

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080421\
 Data File : VX023540.D
 Acq On : 04 Aug 2021 13:58
 Operator : JC/MD
 Sample : M3281-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TWP02

Quant Time: Aug 05 05:18:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Aug 03 12:05:42 2021
 Response via : Initial Calibration

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

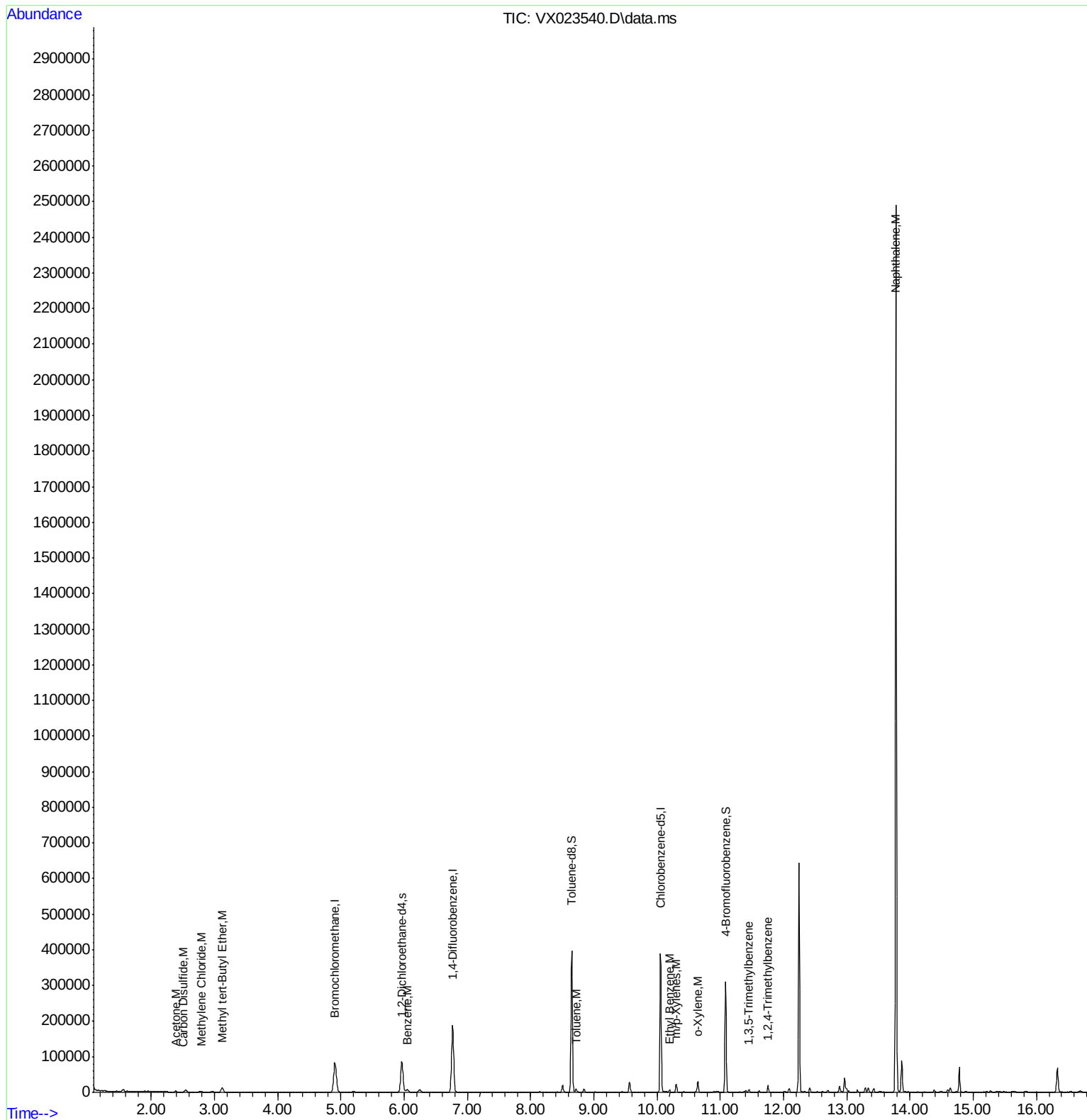
Internal Standards						
1) Bromochloromethane	4.904	128	36365	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	191240	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	173081	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	81964	29.15	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.17%
60) 4-Bromofluorobenzene	11.085	95	80350	28.34	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.47%
63) Toluene-d8	8.653	98	233125	29.93	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.77%
Target Compounds						
					Qvalue	
15) Acetone	2.386	58	1067	2.53	ug/l	86
16) Carbon Disulfide	2.508	76	1580	0.30	ug/l	100
18) Methylene Chloride	2.788	84	1127	0.45	ug/l #	85
24) Methyl tert-Butyl Ether	3.123	73	13836	1.87	ug/l	96
34) Benzene	6.050	78	8724	0.97	ug/l #	93
62) Toluene	8.720	91	5312	0.54	ug/l	96
66) Ethyl Benzene	10.201	91	4838	0.45	ug/l #	81
67) m/p-Xylenes	10.305	106	5167	1.24	ug/l	95
68) o-Xylene	10.646	106	6761	1.64	ug/l	96
76) 1,3,5-Trimethylbenzene	11.451	105	2629	0.29	ug/l	99
80) 1,2,4-Trimethylbenzene	11.756	105	8777	0.99	ug/l	98
91) Naphthalene	13.780	128	1487887	151.93	ug/l	99

