

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080824\
 Data File : VX042943.D
 Acq On : 08 Aug 2024 10:38
 Operator : JC/MD
 Sample : VX0808WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 08 14:51:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 07 04:53:59 2024
 Response via : Initial Calibration

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

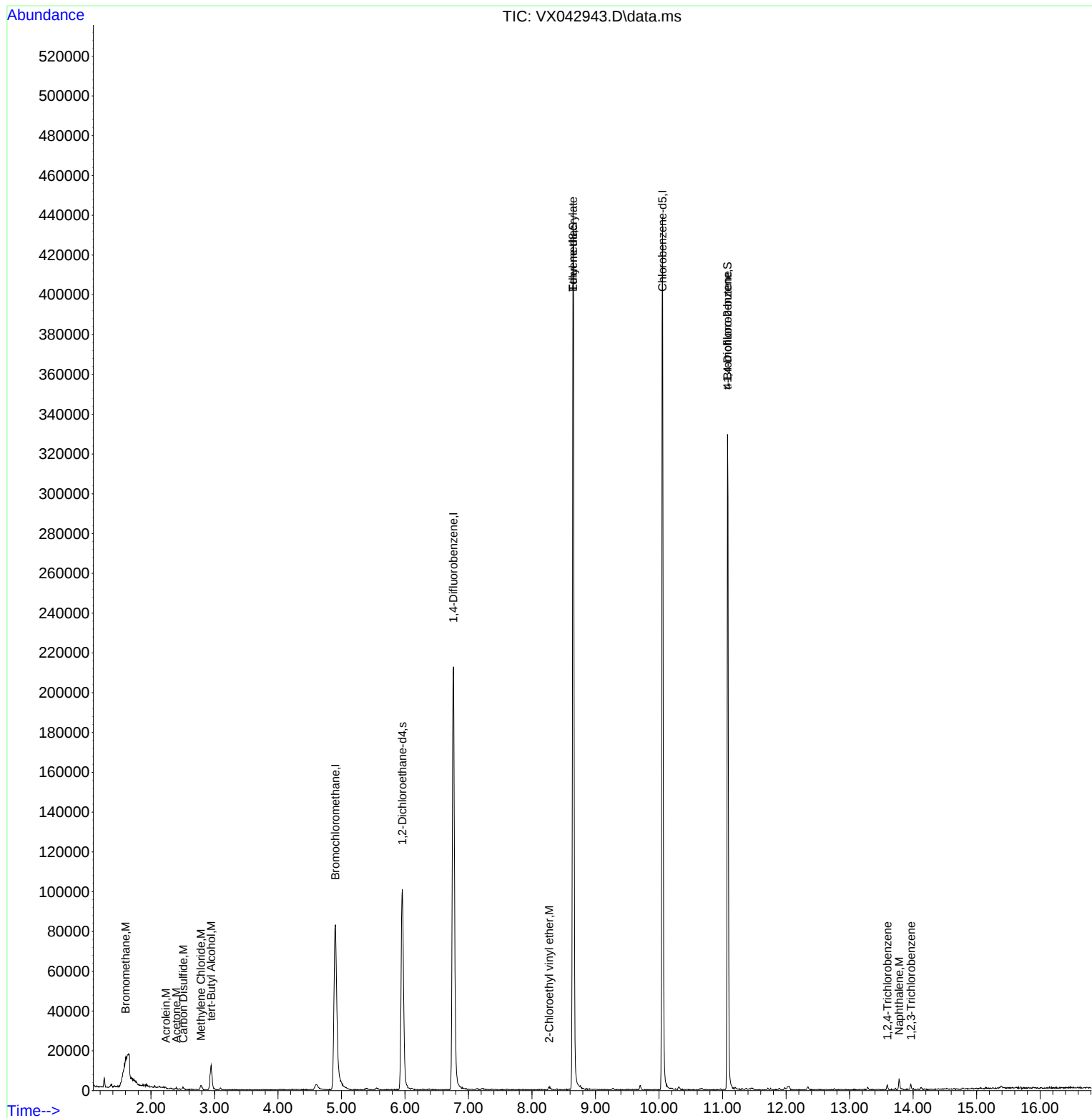
Internal Standards						
1) Bromochloromethane	4.904	128	39904	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	227122	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	201455	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	103105	27.981	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	93.267%
60) 4-Bromofluorobenzene	11.079	95	88428	26.905	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.700%
63) Toluene-d8	8.647	98	273314	30.035	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.133%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	737	0.526	ug/l #	79
13) Acrolein	2.233	56	69	0.457	ug/l #	1
15) Acetone	2.398	58	177	0.344	ug/l #	39
16) Carbon Disulfide	2.508	76	1427	0.287	ug/l	99
18) Methylene Chloride	2.788	84	1271	0.459	ug/l #	86
23) tert-Butyl Alcohol	2.947	59	7247	9.906	ug/l #	100
51) Ethyl methacrylate	8.647	69	817	0.203	ug/l #	69
55) 2-Chloroethyl vinyl ether	8.269	63	632	0.340	ug/l #	85
77) t-1,4-Dichloro-2-butene	11.079	75	45985	40.809	ug/l #	11
89) 1,2,4-Trichlorobenzene	13.597	180	722	0.221	ug/l	96
91) Naphthalene	13.780	128	3550	0.323	ug/l #	89
92) 1,2,3-Trichlorobenzene	13.969	180	943	0.286	ug/l	85

