

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
 Data File : VD068168.D
 Acq On : 25 Jan 2021 14:35
 Operator : VA/SY
 Sample : M1218-03
 Misc : 5.15G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 241

Quant Time: Jan 26 00:08:37 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	491683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	879969	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	692322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	202313	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	255260	54.27	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.54%
35) Dibromofluoromethane	7.920	113	261833	53.82	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.64%
50) Toluene-d8	10.344	98	1044012	53.65	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.30%
62) 4-Bromofluorobenzene	12.632	95	270553	38.61	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	77.22%

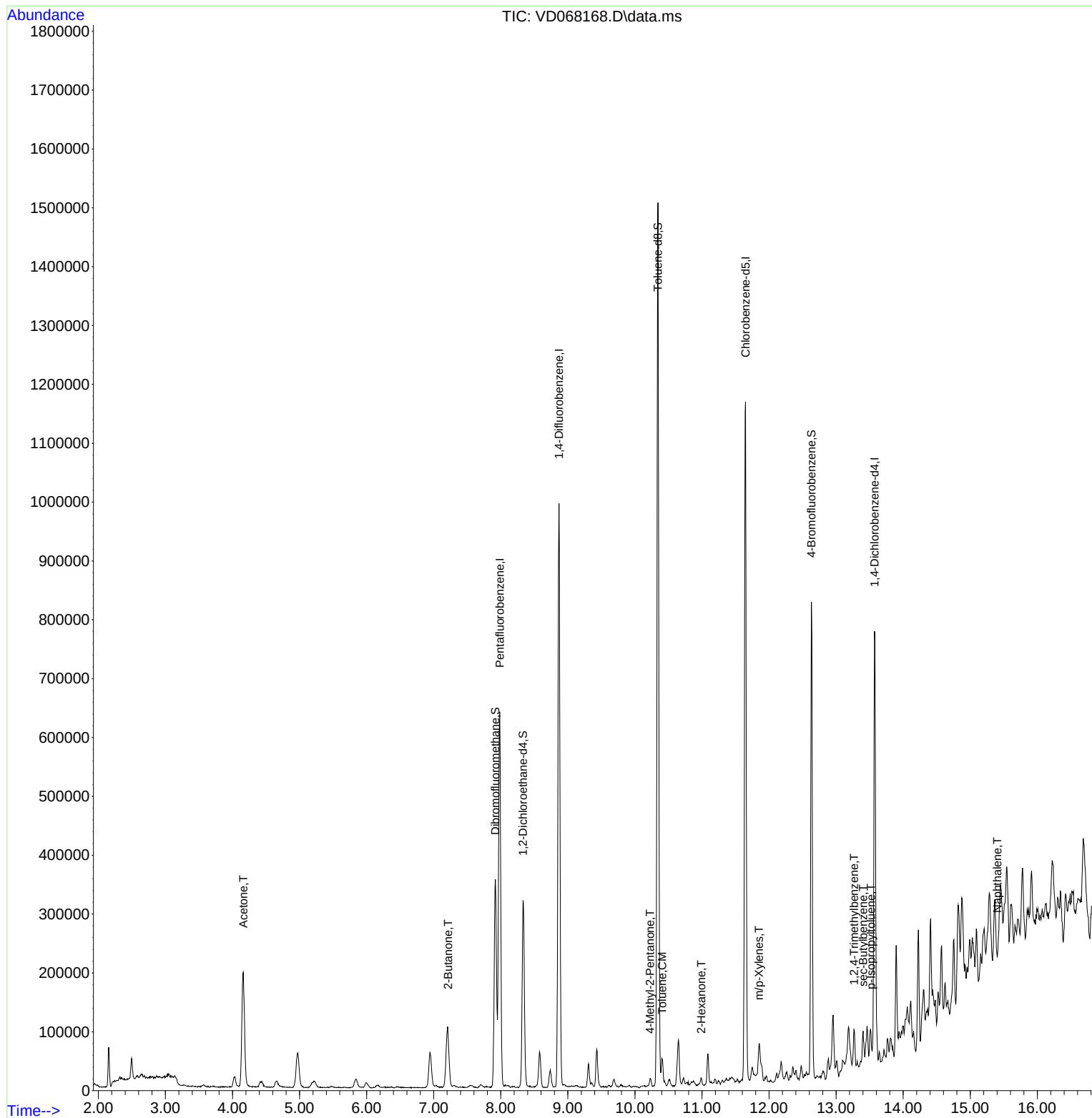
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.162	43	341994	407.22	ug/l	93
25) 2-Butanone	7.214	43	85120	67.31	ug/l	94
51) 4-Methyl-2-Pentanone	10.226	43	9833	3.23	ug/l	99
52) Toluene	10.408	92	19942	1.23	ug/l	98
59) 2-Hexanone	10.991	43	8631	4.09	ug/l	89
68) m/p-Xylenes	11.849	106	14905	1.45	ug/l	94
84) 1,2,4-Trimethylbenzene	13.267	105	42504	3.05	ug/l	98
85) sec-Butylbenzene	13.402	105	32782	1.97	ug/l	99
86) p-Isopropyltoluene	13.520	119	24407	1.61	ug/l	96
95) Naphthalene	15.402	128	8726	1.14	ug/l #	89

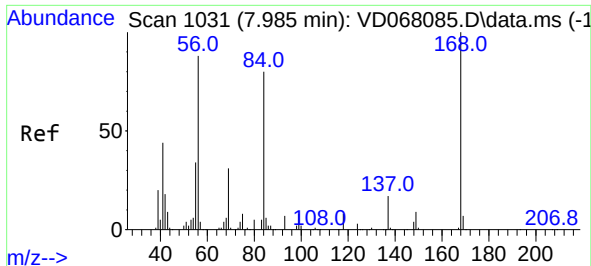
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

