

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070924\
 Data File : VX042241.D
 Acq On : 09 Jul 2024 11:46
 Operator : JC/MD
 Sample : P3150-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 09 17:53:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 15 04:02:59 2024
 Response via : Initial Calibration

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

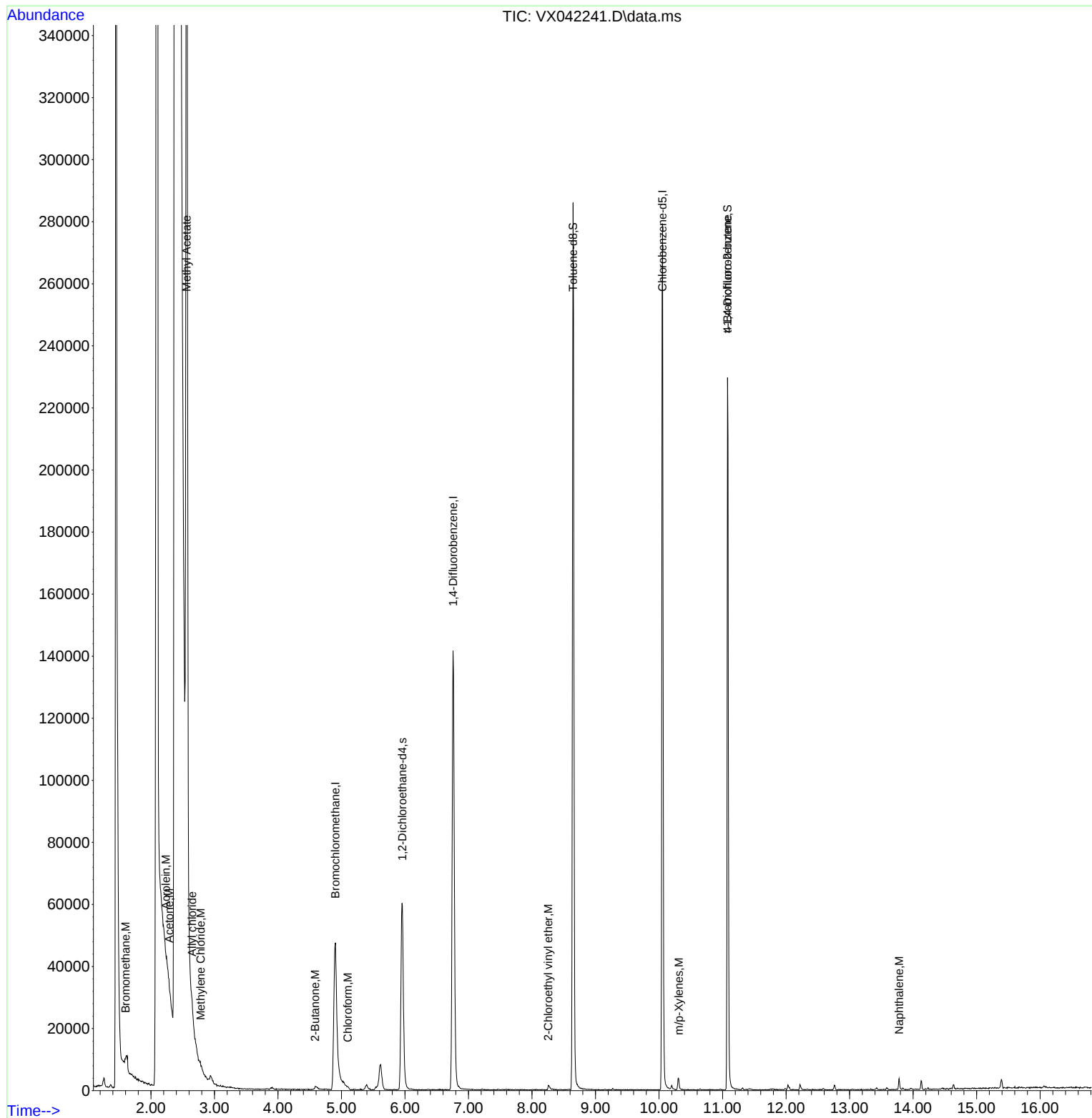
Internal Standards						
1) Bromochloromethane	4.903	128	27291	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	159890	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	143398	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	59055	31.434	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.767%
60) 4-Bromofluorobenzene	11.079	95	61546	27.727	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.433%
63) Toluene-d8	8.647	98	179327	29.230	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.433%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	359	0.348	ug/l #	80
12) Methyl Acetate	2.562	43	199246	93.699	ug/l #	51
13) Acrolein	2.233	56	183	0.427	ug/l #	82
15) Acetone	2.288	58	187	0.648	ug/l	87
17) Allyl chloride	2.648	41	3667	1.448	ug/l #	47
18) Methylene Chloride	2.782	84	383	0.200	ug/l #	76
25) Chloroform	5.099	83	881	0.291	ug/l	89
30) 2-Butanone	4.586	43	694	0.498	ug/l #	94
55) 2-Chloroethyl vinyl ether	8.257	63	563	0.427	ug/l #	93
67) m/p-Xylenes	10.311	106	1332	0.417	ug/l	96
77) t-1,4-Dichloro-2-butene	11.079	75	27277	32.883	ug/l #	7
91) Naphthalene	13.780	128	2927	0.340	ug/l	97

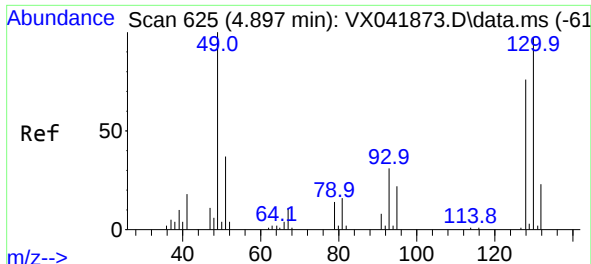
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070924\
Data File : VX042241.D
Acq On : 09 Jul 2024 11:46
Operator : JC/MD
Sample : P3150-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