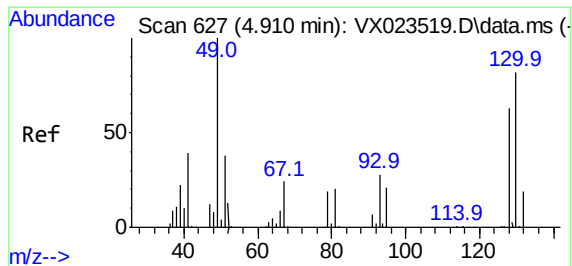
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080421\
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MSVOA_X
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TWP02

Quant Time: Aug 05 05:18:39 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Aug 03 12:05:42 2021
Response via : Initial Calibration

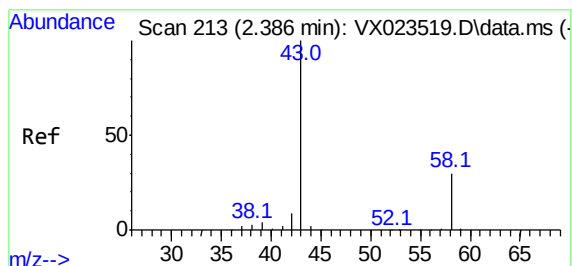
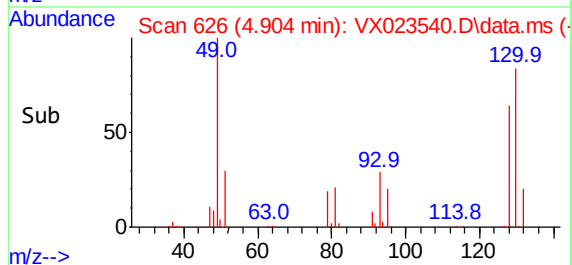
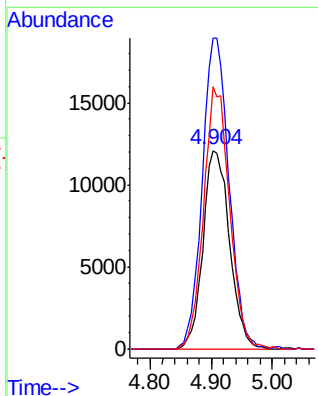
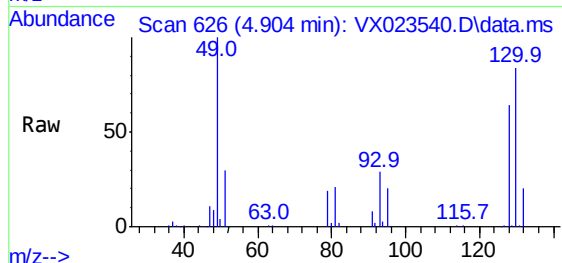




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.904 min Scan# 626
Delta R.T. -0.006 min
Lab File: VX023540.D
Acq: 04 Aug 2021 13:58

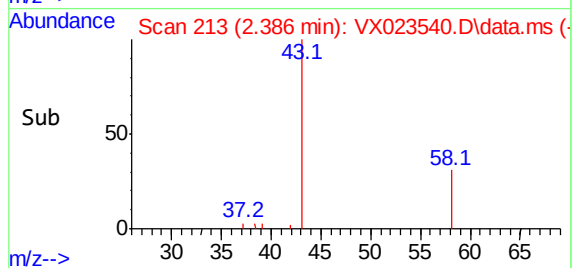
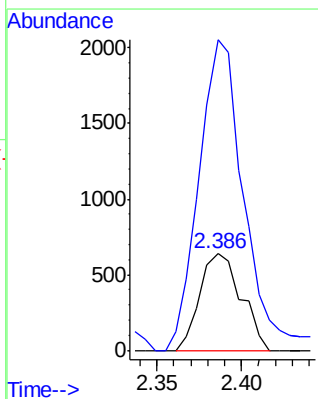
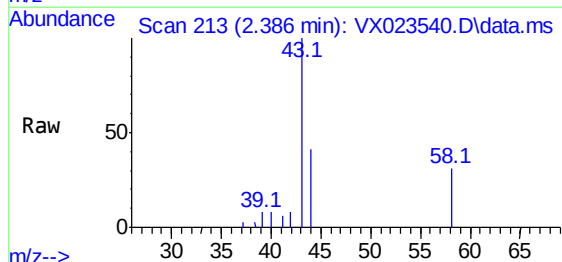
Instrument :
MSVOA_X
ClientSampleId :
TWP02

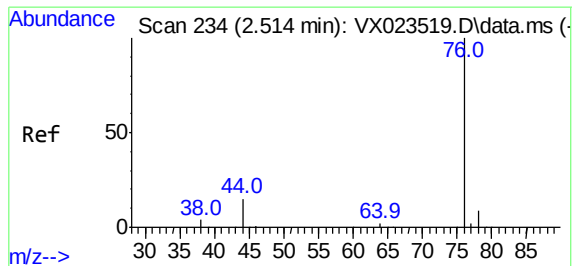
Tgt Ion:128 Resp: 36365
Ion Ratio Lower Upper
128 100
49 157.8 0.0 402.5
130 128.8 0.0 326.5



#15
Acetone
Concen: 2.53 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX023540.D
Acq: 04 Aug 2021 13:58

