

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031822\
 Data File : VD072312.D
 Acq On : 19 Mar 2022 02:42
 Operator : VA/SY
 Sample : N1960-16
 Misc : 5.31G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-13-20220316-18.0-19.0

Quant Time: Mar 19 05:33:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

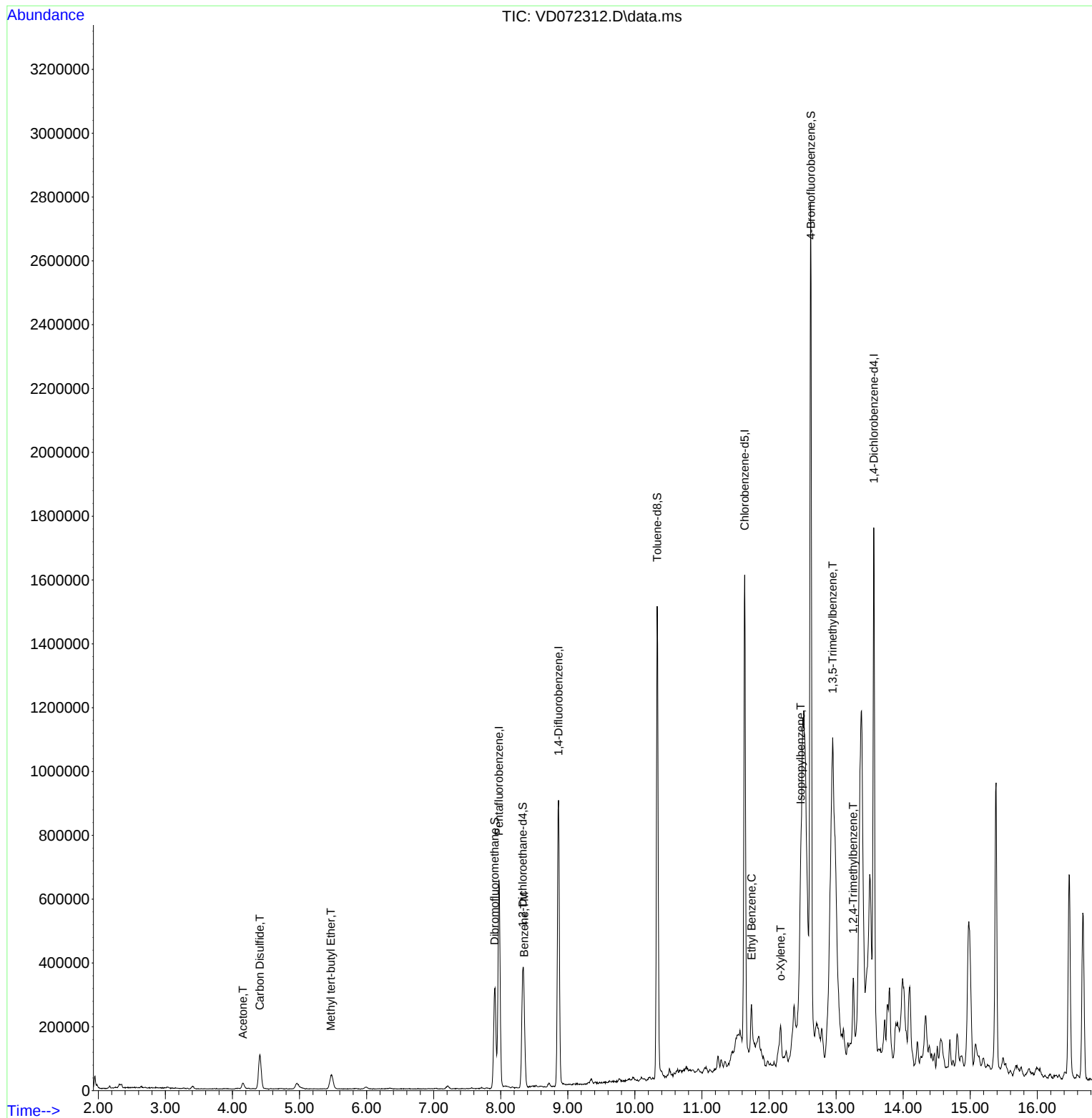
Internal Standards						
1) Pentafluorobenzene	7.973	168	466334	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	772081	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	847931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	422279	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	231587	44.56	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.12%		
35) Dibromofluoromethane	7.909	113	231607	42.63	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	85.26%		
50) Toluene-d8	10.332	98	981462	49.40	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.80%		
62) 4-Bromofluorobenzene	12.626	95	439397	56.92	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	113.84%		
Target Compounds						Qvalue
16) Acetone	4.156	43	32564	28.86	ug/l	99
17) Carbon Disulfide	4.409	76	227527	23.58	ug/l	99
19) Methyl tert-butyl Ether	5.467	73	68155	5.85	ug/l	97
40) Benzene	8.350	78	198682	9.14	ug/l	95
67) Ethyl Benzene	11.738	91	94566	2.82	ug/l	97
69) o-Xylene	12.173	106	27852	2.28	ug/l	99
73) Isopropylbenzene	12.473	105	60101	1.80	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	56458	1.96	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	111933	3.95	ug/l	90

