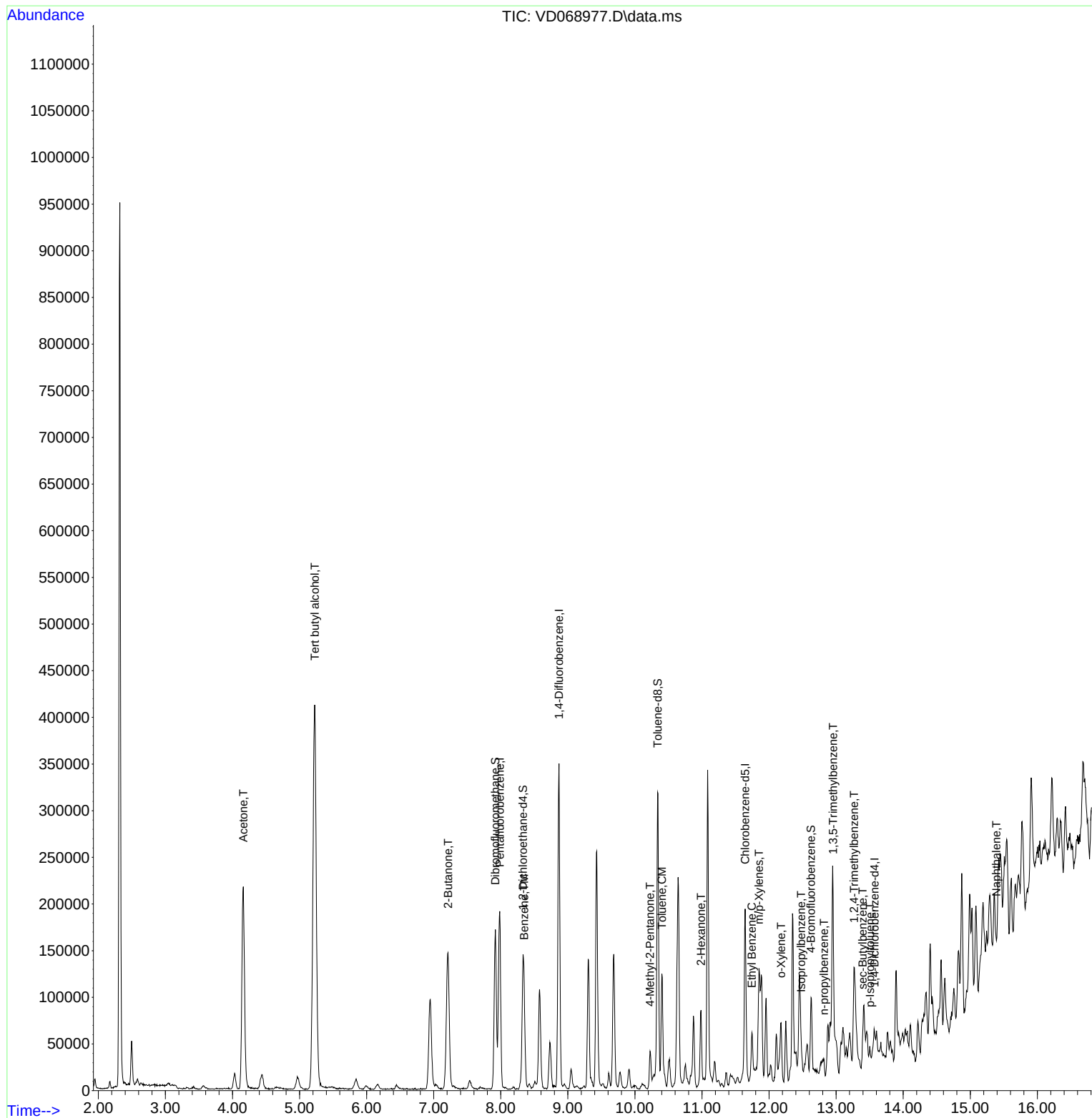
Target Compounds						Qvalue
11) Tert butyl alcohol	5.226	59	780748	10383.59	ug/l	98
16) Acetone	4.161	43	364856	1643.29	ug/l	99
25) 2-Butanone	7.214	43	175838	559.66	ug/l	99
40) Benzene	8.349	78	43722	4.72	ug/l	98
51) 4-Methyl-2-Pentanone	10.226	43	23688	24.78	ug/l	98
52) Toluene	10.402	92	54499	9.28	ug/l	96
59) 2-Hexanone	10.985	43	46502	72.69	ug/l	99
67) Ethyl Benzene	11.743	91	28040	6.89	ug/l #	85
68) m/p-Xylenes	11.849	106	30642	19.51	ug/l	99
69) o-Xylene	12.179	106	15640	10.95	ug/l	97
73) Isopropylbenzene	12.479	105	9403	12.77	ug/l	99
78) n-propylbenzene	12.820	91	13105	14.65	ug/l	96
80) 1,3,5-Trimethylbenzene	12.955	105	15789	25.64	ug/l	98
84) 1,2,4-Trimethylbenzene	13.267	105	60626	97.48	ug/l	80
85) sec-Butylbenzene	13.396	105	11909	16.15	ug/l	97
86) p-Isopropyltoluene	13.508	119	7128	10.58	ug/l	89
95) Naphthalene	15.390	128	19699	60.20	ug/l #	83

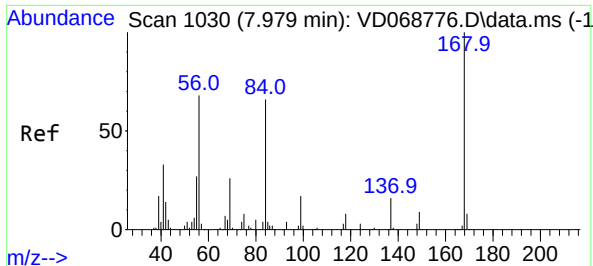
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

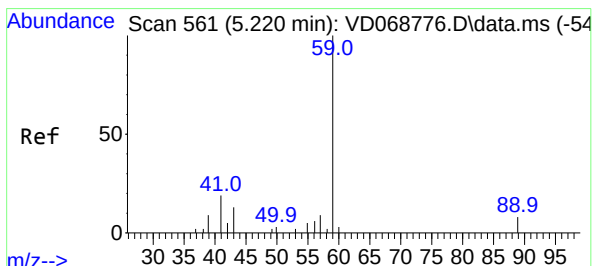
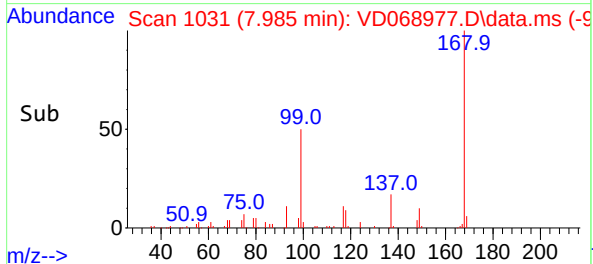
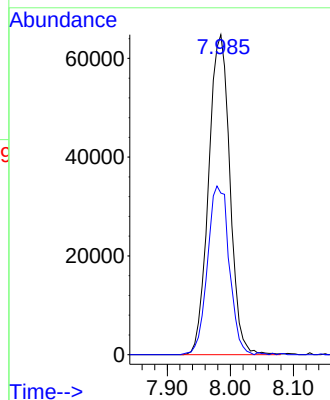
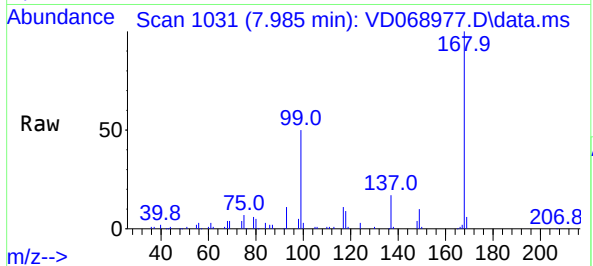




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD068977.D
Acq: 23 Apr 2021 19:46