Tgt Ion: 58 Resp: 1067
Ion Ratio Lower Upper
58 100
43 303.0 266.6 400.0

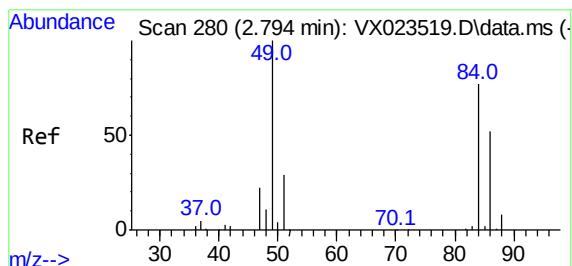
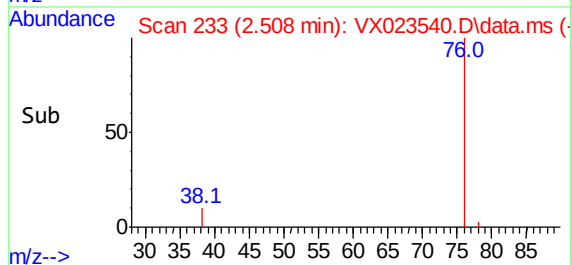
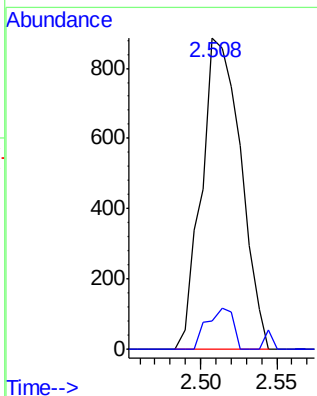
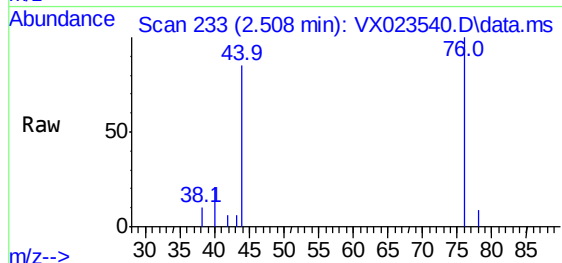




#16
Carbon Disulfide
Concen: 0.30 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX023540.D
Acq: 04 Aug 2021 13:58

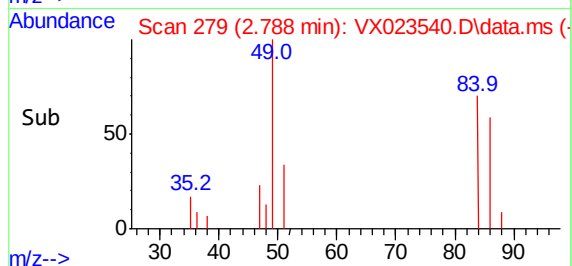
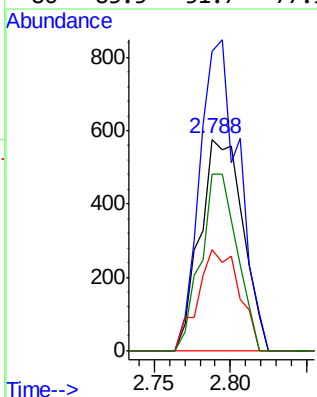
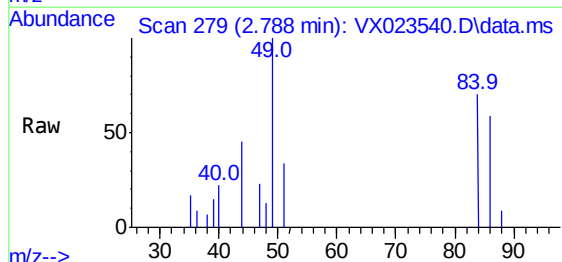
Instrument :
MSVOA_X
ClientSampleId :
TWP02

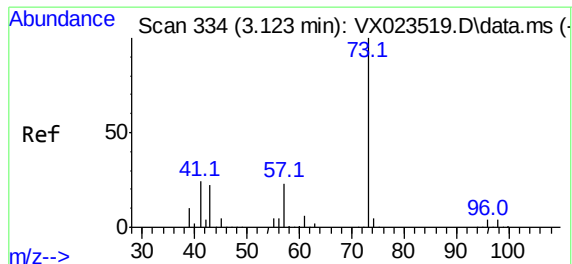
Tgt Ion: 76 Resp: 1580
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#18
Methylene Chloride
Concen: 0.45 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX023540.D
Acq: 04 Aug 2021 13:58

Tgt Ion: 84 Resp: 1127
Ion Ratio Lower Upper
84 100
49 142.0 104.3 156.5
51 47.7 30.3 45.5#
86 83.5 51.7 77.5#





#24

Methyl tert-Butyl Ether

Concen: 1.87 ug/l

RT: 3.123 min Scan# 334

Delta R.T. 0.000 min

Lab File: VX023540.D

Acq: 04 Aug 2021 13:58

Tgt Ion: 73 Resp: 13836

Ion Ratio Lower Upper

73 100

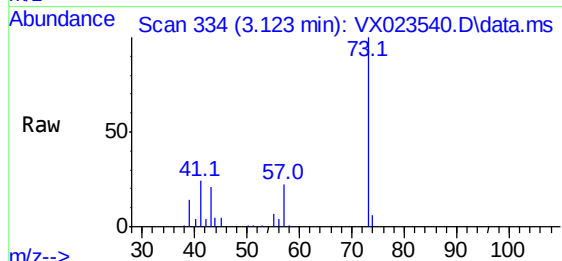
43 24.5 17.9 26.9

Instrument :

MSVOA_X

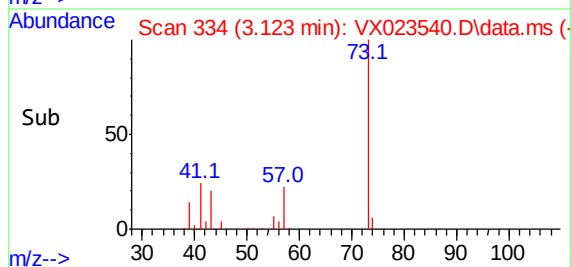
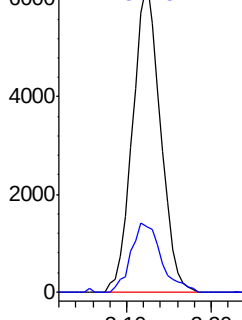
ClientSampleId :

