

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071924\
 Data File : VX042399.D
 Acq On : 19 Jul 2024 13:10
 Operator : JC/MD
 Sample : VX0719WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 19 16:09:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071924W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 11:30:14 2024
 Response via : Initial Calibration

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

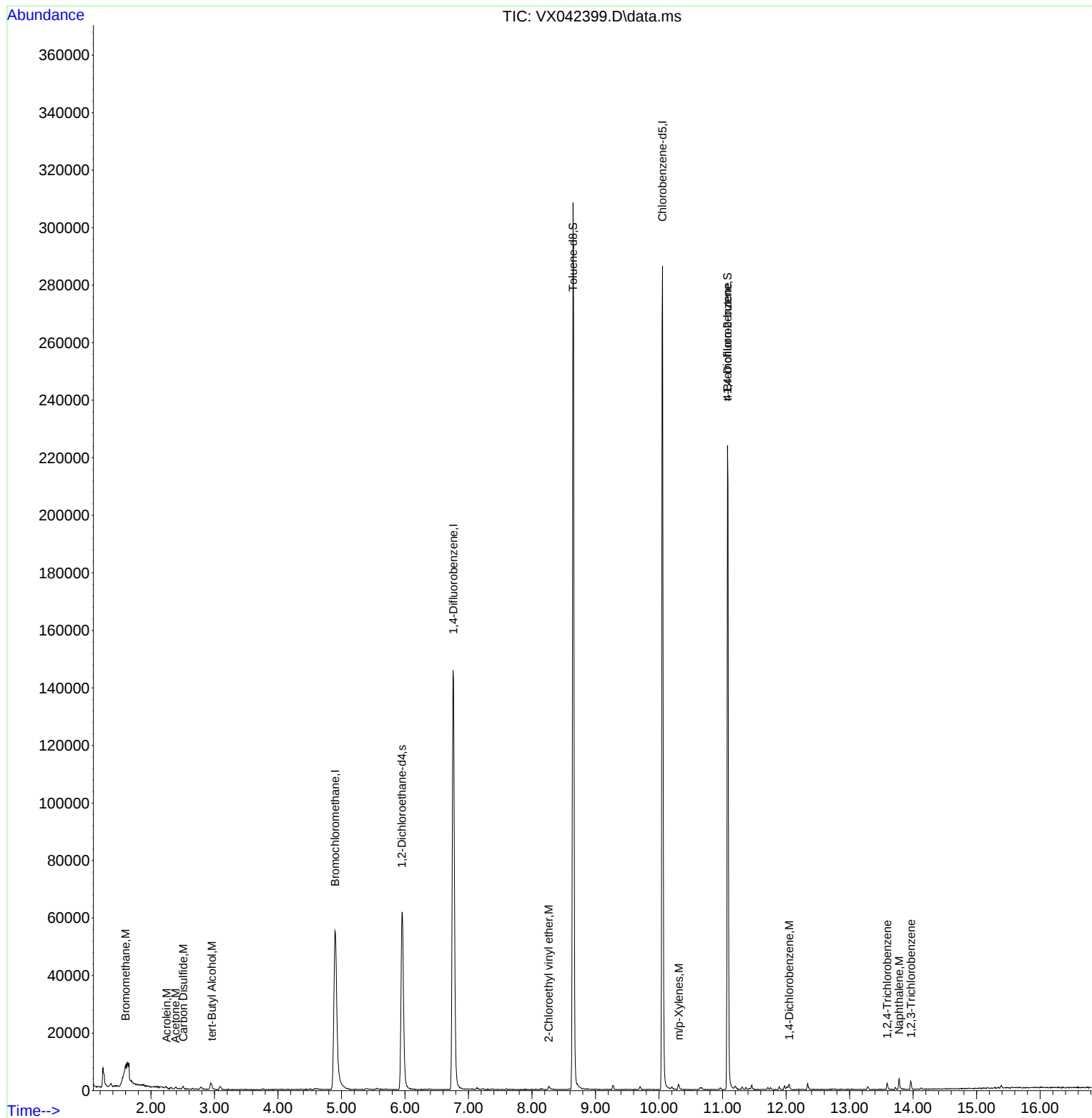
Internal Standards						
1) Bromochloromethane	4.897	128	29749	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	161943	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	144661	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	61032	28.641	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.467%
60) 4-Bromofluorobenzene	11.079	95	61576	27.358	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.200%
63) Toluene-d8	8.647	98	189288	30.122	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.400%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	616	0.662	ug/l	94
13) Acrolein	2.245	56	268	0.748	ug/l #	76
15) Acetone	2.386	58	222	0.697	ug/l #	22
16) Carbon Disulfide	2.508	76	1343	0.392	ug/l #	93
23) tert-Butyl Alcohol	2.959	59	639	1.566	ug/l #	100
55) 2-Chloroethyl vinyl ether	8.263	63	769	0.562	ug/l #	69
67) m/p-Xylenes	10.311	106	661	0.210	ug/l	77
77) t-1,4-Dichloro-2-butene	11.079	75	28571	35.658	ug/l #	7
84) 1,4-Dichlorobenzene	12.049	146	869	0.213	ug/l	97
89) 1,2,4-Trichlorobenzene	13.591	180	937	0.334	ug/l	93
91) Naphthalene	13.780	128	3408	0.407	ug/l #	96
92) 1,2,3-Trichlorobenzene	13.969	180	1104	0.382	ug/l	96