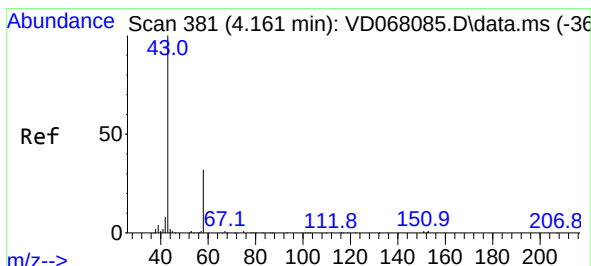
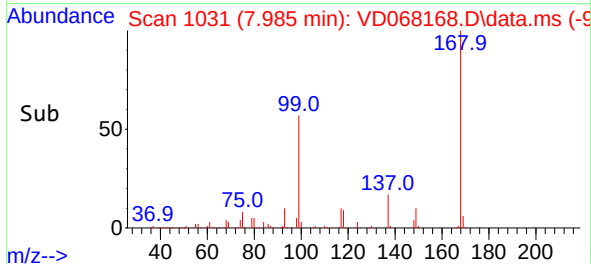
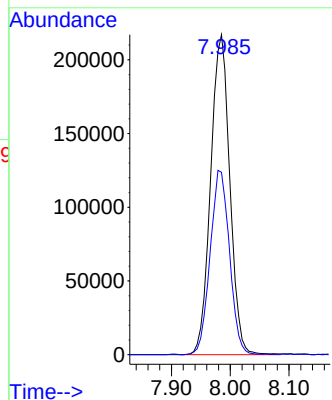
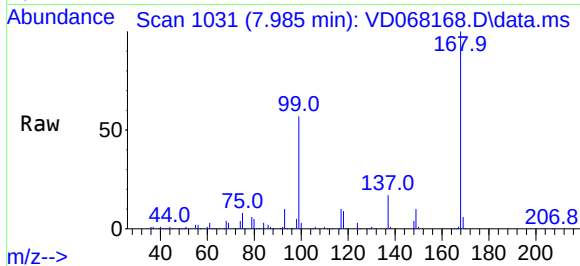




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

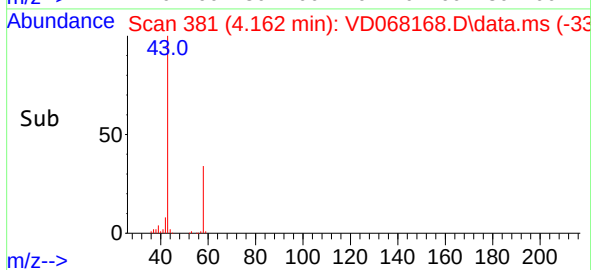
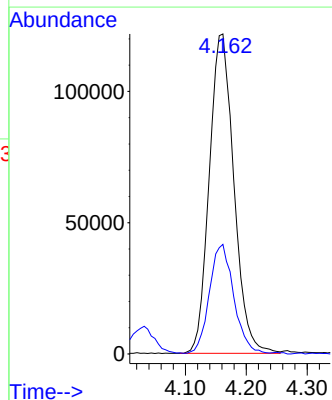
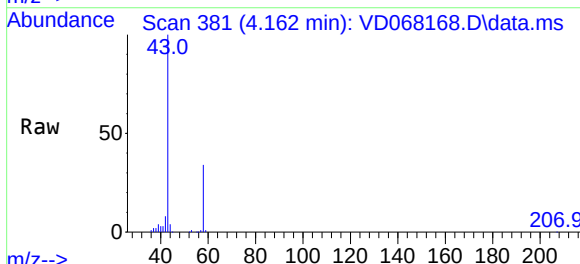
Instrument :
MSVOA_D
ClientSampled :
241

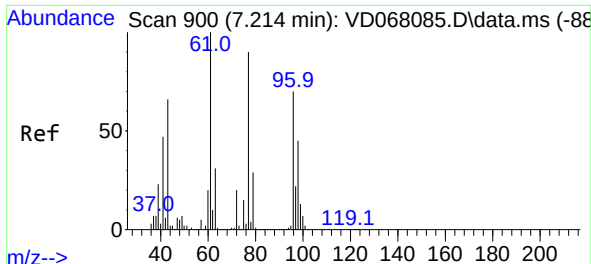
Tgt Ion:168 Resp: 491683
Ion Ratio Lower Upper
168 100
99 57.0 43.5 65.3



#16
Acetone
Concen: 407.22 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

Tgt Ion: 43 Resp: 341994
Ion Ratio Lower Upper
43 100
58 34.0 24.2 36.4

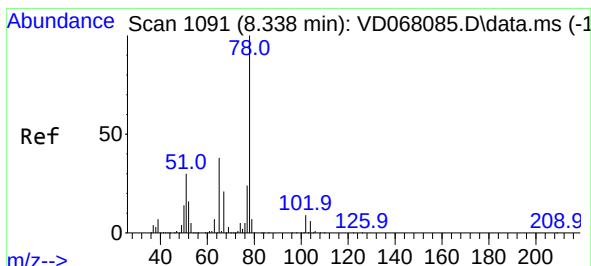
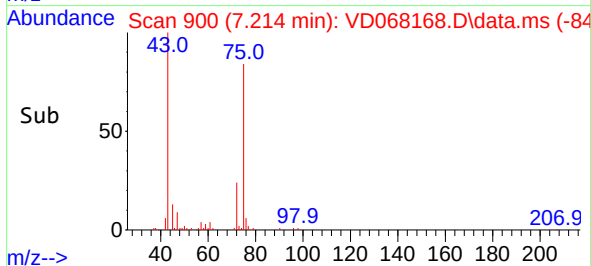
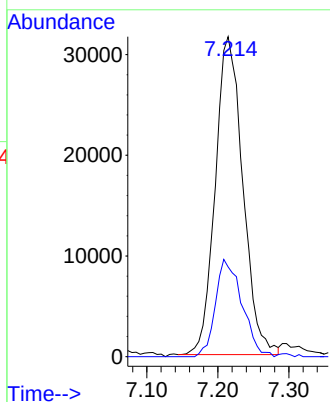
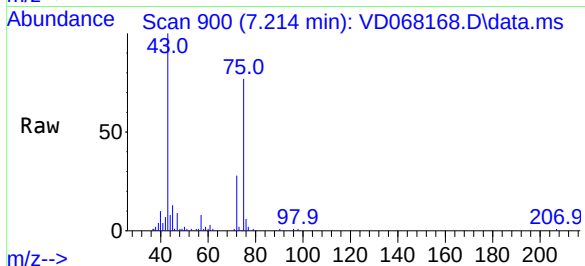