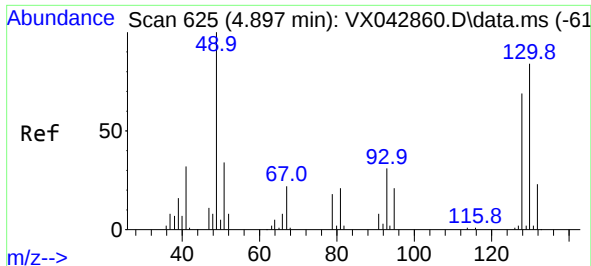
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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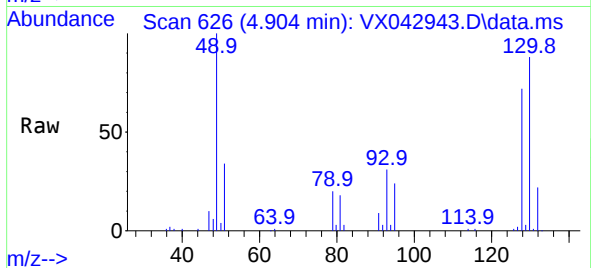
Quant Time: Aug 08 14:51:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 07 04:53:59 2024
Response via : Initial Calibration



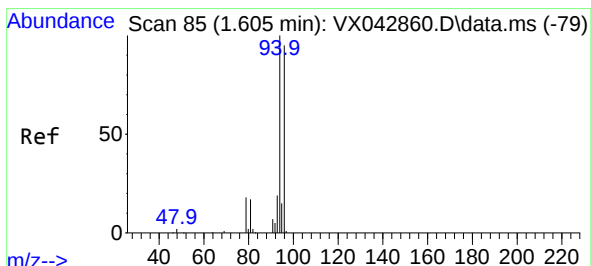
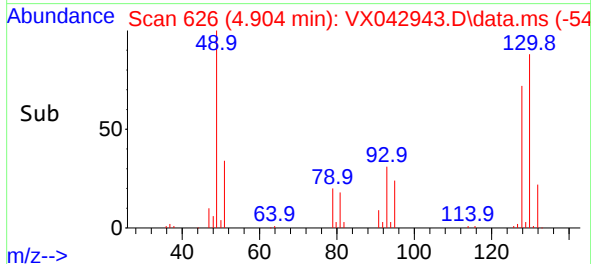
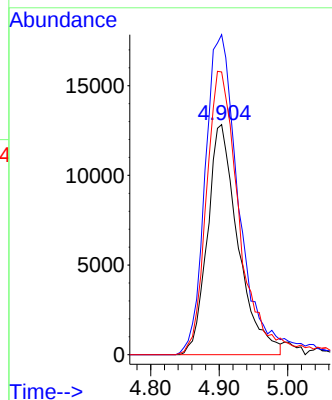


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX042943.D
Acq: 08 Aug 2024 10:38

Instrument :
MSVOA_X
ClientSampleId :

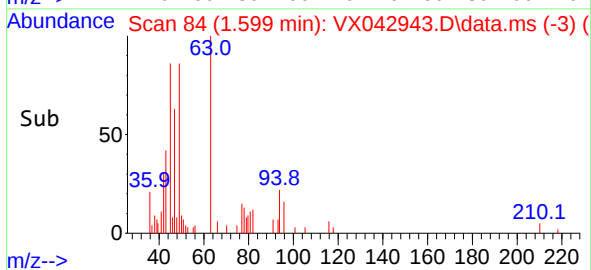
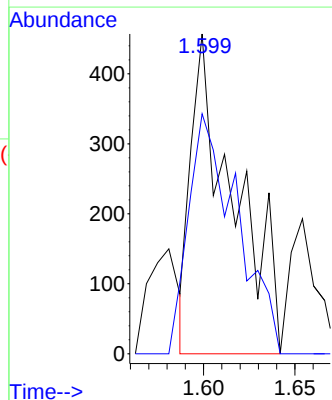
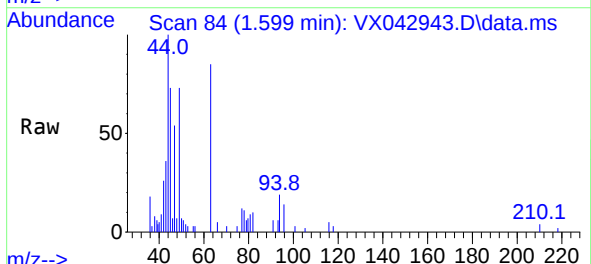


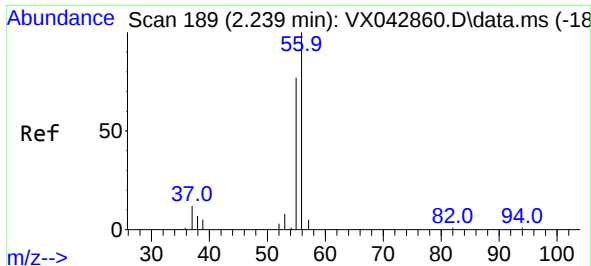
Tgt Ion:128 Resp: 39904
Ion Ratio Lower Upper
128 100
49 153.8 0.0 400.5
130 131.7 0.0 333.0



#5
Bromomethane
Concen: 0.526 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.006 min
Lab File: VX042943.D
Acq: 08 Aug 2024 10:38