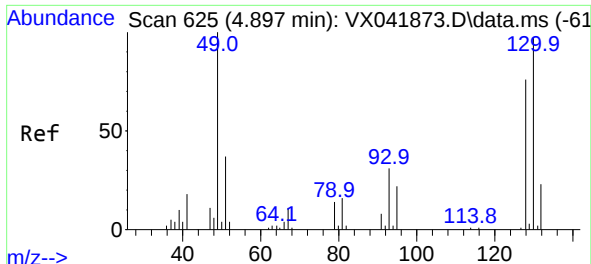
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071924\
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Instrument :
MSVOA_X
ClientSampleId :

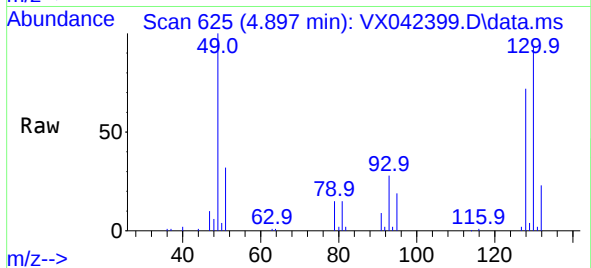
Quant Time: Jul 19 16:09:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071924W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 19 11:30:14 2024
Response via : Initial Calibration



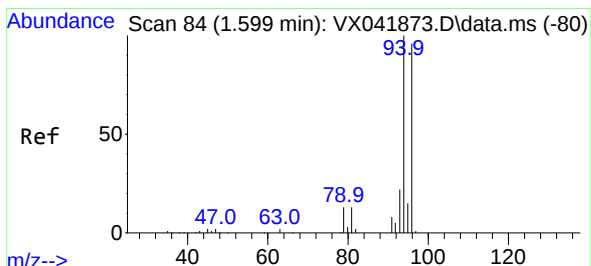
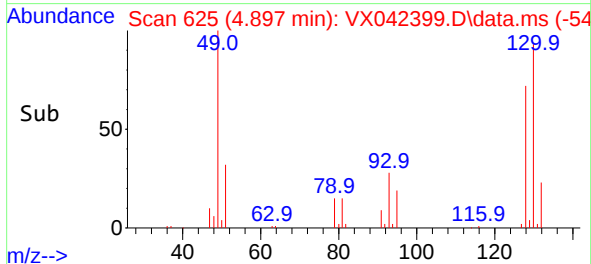
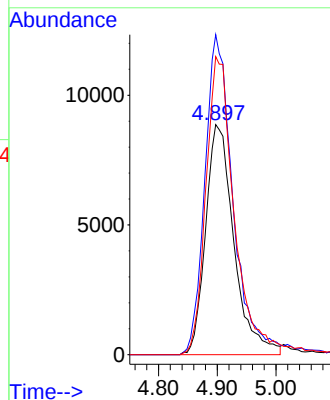


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX042399.D
Acq: 19 Jul 2024 13:10

Instrument :
MSVOA_X
ClientSampleId :