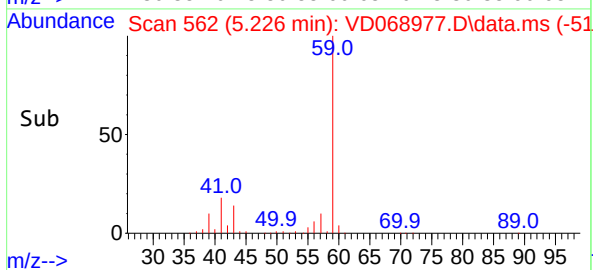
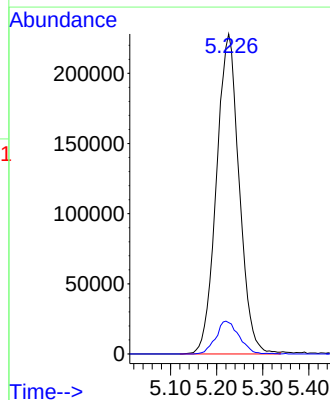
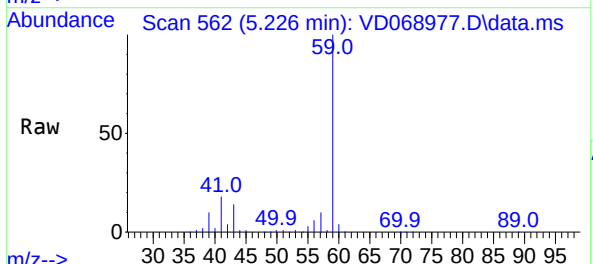
Instrument :
MSVOA_D
ClientSampleId :
12016RE

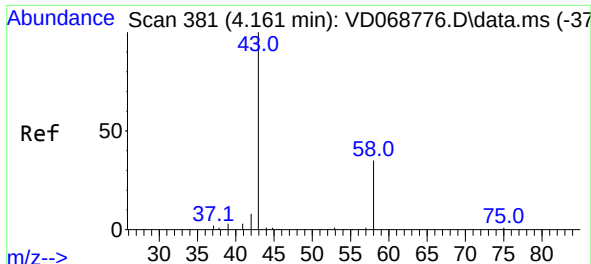
Tgt Ion:168 Resp: 151709
Ion Ratio Lower Upper
168 100
99 50.5 46.2 69.2



#11
Tert butyl alcohol
Concen: 10383.59 ug/l
RT: 5.226 min Scan# 562
Delta R.T. 0.006 min
Lab File: VD068977.D
Acq: 23 Apr 2021 19:46

Tgt Ion: 59 Resp: 780748
Ion Ratio Lower Upper
59 100
57 10.4 7.8 11.8

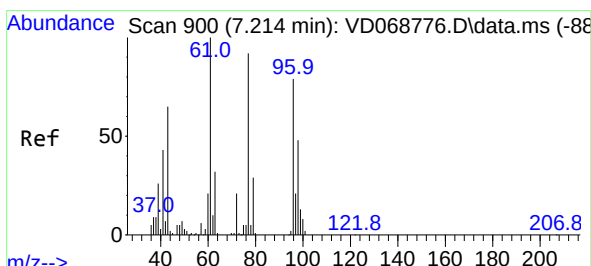
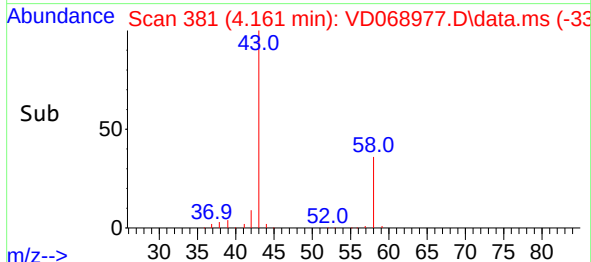
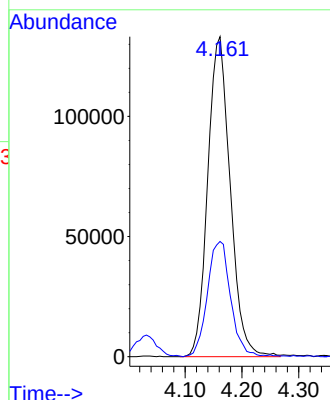
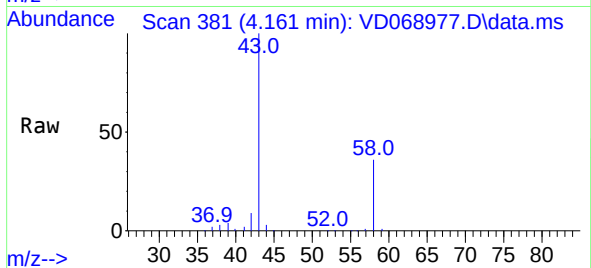




#16
Acetone
Concen: 1643.29 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068977.D
Acq: 23 Apr 2021 19:46

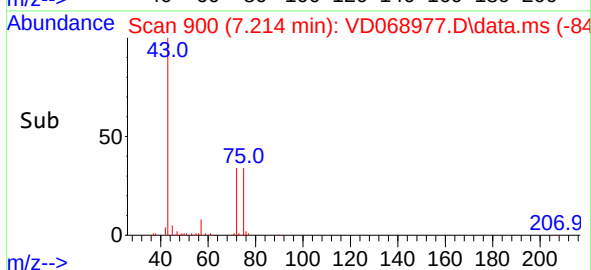
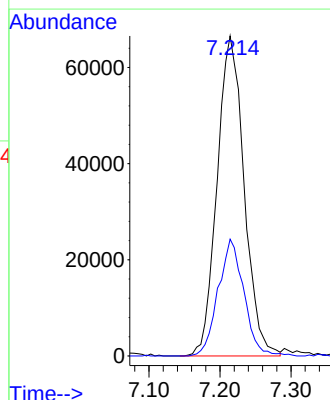
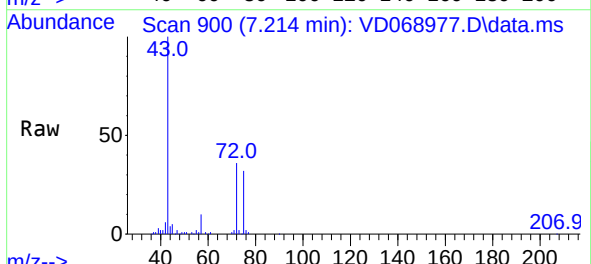
Instrument :
MSVOA_D
ClientSampleId :
12016RE

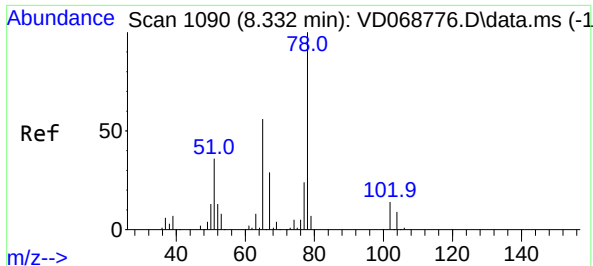
Tgt Ion: 43 Resp: 364856
Ion Ratio Lower Upper
43 100
58 35.8 28.0 42.0



#25
2-Butanone
Concen: 559.66 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD068977.D
Acq: 23 Apr 2021 19:46