#25
2-Butanone
Concen: 67.31 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

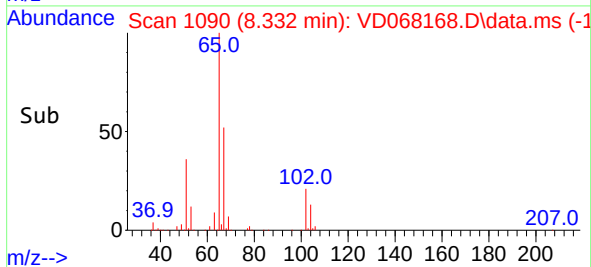
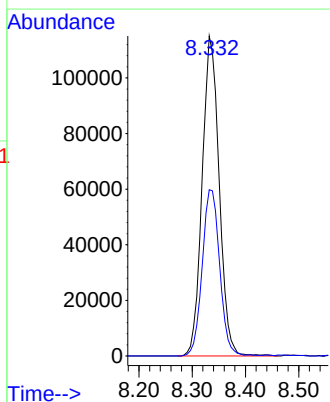
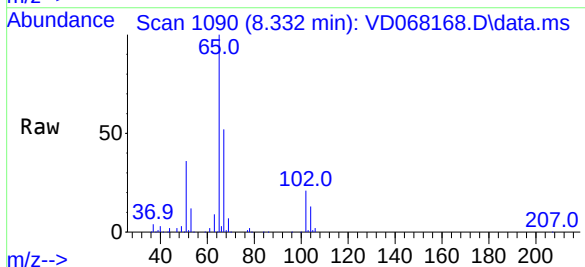
Instrument :
MSVOA_D
ClientSampled :
241

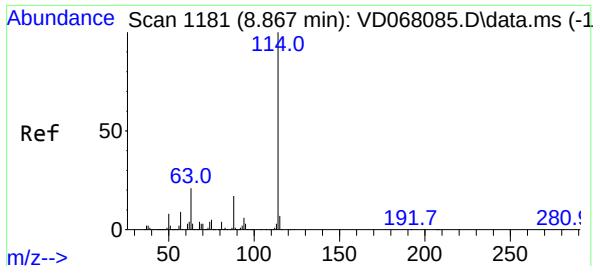
Tgt Ion: 43 Resp: 85120
Ion Ratio Lower Upper
43 100
72 28.2 25.1 37.7



#33
1,2-Dichloroethane-d4
Concen: 54.27 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

Tgt Ion: 65 Resp: 255260
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.0



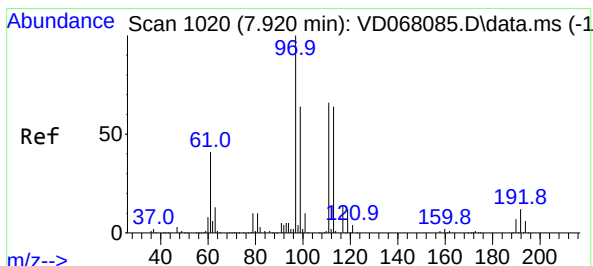
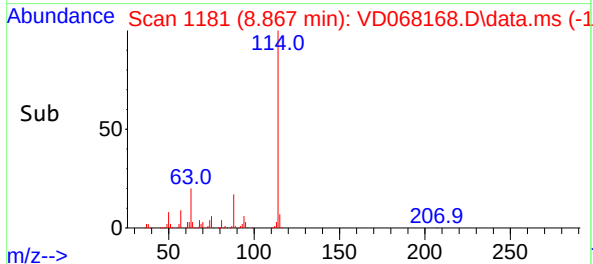
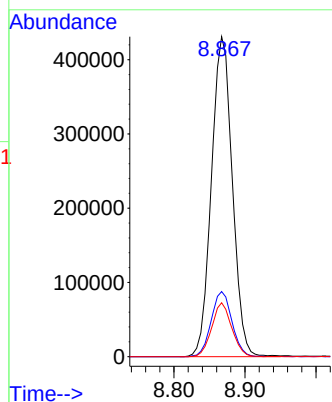
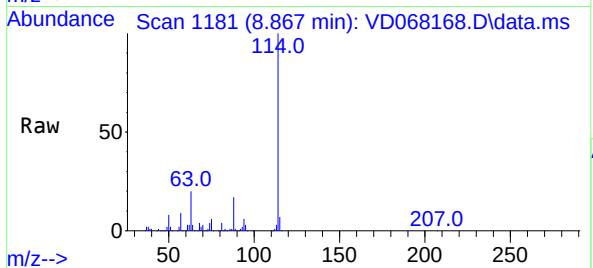


