

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080421\
 Data File : VX023542.D
 Acq On : 04 Aug 2021 14:45
 Operator : JC/MD
 Sample : M3281-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TWP03

Quant Time: Aug 05 05:18:56 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)

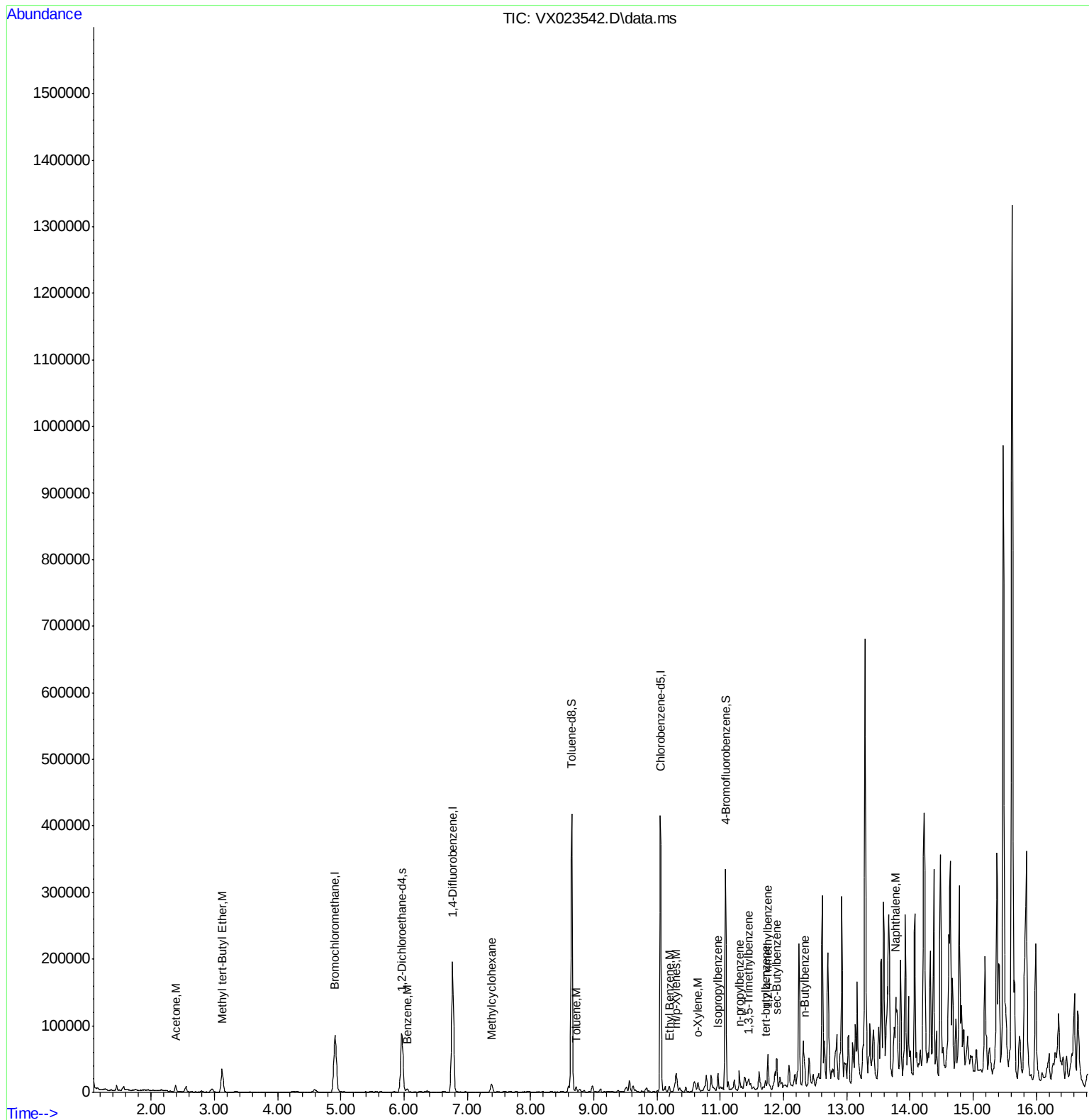
Internal Standards						
1) Bromochloromethane	4.910	128	36567	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	199032	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	180833	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.970	65	83794	29.63	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.77%
60) 4-Bromofluorobenzene	11.085	95	84966	28.69	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.63%
63) Toluene-d8	8.653	98	241774	29.71	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.03%
Target Compounds						
					Qvalue	
15) Acetone	2.392	58	3480	8.22	ug/l	86
24) Methyl tert-Butyl Ether	3.123	73	36724	4.94	ug/l	98
34) Benzene	6.050	78	4718	0.50	ug/l #	95
38) Methylcyclohexane	7.391	83	5291	1.34	ug/l	97
62) Toluene	8.726	91	4694	0.46	ug/l	100
66) Ethyl Benzene	10.195	91	4373	0.39	ug/l	98
67) m/p-Xylenes	10.305	106	4807	1.10	ug/l	92
68) o-Xylene	10.646	106	2692	0.63	ug/l	96
70) Isopropylbenzene	10.963	105	12854	1.14	ug/l	98
74) n-propylbenzene	11.305	91	17363	1.32	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	6124	0.65	ug/l	98
79) tert-butylbenzene	11.719	119	3352	0.37	ug/l	85
80) 1,2,4-Trimethylbenzene	11.756	105	20419	2.20	ug/l	95
81) sec-Butylbenzene	11.896	105	18665	1.60	ug/l	100
85) n-Butylbenzene	12.335	91	12837	1.51	ug/l	73
91) Naphthalene	13.780	128	75017	7.33	ug/l	97

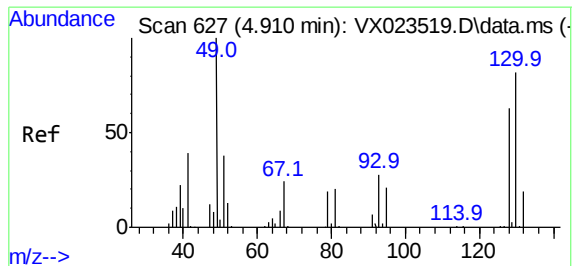
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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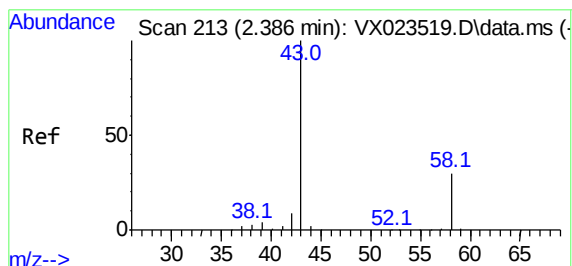
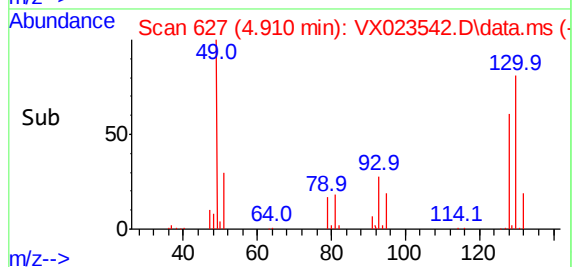
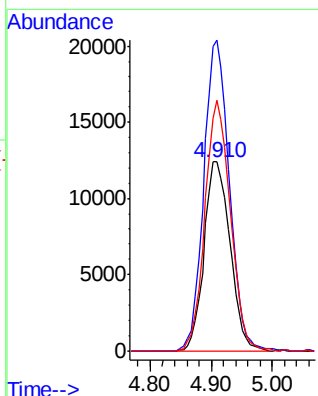
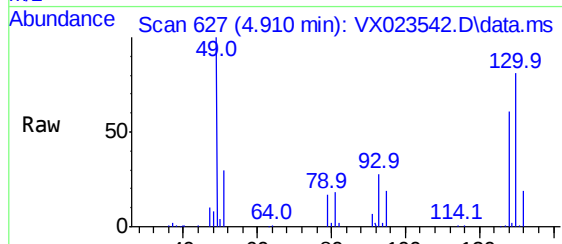