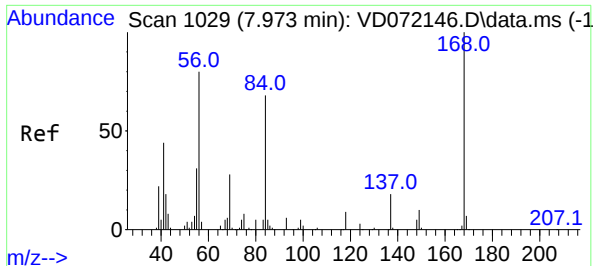
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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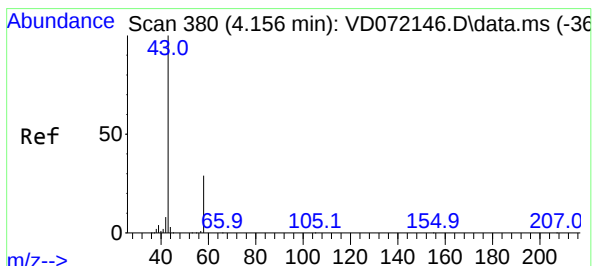
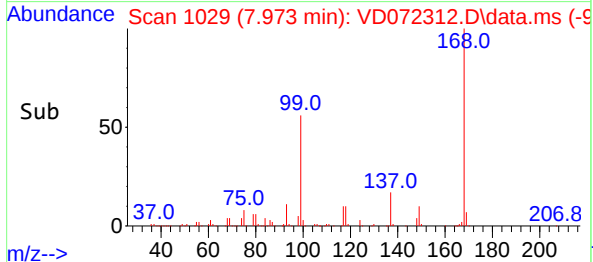
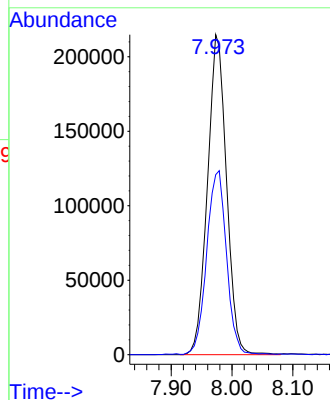
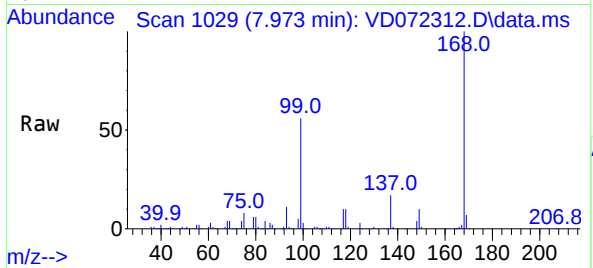




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072312.D
Acq: 19 Mar 2022 02:42

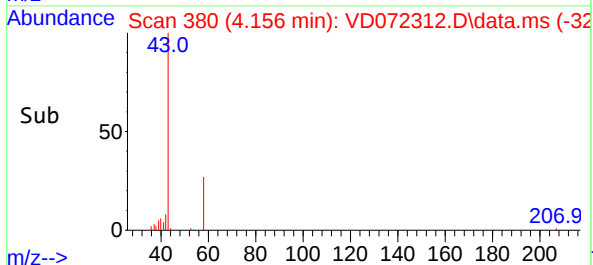
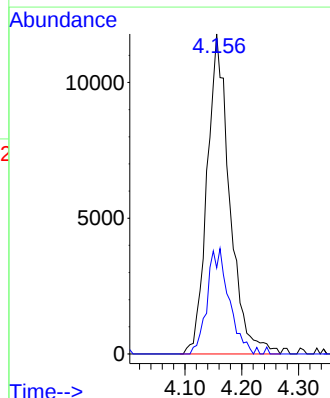
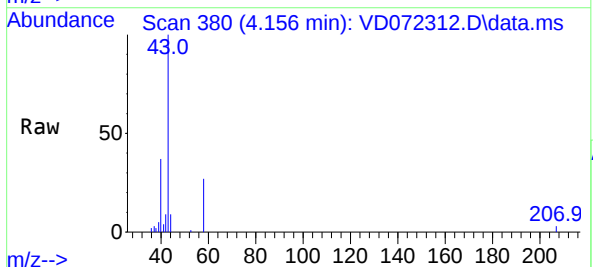
Instrument :
MSVOA_D
ClientSampleId :
SB-13-20220316-18.0-19.0

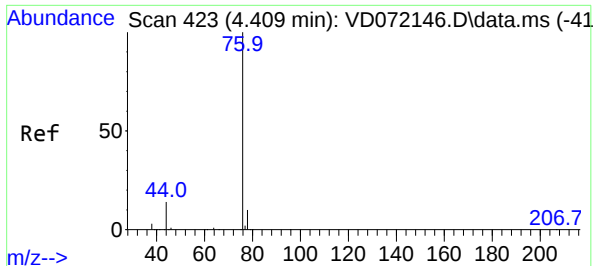
Tgt Ion:168 Resp: 466334
Ion Ratio Lower Upper
168 100
99 56.2 49.8 74.6



#16
Acetone
Concen: 28.86 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD072312.D
Acq: 19 Mar 2022 02:42