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

Instrument :
MSVOA_D
ClientSampleId :
241

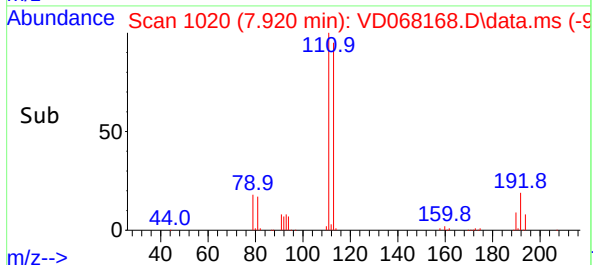
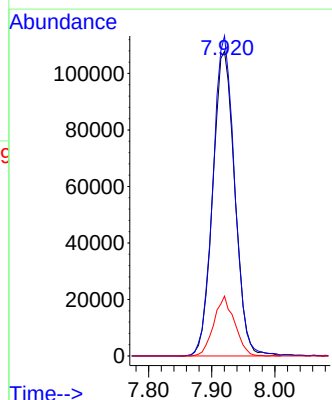
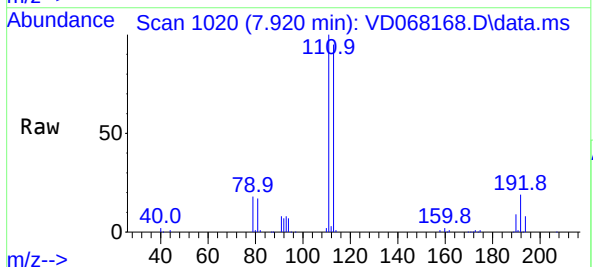
Tgt Ion:	114	Resp:	879969
Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	34.8
88	16.8	0.0	31.6

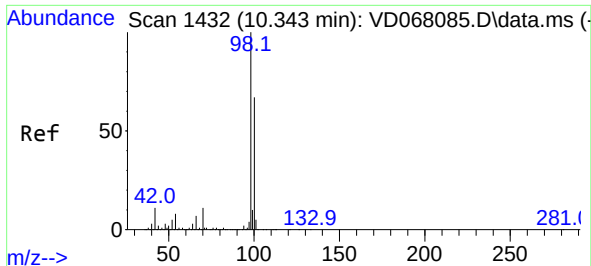


#35

Dibromofluoromethane
Concen: 53.82 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

Tgt Ion:	113	Resp:	261833
Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.4	122.0
192	18.4	16.1	24.1

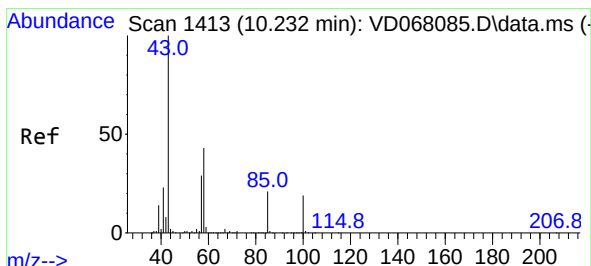
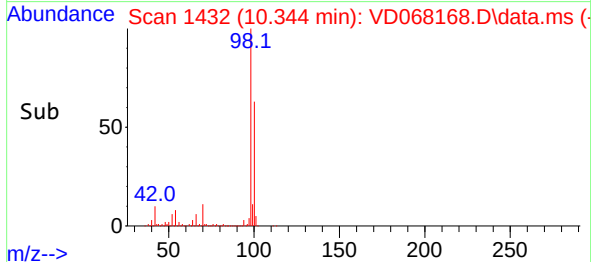
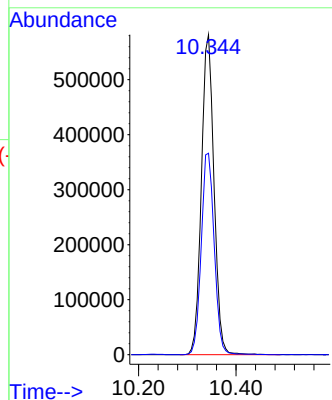
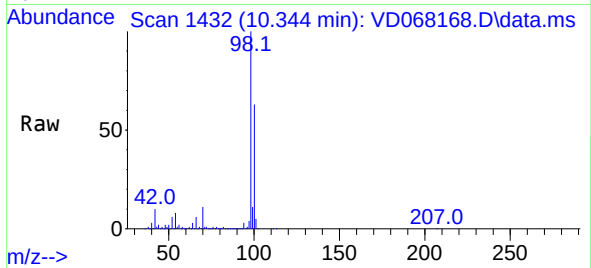




#50
Toluene-d8
Concen: 53.65 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

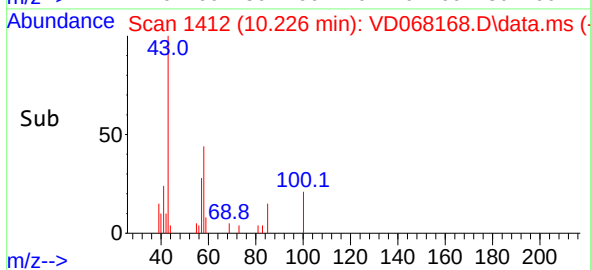
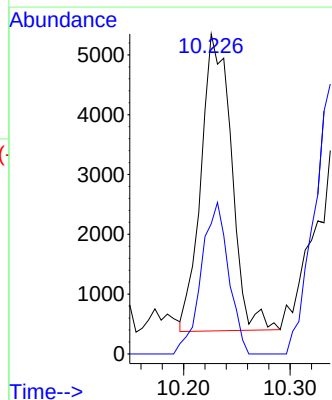
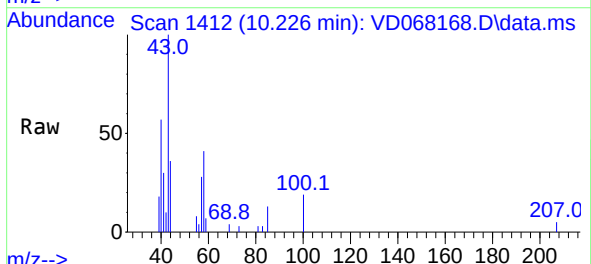
Instrument :
MSVOA_D
ClientSampled :
241