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.910 min Scan# 627
Delta R.T. -0.000 min
Lab File: VX023542.D
Acq: 04 Aug 2021 14:45

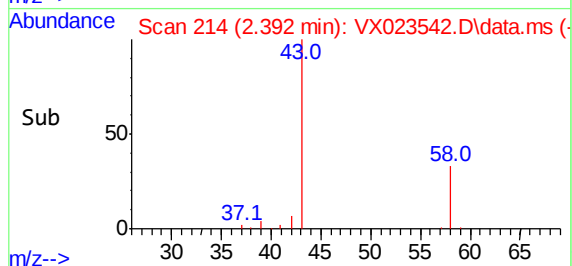
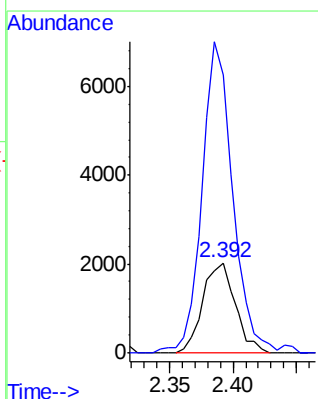
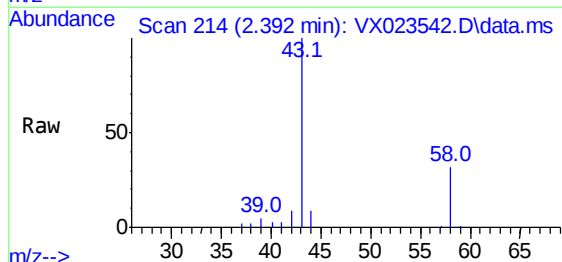
Instrument :
MSVOA_X
ClientSampleId :
TWP03

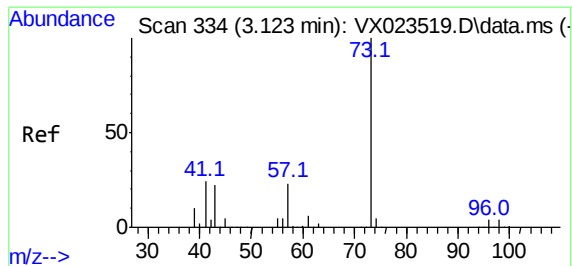
Tgt Ion:128 Resp: 36567
Ion Ratio Lower Upper
128 100
49 161.1 0.0 402.5
130 129.7 0.0 326.5



#15
Acetone
Concen: 8.22 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX023542.D
Acq: 04 Aug 2021 14:45

Tgt Ion: 58 Resp: 3480
Ion Ratio Lower Upper
58 100
43 303.4 266.6 400.0





#24

Methyl tert-Butyl Ether

Concen: 4.94 ug/l

RT: 3.123 min Scan# 334

Delta R.T. 0.000 min

Lab File: VX023542.D

Acq: 04 Aug 2021 14:45

Tgt Ion: 73 Resp: 36724

Ion Ratio Lower Upper

73 100

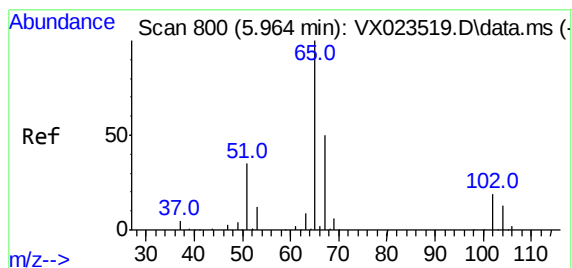
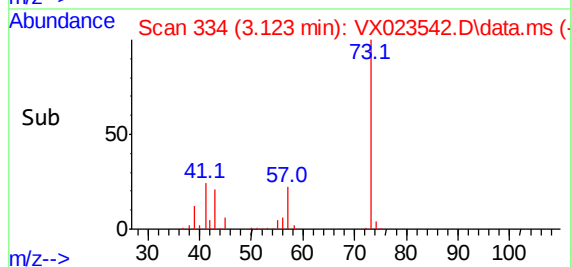
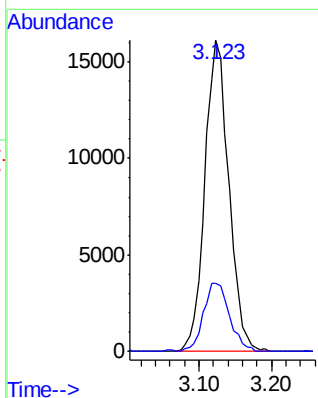
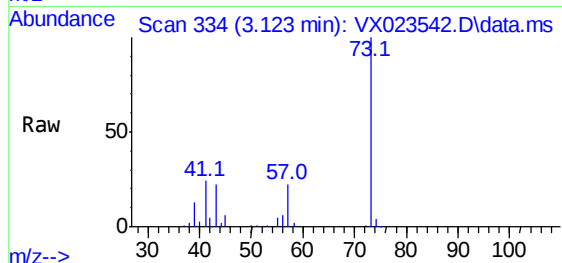
43 23.4 17.9 26.9

Instrument :

MSVOA_X

ClientSampleId :