Tgt Ion: 94 Resp: 737
Ion Ratio Lower Upper
94 100
96 75.1 76.2 114.4#

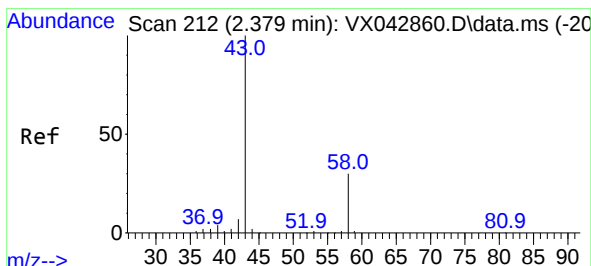
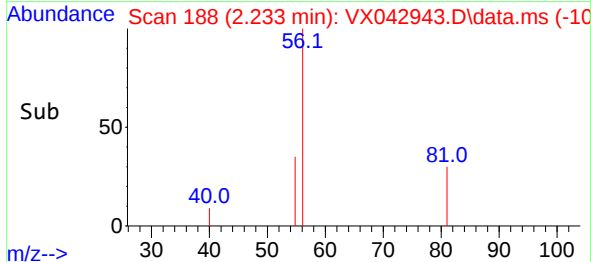
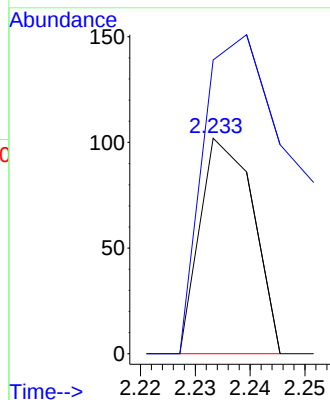
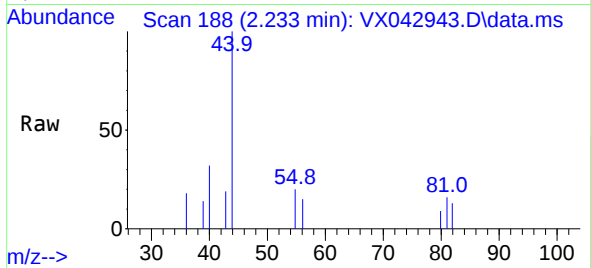




#13
Acrolein
Concen: 0.457 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX042943.D
Acq: 08 Aug 2024 10:38

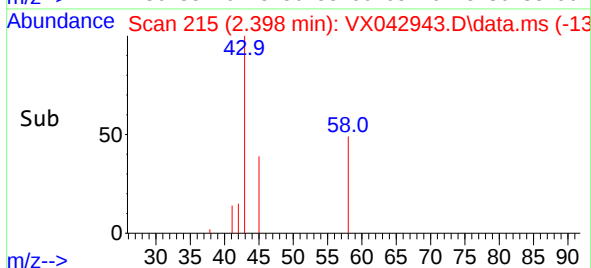
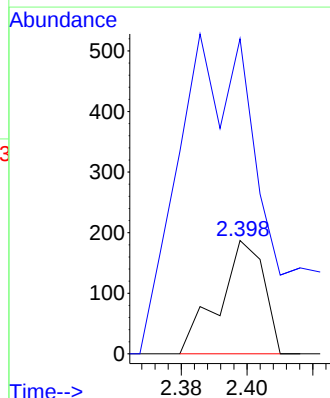
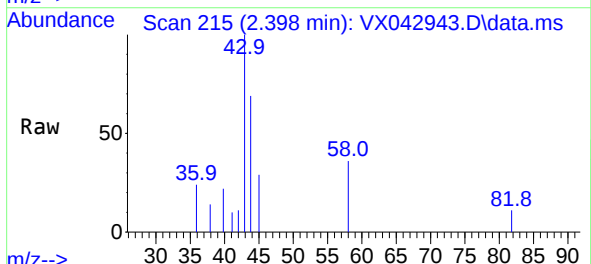
Instrument :
MSVOA_X
ClientSampleId :

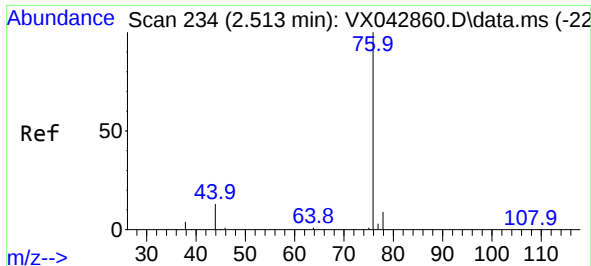
Tgt Ion: 56 Resp: 69
Ion Ratio Lower Upper
56 100
55 249.3 60.6 90.8#



#15
Acetone
Concen: 0.344 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.019 min
Lab File: VX042943.D
Acq: 08 Aug 2024 10:38

Tgt Ion: 58 Resp: 177
Ion Ratio Lower Upper
58 100
43 208.6 269.9 404.9#

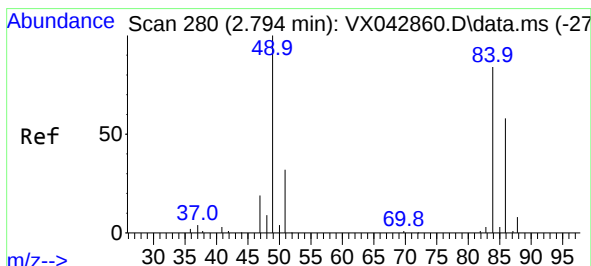
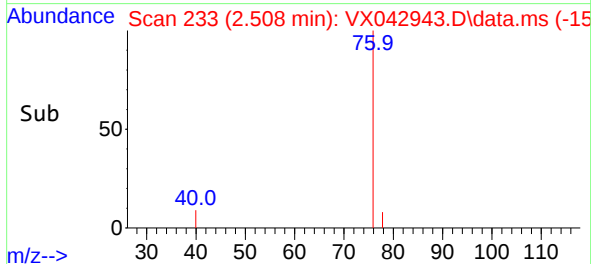
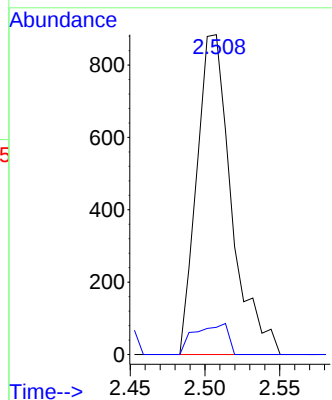
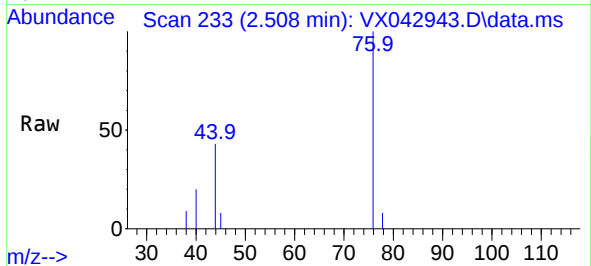




