

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080421\
 Data File : VX023541.D
 Acq On : 04 Aug 2021 14:21
 Operator : JC/MD
 Sample : M3281-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TWP01

Quant Time: Aug 05 05:18:48 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)

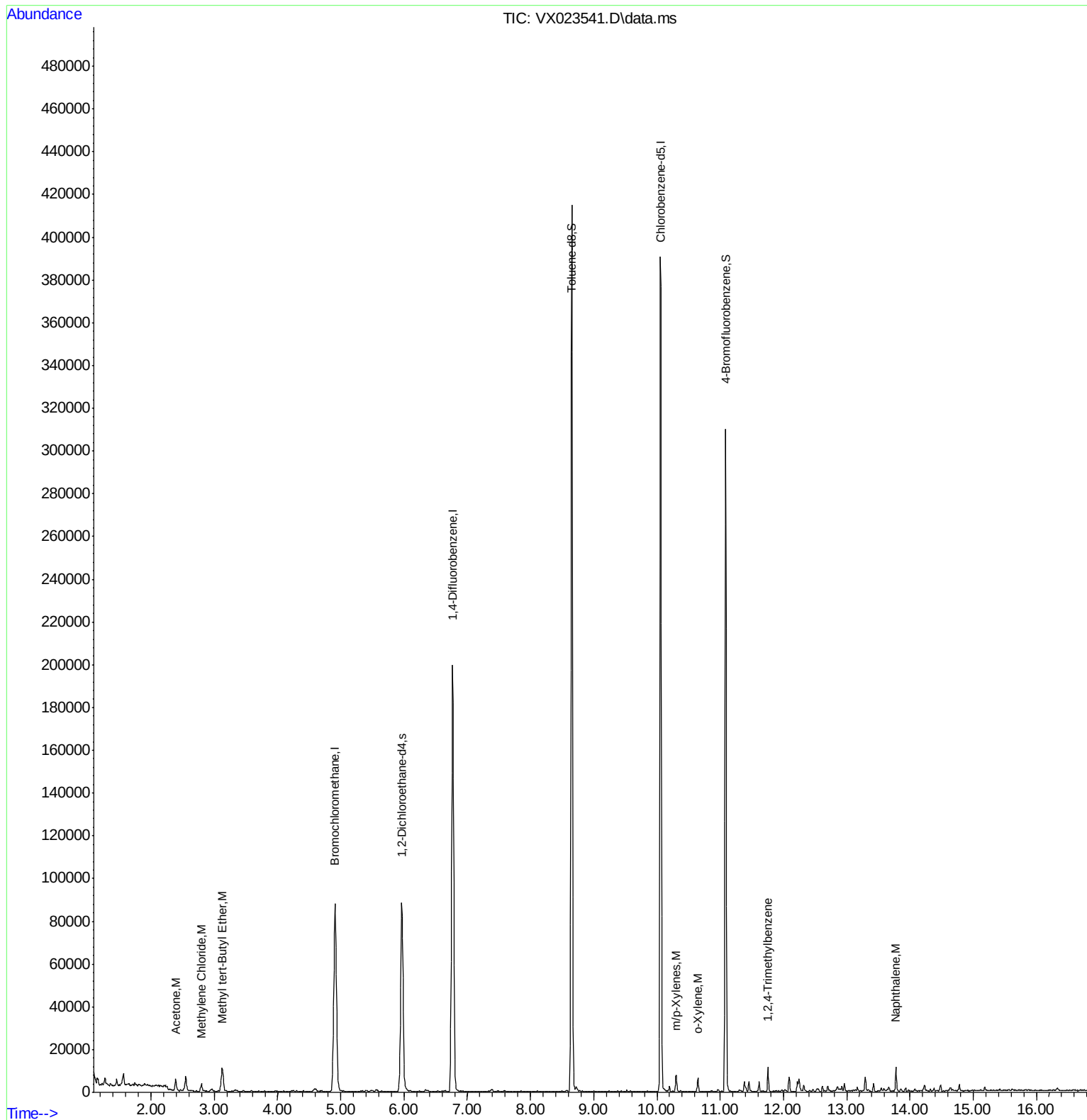
Internal Standards						
1) Bromochloromethane	4.904	128	36962	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	200831	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.061	117	175800	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	84078	29.41	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.03%
60) 4-Bromofluorobenzene	11.085	95	77703	26.99	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.97%
63) Toluene-d8	8.653	98	240949	30.45	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.50%
Target Compounds						
					Qvalue	
15) Acetone	2.392	58	1781	4.16	ug/l	81
18) Methylene Chloride	2.788	84	1615	0.64	ug/l	87
24) Methyl tert-Butyl Ether	3.123	73	11918	1.59	ug/l	96
67) m/p-Xylenes	10.305	106	2008	0.47	ug/l	76
68) o-Xylene	10.647	106	1315	0.31	ug/l	94
80) 1,2,4-Trimethylbenzene	11.756	105	4882	0.54	ug/l	93
91) Naphthalene	13.780	128	7112	0.71	ug/l	98