TWP03



#27

1,2-Dichloroethane-d4

Concen: 29.63 ug/l

RT: 5.970 min Scan# 801

Delta R.T. 0.006 min

Lab File: VX023542.D

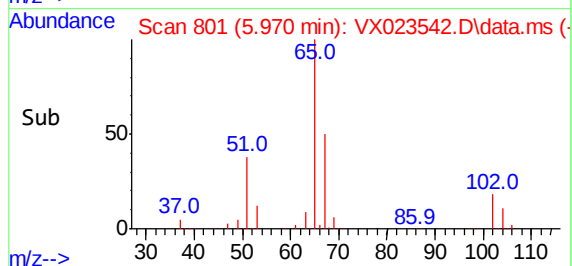
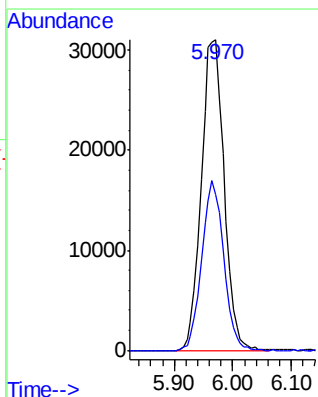
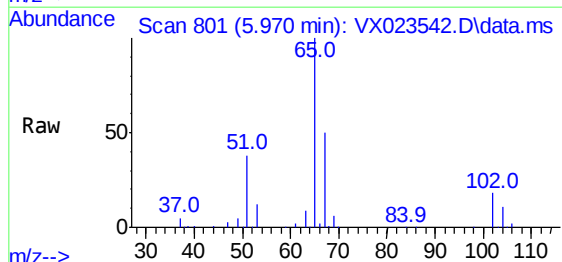
Acq: 04 Aug 2021 14:45

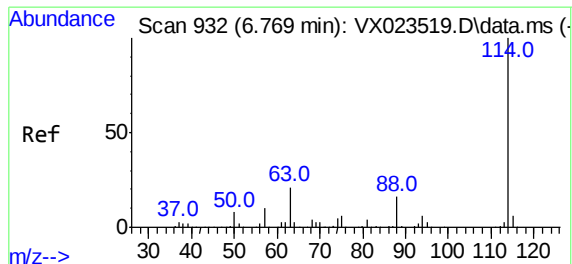
Tgt Ion: 65 Resp: 83794

Ion Ratio Lower Upper

65 100

67 52.6 42.4 63.6

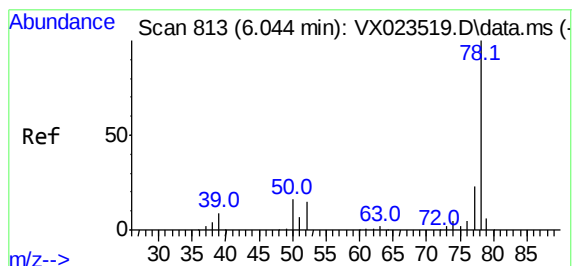
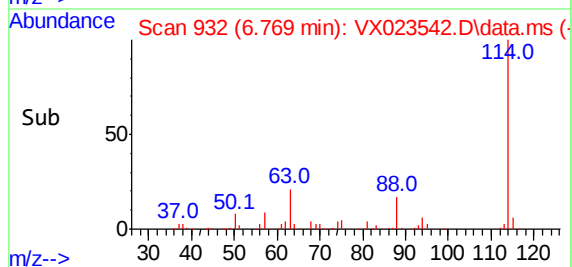
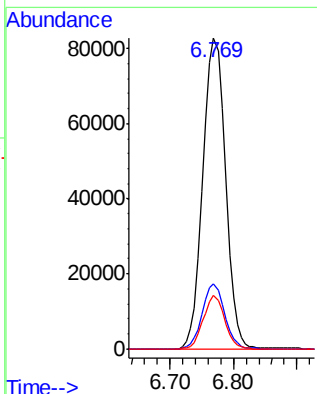
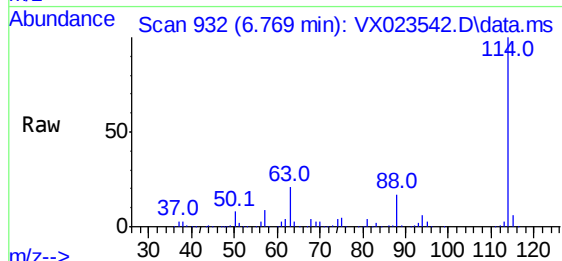




#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023542.D
Acq: 04 Aug 2021 14:45

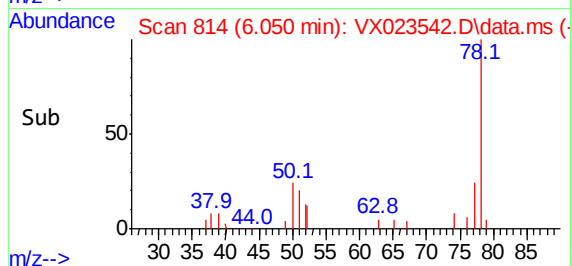
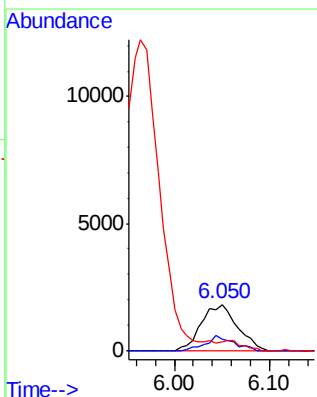
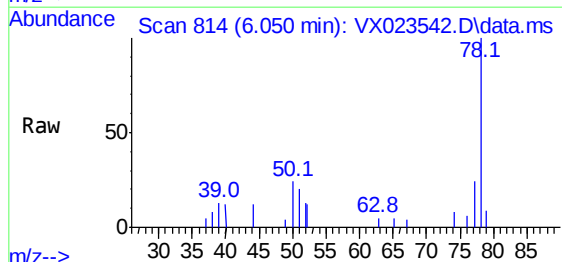
Instrument :
MSVOA_X
ClientSampleId :
TWP03

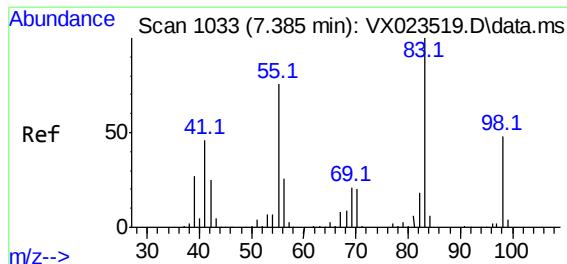
Tgt Ion:114 Resp: 199032
Ion Ratio Lower Upper
114 100
63 20.3 16.4 24.6
88 16.0 12.7 19.1



#34
Benzene
Concen: 0.50 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX023542.D
Acq: 04 Aug 2021 14:45

Tgt Ion: 78 Resp: 4718
Ion Ratio Lower Upper
78 100
77 23.8 19.3 28.9
51 20.1 12.2 18.4#