#16
Carbon Disulfide
Concen: 0.287 ug/l
RT: 2.508 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX042943.D
Acq: 08 Aug 2024 10:38

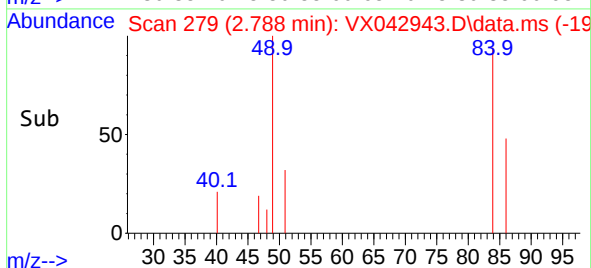
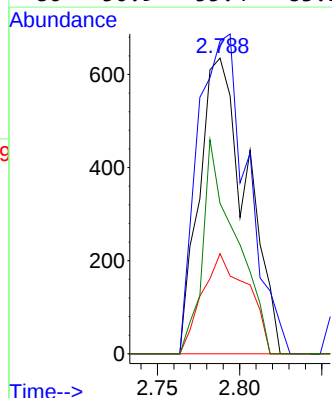
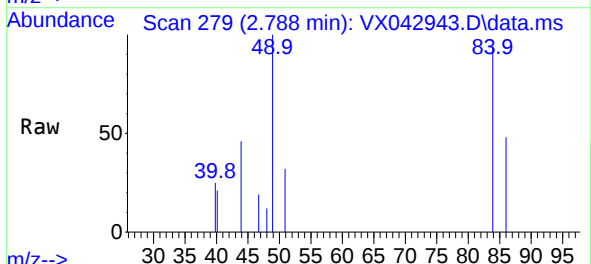
Instrument :
MSVOA_X
ClientSampleId :

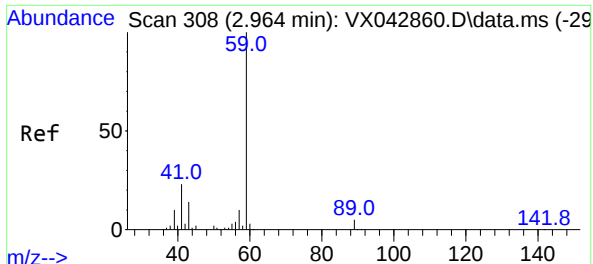
Tgt Ion: 76 Resp: 1427
Ion Ratio Lower Upper
76 100
78 8.5 7.1 10.7



#18
Methylene Chloride
Concen: 0.459 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX042943.D
Acq: 08 Aug 2024 10:38

Tgt Ion: 84 Resp: 1271
Ion Ratio Lower Upper
84 100
49 105.8 95.0 142.6
51 33.9 30.1 45.1
86 50.9 55.4 83.2#

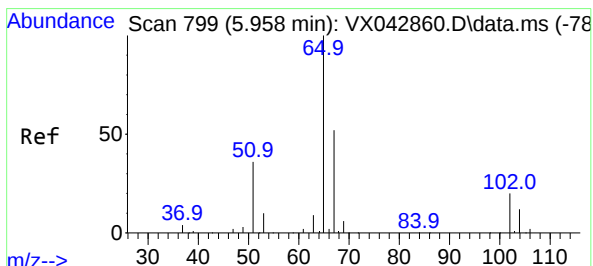
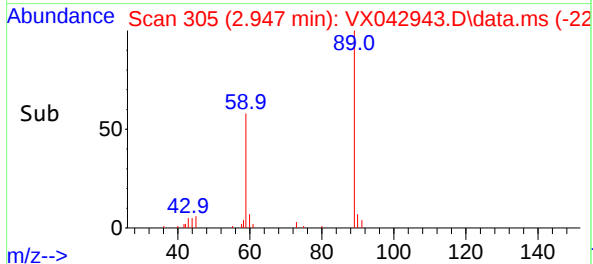
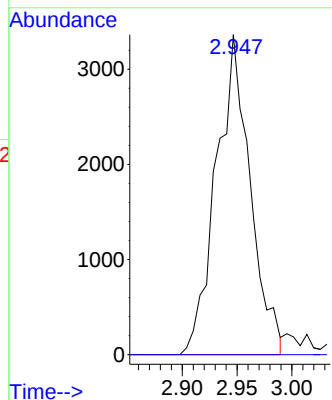
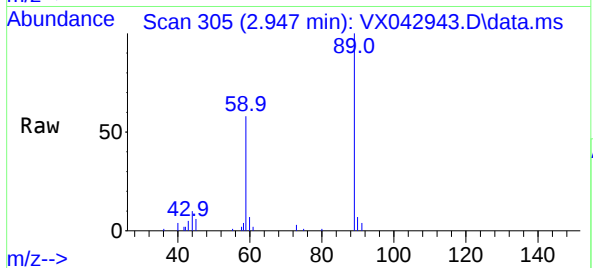




#23
tert-Butyl Alcohol
Concen: 9.906 ug/l
RT: 2.947 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX042943.D
Acq: 08 Aug 2024 10:38

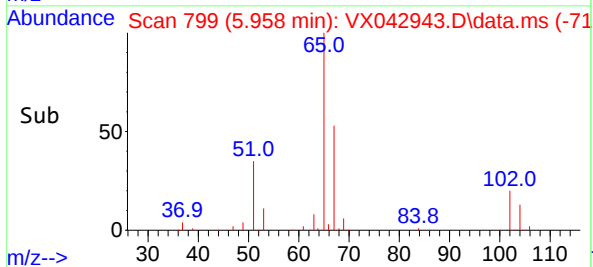
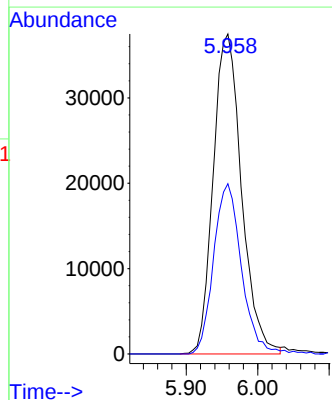
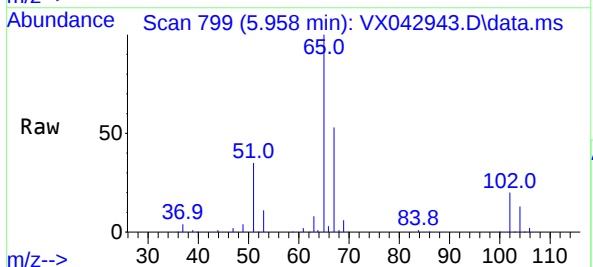
Instrument :
MSVOA_X
ClientSampleId :