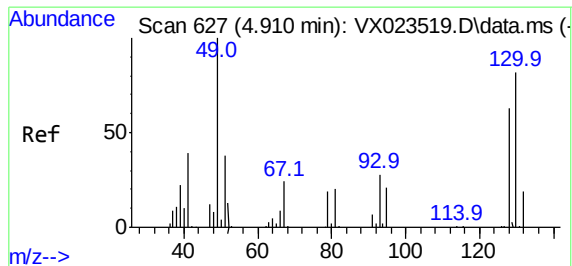
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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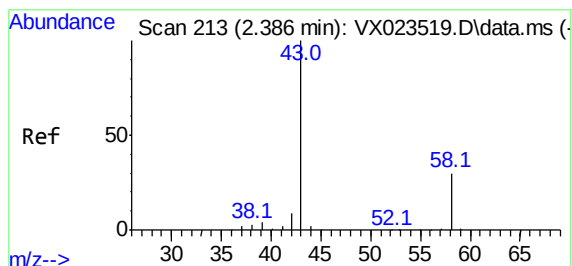
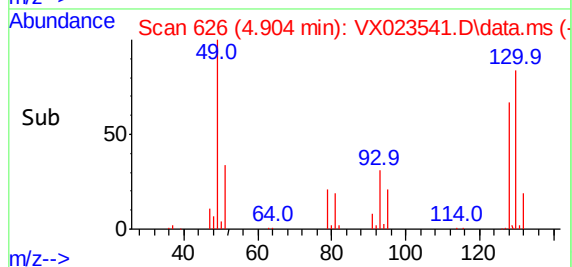
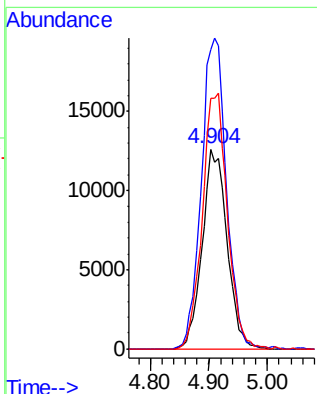
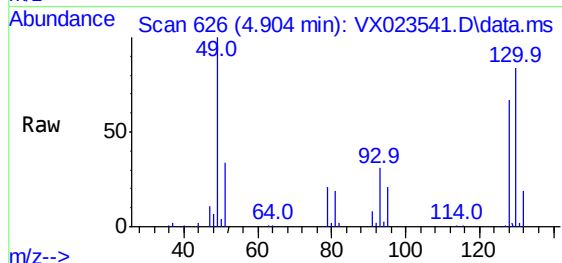




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.904 min Scan# 626
Delta R.T. -0.006 min
Lab File: VX023541.D
Acq: 04 Aug 2021 14:21