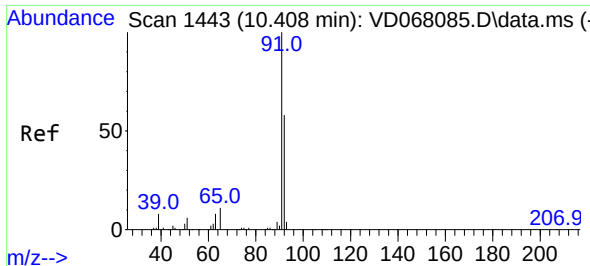
Tgt Ion: 98 Resp: 1044012
Ion Ratio Lower Upper
98 100
100 64.8 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 3.23 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.006 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

Tgt Ion: 43 Resp: 9833
Ion Ratio Lower Upper
43 100
58 45.8 36.1 54.1

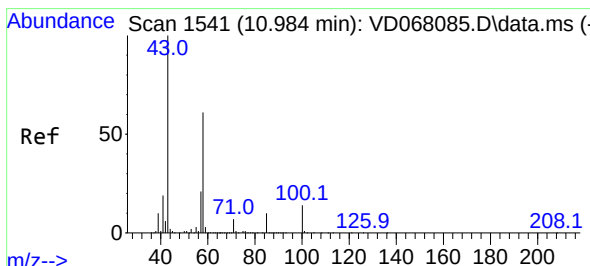
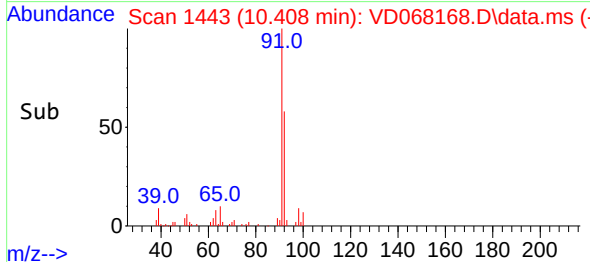
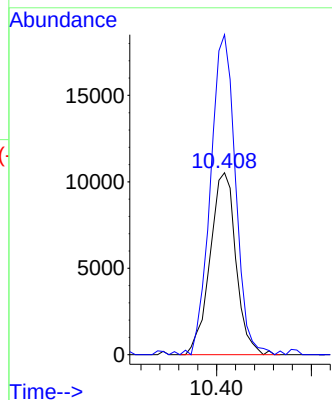
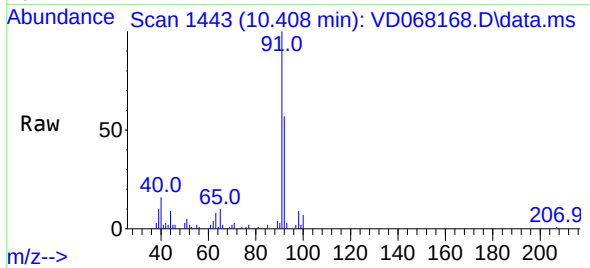




#52
Toluene
Concen: 1.23 ug/l
RT: 10.408 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

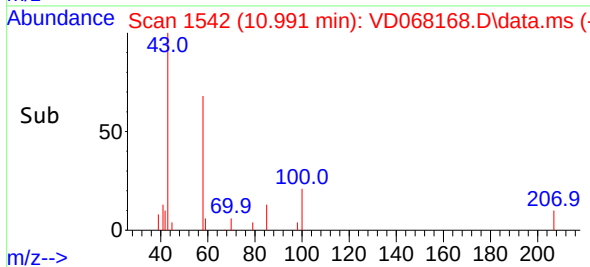
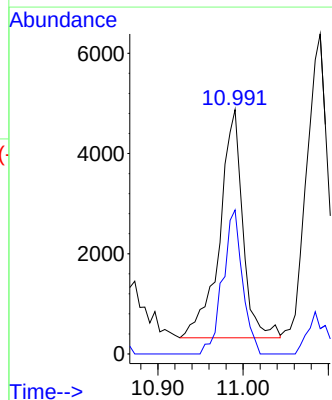
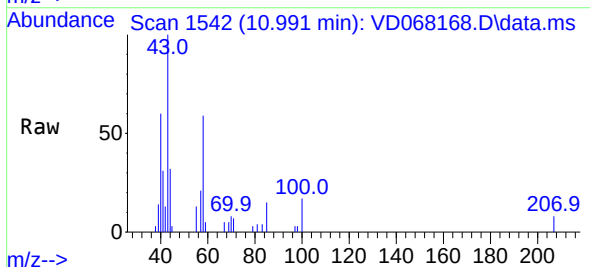
Instrument :
MSVOA_D
ClientSampled :
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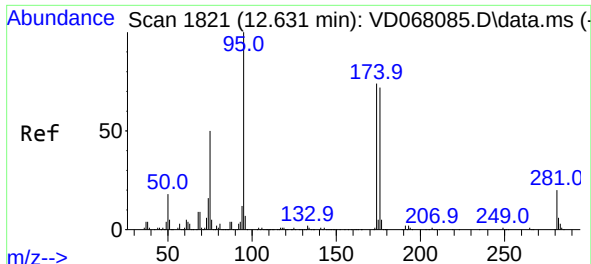
Tgt Ion: 92 Resp: 19942
Ion Ratio Lower Upper
92 100
91 169.8 134.1 201.1