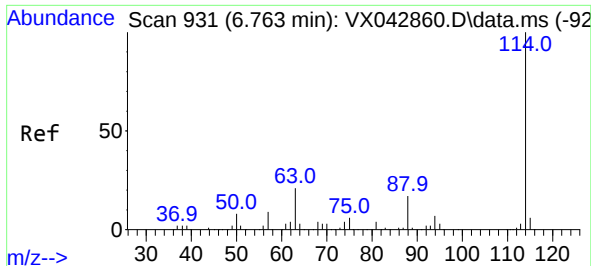
Tgt Ion: 59 Resp: 7247
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



#27
1,2-Dichloroethane-d4
Concen: 27.981 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX042943.D
Acq: 08 Aug 2024 10:38

Tgt Ion: 65 Resp: 103105
Ion Ratio Lower Upper
65 100
67 51.6 40.6 60.8

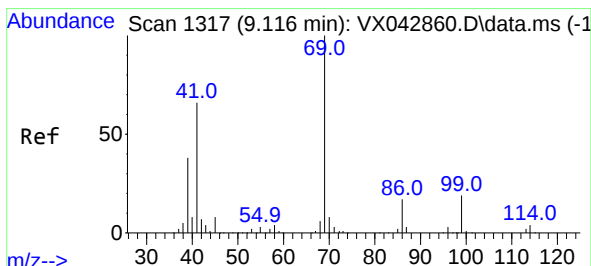
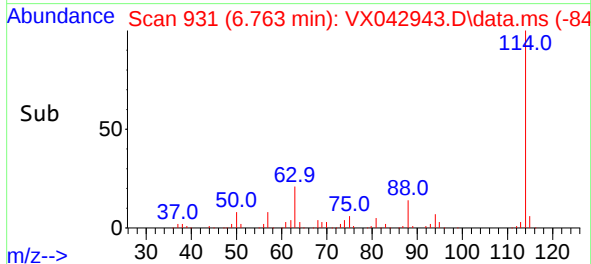
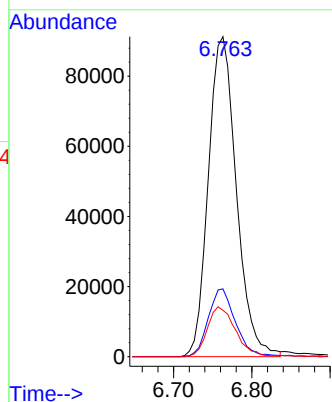
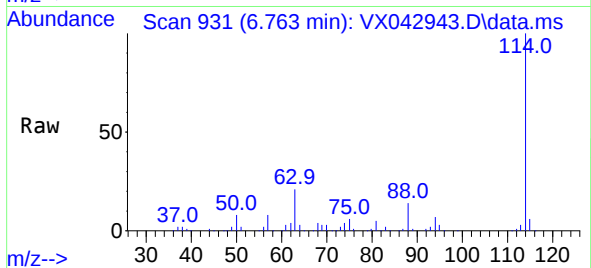




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX042943.D
Acq: 08 Aug 2024 10:38

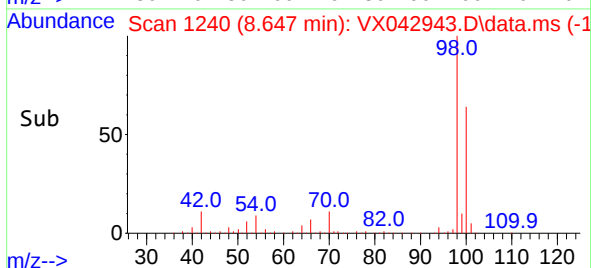
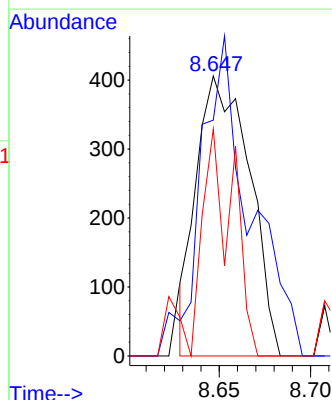
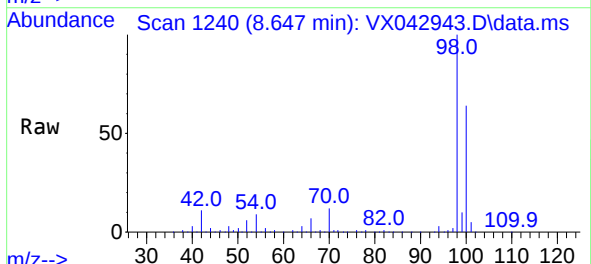
Instrument :
MSVOA_X
ClientSampleId :

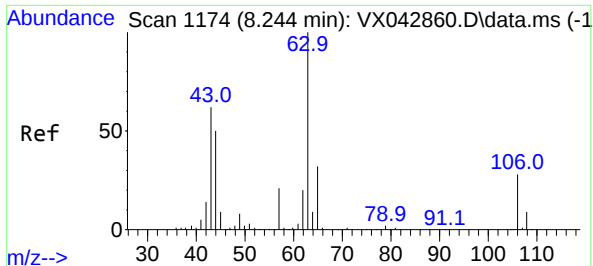
Tgt Ion:114 Resp: 227122
Ion Ratio Lower Upper
114 100
63 20.5 16.0 24.0
88 15.6 12.5 18.7