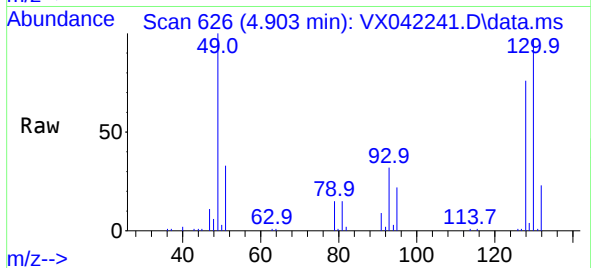
Quant Time: Jul 09 17:53:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 15 04:02:59 2024
Response via : Initial Calibration



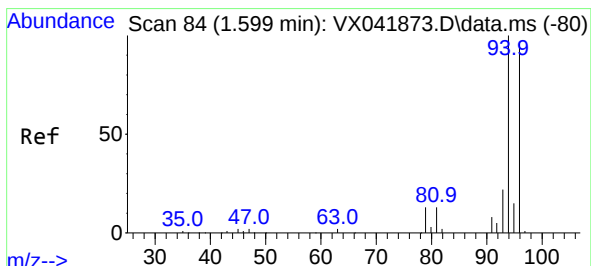
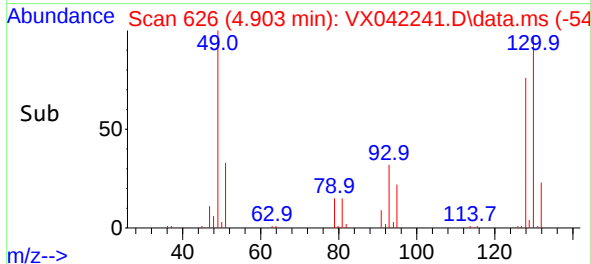
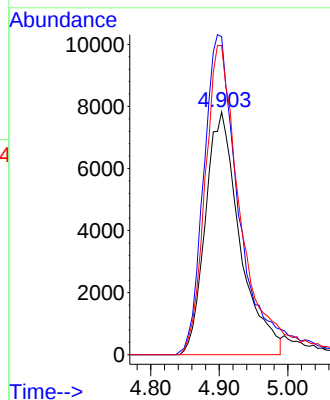


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX042241.D
Acq: 09 Jul 2024 11:46

Instrument :
MSVOA_X
ClientSampleId :

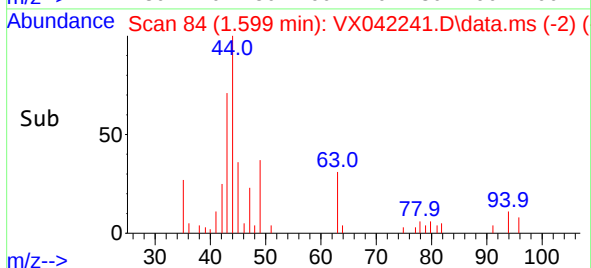
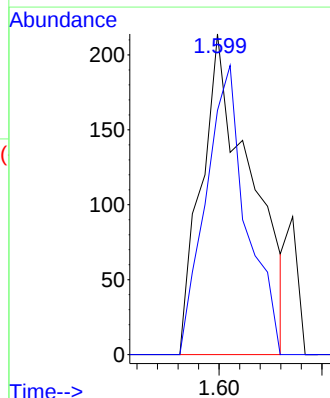
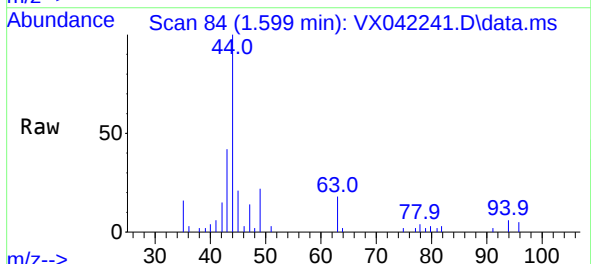


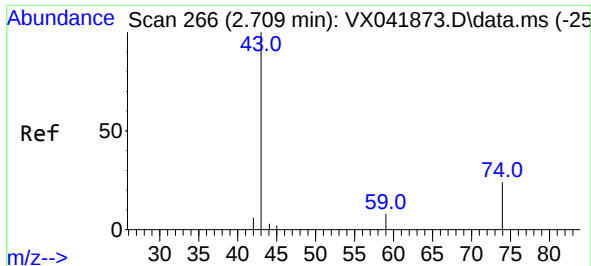
Tgt Ion:128 Resp: 27291
Ion Ratio Lower Upper
128 100
49 135.4 0.0 338.5
130 131.0 0.0 324.5



#5
Bromomethane
Concen: 0.348 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX042241.D
Acq: 09 Jul 2024 11:46

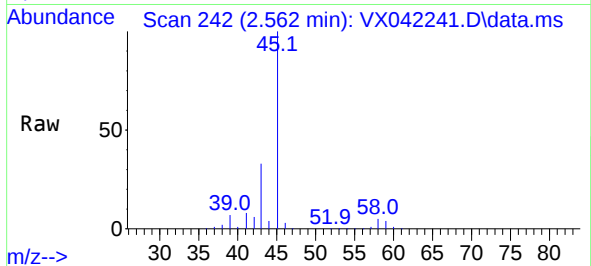
Tgt Ion: 94 Resp: 359
Ion Ratio Lower Upper
94 100
96 76.2 76.6 115.0#