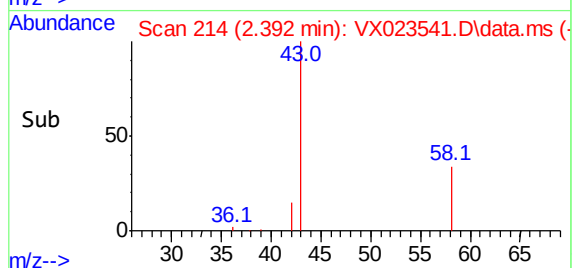
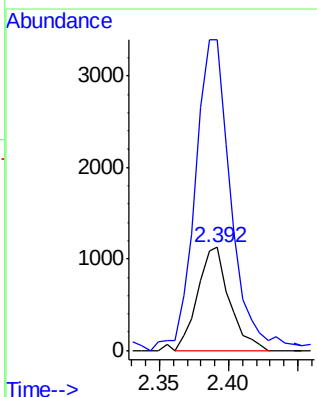
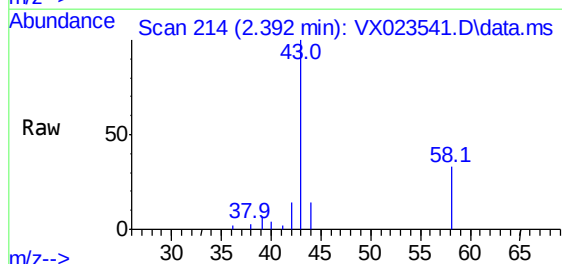
Instrument :
MSVOA_X
ClientSampled :
TWP01

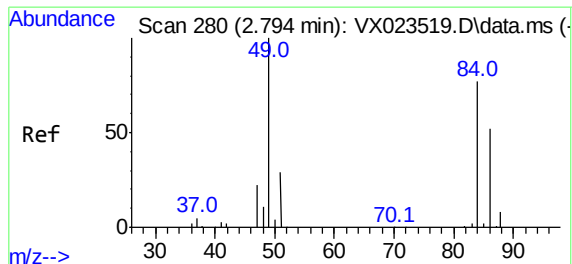
Tgt Ion:128 Resp: 36962
Ion Ratio Lower Upper
128 100
49 158.3 0.0 402.5
130 129.7 0.0 326.5



#15
Acetone
Concen: 4.16 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX023541.D
Acq: 04 Aug 2021 14:21

Tgt Ion: 58 Resp: 1781
Ion Ratio Lower Upper
58 100
43 292.3 266.6 400.0



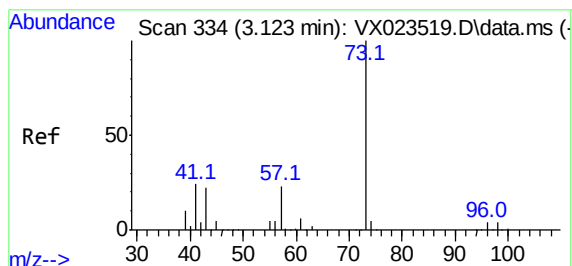
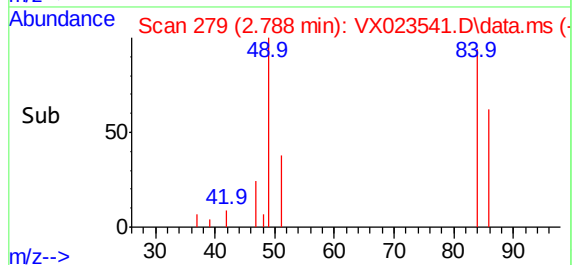
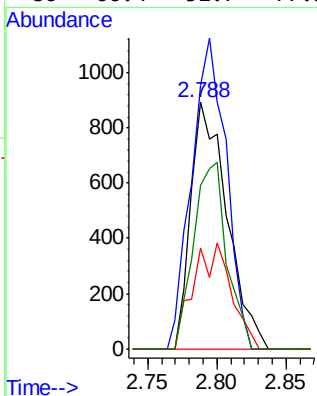
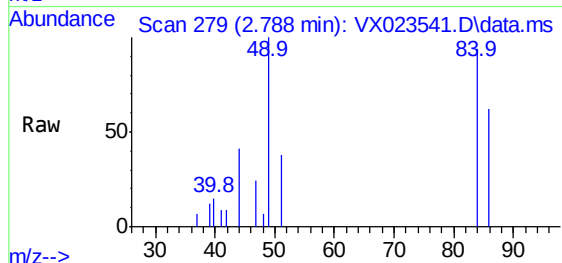


#18
Methylene Chloride
Concen: 0.64 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX023541.D
Acq: 04 Aug 2021 14:21