#51
Ethyl methacrylate
Concen: 0.203 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.469 min
Lab File: VX042943.D
Acq: 08 Aug 2024 10:38

Tgt Ion: 69 Resp: 817
Ion Ratio Lower Upper
69 100
41 71.7 33.1 99.2
39 81.0 18.8 56.3#

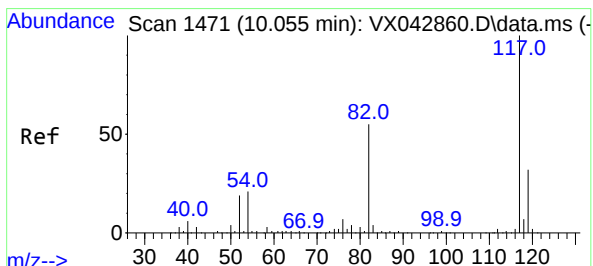
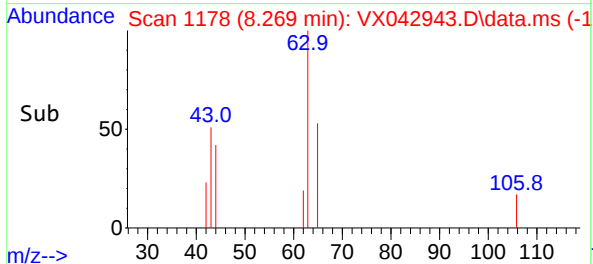
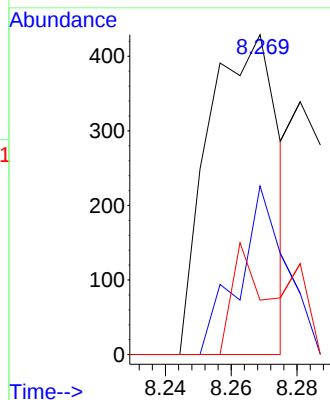
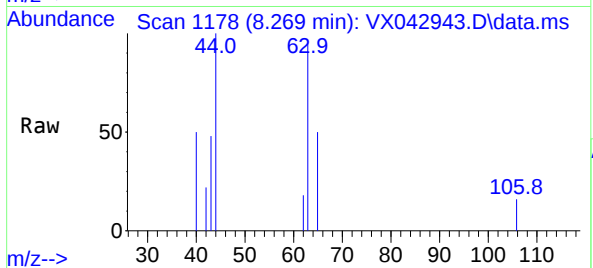




#55
2-Chloroethyl vinyl ether
Concen: 0.340 ug/l
RT: 8.269 min Scan# 1178
Delta R.T. 0.025 min
Lab File: VX042943.D
Acq: 08 Aug 2024 10:38

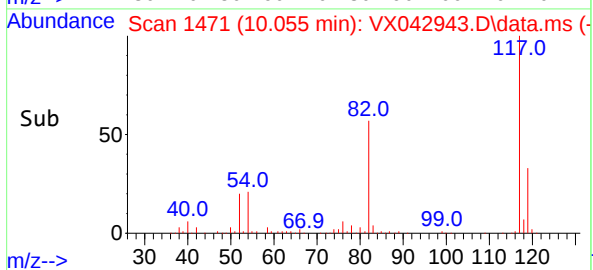
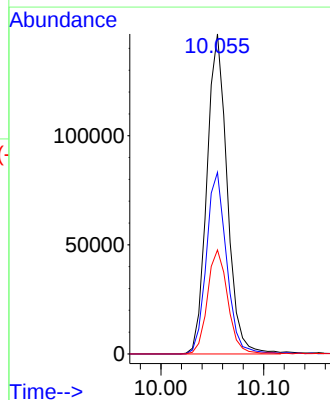
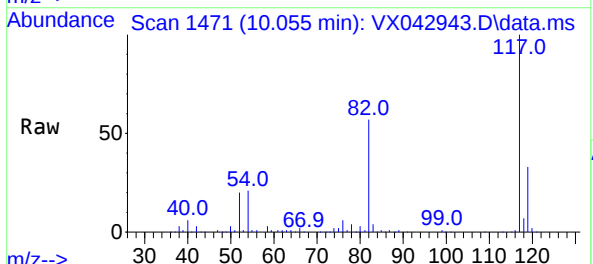
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ClientSampleId :

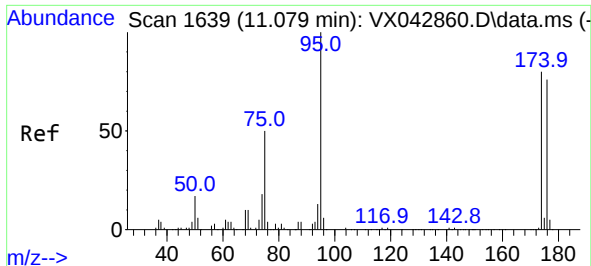
Tgt Ion: 63	Resp:	632
Ion	Ratio	Lower Upper
63	100	
65	35.4	26.3 39.5
106	13.0	21.8 32.6



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042943.D
Acq: 08 Aug 2024 10:38

Tgt Ion: 117	Resp:	201455
Ion	Ratio	Lower Upper
117	100	
82	56.5	44.9 67.3
119	32.4	25.4 38.2