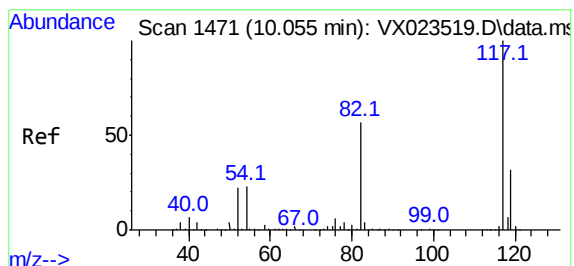
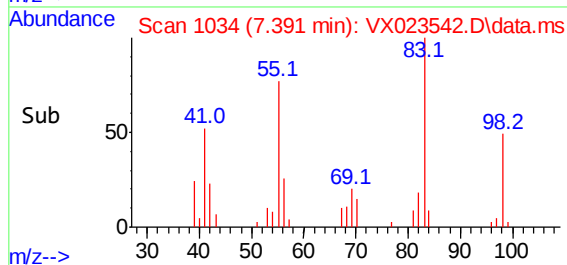
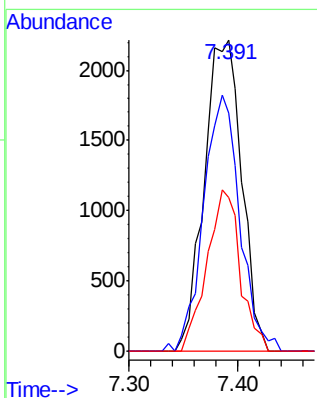
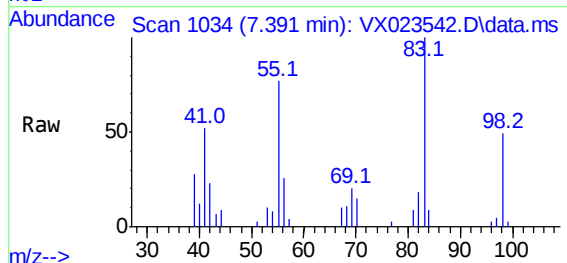




#38
Methylcyclohexane
Concen: 1.34 ug/l
RT: 7.391 min Scan# 1034
Delta R.T. 0.006 min
Lab File: VX023542.D
Acq: 04 Aug 2021 14:45

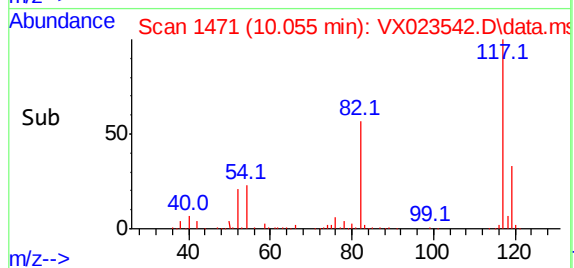
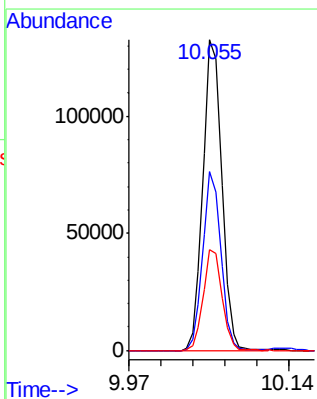
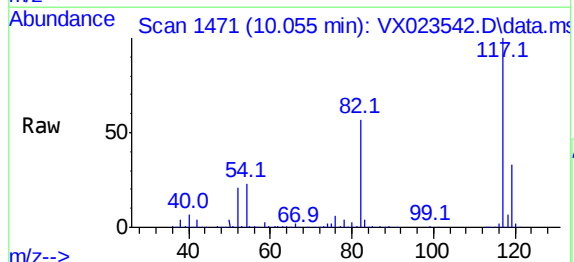
Instrument :
MSVOA_X
ClientSampleId :
TWP03

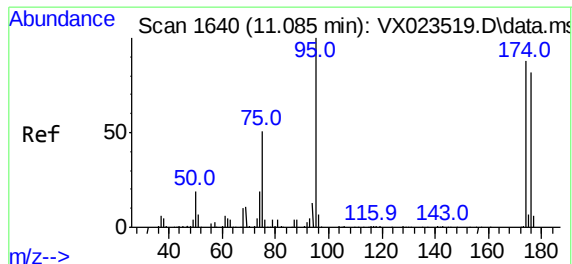
Tgt Ion: 83 Resp: 5291
Ion Ratio Lower Upper
83 100
55 79.4 37.8 113.4
98 46.0 23.4 70.3



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023542.D
Acq: 04 Aug 2021 14:45

Tgt Ion: 117 Resp: 180833
Ion Ratio Lower Upper
117 100
82 54.7 45.0 67.4
119 32.0 26.2 39.2



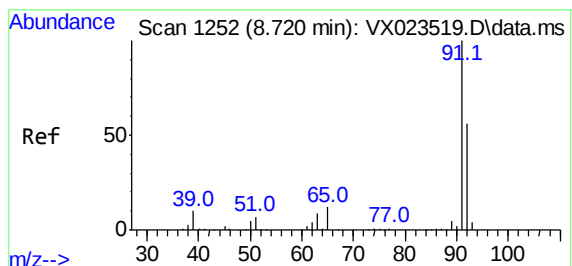
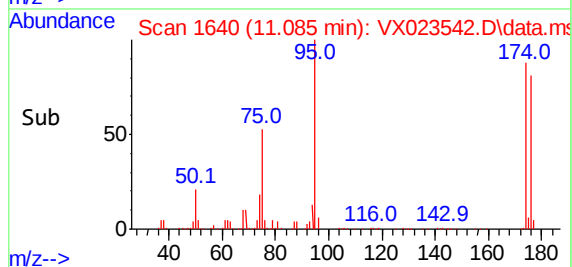
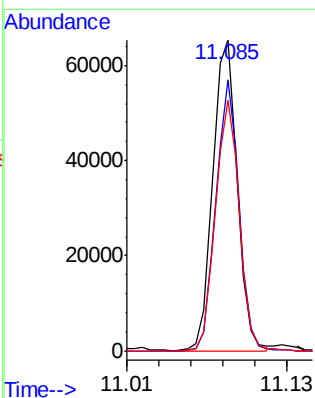
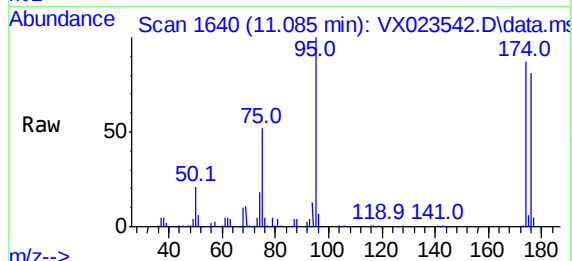


#60
4-Bromofluorobenzene
Concen: 28.69 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023542.D
Acq: 04 Aug 2021 14:45