Instrument :
MSVOA_X
ClientSampleId :
TWP01

Tgt Ion: 84 Resp: 1615

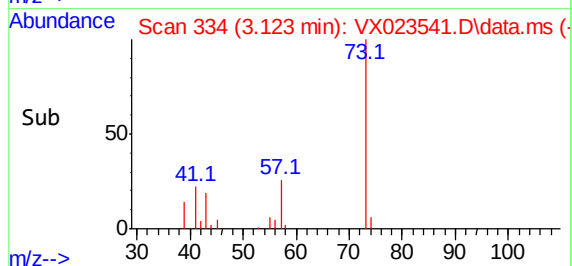
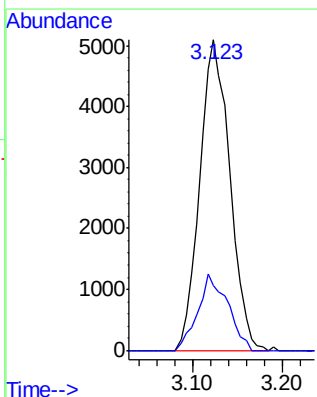
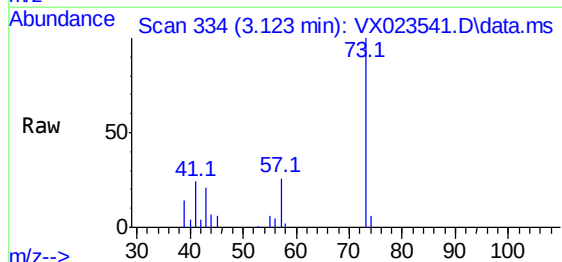
Ion	Ratio	Lower	Upper
84	100		
49	106.7	104.3	156.5
51	40.9	30.3	45.5
86	66.4	51.7	77.5

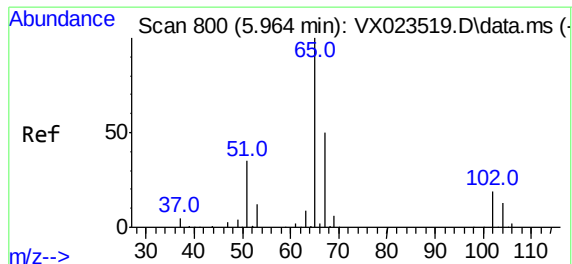


#24
Methyl tert-Butyl Ether
Concen: 1.59 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.000 min
Lab File: VX023541.D
Acq: 04 Aug 2021 14:21

Tgt Ion: 73 Resp: 11918

Ion	Ratio	Lower	Upper
73	100		
43	24.4	17.9	26.9

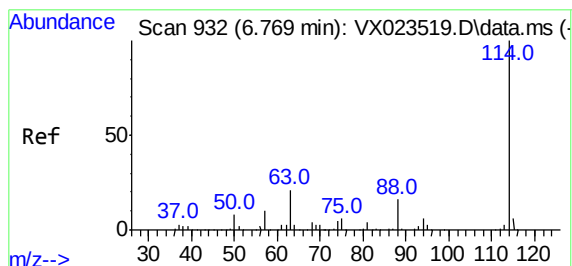
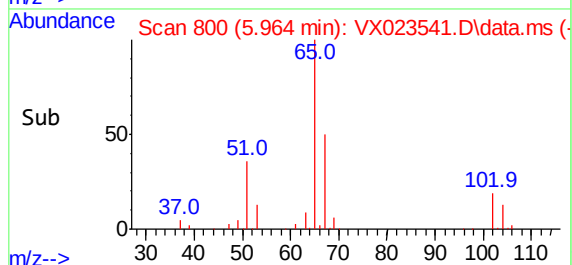
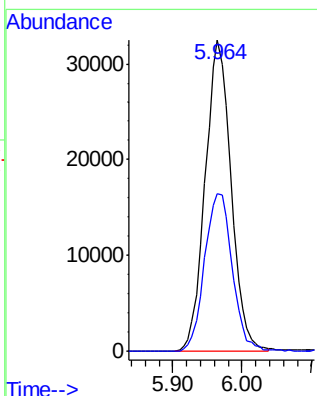
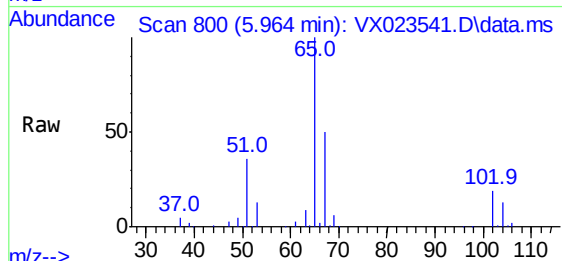