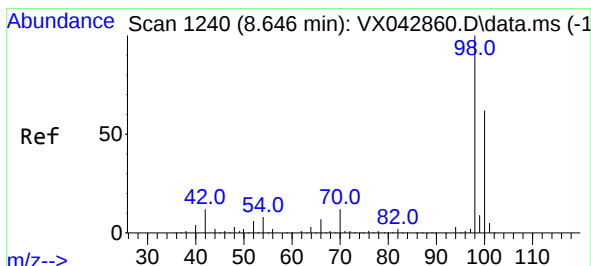
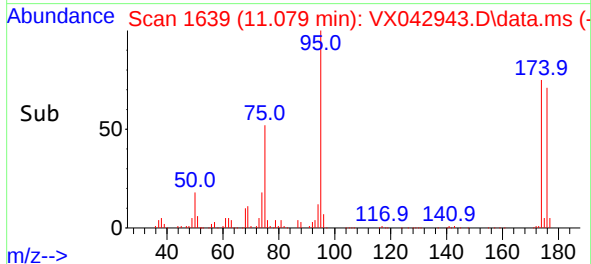
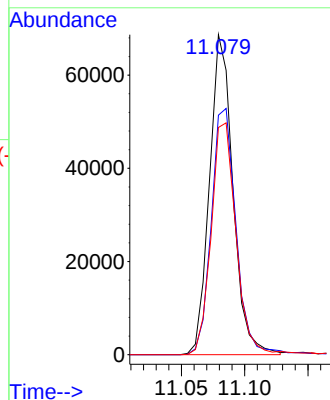
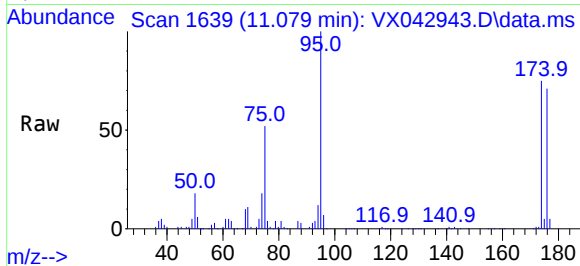




#60
4-Bromofluorobenzene
Concen: 26.905 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042943.D
Acq: 08 Aug 2024 10:38

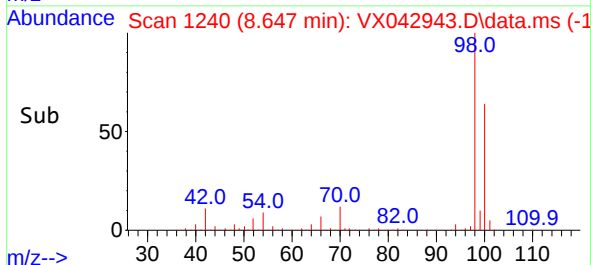
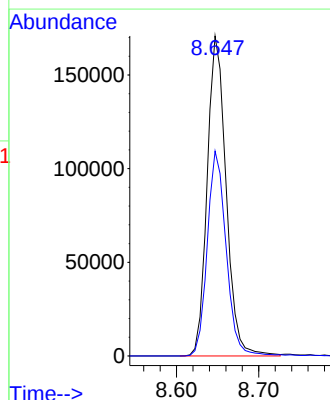
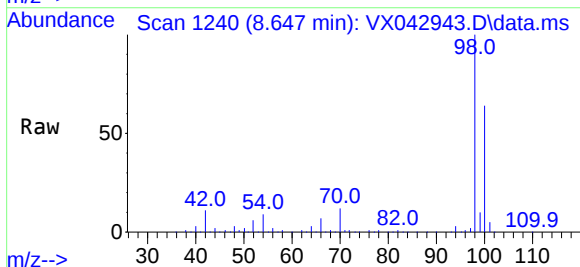
Instrument :
MSVOA_X
ClientSampleId :

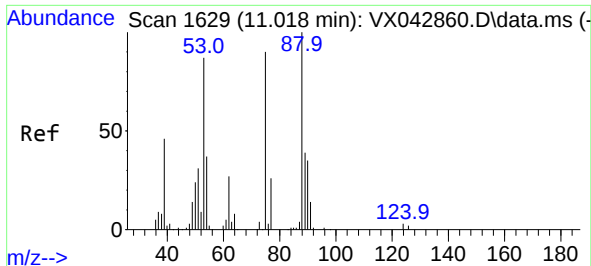
Tgt Ion: 95 Resp: 88428
Ion Ratio Lower Upper
95 100
174 81.0 65.0 97.6
176 76.1 63.4 95.0



#63
Toluene-d8
Concen: 30.035 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042943.D
Acq: 08 Aug 2024 10:38

Tgt Ion: 98 Resp: 273314
Ion Ratio Lower Upper
98 100
100 63.7 50.9 76.3

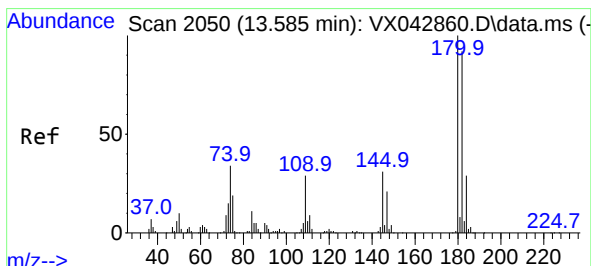
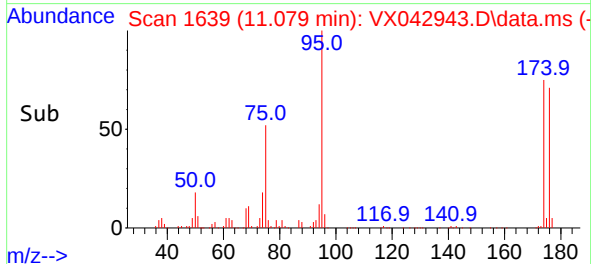
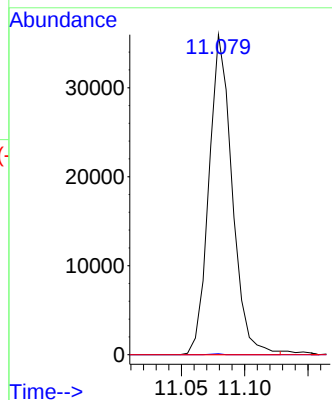
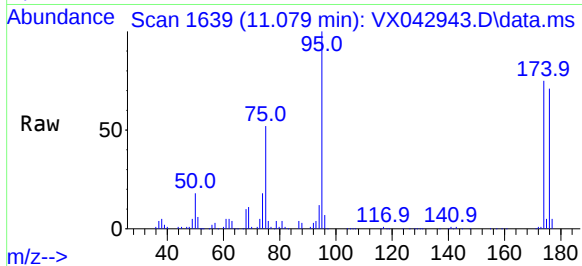