Tgt Ion: 43 Resp: 32564
Ion Ratio Lower Upper
43 100
58 26.9 22.1 33.1

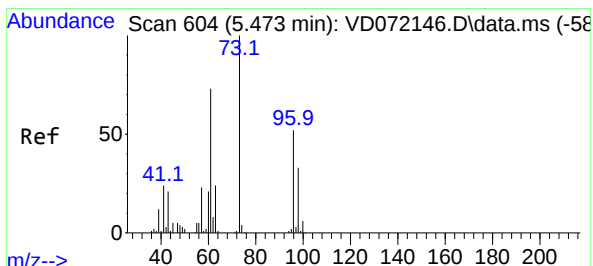
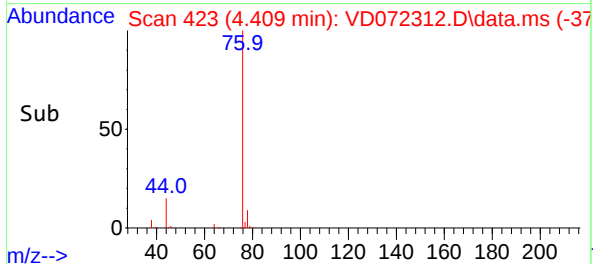
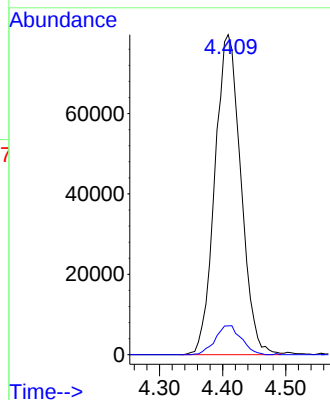
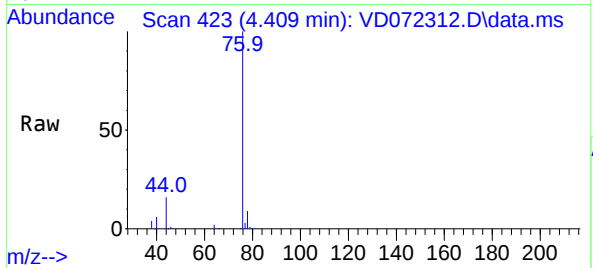




#17
Carbon Disulfide
Concen: 23.58 ug/l
RT: 4.409 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD072312.D
Acq: 19 Mar 2022 02:42

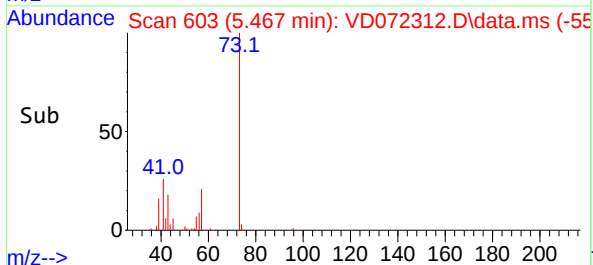
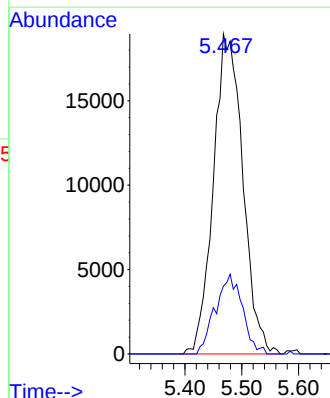
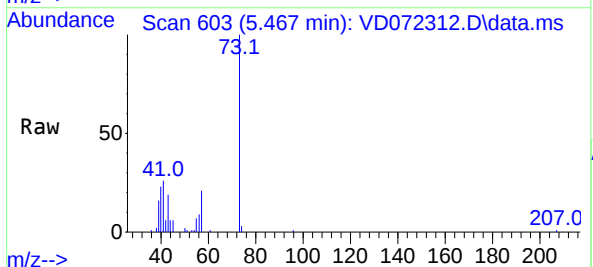
Instrument :
MSVOA_D
ClientSampleId :
SB-13-20220316-18.0-19.0

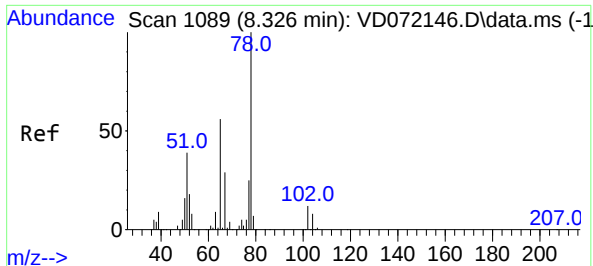
Tgt Ion: 76 Resp: 227527
Ion Ratio Lower Upper
76 100
78 9.0 7.5 11.3



#19
Methyl tert-butyl Ether
Concen: 5.85 ug/l
RT: 5.467 min Scan# 603
Delta R.T. -0.006 min
Lab File: VD072312.D
Acq: 19 Mar 2022 02:42

Tgt Ion: 73 Resp: 68155
Ion Ratio Lower Upper
73 100
57 21.2 18.0 27.0





#33

1,2-Dichloroethane-d4

Concen: 44.56 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072312.D

Acq: 19 Mar 2022 02:42

Instrument :

MSVOA_D

ClientSampleId :

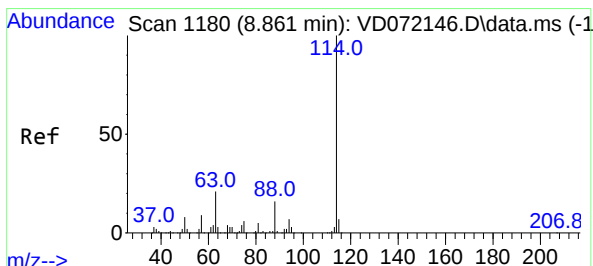
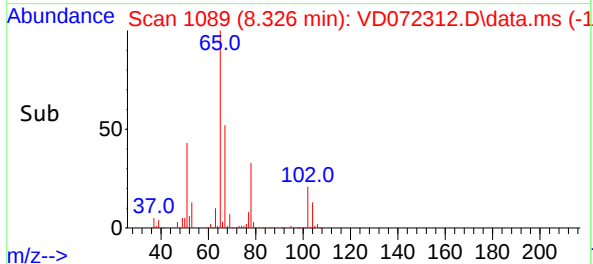
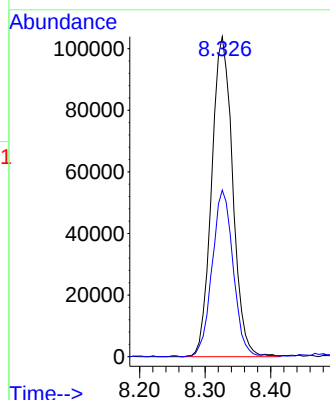
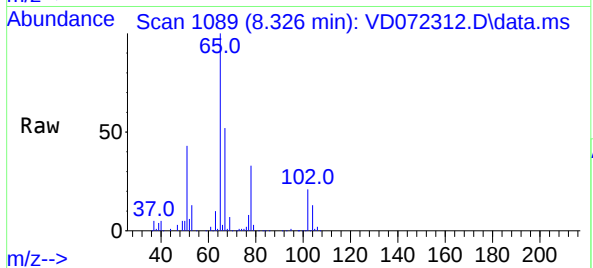
SB-13-20220316-18.0-19.0