#27
 1,2-Dichloroethane-d4
 Concen: 29.41 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX023541.D
 Acq: 04 Aug 2021 14:21

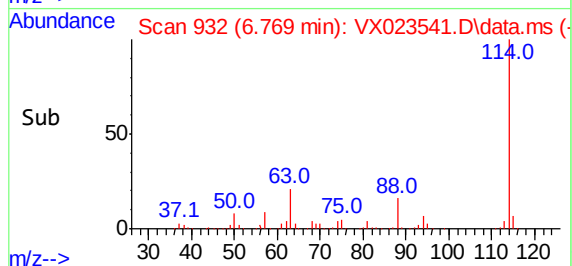
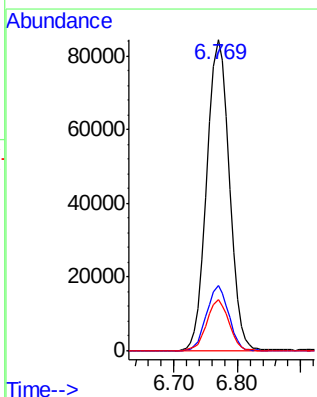
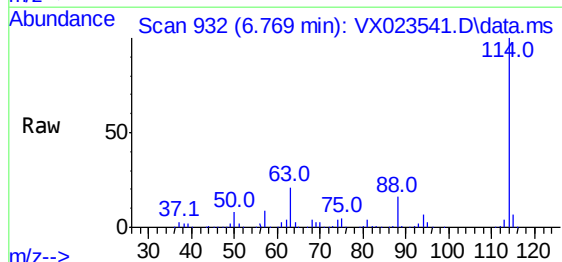
Instrument :
 MSVOA_X
 ClientSampleId :
 TWP01

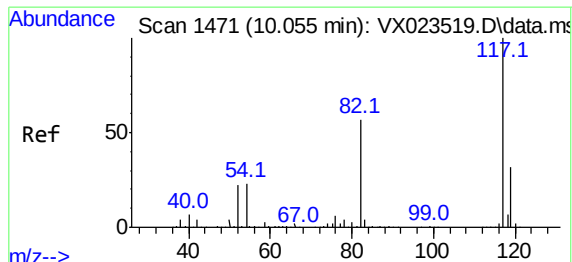
Tgt Ion: 65 Resp: 84078
 Ion Ratio Lower Upper
 65 100
 67 53.8 42.4 63.6



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX023541.D
 Acq: 04 Aug 2021 14:21

Tgt Ion:114 Resp: 200831
 Ion Ratio Lower Upper
 114 100
 63 20.3 16.4 24.6
 88 15.9 12.7 19.1

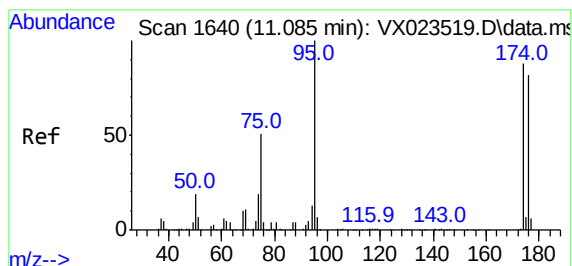
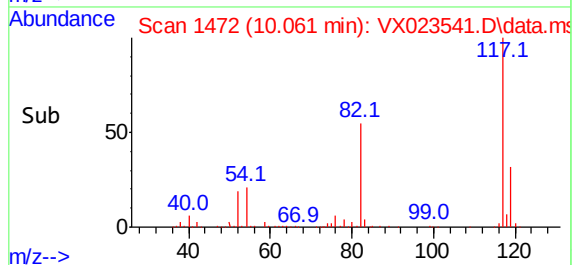
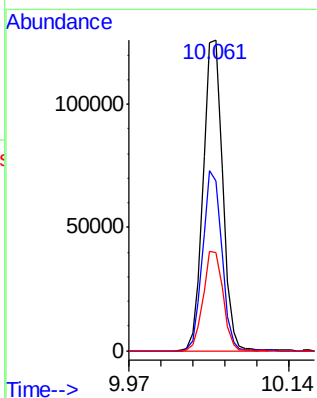
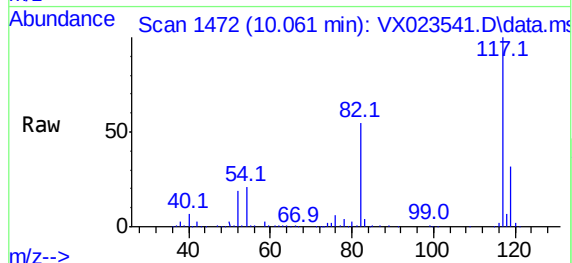