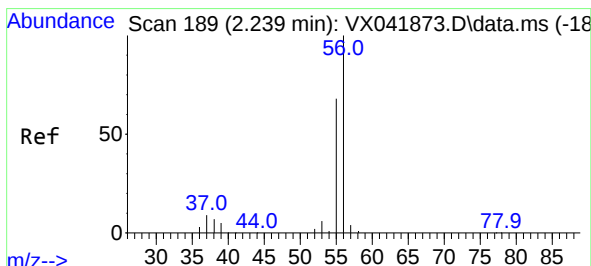
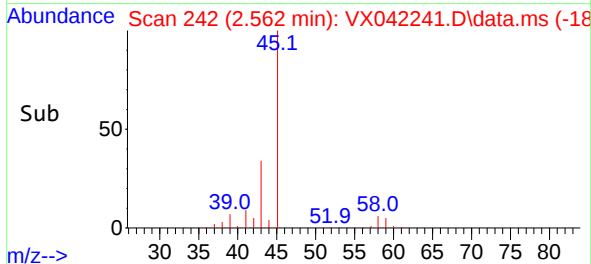
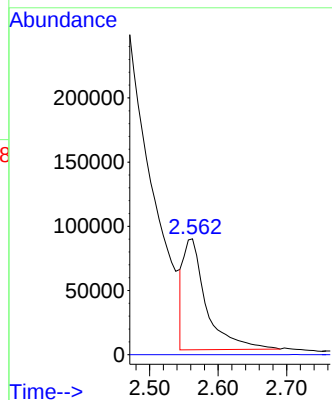


#12
Methyl Acetate
Concen: 93.699 ug/l
RT: 2.562 min Scan# 24
Delta R.T. -0.146 min
Lab File: VX042241.D
Acq: 09 Jul 2024 11:46

Instrument :
MSVOA_X
ClientSampleId :

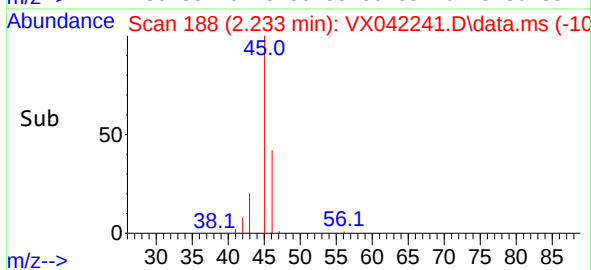
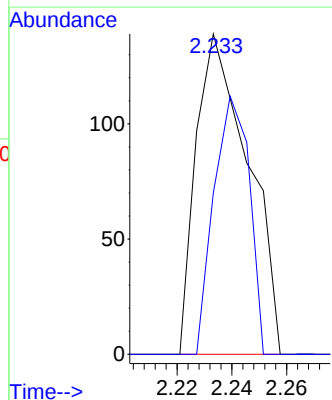
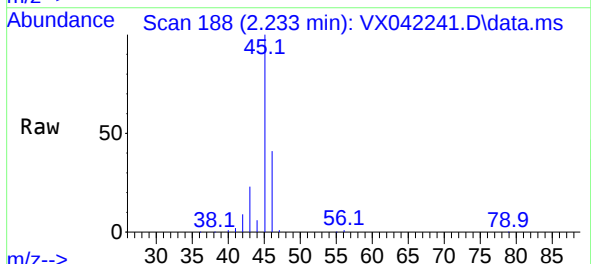


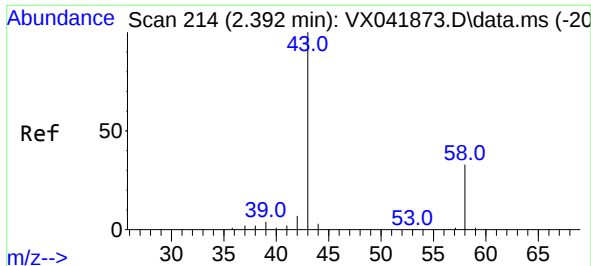
Tgt Ion: 43 Resp: 199246
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#13
Acrolein
Concen: 0.427 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX042241.D
Acq: 09 Jul 2024 11:46

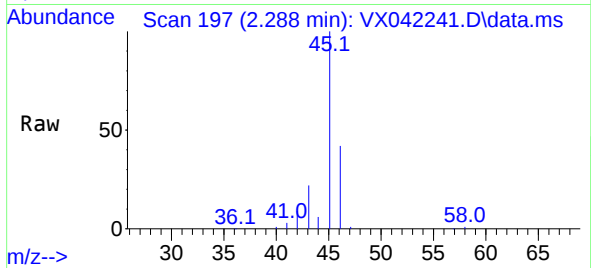
Tgt Ion: 56 Resp: 183
Ion Ratio Lower Upper
56 100
55 54.6 55.4 83.0#



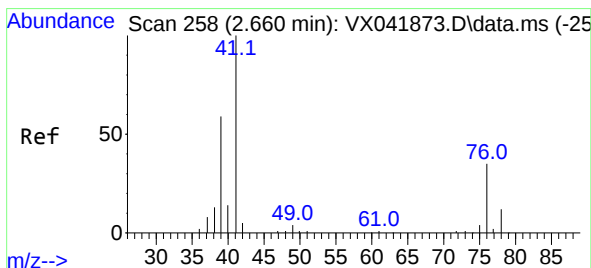
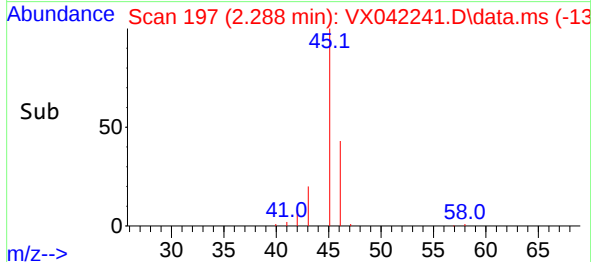
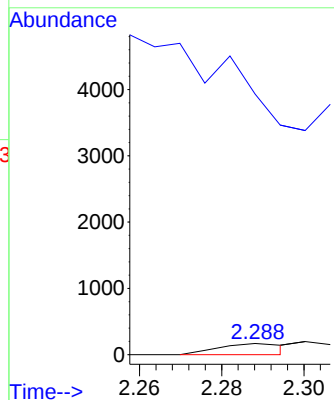