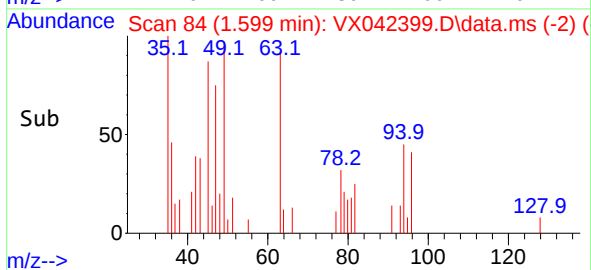
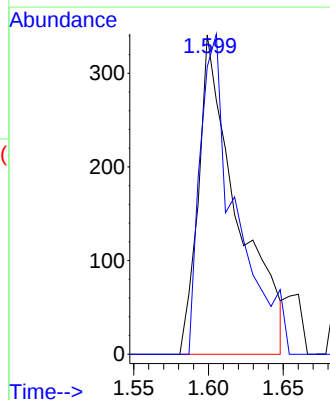
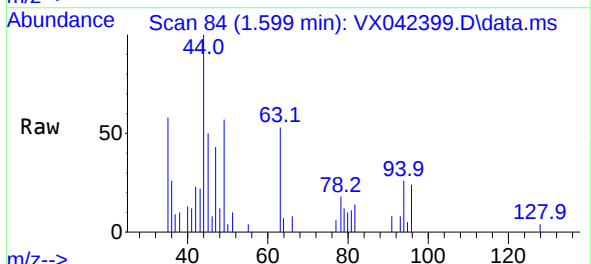


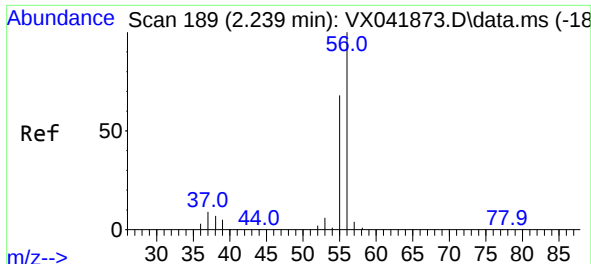
Tgt Ion:128 Resp: 29749
Ion Ratio Lower Upper
128 100
49 138.0 0.0 338.5
130 127.1 0.0 324.5



#5
Bromomethane
Concen: 0.662 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX042399.D
Acq: 19 Jul 2024 13:10

Tgt Ion: 94 Resp: 616
Ion Ratio Lower Upper
94 100
96 90.0 76.6 115.0

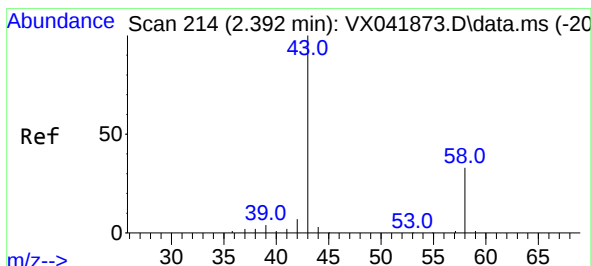
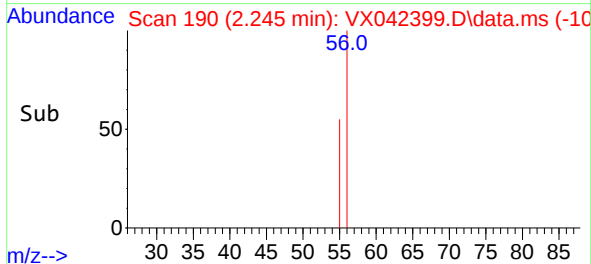
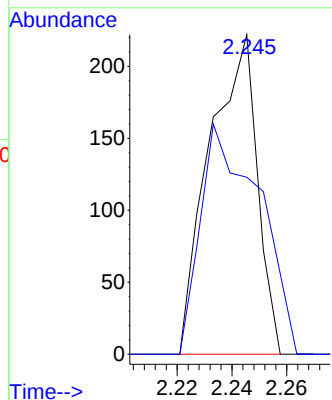
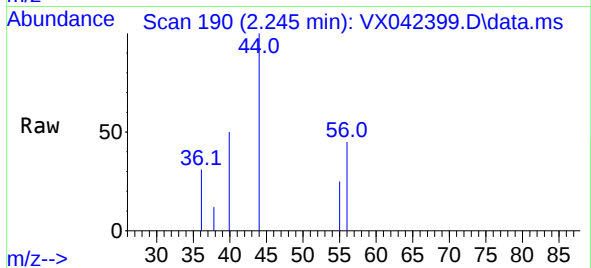