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX023541.D
Acq: 04 Aug 2021 14:21

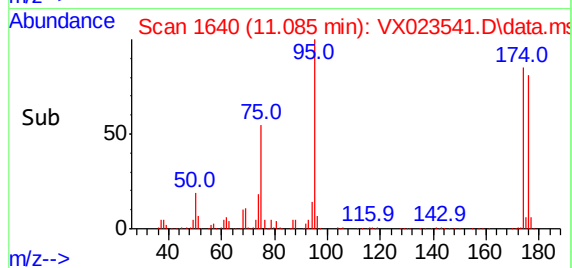
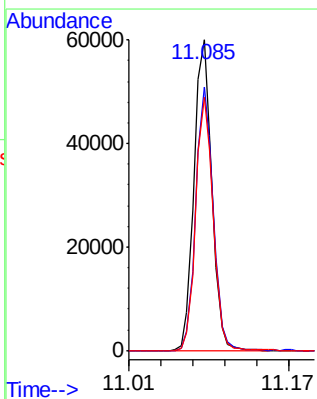
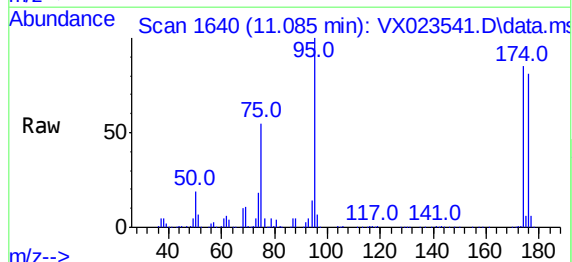
Instrument :
MSVOA_X
ClientSampleId :
TWP01

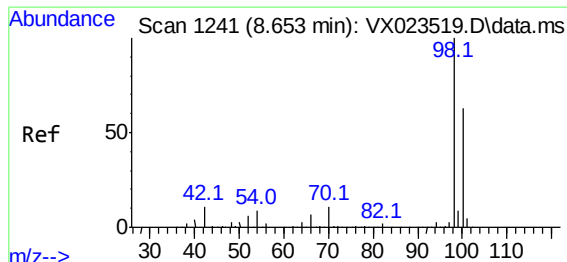
Tgt Ion:117 Resp: 175800
Ion Ratio Lower Upper
117 100
82 57.1 45.0 67.4
119 32.6 26.2 39.2



#60
4-Bromofluorobenzene
Concen: 26.99 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023541.D
Acq: 04 Aug 2021 14:21

Tgt Ion: 95 Resp: 77703
Ion Ratio Lower Upper
95 100
174 82.5 63.5 95.3
176 79.7 63.0 94.4

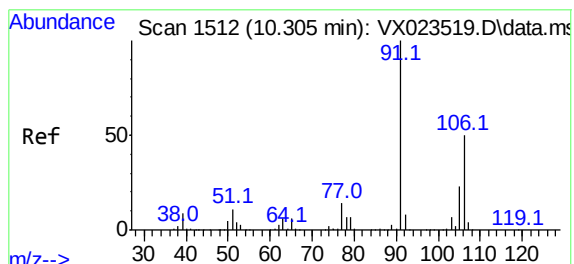
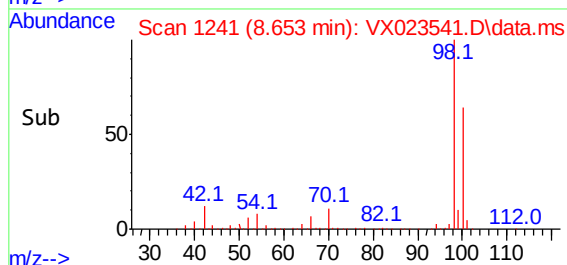
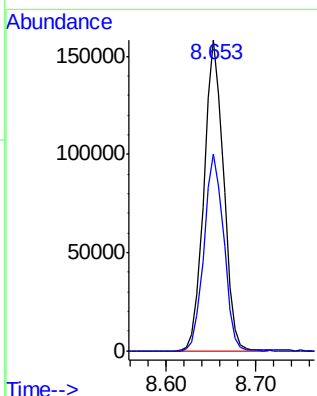
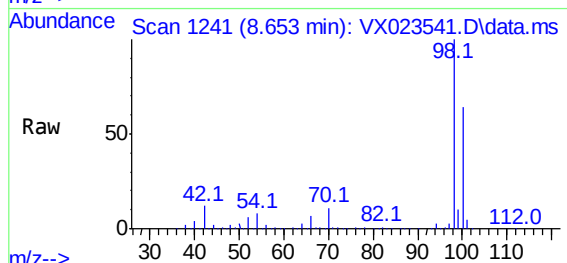