#15
Acetone
Concen: 0.648 ug/l
RT: 2.288 min Scan# 197
Delta R.T. -0.104 min
Lab File: VX042241.D
Acq: 09 Jul 2024 11:46

Instrument :
MSVOA_X
ClientSampleId :

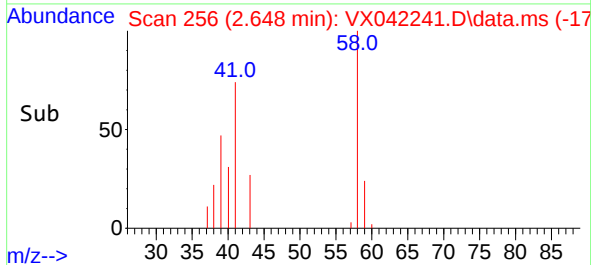
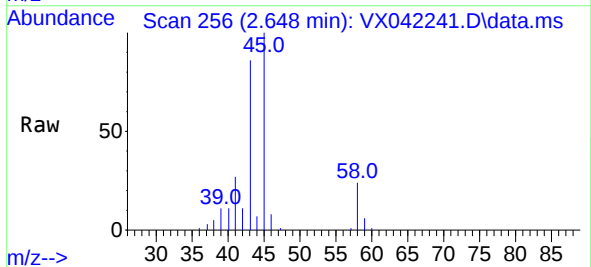
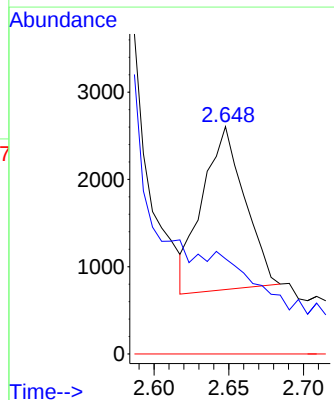


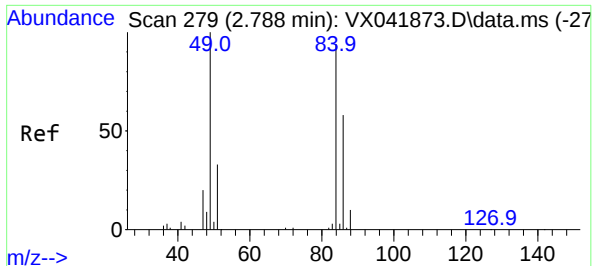
Tgt Ion: 58 Resp: 187
Ion Ratio Lower Upper
58 100
43 278.0 243.4 365.2



#17
Allyl chloride
Concen: 1.448 ug/l
RT: 2.648 min Scan# 256
Delta R.T. -0.012 min
Lab File: VX042241.D
Acq: 09 Jul 2024 11:46

Tgt Ion: 41 Resp: 3667
Ion Ratio Lower Upper
41 100
39 23.1 29.6 88.8#
76 0.0 18.1 54.4#

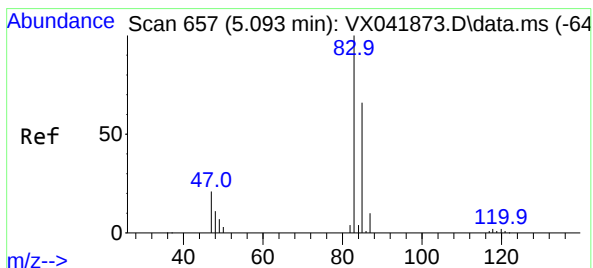
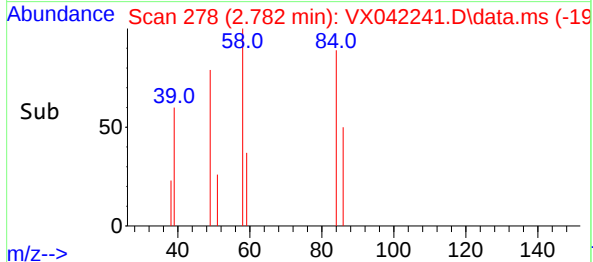
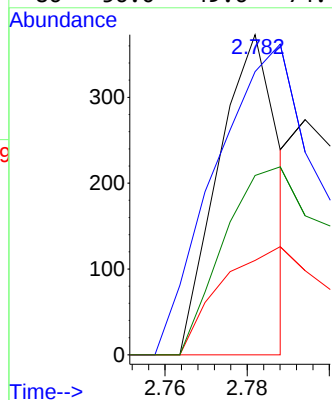
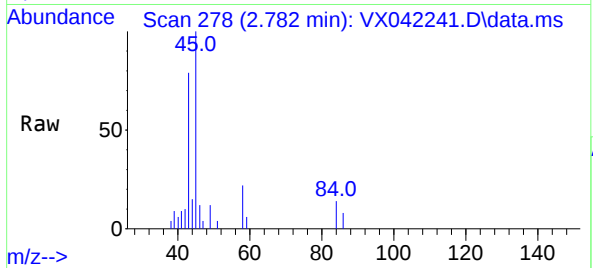




#18
Methylene Chloride
Concen: 0.200 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX042241.D
Acq: 09 Jul 2024 11:46

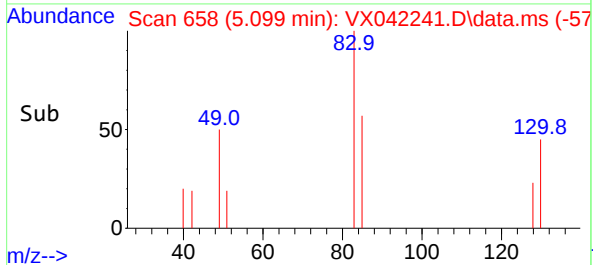
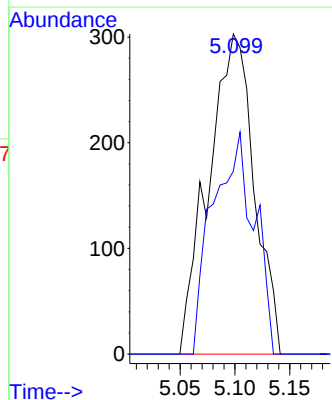
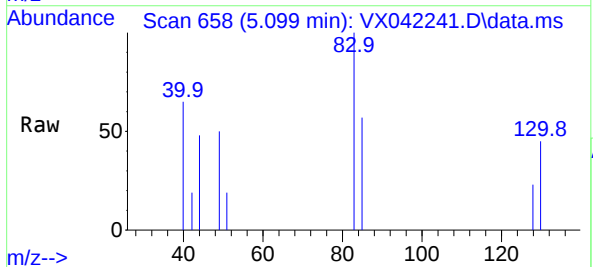
Instrument :
MSVOA_X
ClientSampleId :