Instrument :
MSVOA_X
ClientSampleId :
TWP03

Tgt Ion: 95 Resp: 84966

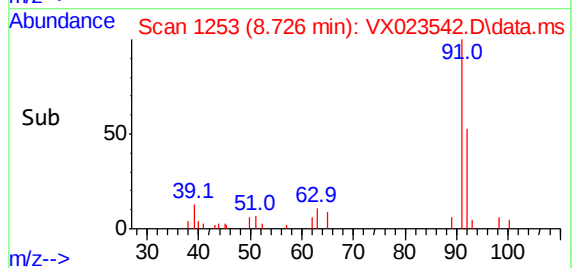
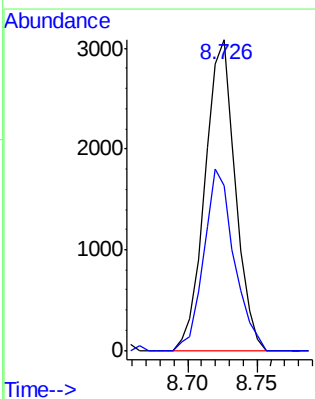
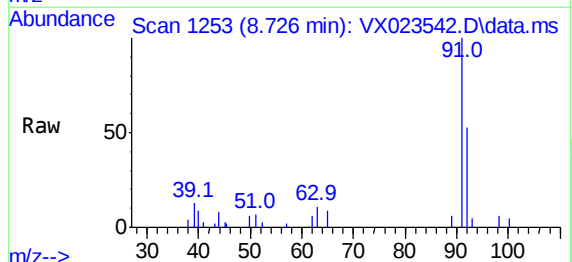
Ion	Ratio	Lower	Upper
95	100		
174	82.6	63.5	95.3
176	78.7	63.0	94.4

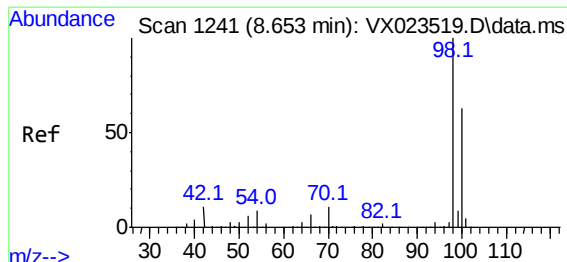


#62
Toluene
Concen: 0.46 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX023542.D
Acq: 04 Aug 2021 14:45

Tgt Ion: 91 Resp: 4694

Ion	Ratio	Lower	Upper
91	100		
92	58.2	46.5	69.7

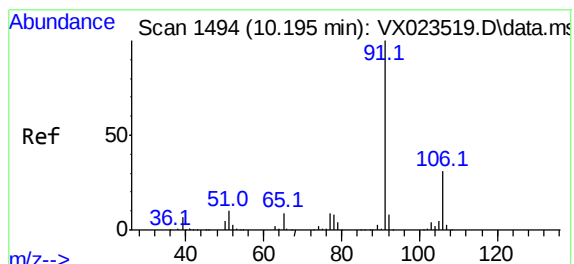
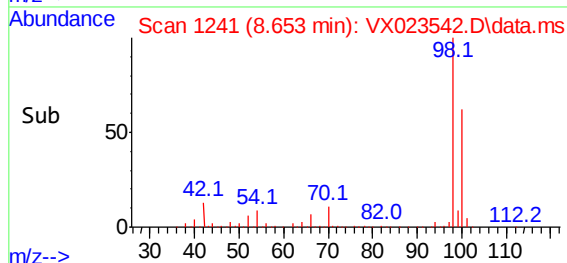
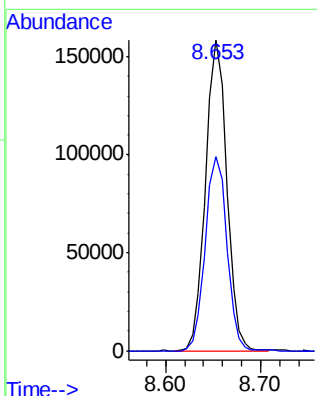
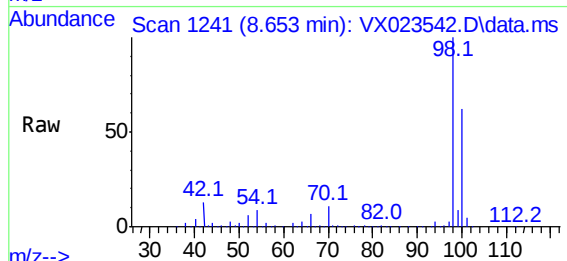




#63
Toluene-d8
Concen: 29.71 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX023542.D
Acq: 04 Aug 2021 14:45

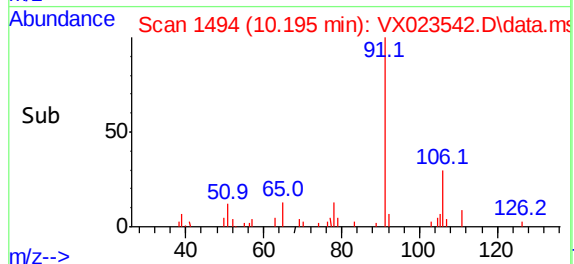
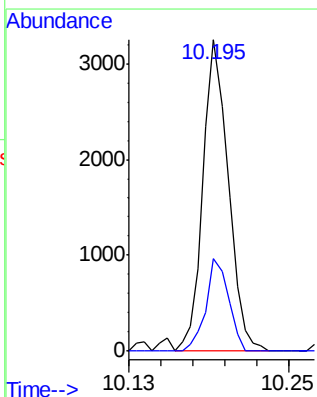
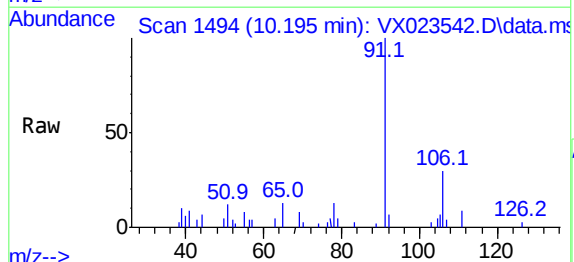
Instrument :
MSVOA_X
ClientSampleId :
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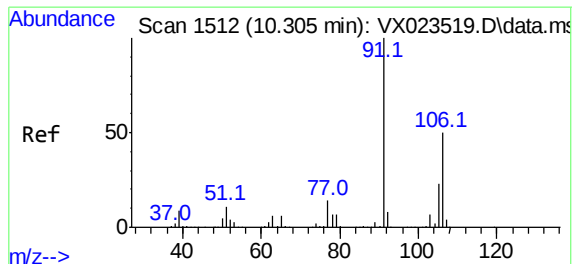
Tgt Ion: 98 Resp: 241774
Ion Ratio Lower Upper
98 100
100 63.6 51.4 77.0



#66
Ethyl Benzene
Concen: 0.39 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX023542.D
Acq: 04 Aug 2021 14:45