#63
Toluene-d8
Concen: 30.45 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX023541.D
Acq: 04 Aug 2021 14:21

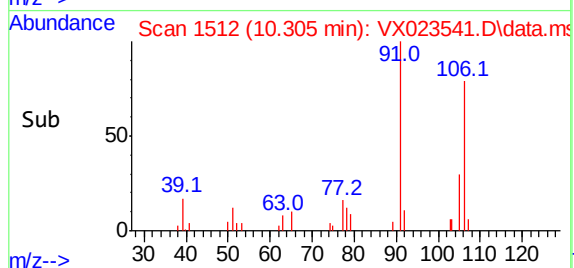
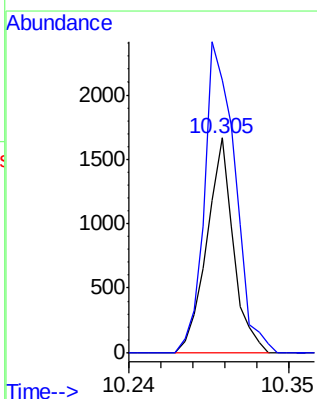
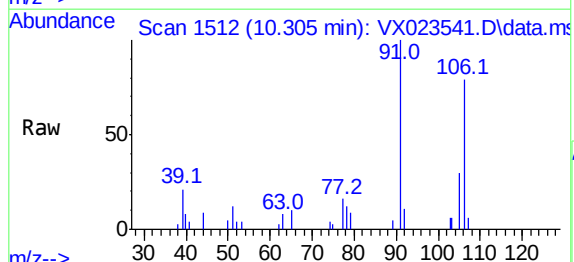
Instrument :
MSVOA_X
ClientSampleId :
TWP01

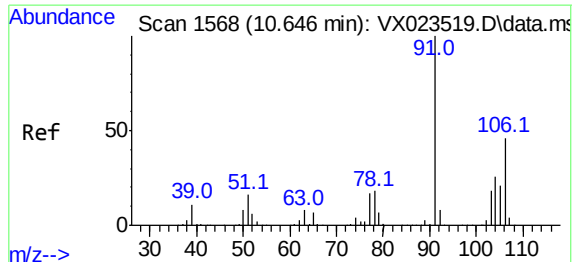
Tgt Ion: 98 Resp: 240949
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.0



#67
m/p-Xylenes
Concen: 0.47 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX023541.D
Acq: 04 Aug 2021 14:21