TWP02

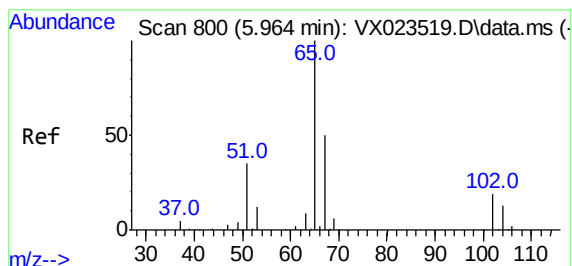


Abundance

3.123



Time-->



#27

1,2-Dichloroethane-d4

Concen: 29.15 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX023540.D

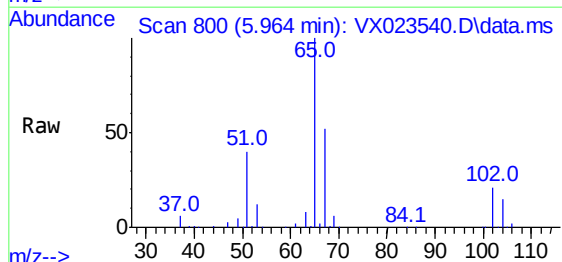
Acq: 04 Aug 2021 13:58

Tgt Ion: 65 Resp: 81964

Ion Ratio Lower Upper

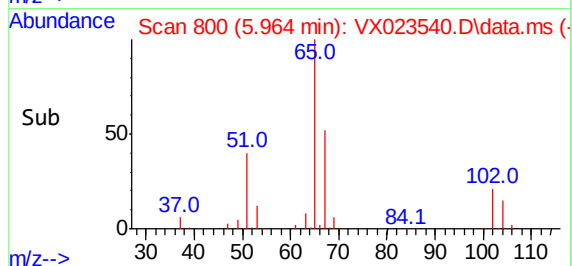
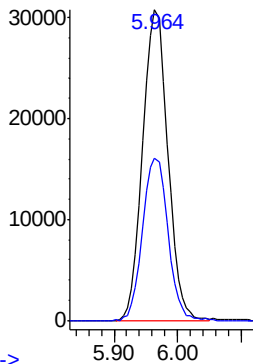
65 100

67 52.7 42.4 63.6

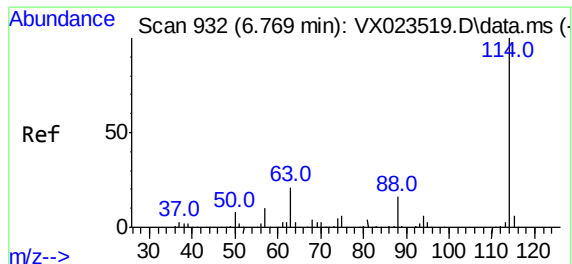


Abundance

5.964



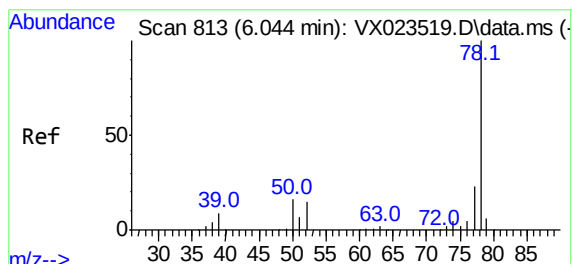
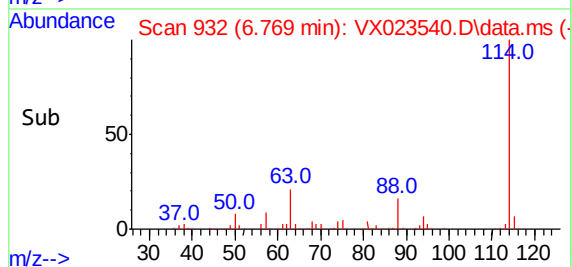
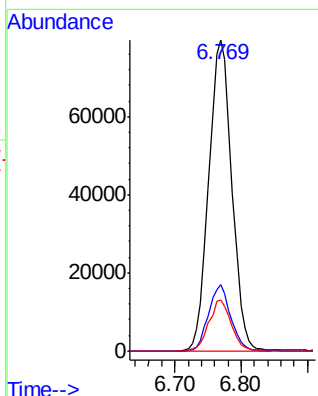
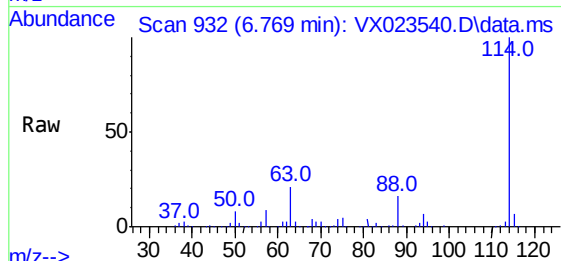
Time-->



#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023540.D
Acq: 04 Aug 2021 13:58