#59
2-Hexanone
Concen: 4.09 ug/l
RT: 10.991 min Scan# 1542
Delta R.T. 0.006 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

Tgt Ion: 43 Resp: 8631
Ion Ratio Lower Upper
43 100
58 53.4 31.0 93.0

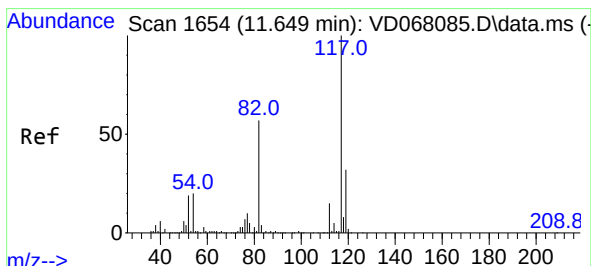
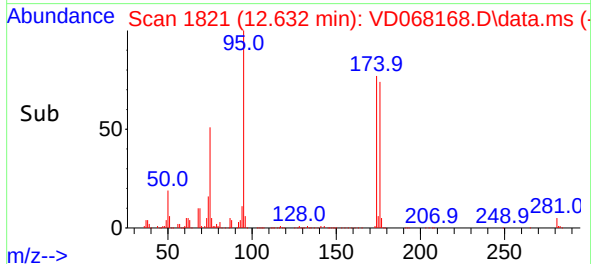
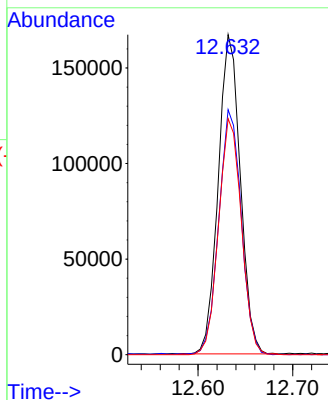
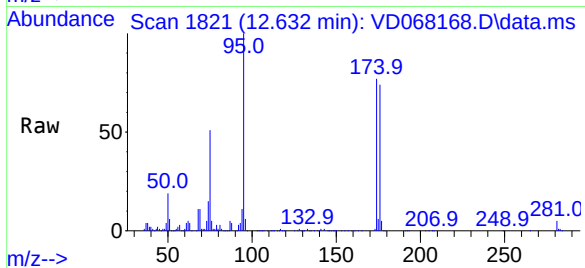




#62
4-Bromofluorobenzene
Concen: 38.61 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

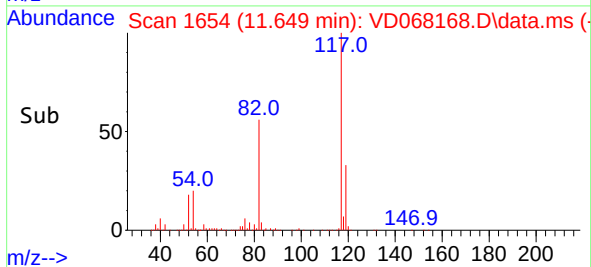
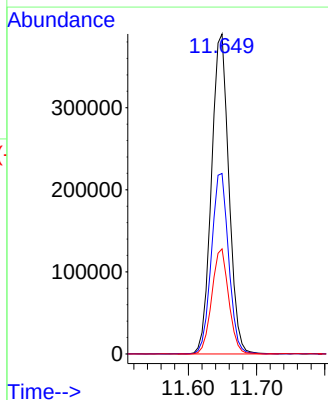
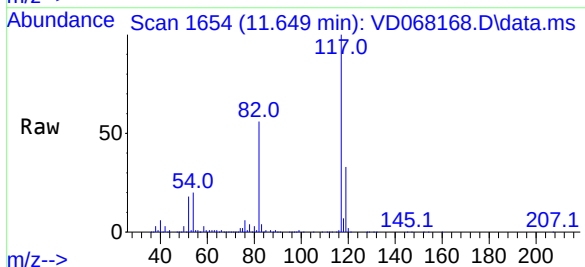
Instrument :
MSVOA_D
ClientSampleId :
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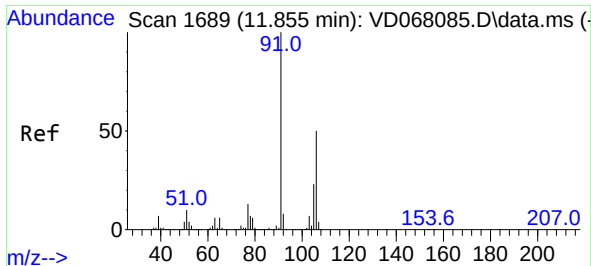
Tgt Ion: 95 Resp: 270553
Ion Ratio Lower Upper
95 100
174 78.3 0.0 172.4
176 76.2 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

Tgt Ion: 117 Resp: 692322
Ion Ratio Lower Upper
117 100
82 56.4 41.4 62.0
119 32.9 26.1 39.1