Tgt Ion: 43 Resp: 175838
Ion Ratio Lower Upper
43 100
72 36.5 28.6 43.0

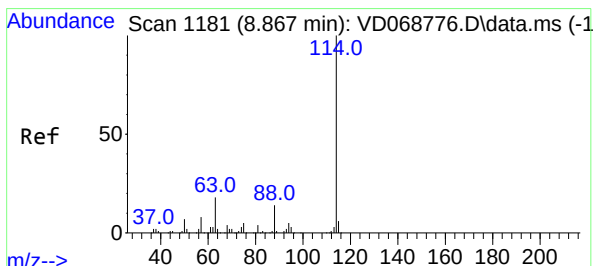
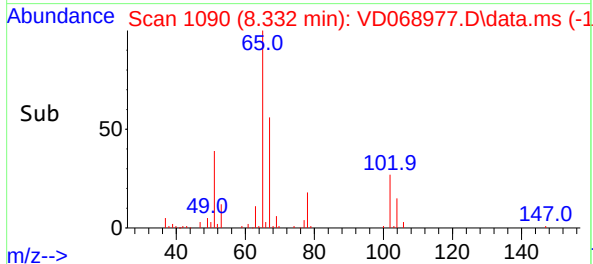
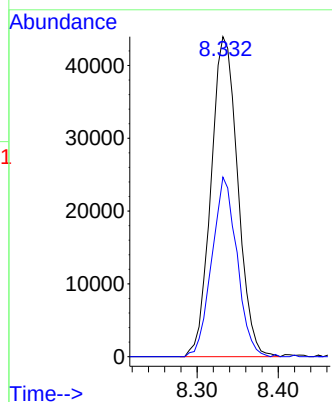
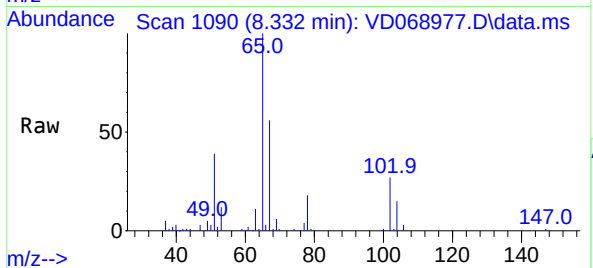




#33
1,2-Dichloroethane-d4
Concen: 62.69 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD068977.D
Acq: 23 Apr 2021 19:46

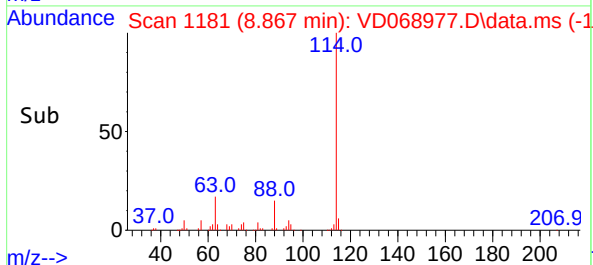
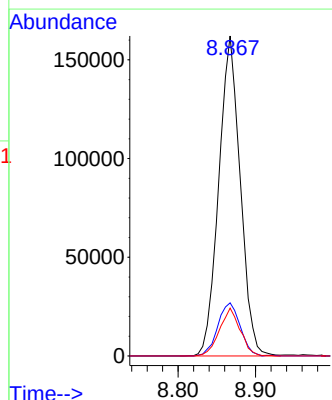
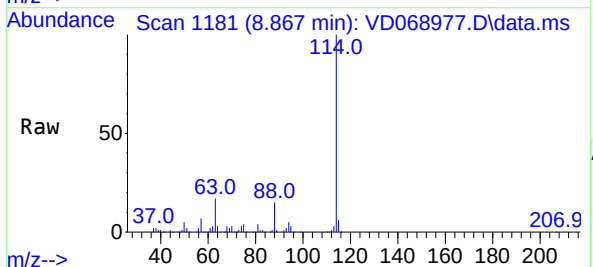
Instrument :
MSVOA_D
ClientSampleId :
12016RE

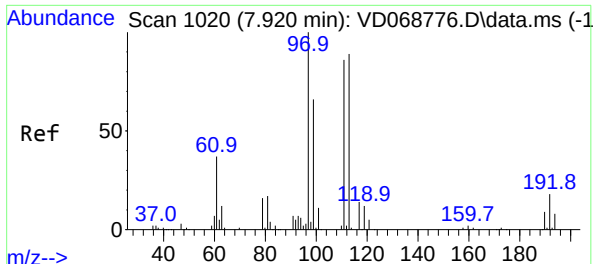
Tgt Ion: 65 Resp: 100520
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. -0.000 min
Lab File: VD068977.D
Acq: 23 Apr 2021 19:46

Tgt Ion: 114 Resp: 312969
Ion Ratio Lower Upper
114 100
63 16.6 0.0 38.2
88 14.9 0.0 29.4

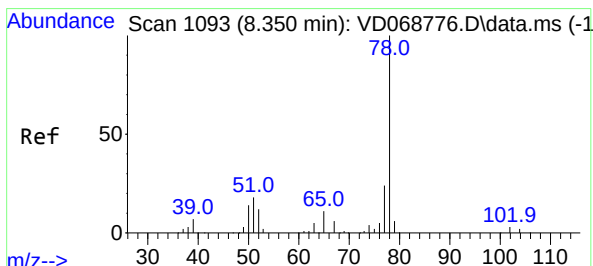
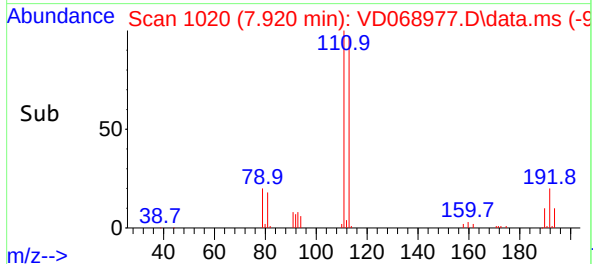
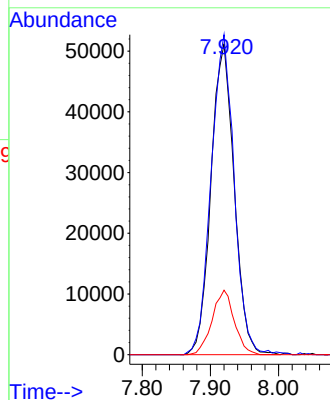
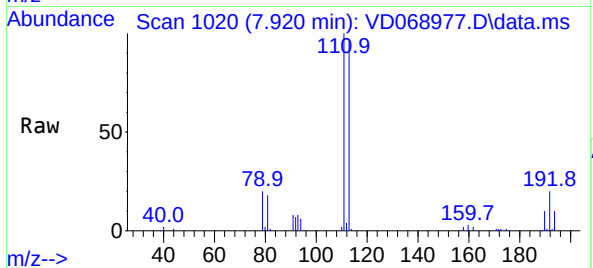




#35
Dibromofluoromethane
Concen: 59.47 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. -0.000 min
Lab File: VD068977.D
Acq: 23 Apr 2021 19:46

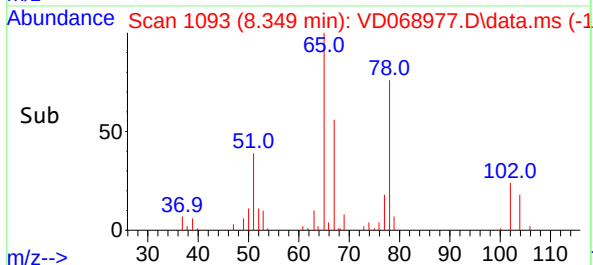
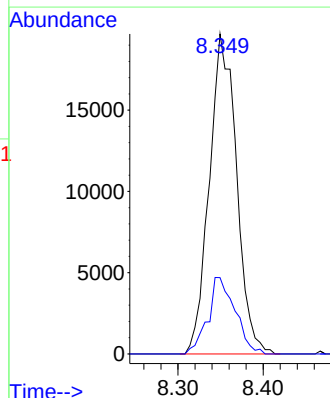
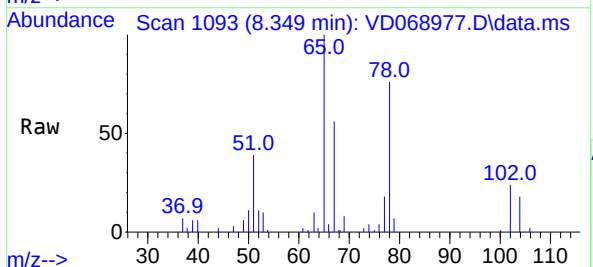
Instrument :
MSVOA_D
ClientSampleId :
12016RE