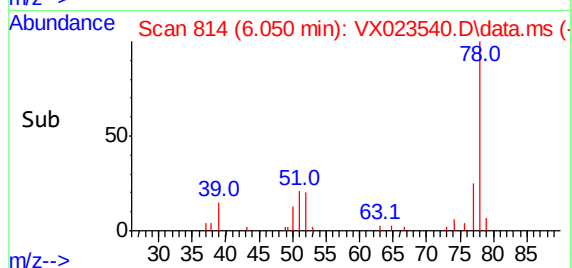
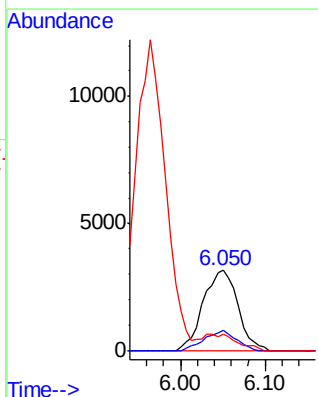
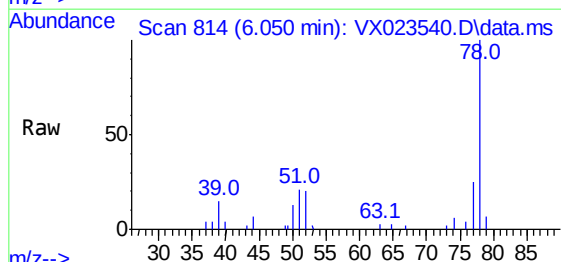
Instrument :
MSVOA_X
ClientSampled :
TWP02

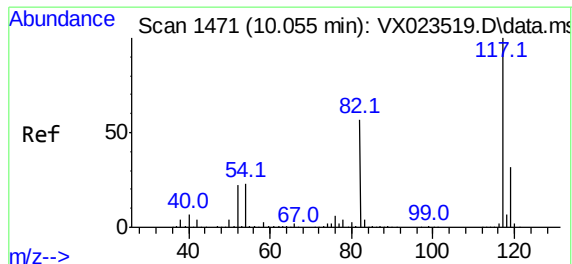
Tgt Ion:114 Resp: 191240
Ion Ratio Lower Upper
114 100
63 20.4 16.4 24.6
88 15.6 12.7 19.1



#34
Benzene
Concen: 0.97 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX023540.D
Acq: 04 Aug 2021 13:58

Tgt Ion: 78 Resp: 8724
Ion Ratio Lower Upper
78 100
77 25.4 19.3 28.9
51 20.7 12.2 18.4#

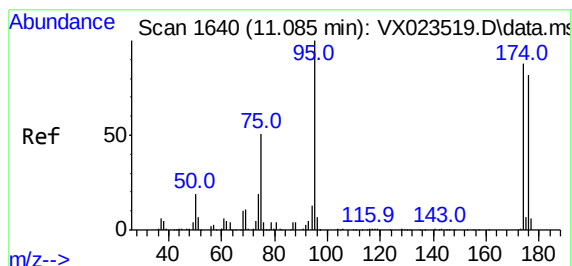
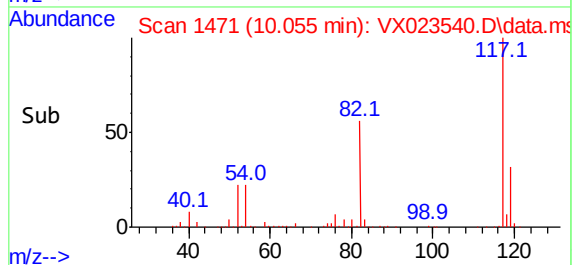
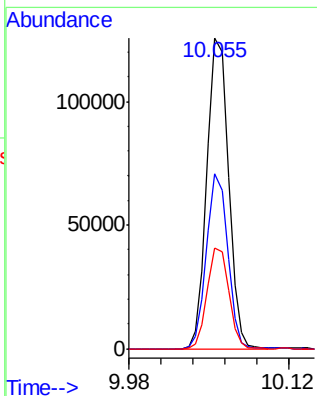
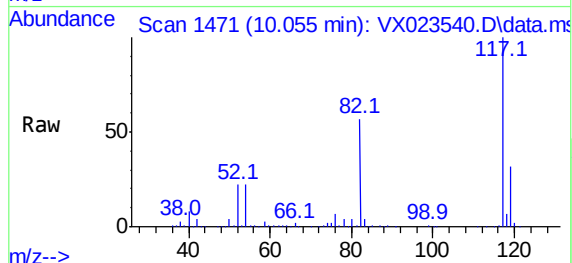




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023540.D
Acq: 04 Aug 2021 13:58

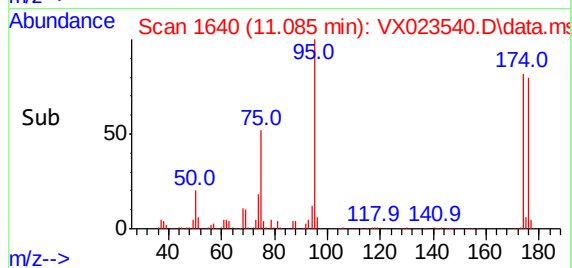
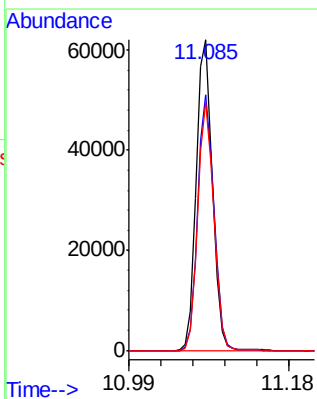
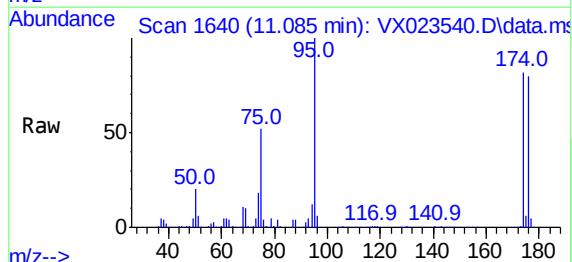
Instrument :
MSVOA_X
ClientSampled :
TWP02