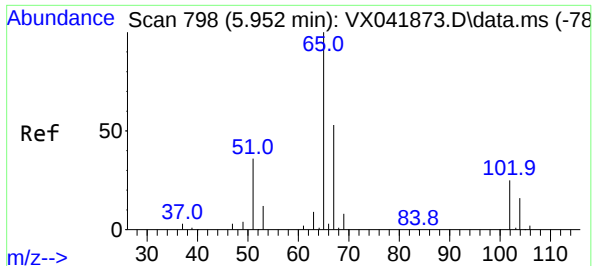
Tgt Ion: 84 Resp: 383
Ion Ratio Lower Upper
84 100
49 66.8 85.3 127.9#
51 29.5 28.5 42.7
86 56.0 49.6 74.4



#25
Chloroform
Concen: 0.291 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.006 min
Lab File: VX042241.D
Acq: 09 Jul 2024 11:46

Tgt Ion: 83 Resp: 881
Ion Ratio Lower Upper
83 100
85 57.1 52.7 79.1

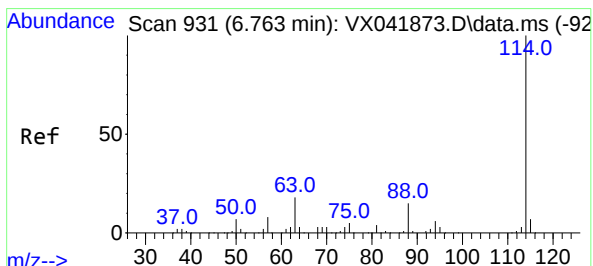
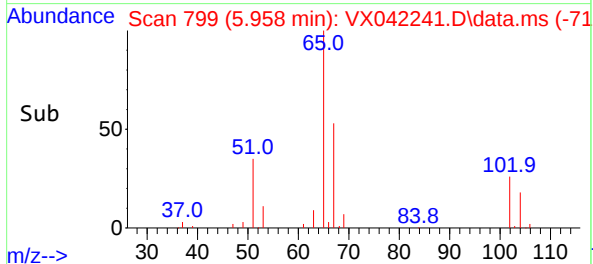
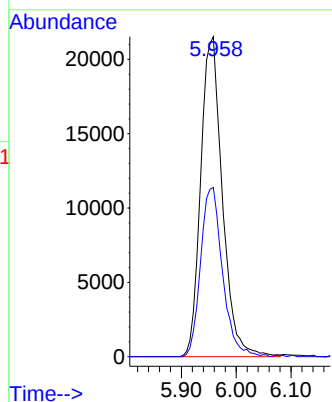
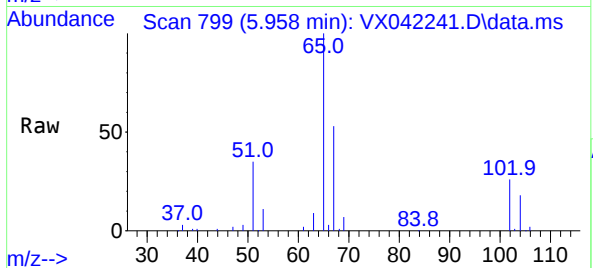




#27
1,2-Dichloroethane-d4
Concen: 31.434 ug/l
RT: 5.958 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX042241.D
Acq: 09 Jul 2024 11:46

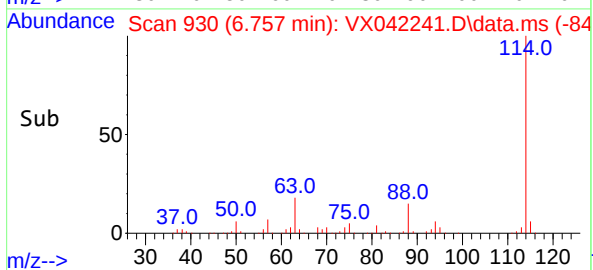
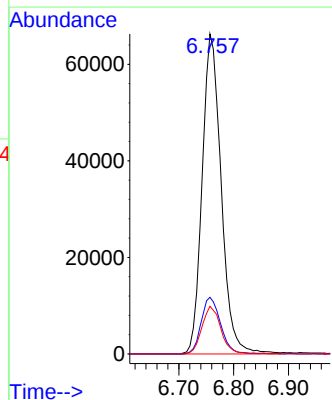
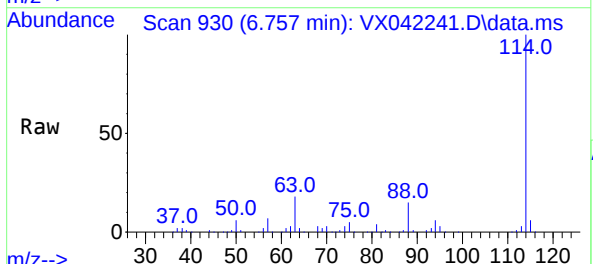
Instrument :
MSVOA_X
ClientSampleId :