Tgt Ion: 65 Resp: 231587

Ion Ratio Lower Upper

65 100

67 52.2 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072312.D

Acq: 19 Mar 2022 02:42

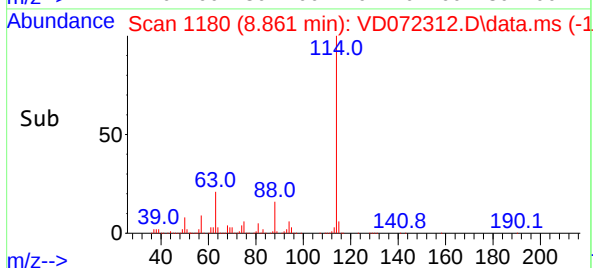
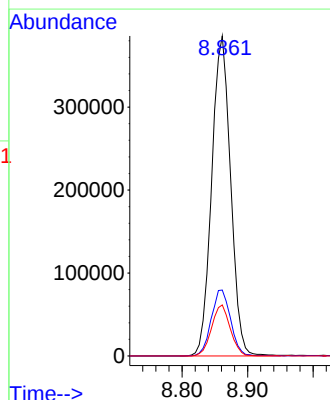
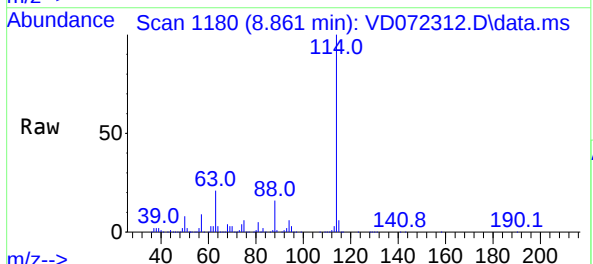
Tgt Ion: 114 Resp: 772081

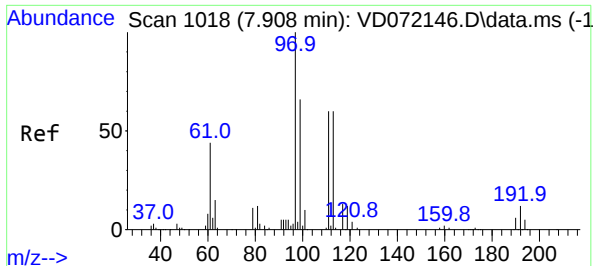
Ion Ratio Lower Upper

114 100

63 20.6 0.0 46.6

88 15.9 0.0 33.2

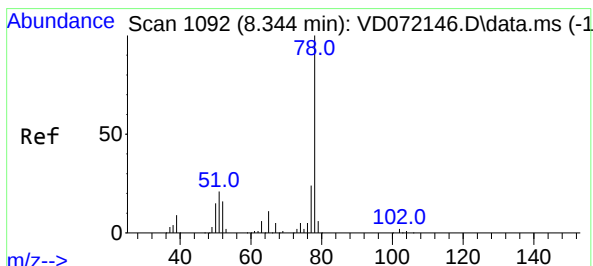
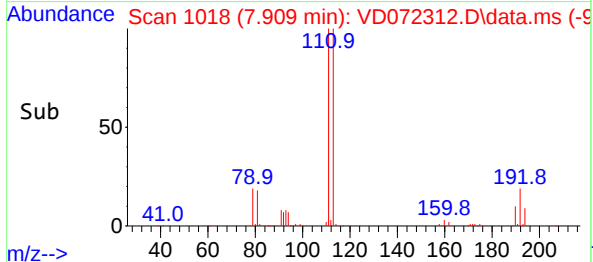
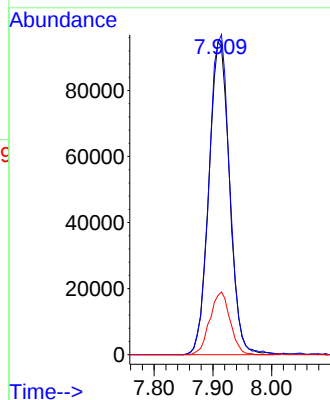
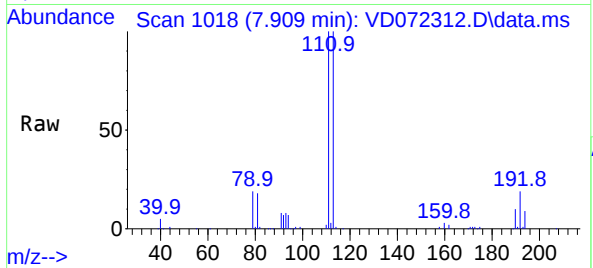