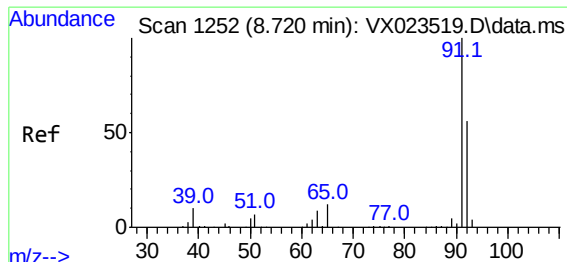
Tgt Ion:117 Resp: 173081
Ion Ratio Lower Upper
117 100
82 55.2 45.0 67.4
119 32.5 26.2 39.2



#60
4-Bromofluorobenzene
Concen: 28.34 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023540.D
Acq: 04 Aug 2021 13:58

Tgt Ion: 95 Resp: 80350
Ion Ratio Lower Upper
95 100
174 81.7 63.5 95.3
176 78.2 63.0 94.4

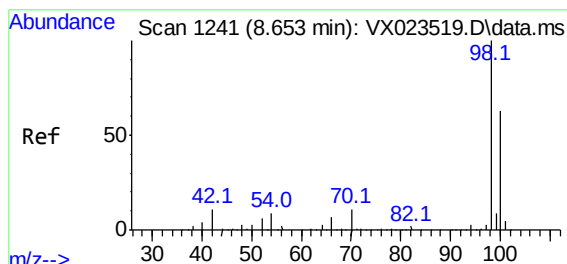
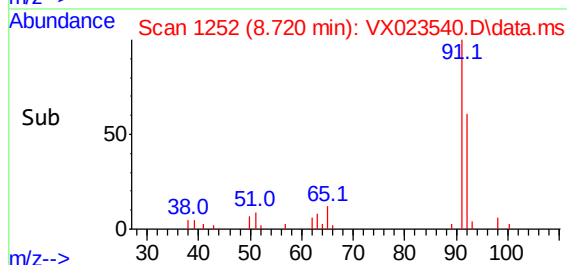
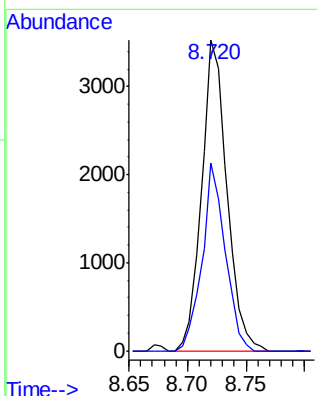
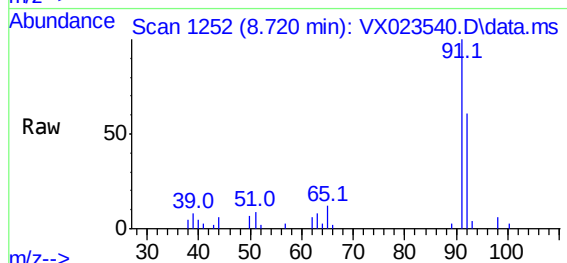




#62
Toluene
Concen: 0.54 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX023540.D
Acq: 04 Aug 2021 13:58

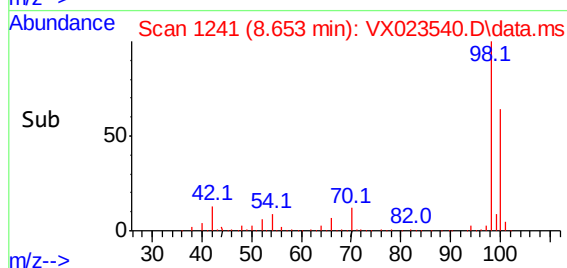
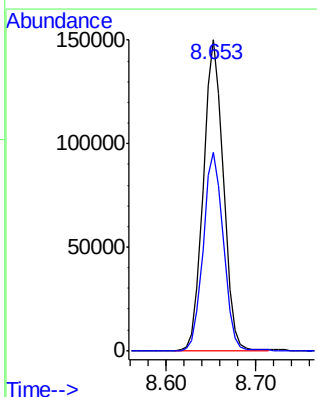
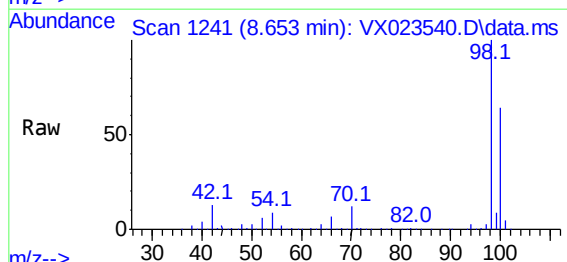
Instrument :
MSVOA_X
ClientSampleId :
TWP02

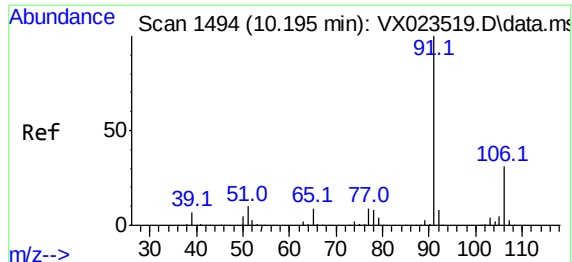
Tgt Ion: 91 Resp: 5312
Ion Ratio Lower Upper
91 100
92 55.1 46.5 69.7



#63
Toluene-d8
Concen: 29.93 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX023540.D
Acq: 04 Aug 2021 13:58