#13
Acrolein
Concen: 0.748 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX042399.D
Acq: 19 Jul 2024 13:10

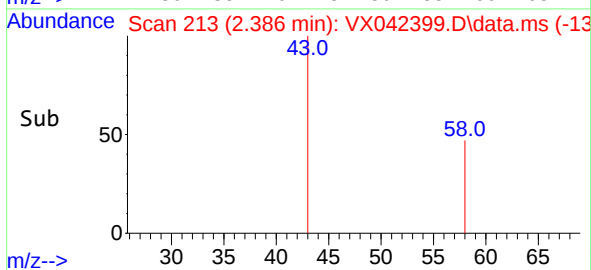
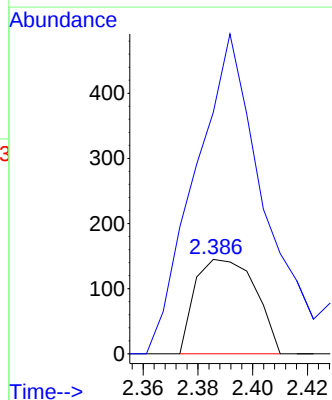
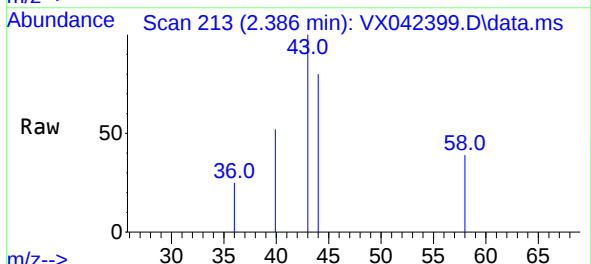
Instrument :
MSVOA_X
ClientSampleId :

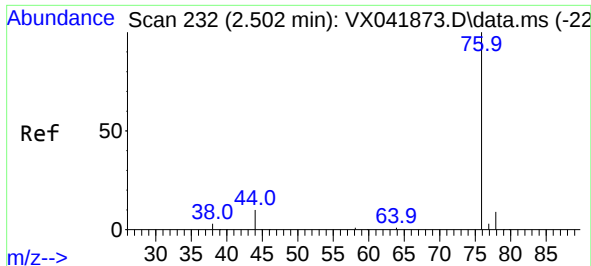
Tgt Ion: 56 Resp: 268
Ion Ratio Lower Upper
56 100
55 89.2 55.4 83.0#



#15
Acetone
Concen: 0.697 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX042399.D
Acq: 19 Jul 2024 13:10

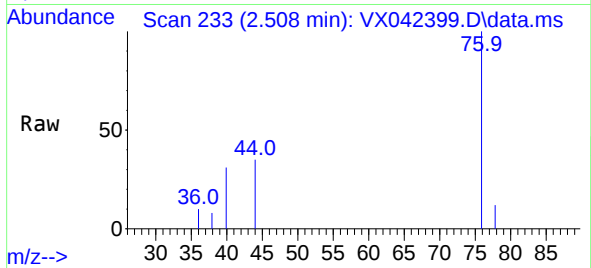
Tgt Ion: 58 Resp: 222
Ion Ratio Lower Upper
58 100
43 149.7 243.4 365.2#