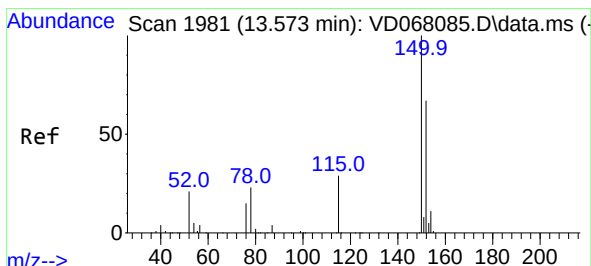
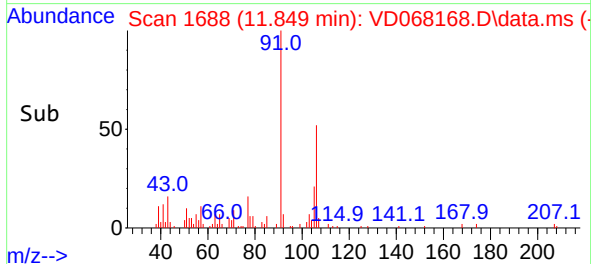
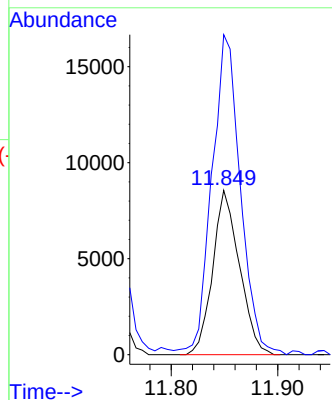
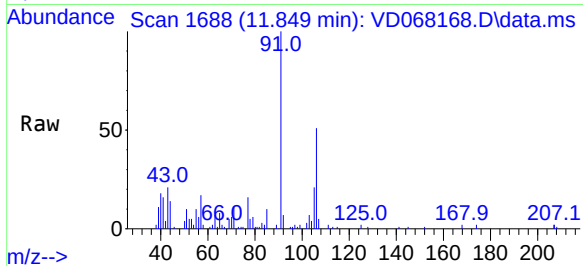




#68
m/p-Xylenes
Concen: 1.45 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.006 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

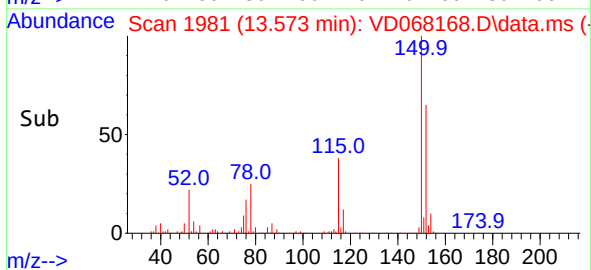
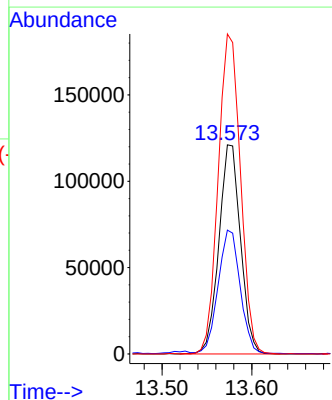
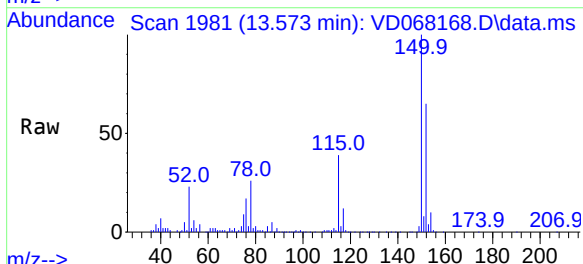
Instrument :
MSVOA_D
ClientSampleId :
241

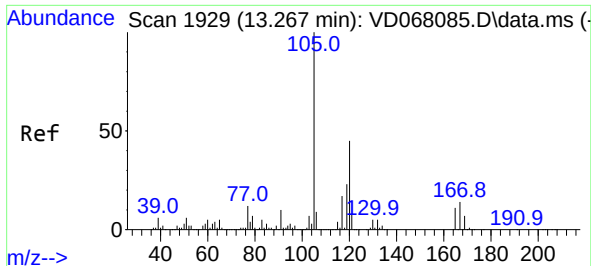
Tgt Ion:106 Resp: 14905
Ion Ratio Lower Upper
106 100
91 207.7 159.1 238.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

Tgt Ion:152 Resp: 202313
Ion Ratio Lower Upper
152 100
115 60.5 28.9 86.8
150 157.9 0.0 344.4

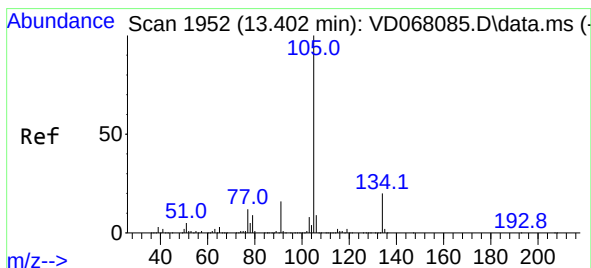
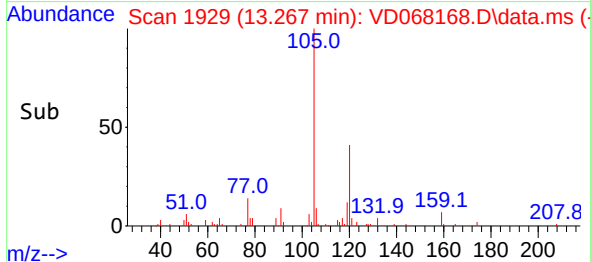
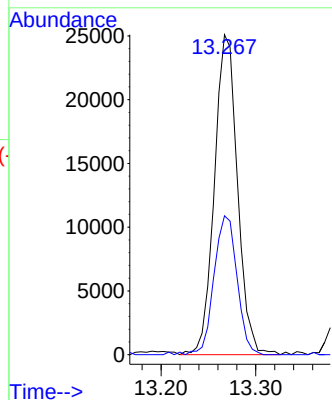
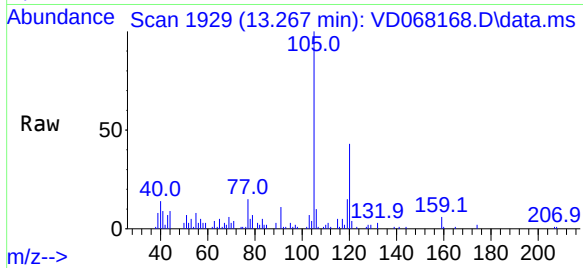