Tgt Ion: 98 Resp: 233125
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.0

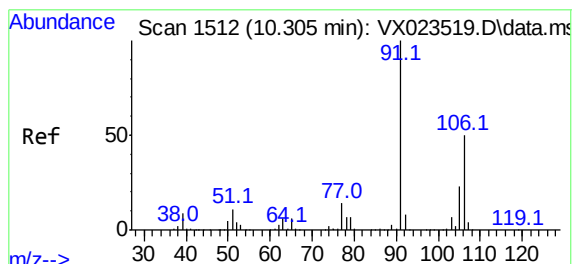
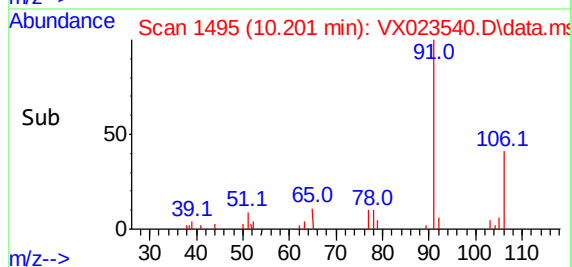
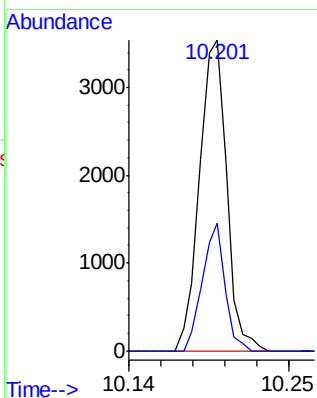
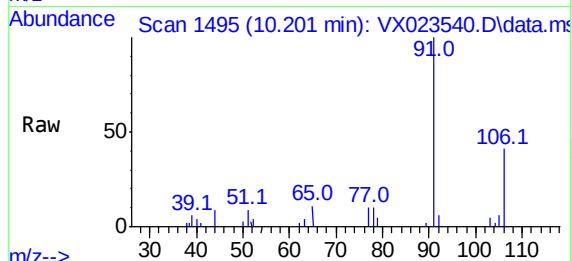




#66
Ethyl Benzene
Concen: 0.45 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX023540.D
Acq: 04 Aug 2021 13:58

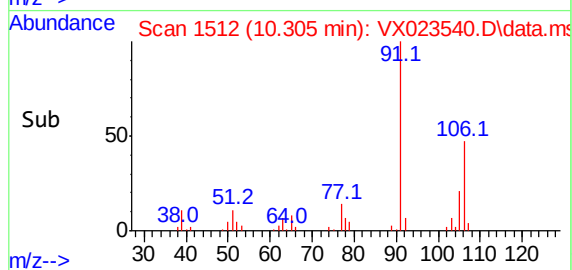
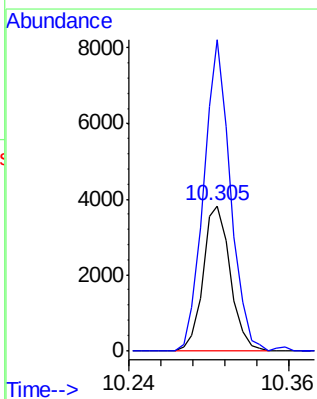
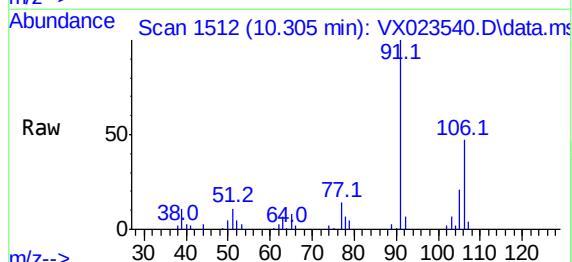
Instrument :
MSVOA_X
ClientSampled :
TWP02

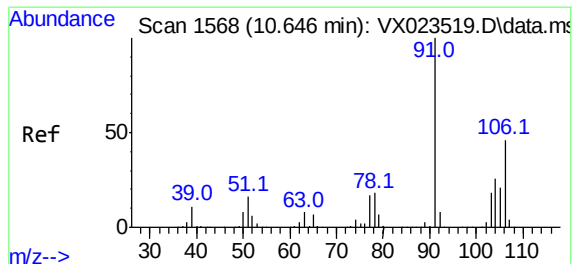
Tgt Ion: 91 Resp: 4838
Ion Ratio Lower Upper
91 100
106 41.1 24.7 37.1#



#67
m/p-Xylenes
Concen: 1.24 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX023540.D
Acq: 04 Aug 2021 13:58

Tgt Ion: 106 Resp: 5167
Ion Ratio Lower Upper
106 100
91 211.1 162.4 243.6

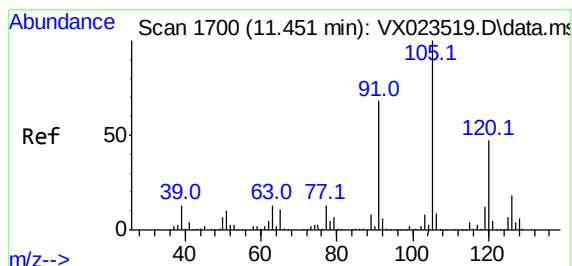
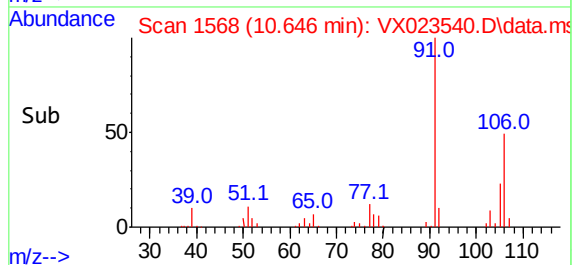
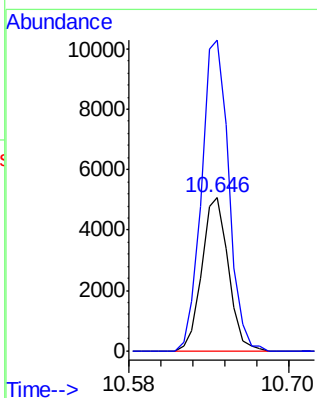
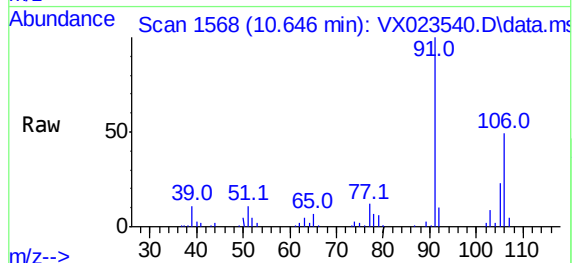