Tgt Ion: 106 Resp: 2008
Ion Ratio Lower Upper
106 100
91 166.6 162.4 243.6

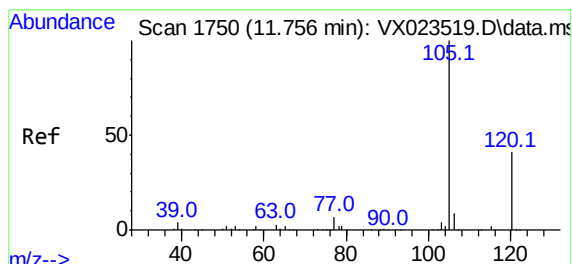
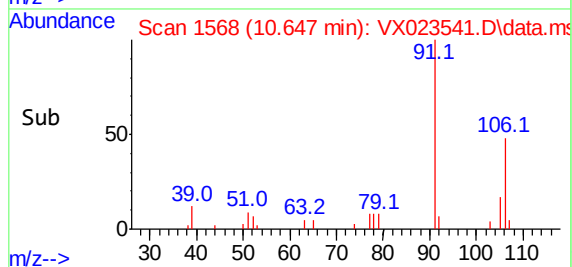
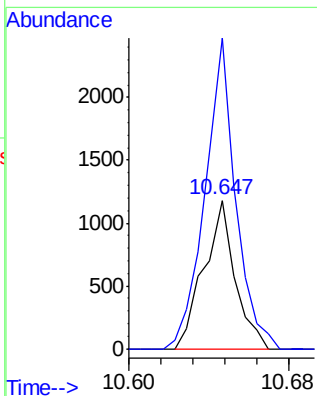
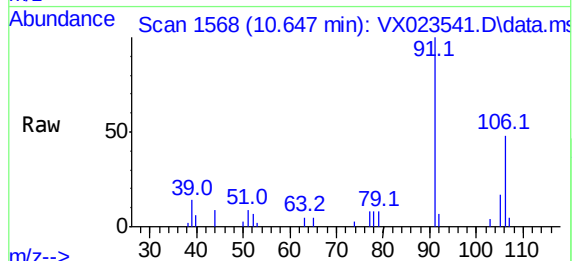




#68
o-Xylene
Concen: 0.31 ug/l
RT: 10.647 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX023541.D
Acq: 04 Aug 2021 14:21

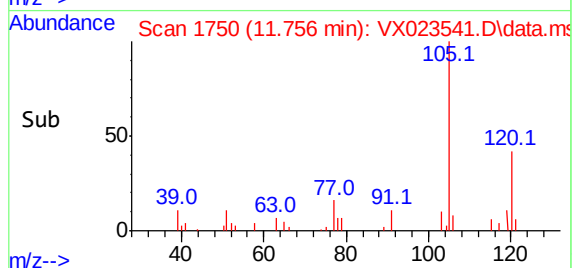
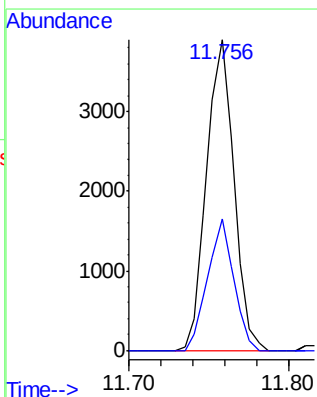
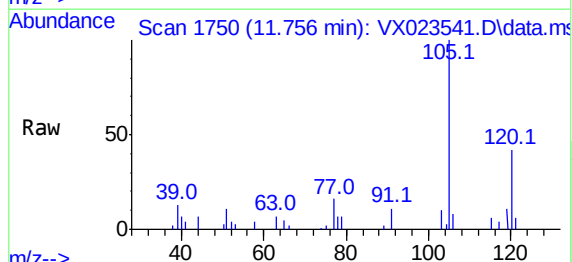
Instrument :
MSVOA_X
ClientSampled :
TWP01

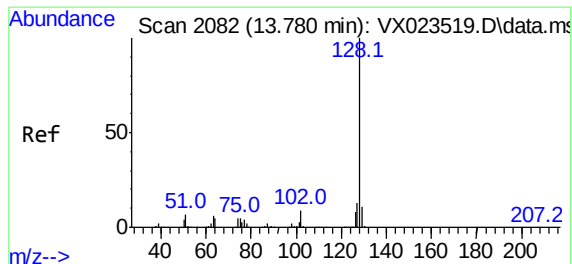
Tgt Ion:106 Resp: 1315
Ion Ratio Lower Upper
106 100
91 205.1 107.3 321.8



#80
1,2,4-Trimethylbenzene
Concen: 0.54 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX023541.D
Acq: 04 Aug 2021 14:21

Tgt Ion:105 Resp: 4882
Ion Ratio Lower Upper
105 100
120 40.4 0.0 90.4





#91
Naphthalene
Concen: 0.71 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023541.D
Acq: 04 Aug 2021 14:21

Instrument :
MSVOA_X
ClientSampleId :
TWP01

Tgt Ion:128 Resp: 7112

Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.1	15.1
129	10.8	8.6	12.8