#35
Dibromofluoromethane
Concen: 42.63 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD072312.D
Acq: 19 Mar 2022 02:42

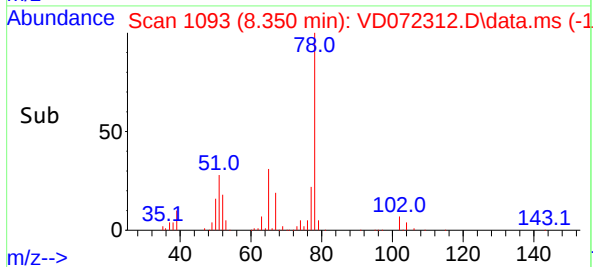
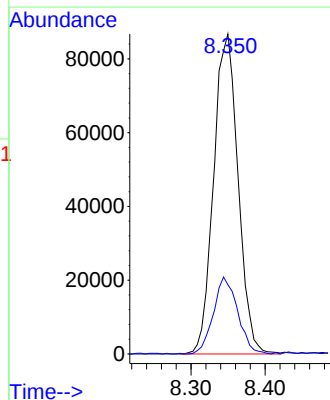
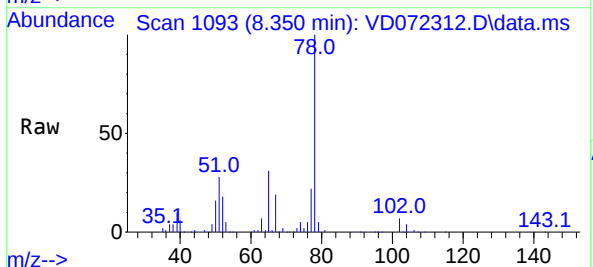
Instrument :
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SB-13-20220316-18.0-19.0

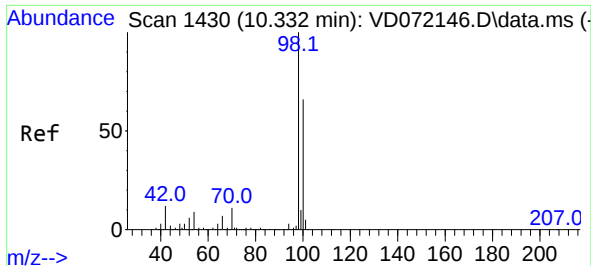
Tgt Ion:113 Resp: 231607
Ion Ratio Lower Upper
113 100
111 101.9 83.8 125.6
192 19.6 14.6 21.8



#40
Benzene
Concen: 9.14 ug/l
RT: 8.350 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VD072312.D
Acq: 19 Mar 2022 02:42

Tgt Ion: 78 Resp: 198682
Ion Ratio Lower Upper
78 100
77 21.7 19.1 28.7

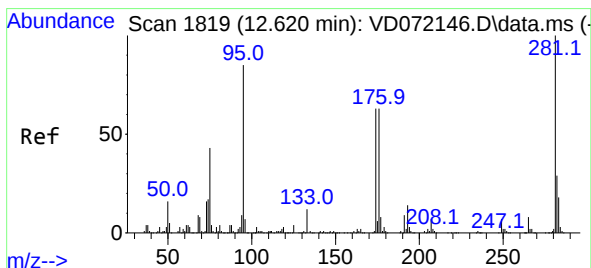
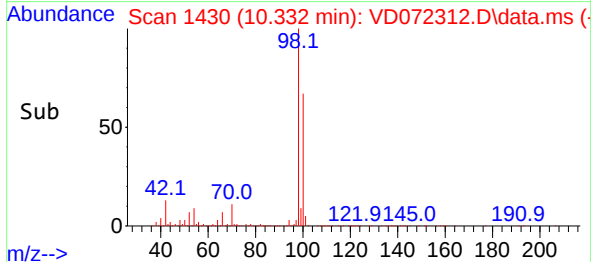
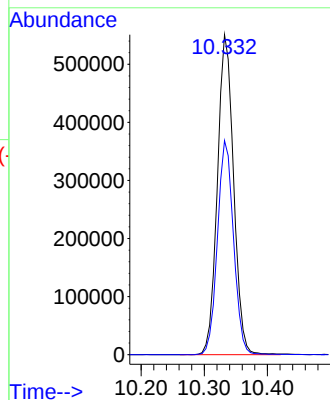
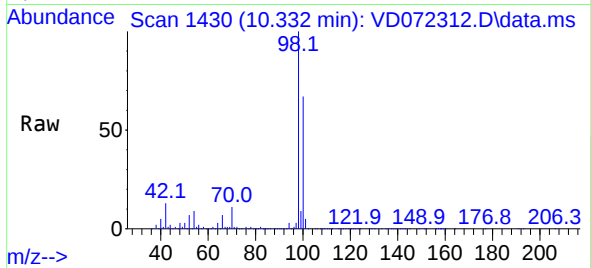




#50
Toluene-d8
Concen: 49.40 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD072312.D
Acq: 19 Mar 2022 02:42