Tgt Ion: 91 Resp: 4373
Ion Ratio Lower Upper
91 100
106 29.7 24.7 37.1

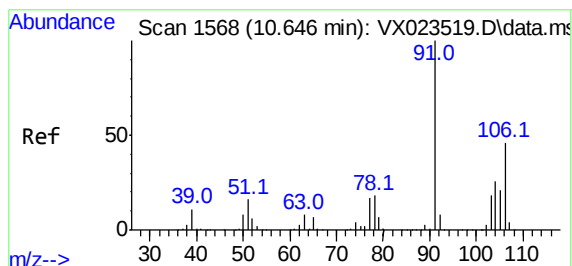
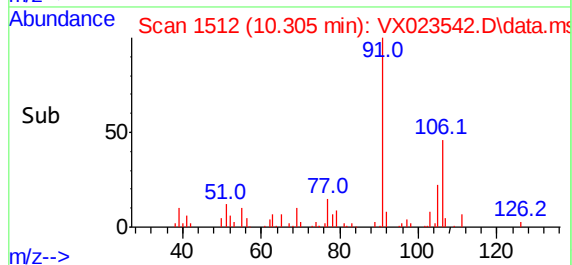
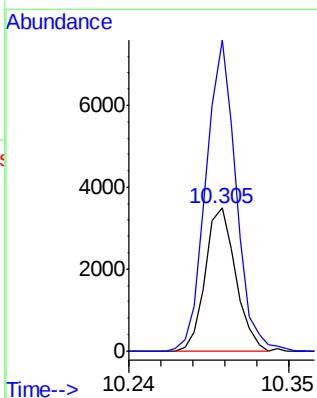
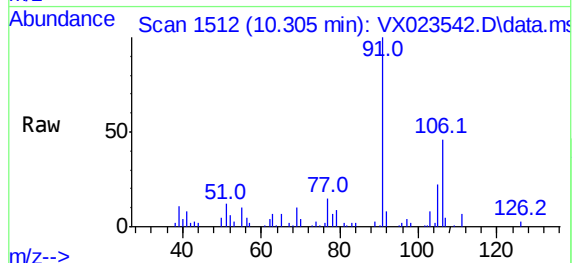




#67
m/p-Xylenes
Concen: 1.10 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX023542.D
Acq: 04 Aug 2021 14:45

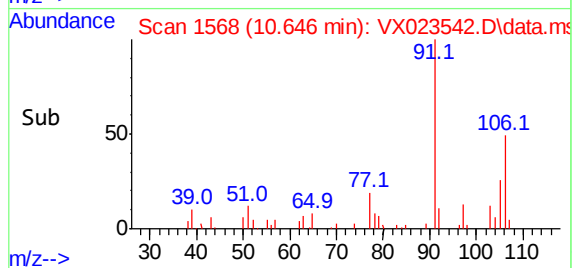
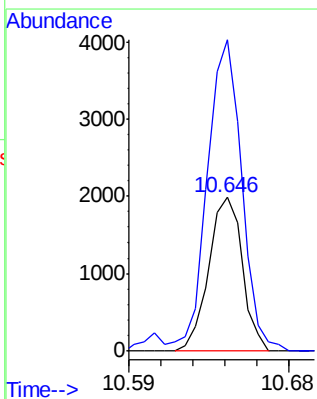
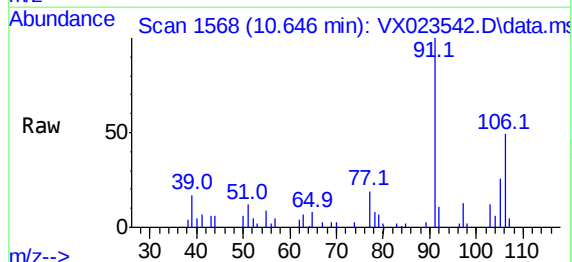
Instrument :
MSVOA_X
ClientSampled :
TWP03

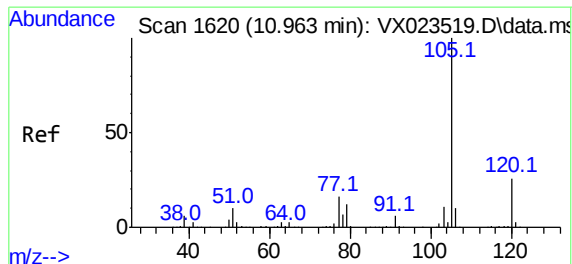
Tgt Ion:106 Resp: 4807
Ion Ratio Lower Upper
106 100
91 215.8 162.4 243.6



#68
o-Xylene
Concen: 0.63 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX023542.D
Acq: 04 Aug 2021 14:45

Tgt Ion:106 Resp: 2692
Ion Ratio Lower Upper
106 100
91 208.1 107.3 321.8

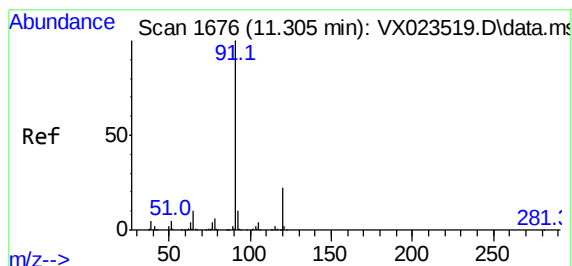
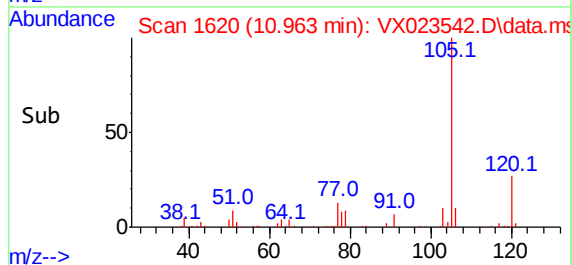
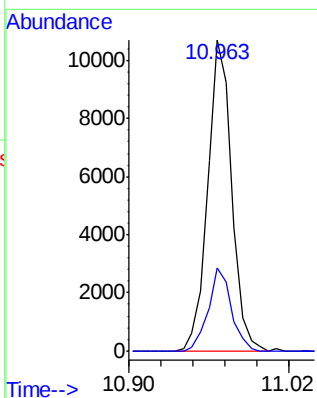
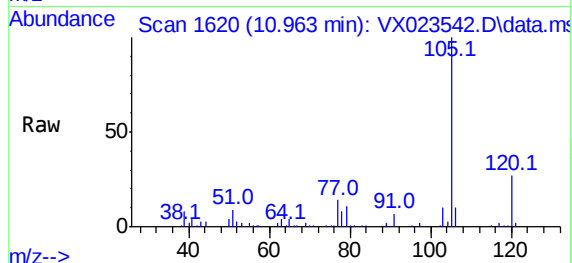




#70
Isopropylbenzene
Concen: 1.14 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX023542.D
Acq: 04 Aug 2021 14:45