#68
o-Xylene
Concen: 1.64 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX023540.D
Acq: 04 Aug 2021 13:58

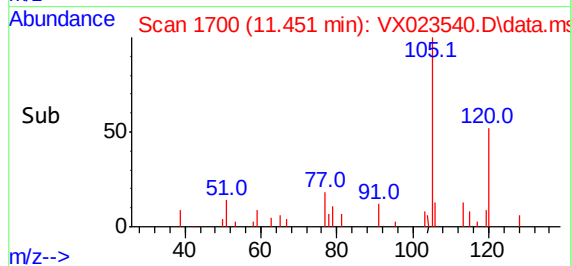
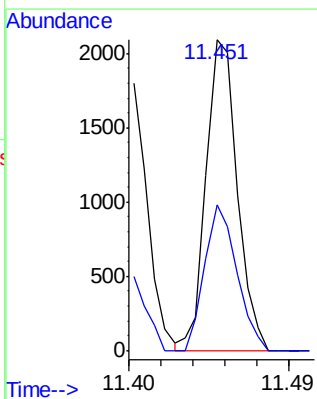
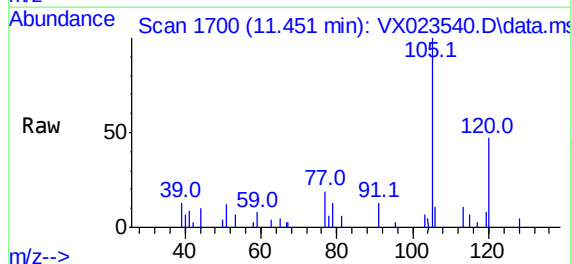
Instrument :
MSVOA_X
ClientSampled :
TWP02

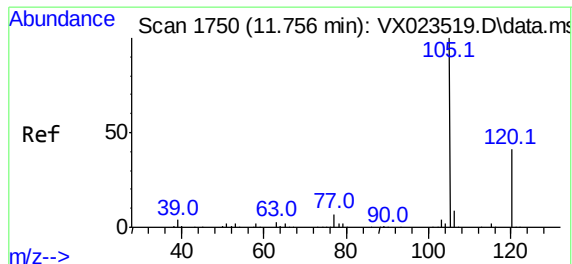
Tgt Ion:106 Resp: 6761
Ion Ratio Lower Upper
106 100
91 208.2 107.3 321.8



#76
1,3,5-Trimethylbenzene
Concen: 0.29 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX023540.D
Acq: 04 Aug 2021 13:58

Tgt Ion:105 Resp: 2629
Ion Ratio Lower Upper
105 100
120 48.4 0.0 98.0

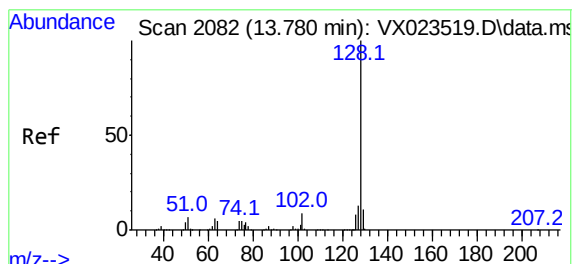
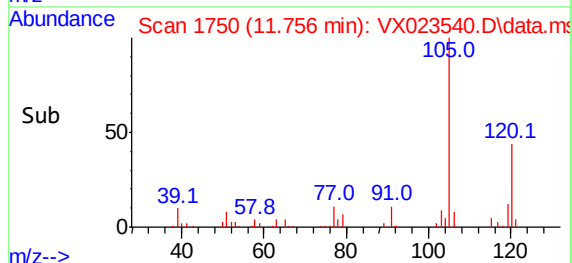
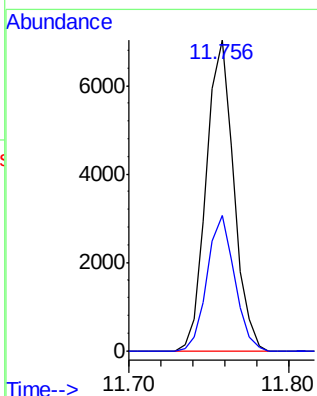
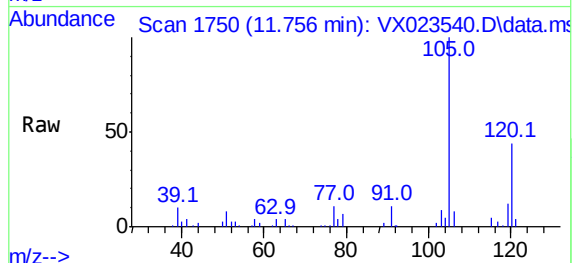




#80
1,2,4-Trimethylbenzene
Concen: 0.99 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX023540.D
Acq: 04 Aug 2021 13:58

Instrument :
MSVOA_X
ClientSampleId :
TWP02

Tgt Ion:105 Resp: 8777
Ion Ratio Lower Upper
105 100
120 43.7 0.0 90.4



#91
Naphthalene
Concen: 151.93 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023540.D
Acq: 04 Aug 2021 13:58

Tgt Ion:128 Resp: 1487887
Ion Ratio Lower Upper
128 100
127 13.0 10.1 15.1
129 11.0 8.6 12.8