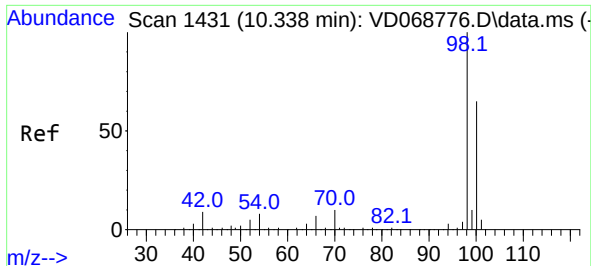
Tgt Ion:113 Resp: 121064
Ion Ratio Lower Upper
113 100
111 103.0 82.5 123.7
192 19.9 15.1 22.7



#40
Benzene
Concen: 4.72 ug/l
RT: 8.349 min Scan# 1093
Delta R.T. -0.001 min
Lab File: VD068977.D
Acq: 23 Apr 2021 19:46

Tgt Ion: 78 Resp: 43722
Ion Ratio Lower Upper
78 100
77 23.8 18.2 27.2

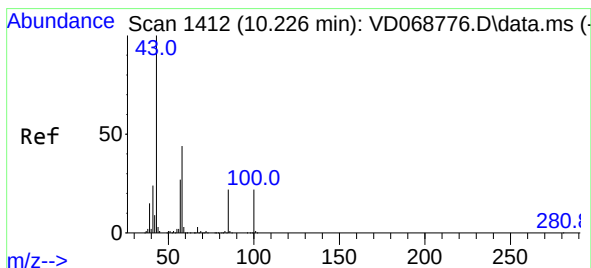
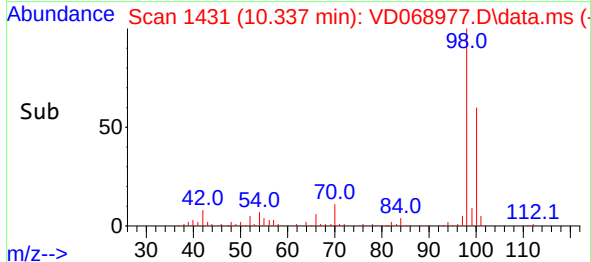
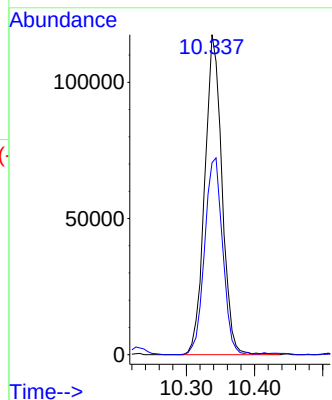
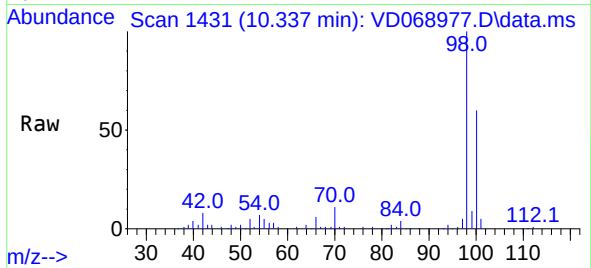




#50
Toluene-d8
Concen: 26.89 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.001 min
Lab File: VD068977.D
Acq: 23 Apr 2021 19:46

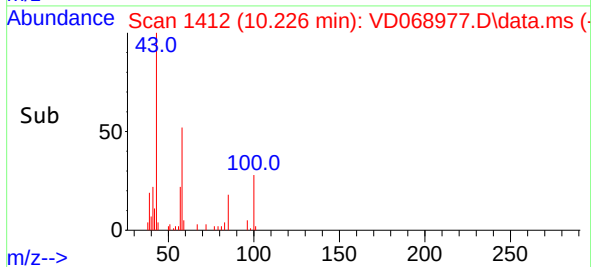
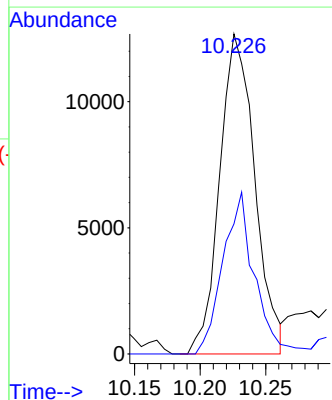
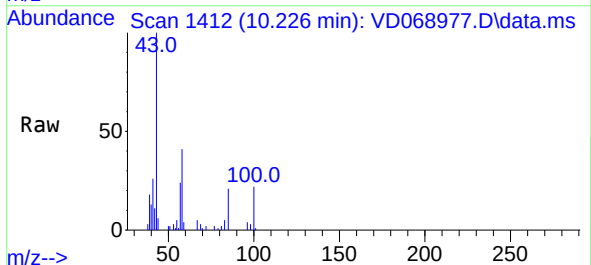
Instrument :
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ClientSampleId :
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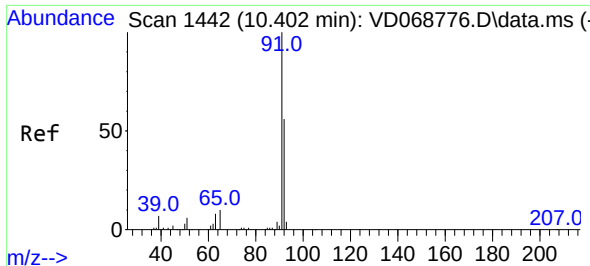
Tgt Ion: 98 Resp: 206501
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 24.78 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD068977.D
Acq: 23 Apr 2021 19:46

Tgt Ion: 43 Resp: 23688
Ion Ratio Lower Upper
43 100
58 45.4 37.3 55.9

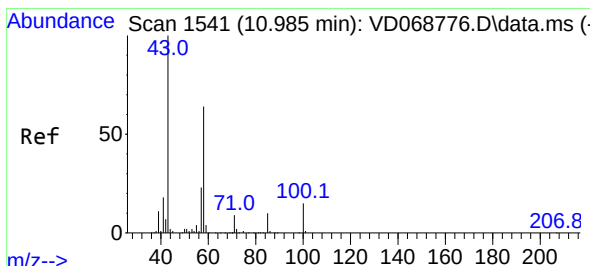
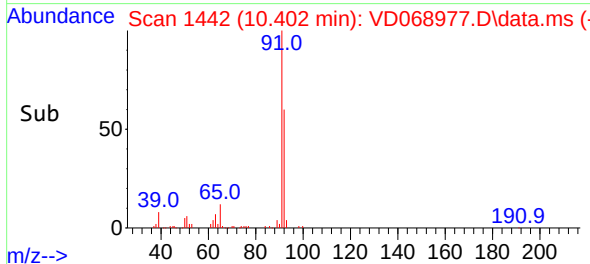
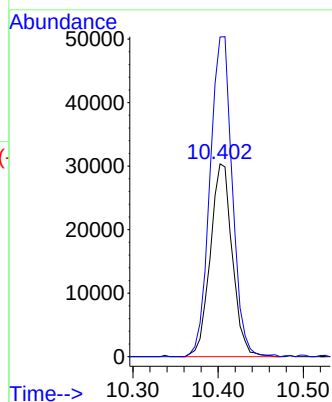
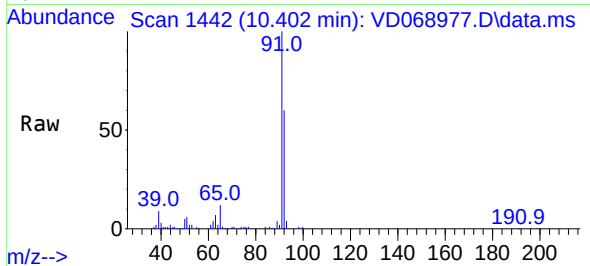




#52
Toluene
Concen: 9.28 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. 0.000 min
Lab File: VD068977.D
Acq: 23 Apr 2021 19:46