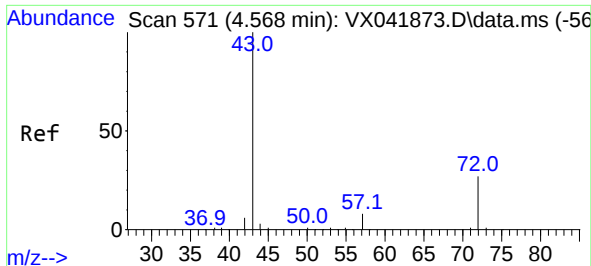
Tgt Ion: 65 Resp: 59055
Ion Ratio Lower Upper
65 100
67 53.3 43.4 65.0



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.006 min
Lab File: VX042241.D
Acq: 09 Jul 2024 11:46

Tgt Ion: 114 Resp: 159890
Ion Ratio Lower Upper
114 100
63 17.9 14.6 21.8
88 14.7 11.8 17.8

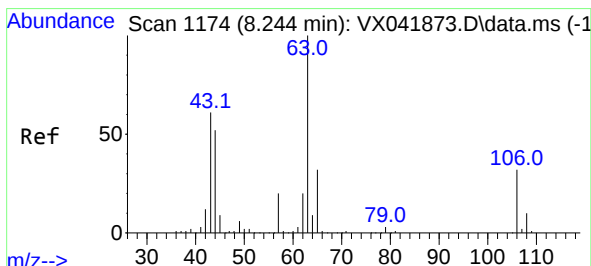
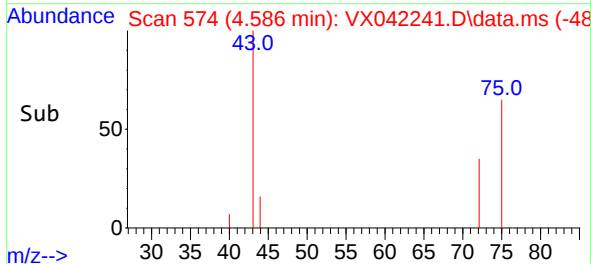
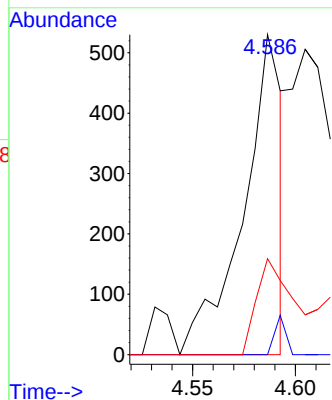
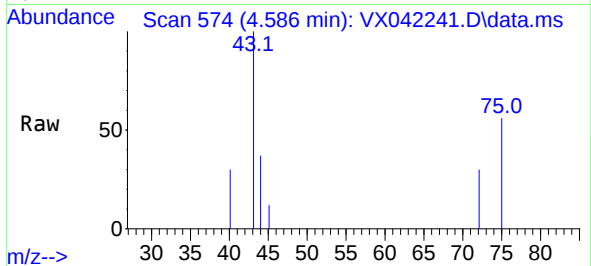




#30
2-Butanone
Concen: 0.498 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX042241.D
Acq: 09 Jul 2024 11:46

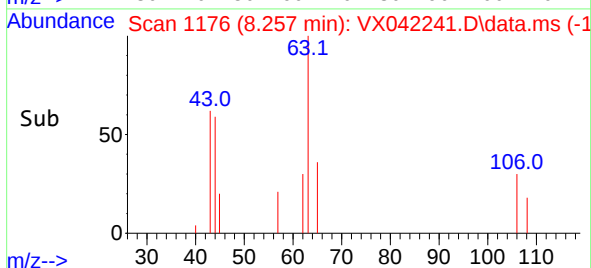
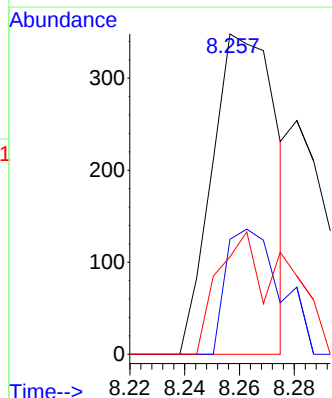
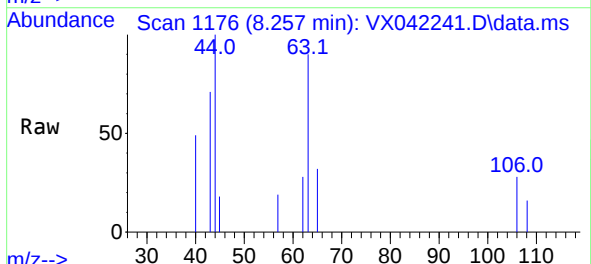
Instrument :
MSVOA_X
ClientSampleId :

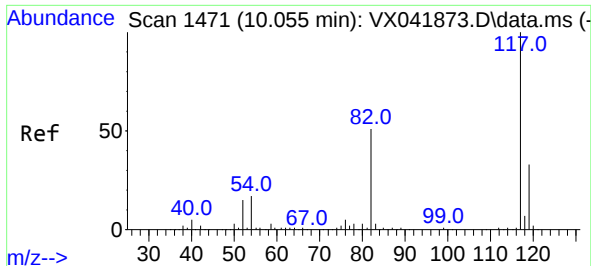
Tgt Ion: 43 Resp: 694
Ion Ratio Lower Upper
43 100
57 0.0 6.5 9.7#
72 27.8 22.0 33.0



#55
2-Chloroethyl vinyl ether
Concen: 0.427 ug/l
RT: 8.257 min Scan# 1176
Delta R.T. 0.012 min
Lab File: VX042241.D
Acq: 09 Jul 2024 11:46

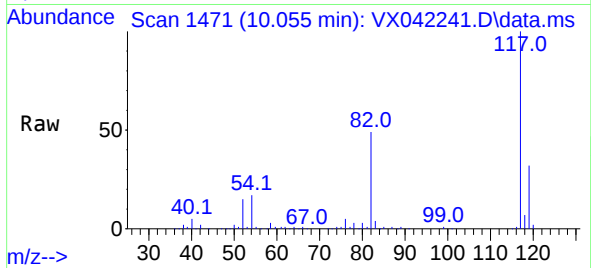
Tgt Ion: 63 Resp: 563
Ion Ratio Lower Upper
63 100
65 33.4 25.7 38.5
106 24.7 25.3 37.9#