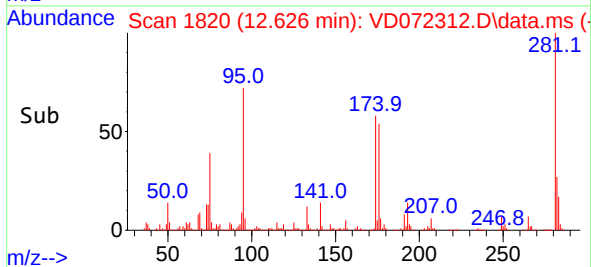
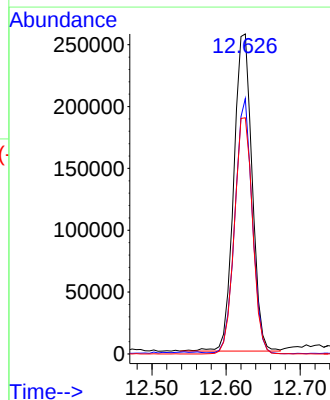
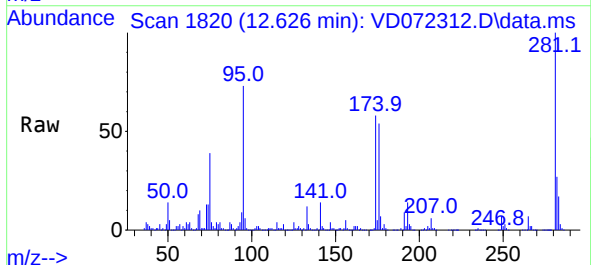
Instrument :
MSVOA_D
ClientSampleId :
SB-13-20220316-18.0-19.0

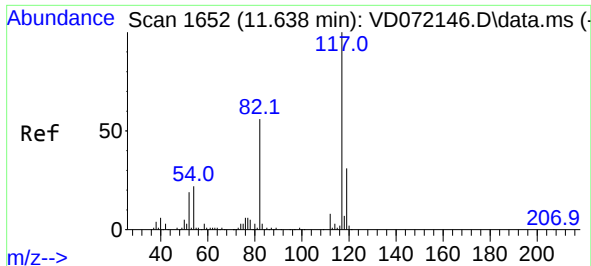
Tgt Ion: 98 Resp: 981462
Ion Ratio Lower Upper
98 100
100 66.3 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 56.92 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072312.D
Acq: 19 Mar 2022 02:42

Tgt Ion: 95 Resp: 439397
Ion Ratio Lower Upper
95 100
174 75.8 0.0 152.8
176 74.2 0.0 145.4

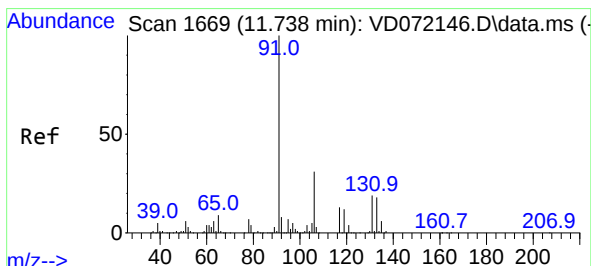
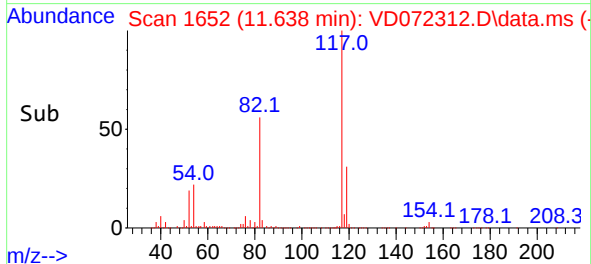
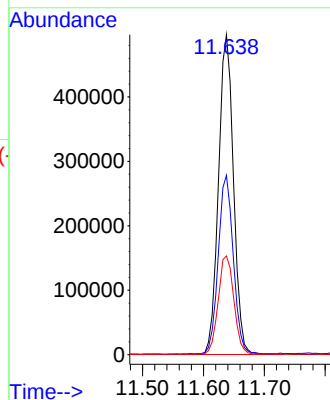
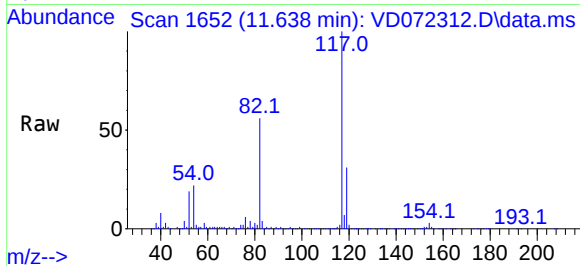




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072312.D
Acq: 19 Mar 2022 02:42

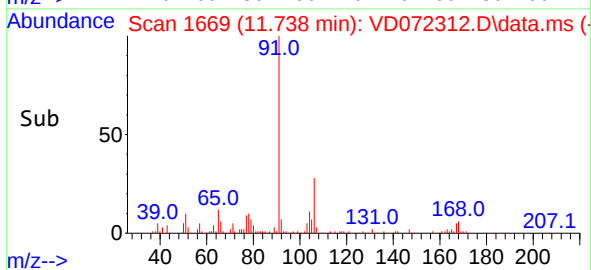
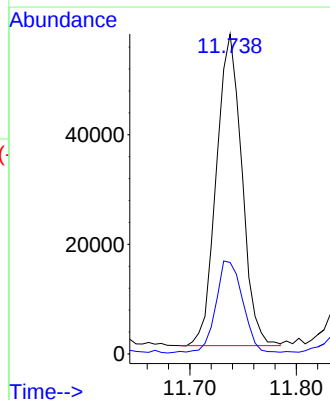
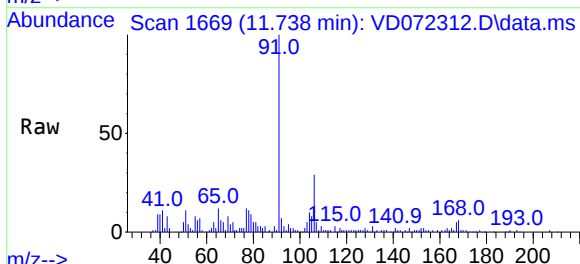
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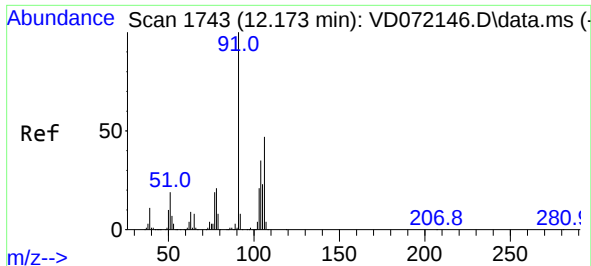
Tgt Ion:	117	Resp:	847931
Ion	Ratio	Lower	Upper
117	100		
82	55.9	45.3	67.9
119	30.8	26.6	40.0