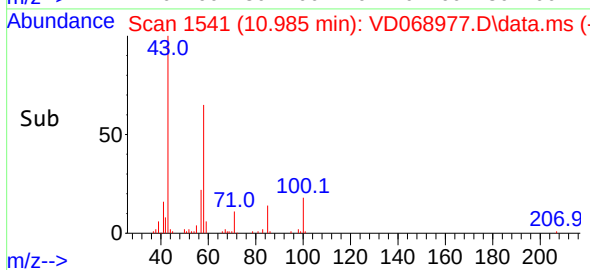
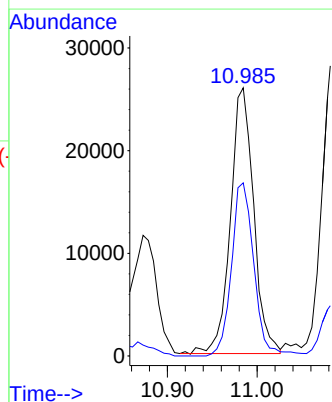
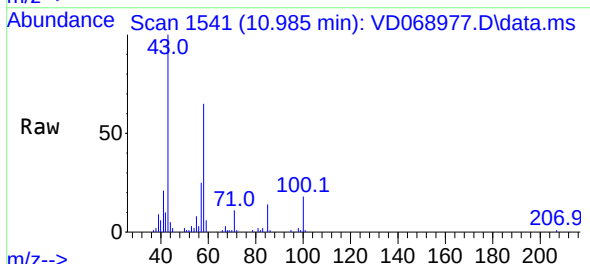
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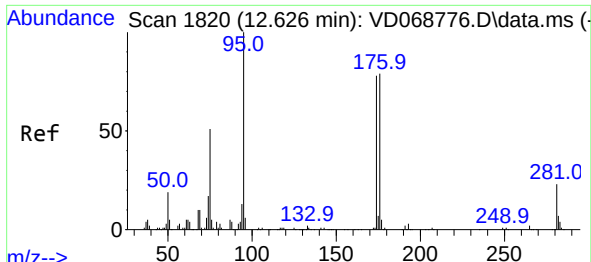
Tgt Ion: 92 Resp: 54499
Ion Ratio Lower Upper
92 100
91 168.3 139.1 208.7



#59
2-Hexanone
Concen: 72.69 ug/l
RT: 10.985 min Scan# 1541
Delta R.T. -0.000 min
Lab File: VD068977.D
Acq: 23 Apr 2021 19:46

Tgt Ion: 43 Resp: 46502
Ion Ratio Lower Upper
43 100
58 63.1 31.3 93.8

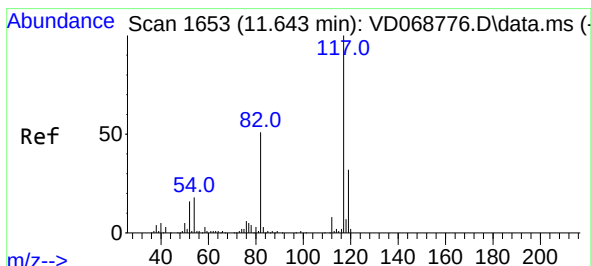
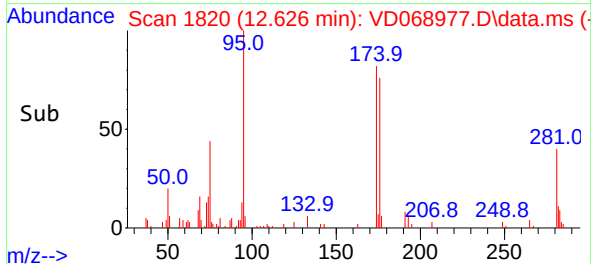
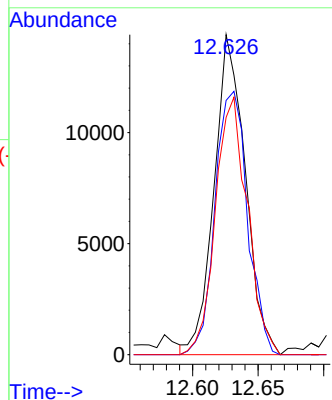
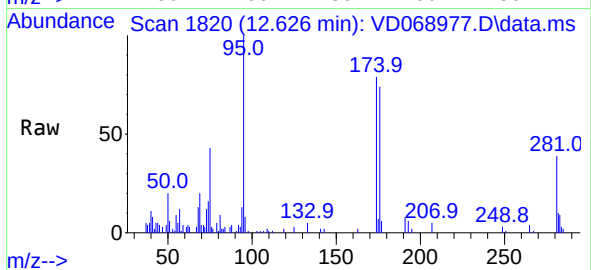




#62
4-Bromofluorobenzene
Concen: 9.34 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD068977.D
Acq: 23 Apr 2021 19:46

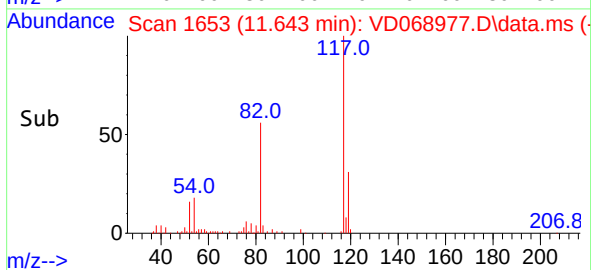
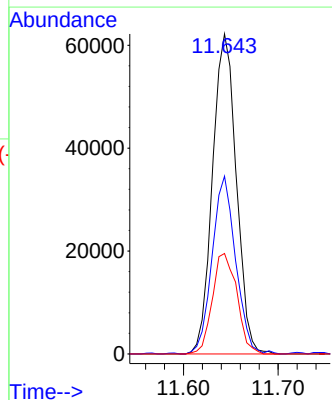
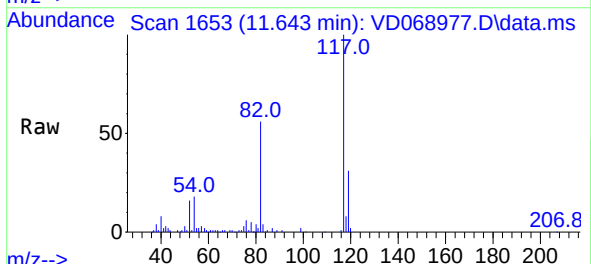
Instrument :
MSVOA_D
ClientSampleId :
12016RE

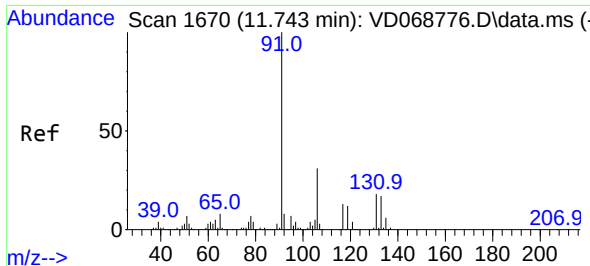
Tgt Ion: 95 Resp: 23812
Ion Ratio Lower Upper
95 100
174 86.0 0.0 168.0
176 82.4 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068977.D
Acq: 23 Apr 2021 19:46

Tgt Ion:117 Resp: 108575
Ion Ratio Lower Upper
117 100
82 55.5 43.5 65.3
119 31.4 26.7 40.1