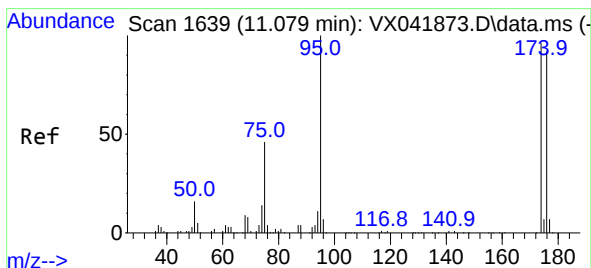
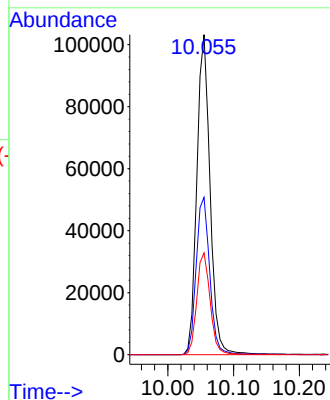
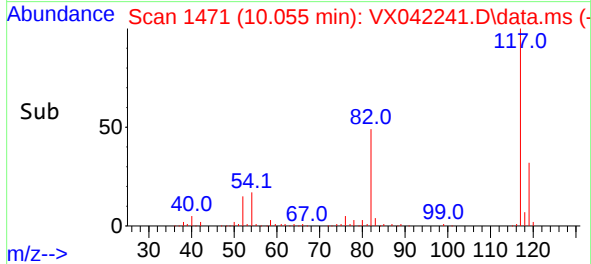


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX042241.D
Acq: 09 Jul 2024 11:46

Instrument :
MSVOA_X
ClientSampleId :

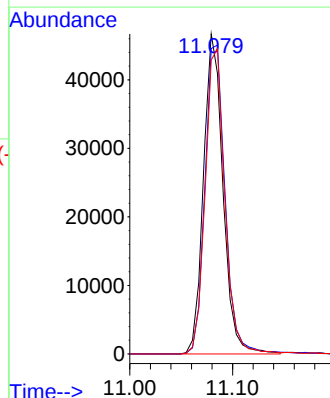
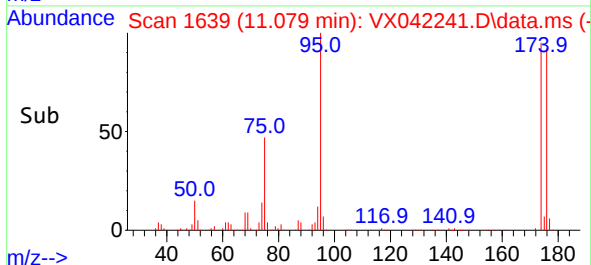
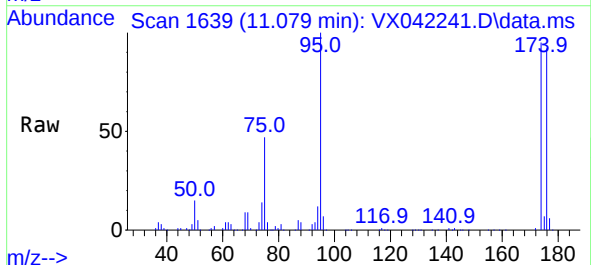


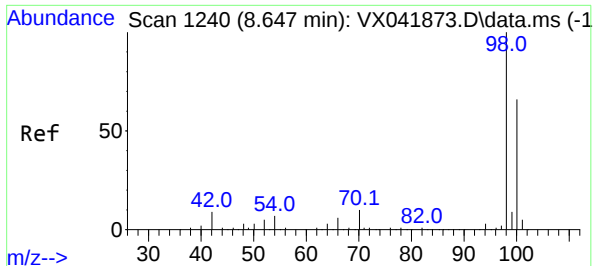
Tgt Ion:117 Resp: 143398
Ion Ratio Lower Upper
117 100
82 50.5 41.1 61.7
119 32.1 26.1 39.1



#60
4-Bromofluorobenzene
Concen: 27.727 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX042241.D
Acq: 09 Jul 2024 11:46

Tgt Ion: 95 Resp: 61546
Ion Ratio Lower Upper
95 100
174 98.4 78.9 118.3
176 96.3 77.1 115.7

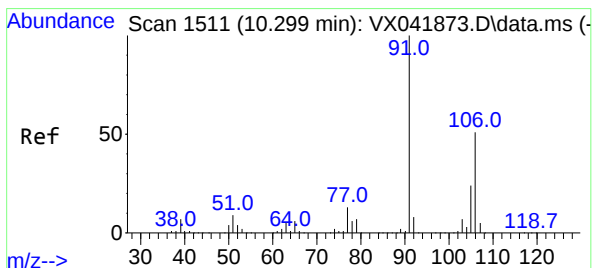
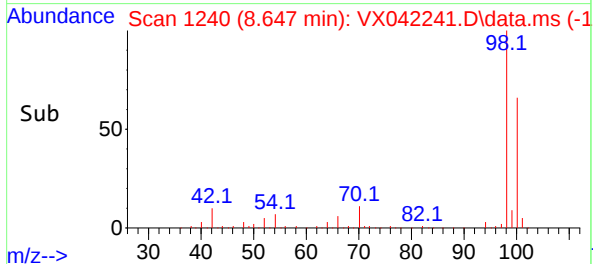
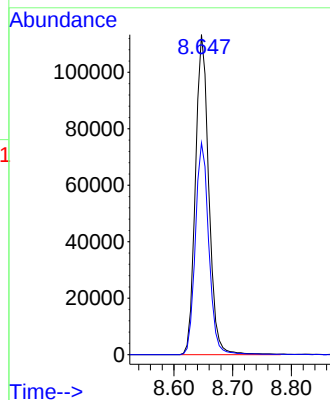
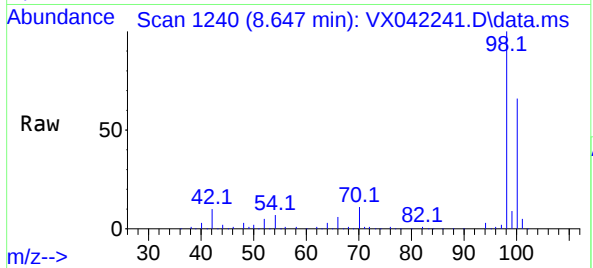