#77
t-1,4-Dichloro-2-butene
Concen: 40.809 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX042943.D
Acq: 08 Aug 2024 10:38

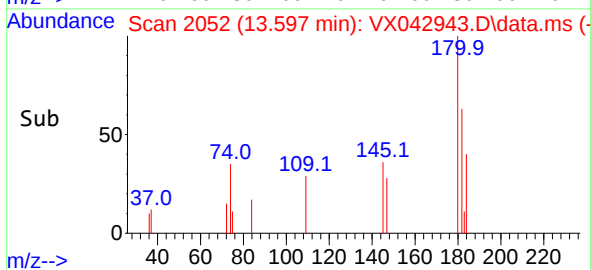
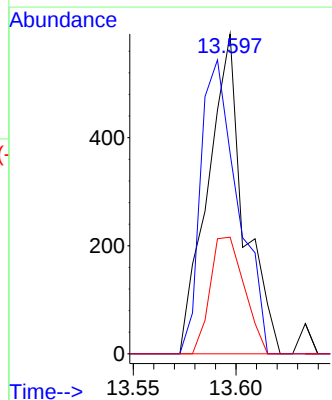
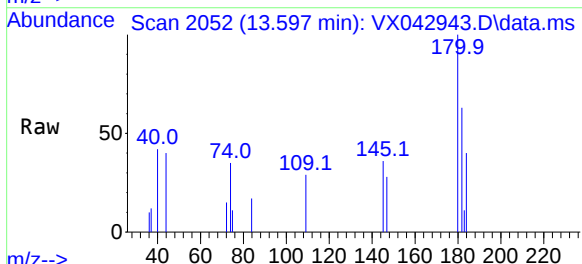
Instrument :
MSVOA_X
ClientSampleId :

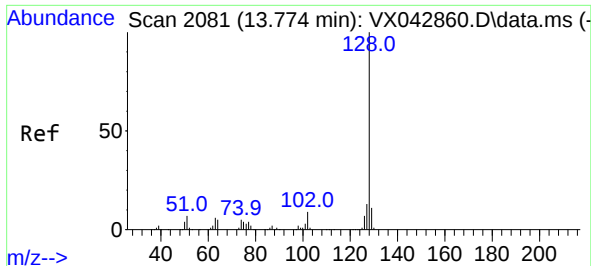
Tgt Ion: 75 Resp: 45985
Ion Ratio Lower Upper
75 100
53 0.3 48.5 145.5#
89 0.0 21.9 65.5#



#89
1,2,4-Trichlorobenzene
Concen: 0.221 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.013 min
Lab File: VX042943.D
Acq: 08 Aug 2024 10:38

Tgt Ion:180 Resp: 722
Ion Ratio Lower Upper
180 100
182 94.7 73.1 109.7
145 34.5 24.6 37.0

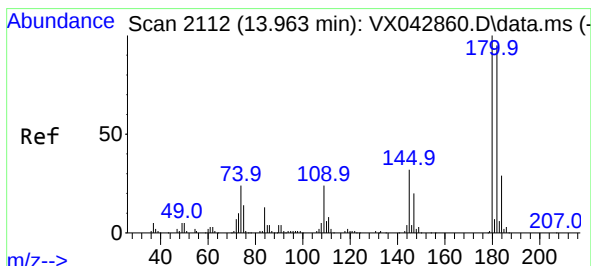
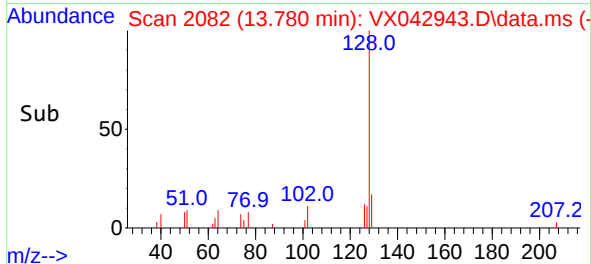
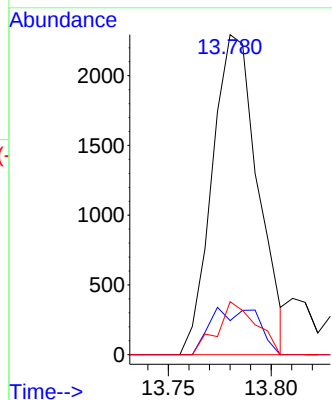
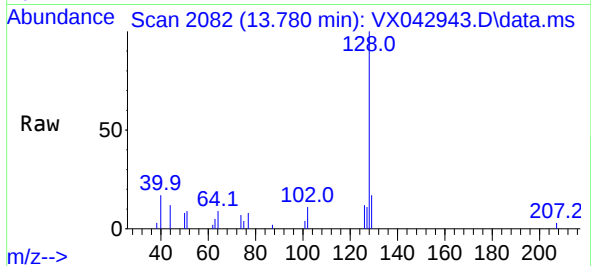




#91
Naphthalene
Concen: 0.323 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX042943.D
Acq: 08 Aug 2024 10:38

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 3550
Ion Ratio Lower Upper
128 100
127 7.7 10.2 15.4#
129 14.0 8.8 13.2#



#92
1,2,3-Trichlorobenzene
Concen: 0.286 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.006 min
Lab File: VX042943.D
Acq: 08 Aug 2024 10:38

Tgt Ion:180 Resp: 943
Ion Ratio Lower Upper
180 100
182 78.3 0.0 185.8
145 24.2 0.0 65.2