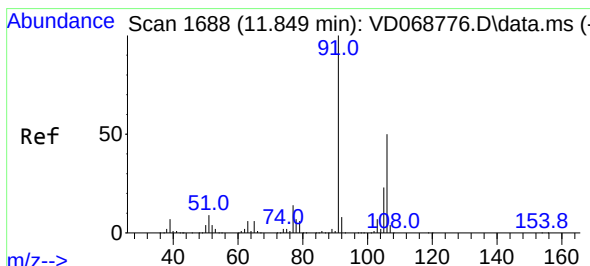
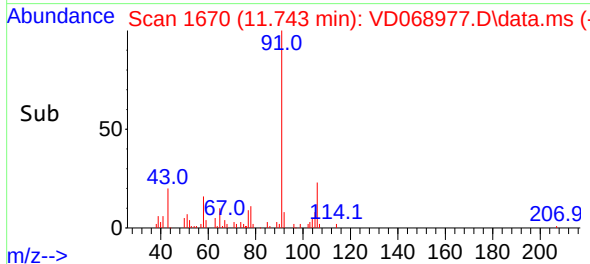
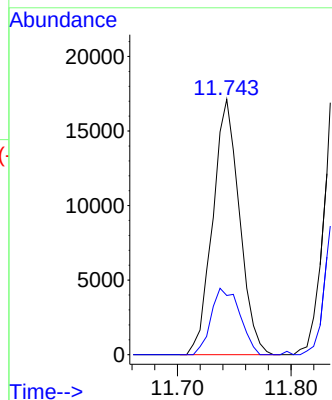
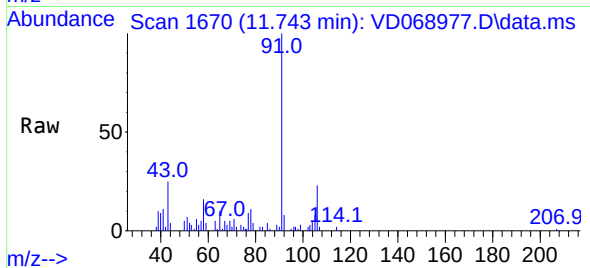




#67
Ethyl Benzene
Concen: 6.89 ug/l
RT: 11.743 min Scan# 1670
Delta R.T. 0.000 min
Lab File: VD068977.D
Acq: 23 Apr 2021 19:46

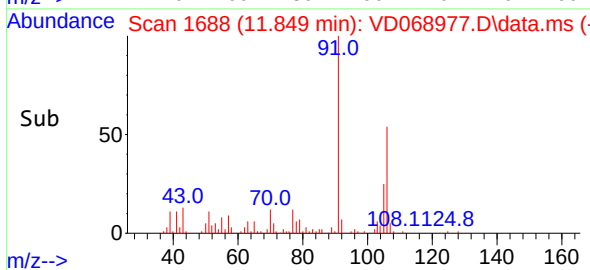
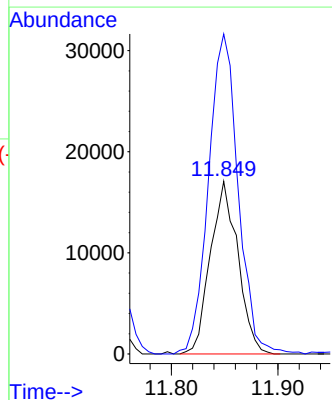
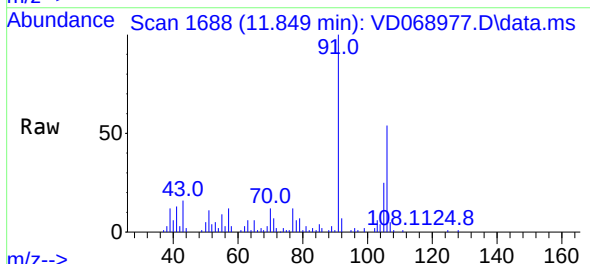
Instrument :
MSVOA_D
ClientSampleId :
12016RE

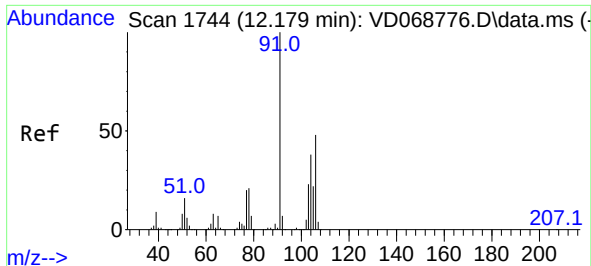
Tgt Ion: 91 Resp: 28040
Ion Ratio Lower Upper
91 100
106 23.2 25.1 37.7#



#68
m/p-Xylenes
Concen: 19.51 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VD068977.D
Acq: 23 Apr 2021 19:46

Tgt Ion: 106 Resp: 30642
Ion Ratio Lower Upper
106 100
91 199.6 158.6 238.0

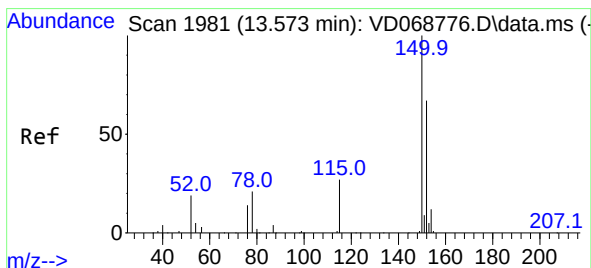
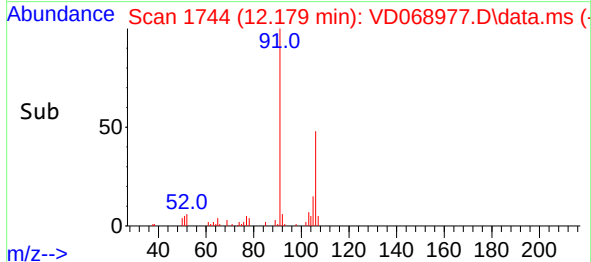
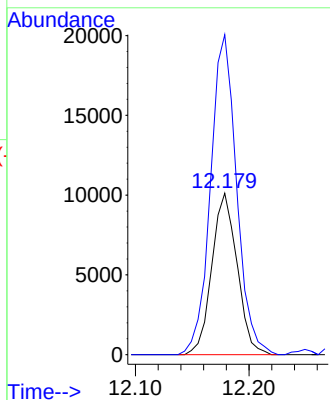
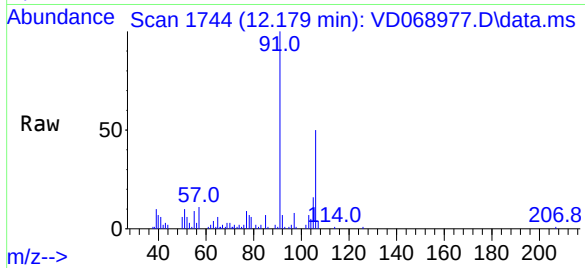




#69
o-Xylene
Concen: 10.95 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. -0.000 min
Lab File: VD068977.D
Acq: 23 Apr 2021 19:46

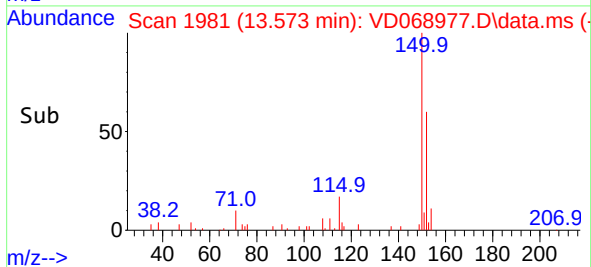
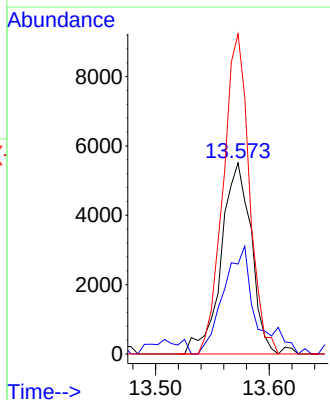
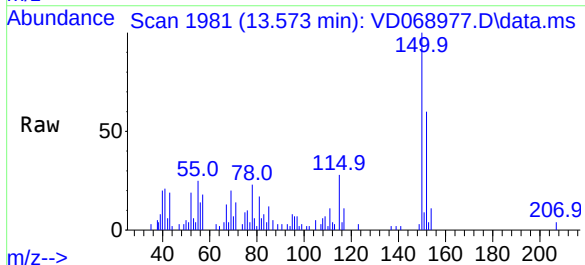
Instrument :
MSVOA_D
ClientSampleId :
12016RE