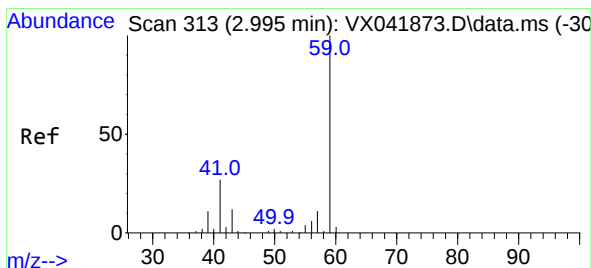
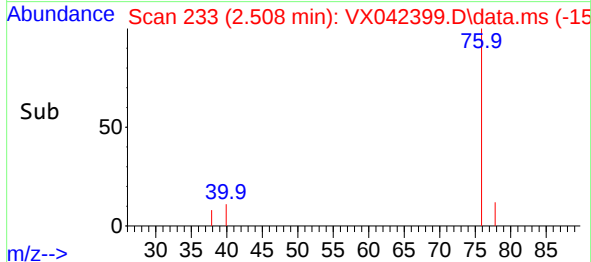
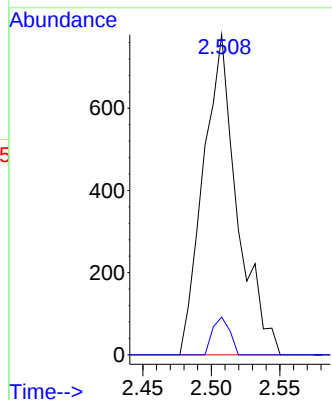


#16
Carbon Disulfide
Concen: 0.392 ug/l
RT: 2.508 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX042399.D
Acq: 19 Jul 2024 13:10

Instrument :
MSVOA_X
ClientSampleId :

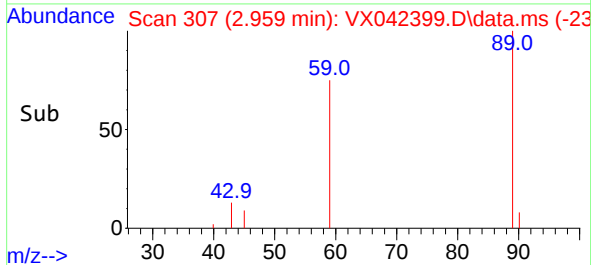
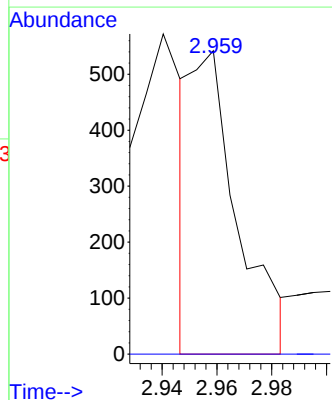
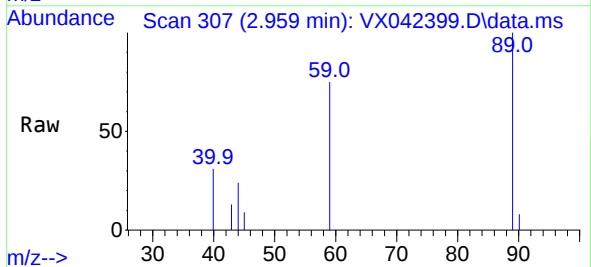


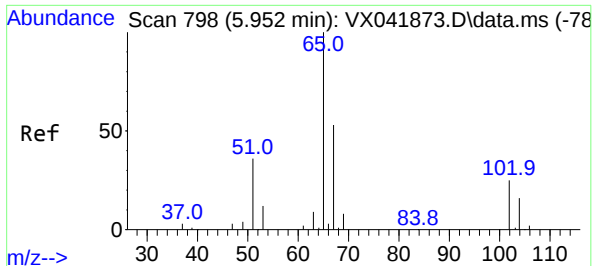
Tgt Ion: 76 Resp: 1343
Ion Ratio Lower Upper
76 100
78 11.8 7.3 10.9#



#23
tert-Butyl Alcohol
Concen: 1.566 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.037 min
Lab File: VX042399.D
Acq: 19 Jul 2024 13:10