#67
Ethyl Benzene
Concen: 2.82 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VD072312.D
Acq: 19 Mar 2022 02:42

Tgt Ion:	91	Resp:	94566
Ion	Ratio	Lower	Upper
91	100		
106	28.8	24.2	36.4

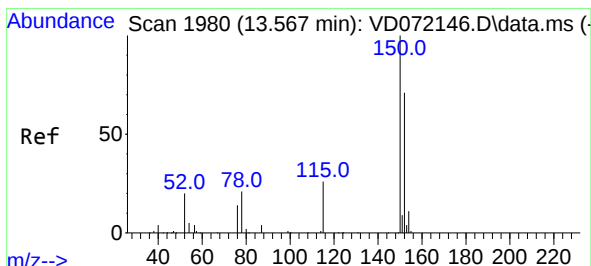
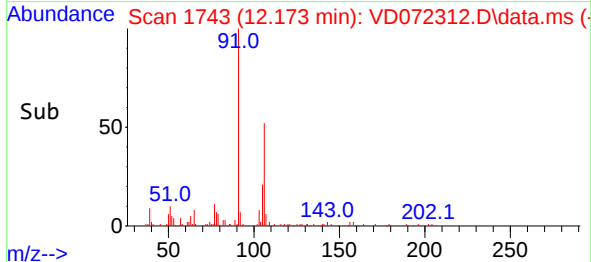
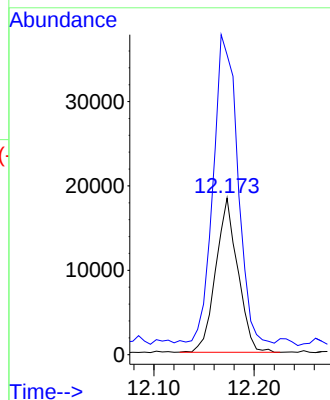
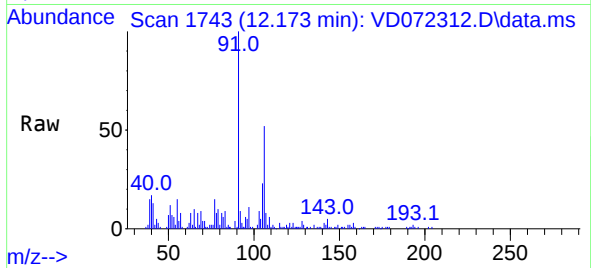




#69
o-Xylene
Concen: 2.28 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VD072312.D
Acq: 19 Mar 2022 02:42

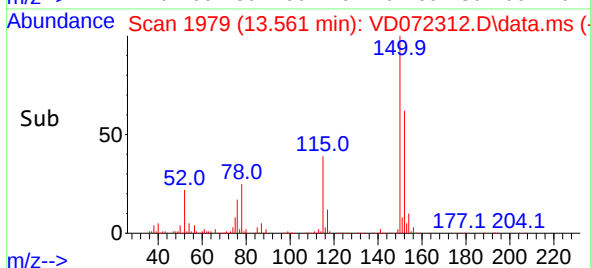
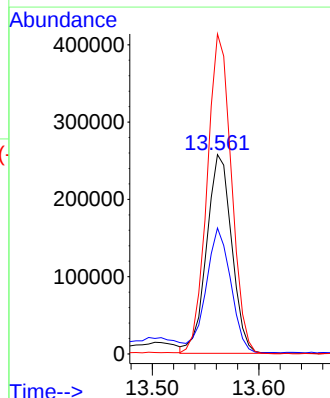
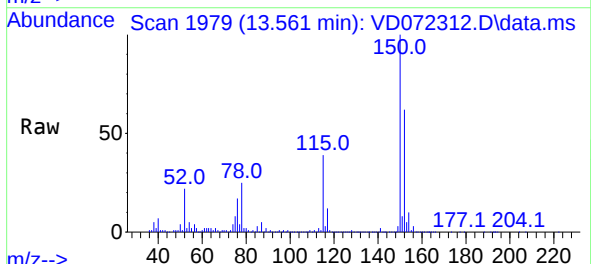
Instrument :
MSVOA_D
ClientSampleId :
SB-13-20220316-18.0-19.0

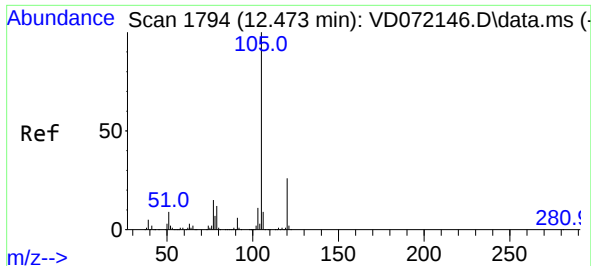
Tgt Ion:106 Resp: 27852
Ion Ratio Lower Upper
106 100
91 221.7 110.4 331.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072312.D
Acq: 19 Mar 2022 02:42