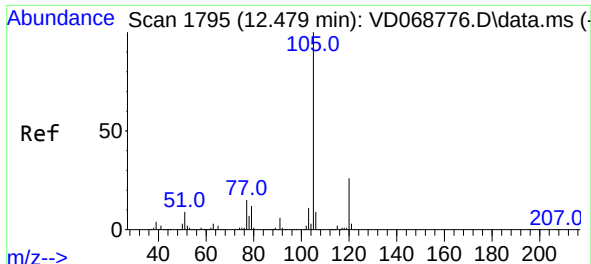
Tgt Ion:106 Resp: 15640
Ion Ratio Lower Upper
106 100
91 204.8 105.0 315.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068977.D
Acq: 23 Apr 2021 19:46

Tgt Ion:152 Resp: 10088
Ion Ratio Lower Upper
152 100
115 60.5 29.3 87.8
150 146.2 0.0 347.6

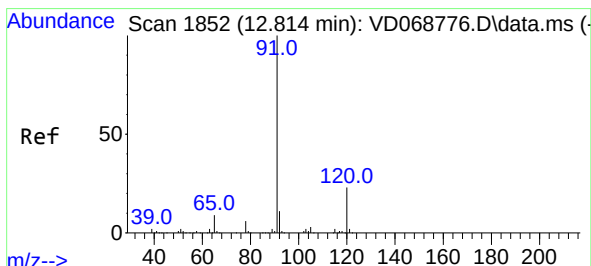
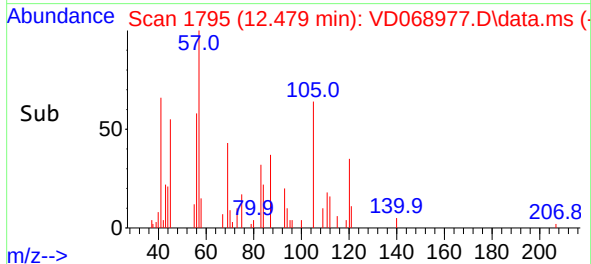
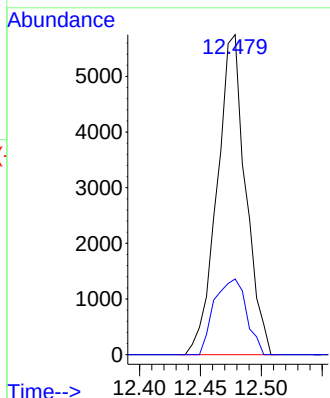
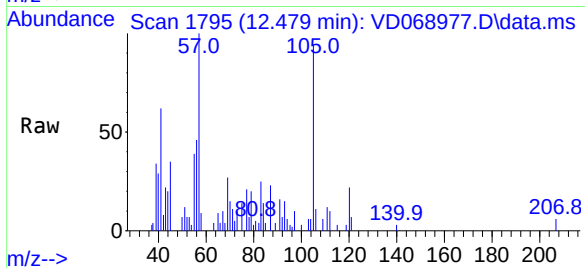




#73
Isopropylbenzene
Concen: 12.77 ug/l
RT: 12.479 min Scan# 1795
Delta R.T. -0.000 min
Lab File: VD068977.D
Acq: 23 Apr 2021 19:46

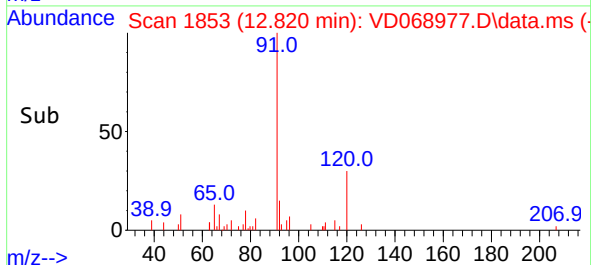
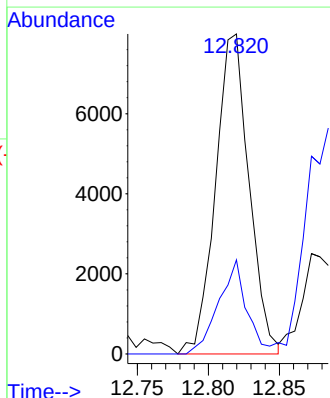
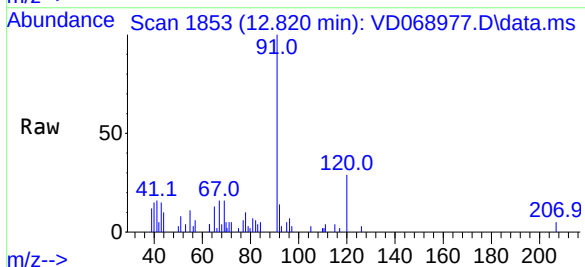
Instrument :
MSVOA_D
ClientSampleId :
12016RE

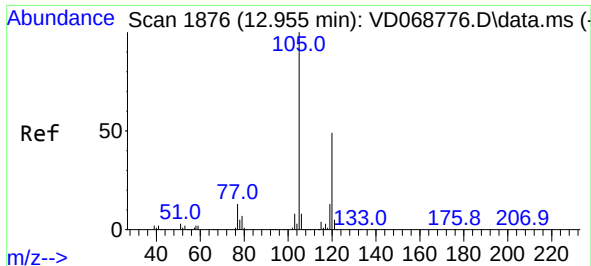
Tgt Ion:105 Resp: 9403
Ion Ratio Lower Upper
105 100
120 26.5 13.4 40.2



#78
n-propylbenzene
Concen: 14.65 ug/l
RT: 12.820 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VD068977.D
Acq: 23 Apr 2021 19:46

Tgt Ion: 91 Resp: 13105
Ion Ratio Lower Upper
91 100
120 24.7 11.4 34.2

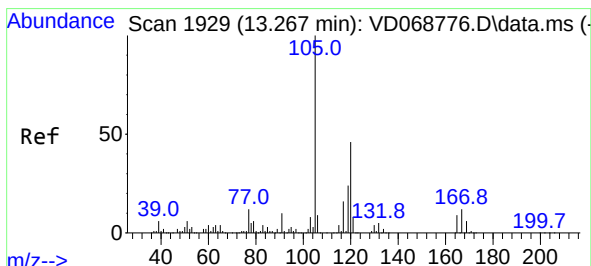
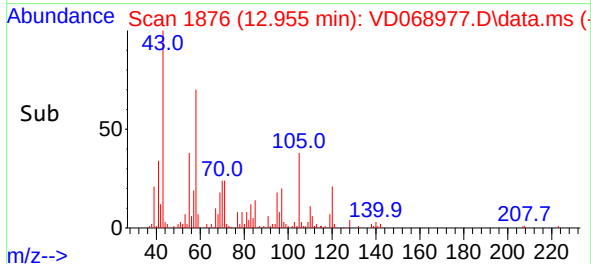
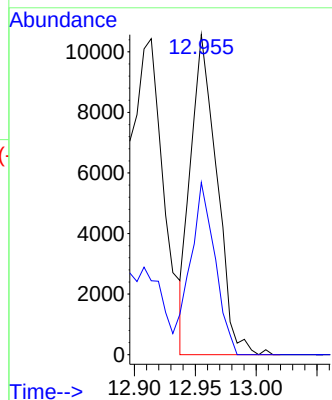
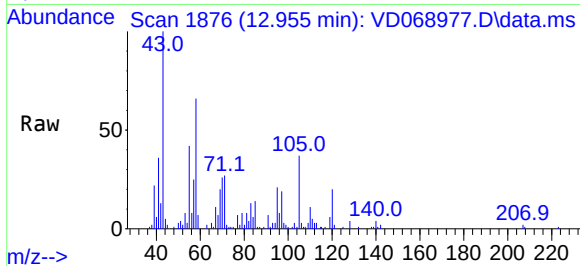