#84
1,2,4-Trimethylbenzene
Concen: 3.05 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.000 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

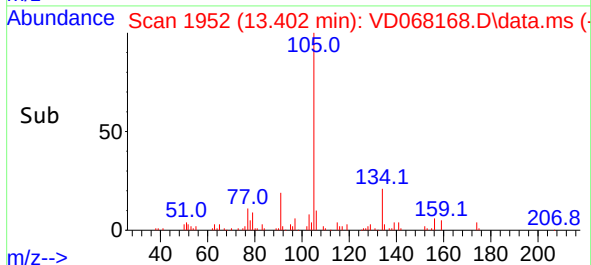
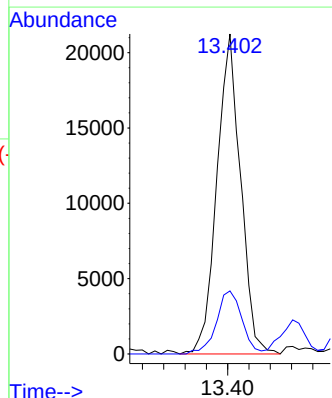
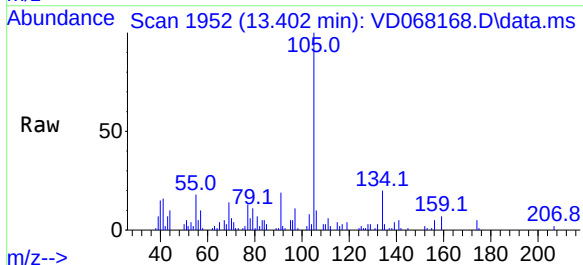
Instrument :
MSVOA_D
ClientSampled :
241

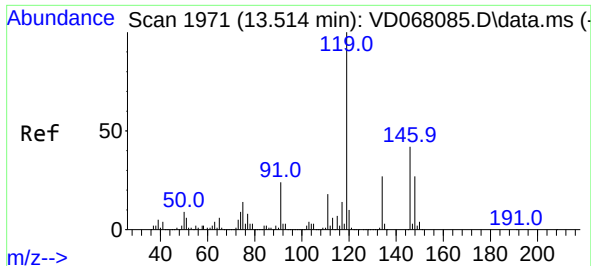
Tgt Ion:105 Resp: 42504
Ion Ratio Lower Upper
105 100
120 43.3 22.4 67.0



#85
sec-Butylbenzene
Concen: 1.97 ug/l
RT: 13.402 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

Tgt Ion:105 Resp: 32782
Ion Ratio Lower Upper
105 100
134 21.2 10.3 30.9

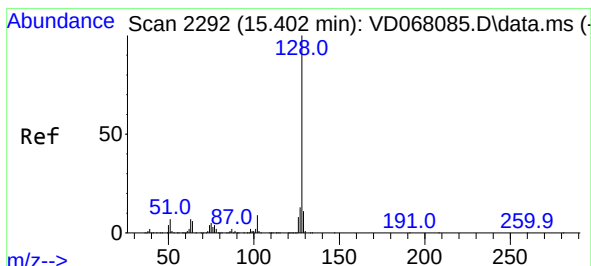
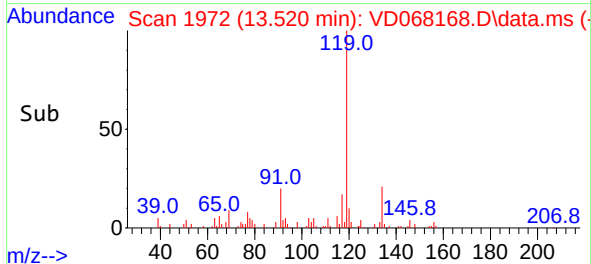
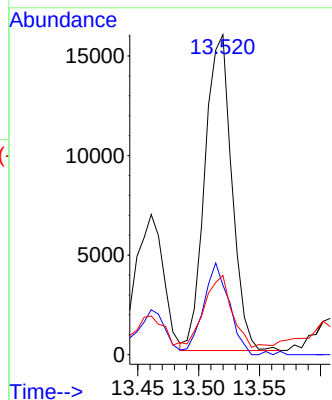
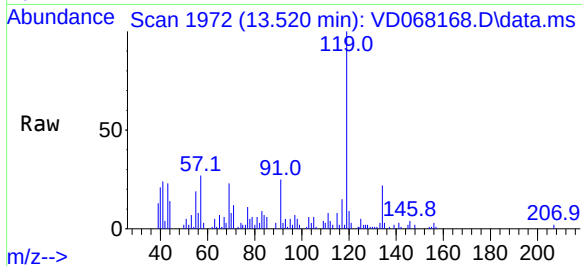




#86
p-Isopropyltoluene
Concen: 1.61 ug/l
RT: 13.520 min Scan# 1972
Delta R.T. 0.006 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

Instrument :
MSVOA_D
ClientSampled :
241

Tgt Ion:	119	Resp:	24407
Ion	Ratio	Lower	Upper
119	100		
134	27.6	12.9	38.7
91	21.3	11.7	35.0



#95
Naphthalene
Concen: 1.14 ug/l
RT: 15.402 min Scan# 2292
Delta R.T. 0.000 min
Lab File: VD068168.D
Acq: 25 Jan 2021 14:35

Tgt Ion:	128	Resp:	8726
Ion	Ratio	Lower	Upper
128	100		
127	17.2	10.2	15.2#
129	6.9	8.8	13.2#