Tgt Ion:152 Resp: 422279
Ion Ratio Lower Upper
152 100
115 61.2 31.3 93.8
150 155.9 0.0 348.6

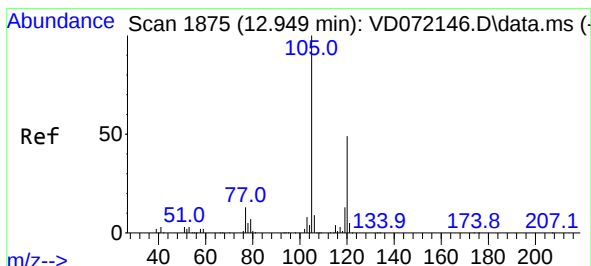
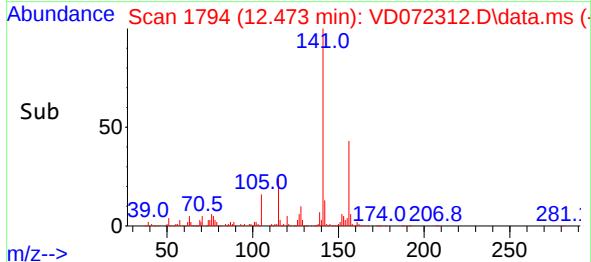
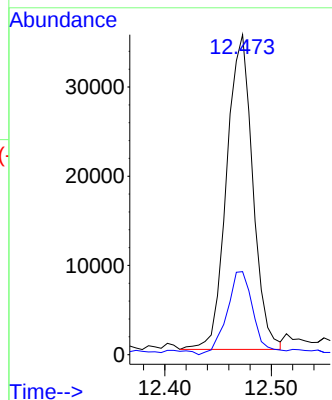
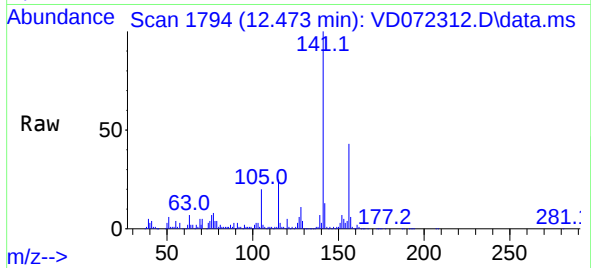




#73
Isopropylbenzene
Concen: 1.80 ug/l
RT: 12.473 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD072312.D
Acq: 19 Mar 2022 02:42

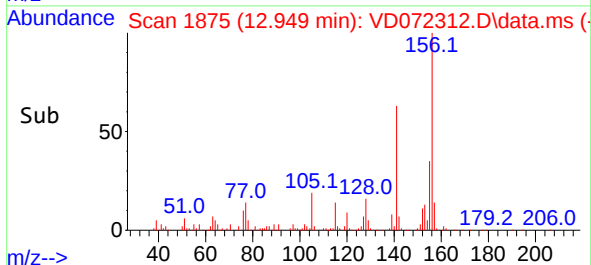
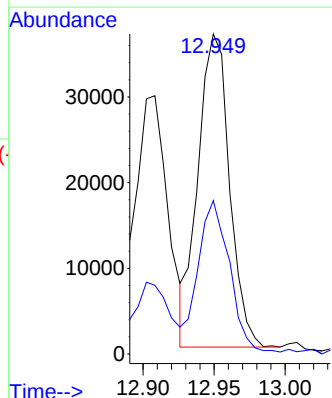
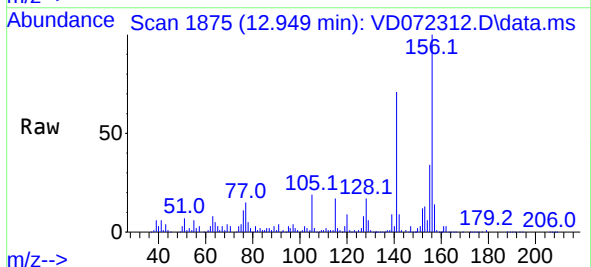
Instrument :
MSVOA_D
ClientSampleId :
SB-13-20220316-18.0-19.0

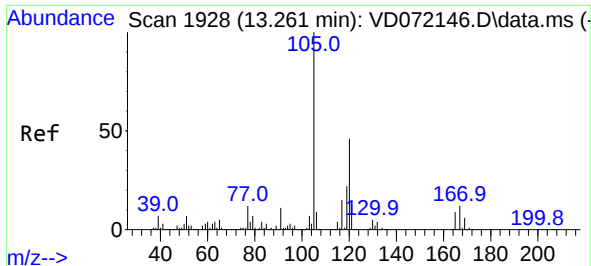
Tgt Ion:105 Resp: 60101
Ion Ratio Lower Upper
105 100
120 26.9 13.0 38.9



#80
1,3,5-Trimethylbenzene
Concen: 1.96 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD072312.D
Acq: 19 Mar 2022 02:42

Tgt Ion:105 Resp: 56458
Ion Ratio Lower Upper
105 100
120 48.1 24.3 72.8





#84
 1,2,4-Trimethylbenzene
 Concen: 3.95 ug/l
 RT: 13.255 min Scan# 1927
 Delta R.T. -0.006 min
 Lab File: VD072312.D
 Acq: 19 Mar 2022 02:42

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-13-20220316-18.0-19.0

Tgt Ion:105 Resp: 111933
 Ion Ratio Lower Upper
 105 100
 120 51.2 22.3 66.8