#63
Toluene-d8
Concen: 29.230 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX042241.D
Acq: 09 Jul 2024 11:46

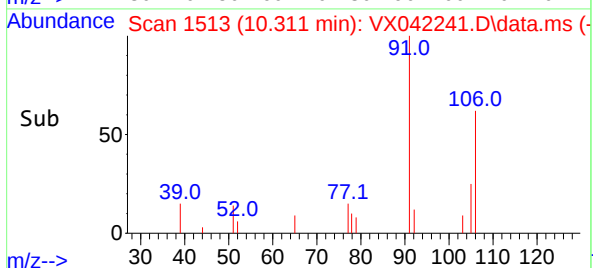
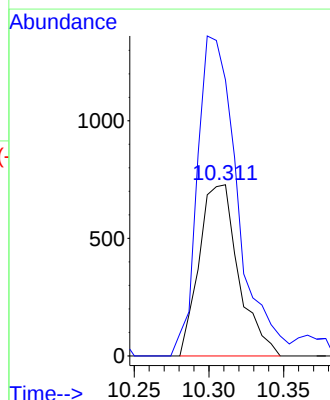
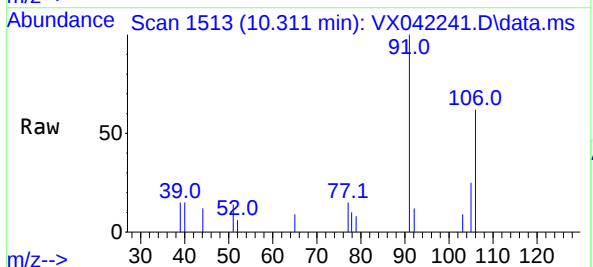
Instrument :
MSVOA_X
ClientSampleId :

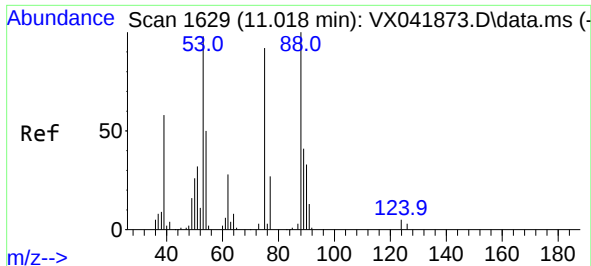
Tgt Ion: 98 Resp: 179327
Ion Ratio Lower Upper
98 100
100 66.6 52.7 79.1



#67
m/p-Xylenes
Concen: 0.417 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.012 min
Lab File: VX042241.D
Acq: 09 Jul 2024 11:46

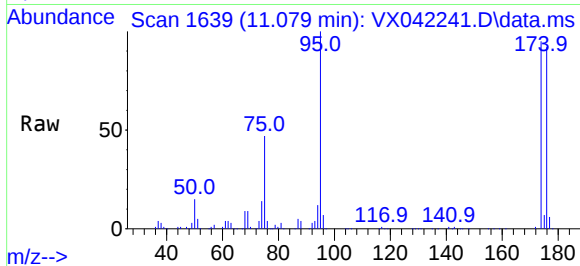
Tgt Ion:106 Resp: 1332
Ion Ratio Lower Upper
106 100
91 190.7 157.0 235.6



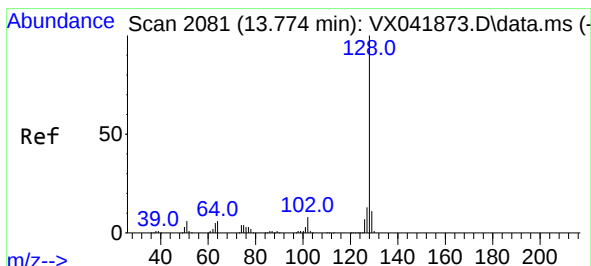
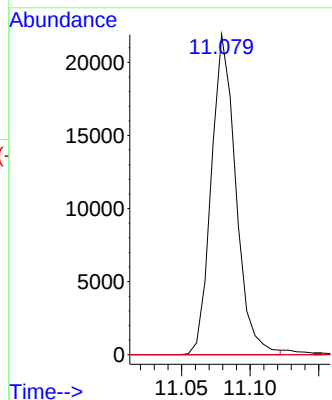
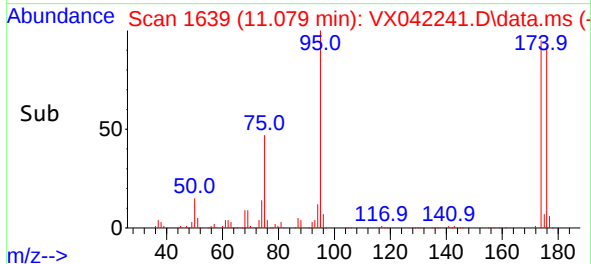


#77
t-1,4-Dichloro-2-butene
Concen: 32.883 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX042241.D
Acq: 09 Jul 2024 11:46

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 27277
Ion Ratio Lower Upper
75 100
53 0.0 53.4 160.2#
89 0.0 22.5 67.5#



#91
Naphthalene
Concen: 0.340 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX042241.D
Acq: 09 Jul 2024 11:46

Tgt Ion: 128 Resp: 2927
Ion Ratio Lower Upper
128 100
127 11.7 10.4 15.6
129 10.0 8.7 13.1