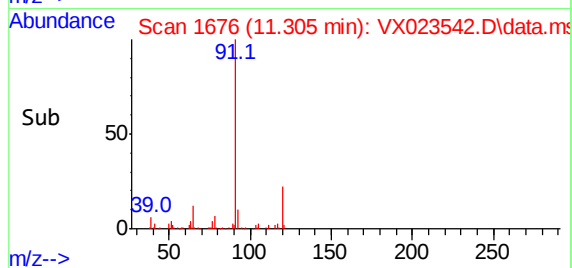
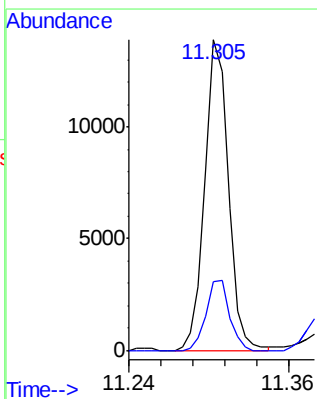
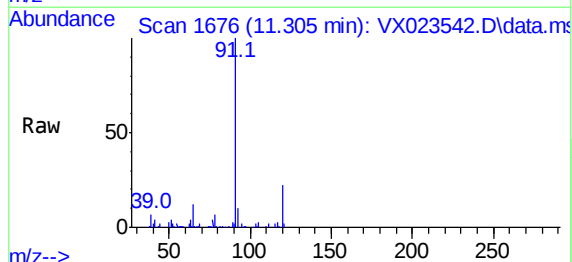
Instrument :
MSVOA_X
ClientSampleId :
TWP03

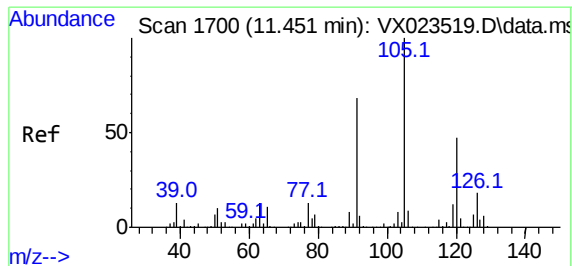
Tgt Ion:105 Resp: 12854
Ion Ratio Lower Upper
105 100
120 25.8 18.7 34.7



#74
n-propylbenzene
Concen: 1.32 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX023542.D
Acq: 04 Aug 2021 14:45

Tgt Ion: 91 Resp: 17363
Ion Ratio Lower Upper
91 100
120 22.2 0.0 46.0

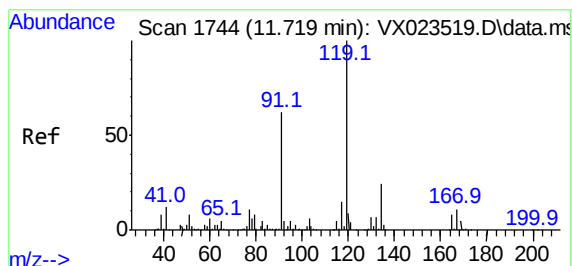
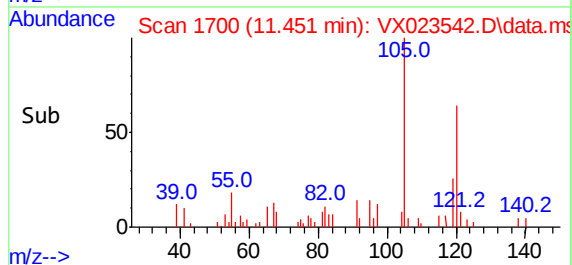
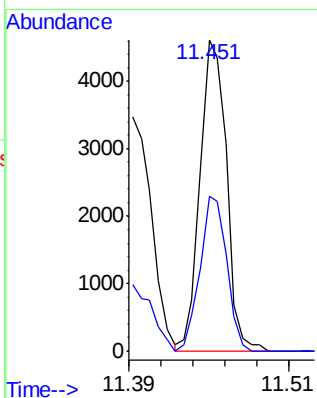
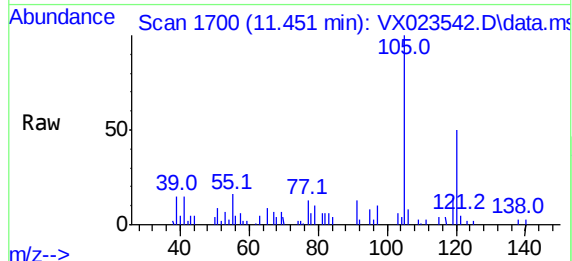




#76
1,3,5-Trimethylbenzene
Concen: 0.65 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX023542.D
Acq: 04 Aug 2021 14:45

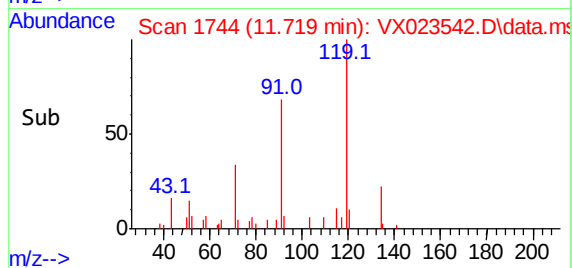
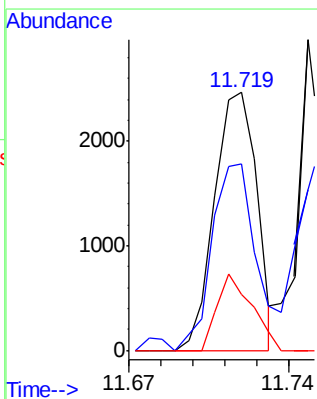
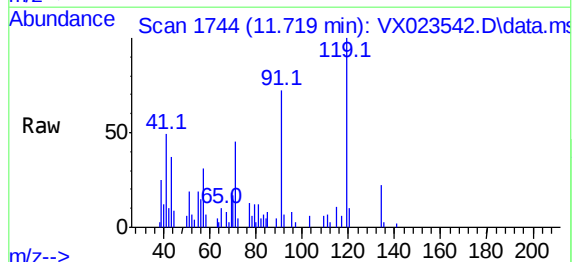
Instrument :
MSVOA_X
ClientSampled :
TWP03

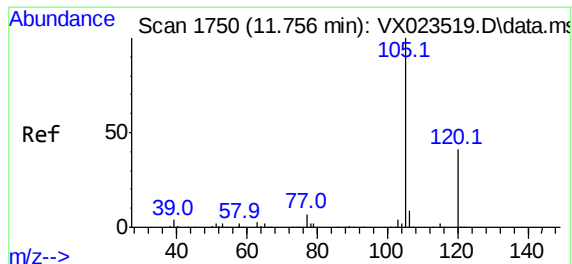
Tgt Ion:105 Resp: 6124
Ion Ratio Lower Upper
105 100
120 50.1 0.0 98.0



#79
tert-butylbenzene
Concen: 0.37 ug/l
RT: 11.719 min Scan# 1744
Delta R.T. 0.000 min
Lab File: VX023542.D
Acq: 04 Aug 2021 14:45

Tgt Ion:119 Resp: 3352
Ion Ratio Lower Upper
119 100
91 76.4 0.0 121.2
134 24.4 0.0 47.4