#80
1,3,5-Trimethylbenzene
Concen: 25.64 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VD068977.D
Acq: 23 Apr 2021 19:46

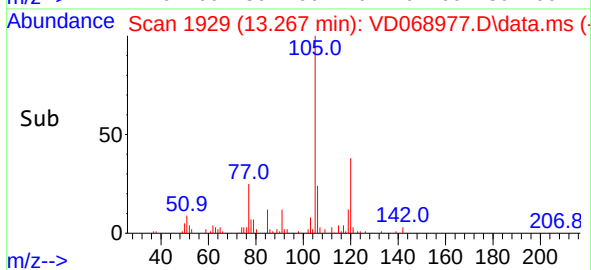
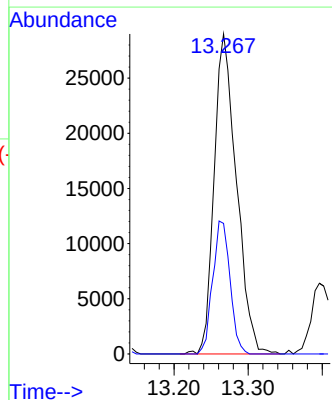
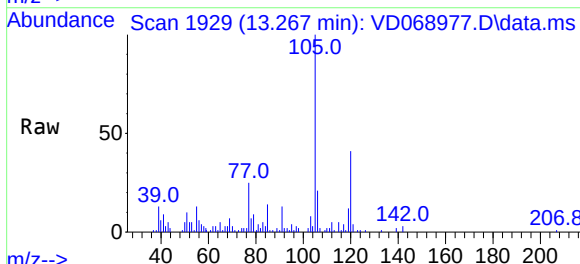
Instrument :
MSVOA_D
ClientSampleId :
12016RE

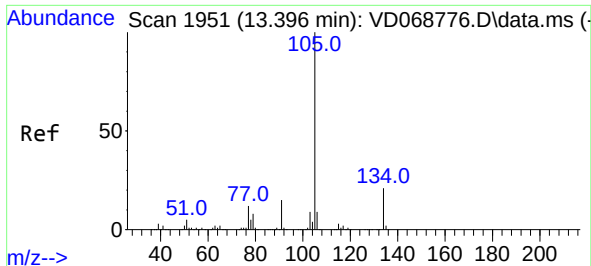
Tgt Ion:105 Resp: 15789
Ion Ratio Lower Upper
105 100
120 51.2 24.9 74.7



#84
1,2,4-Trimethylbenzene
Concen: 97.48 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. -0.000 min
Lab File: VD068977.D
Acq: 23 Apr 2021 19:46

Tgt Ion:105 Resp: 60626
Ion Ratio Lower Upper
105 100
120 32.3 22.6 67.7

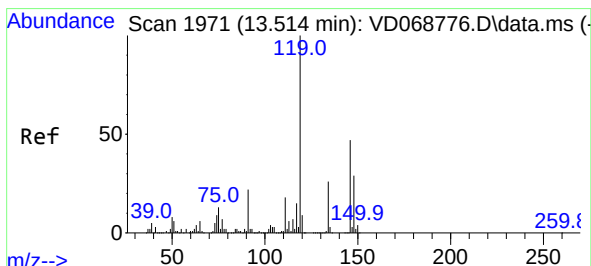
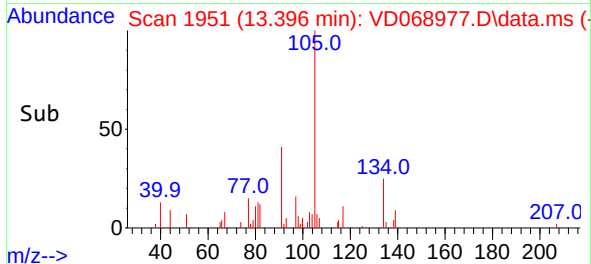
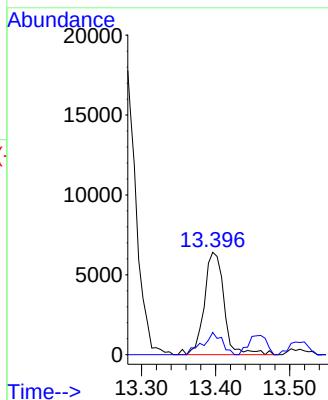
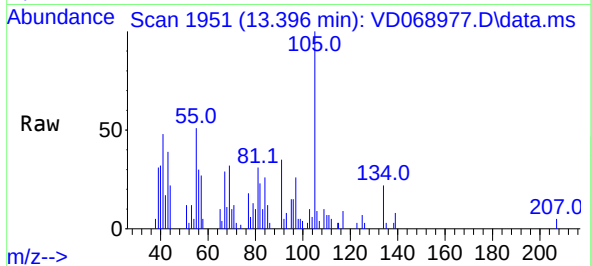




#85
 sec-Butylbenzene
 Concen: 16.15 ug/l
 RT: 13.396 min Scan# 1951
 Delta R.T. 0.000 min
 Lab File: VD068977.D
 Acq: 23 Apr 2021 19:46

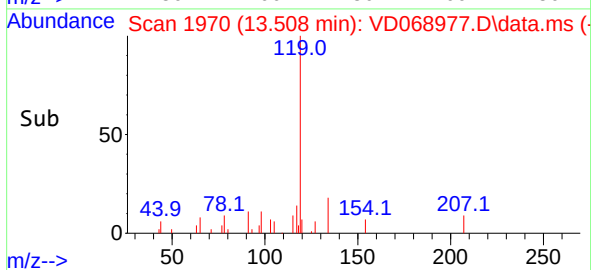
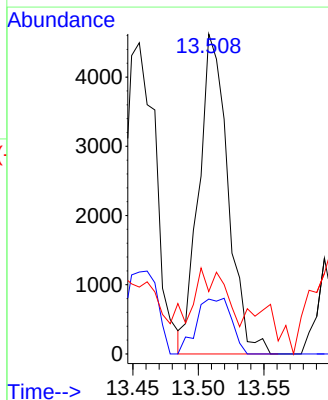
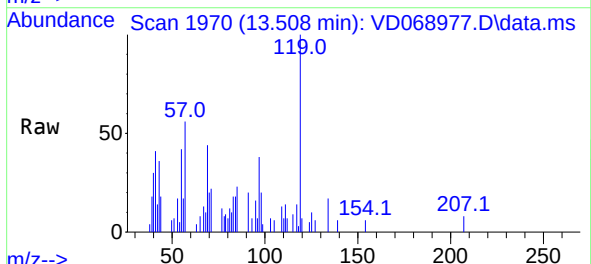
Instrument :
 MSVOA_D
 ClientSampleId :
 12016RE

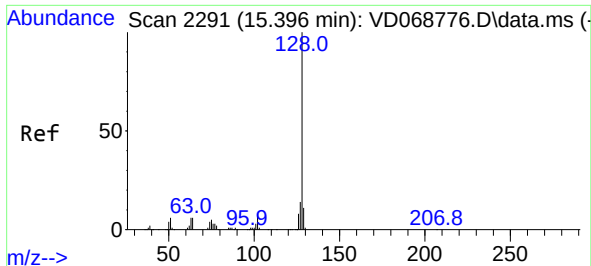
Tgt Ion:105 Resp: 11909
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 10.58 ug/l
 RT: 13.508 min Scan# 1970
 Delta R.T. -0.006 min
 Lab File: VD068977.D
 Acq: 23 Apr 2021 19:46

Tgt Ion:119 Resp: 7128
 Ion Ratio Lower Upper
 119 100
 134 20.8 13.3 39.9
 91 17.0 11.1 33.1





#95
Naphthalene
Concen: 60.20 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. -0.006 min
Lab File: VD068977.D
Acq: 23 Apr 2021 19:46

Instrument :
MSVOA_D
ClientSampleId :
12016RE

Tgt Ion:128 Resp: 19699
Ion Ratio Lower Upper
128 100
127 22.2 10.2 15.4#
129 14.2 8.9 13.3#