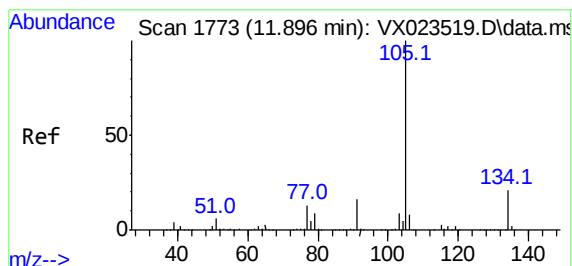
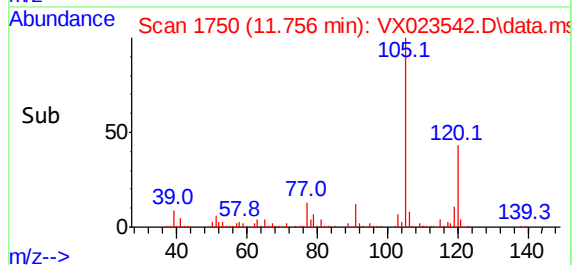
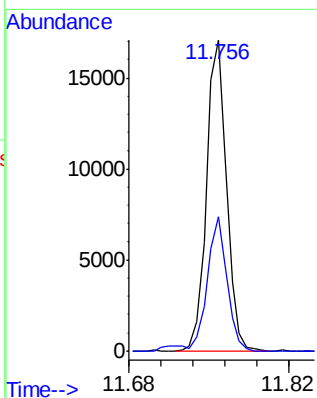
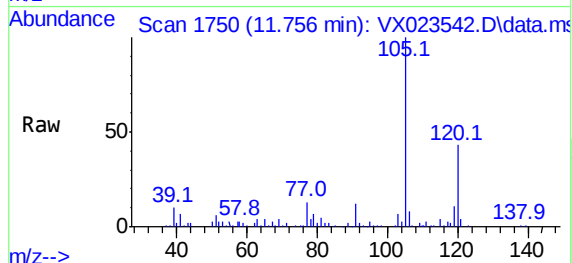




#80
1,2,4-Trimethylbenzene
Concen: 2.20 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX023542.D
Acq: 04 Aug 2021 14:45

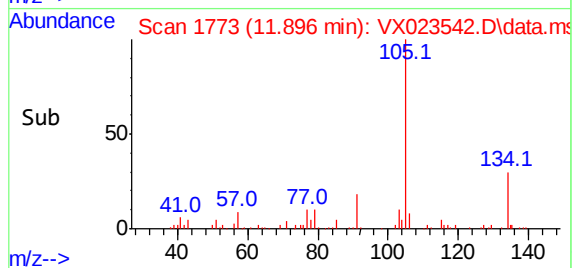
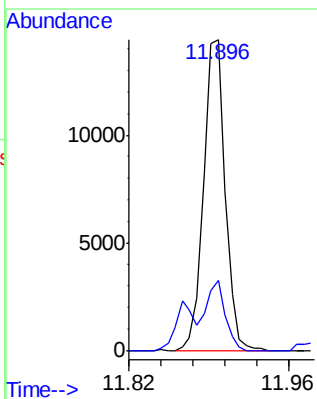
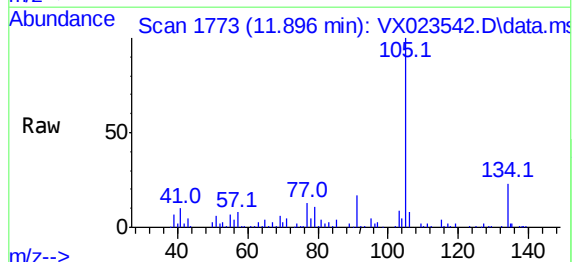
Instrument :
MSVOA_X
ClientSampleId :
TWP03

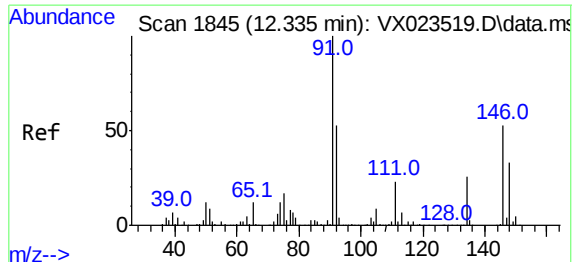
Tgt Ion:105 Resp: 20419
Ion Ratio Lower Upper
105 100
120 41.9 0.0 90.4



#81
sec-Butylbenzene
Concen: 1.60 ug/l
RT: 11.896 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VX023542.D
Acq: 04 Aug 2021 14:45

Tgt Ion:105 Resp: 18665
Ion Ratio Lower Upper
105 100
134 20.0 0.0 40.2



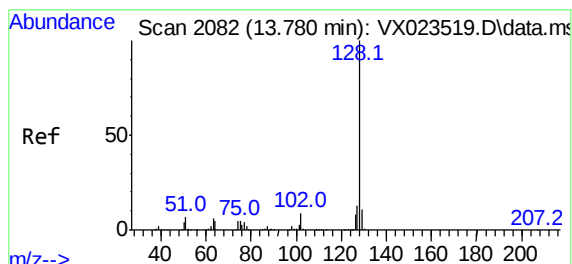
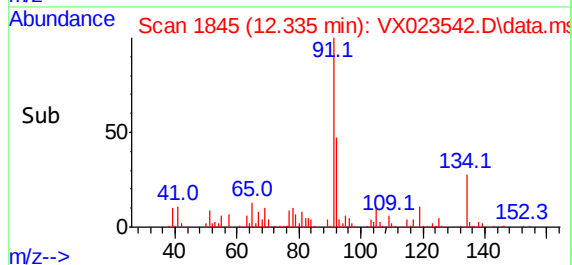
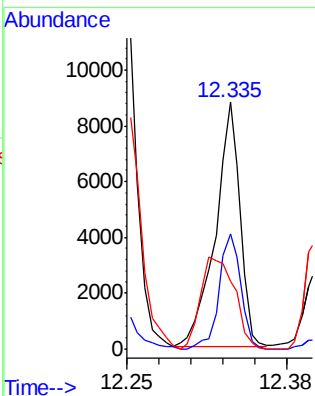
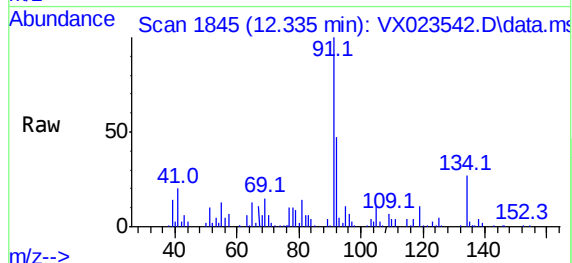


#85
n-Butylbenzene
Concen: 1.51 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX023542.D
Acq: 04 Aug 2021 14:45

Instrument :
MSVOA_X
ClientSampleId :
TWP03

Tgt Ion: 91 Resp: 12837

Ion	Ratio	Lower	Upper
91	100		
92	41.4	0.0	105.4
134	51.7	0.0	52.4



#91
Naphthalene
Concen: 7.33 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023542.D
Acq: 04 Aug 2021 14:45

Tgt Ion: 128 Resp: 75017

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.1	15.1
129	12.4	8.6	12.8