Tgt Ion: 59 Resp: 639
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

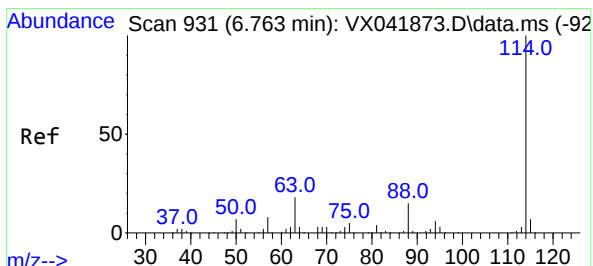
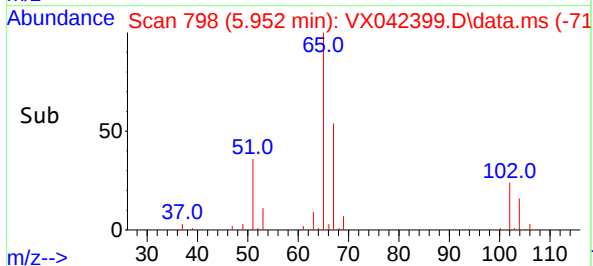
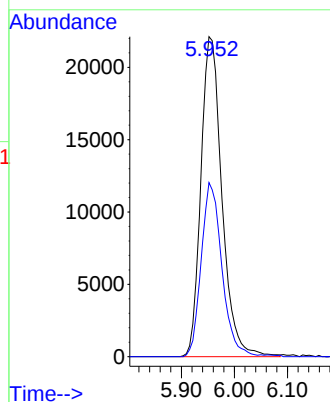
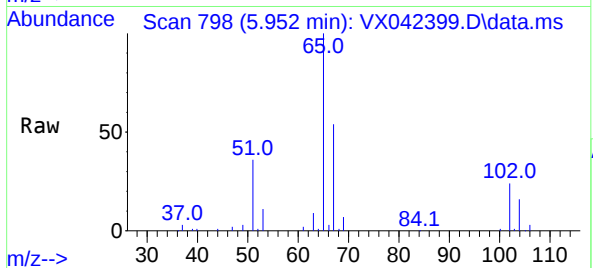




#27
1,2-Dichloroethane-d4
Concen: 28.641 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX042399.D
Acq: 19 Jul 2024 13:10

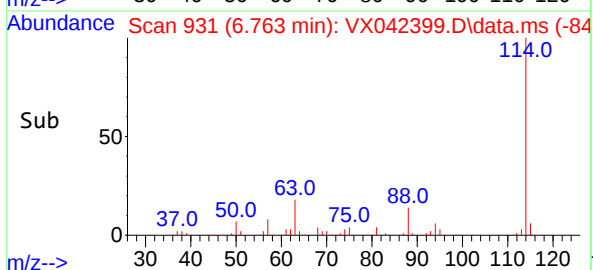
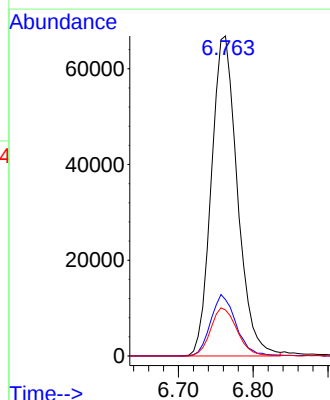
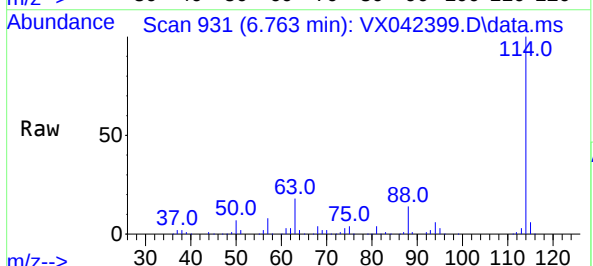
Instrument : MSVOA_X
ClientSampleId :

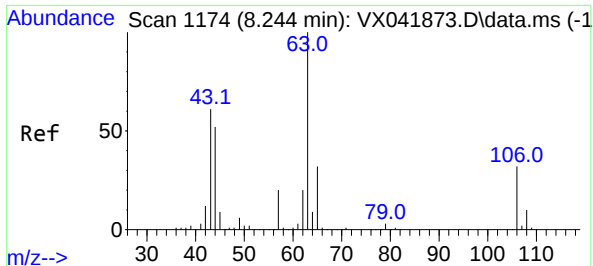
Tgt Ion: 65 Resp: 61032
Ion Ratio Lower Upper
65 100
67 53.3 43.4 65.0



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX042399.D
Acq: 19 Jul 2024 13:10

Tgt Ion: 114 Resp: 161943
Ion Ratio Lower Upper
114 100
63 18.8 14.6 21.8
88 15.1 11.8 17.8

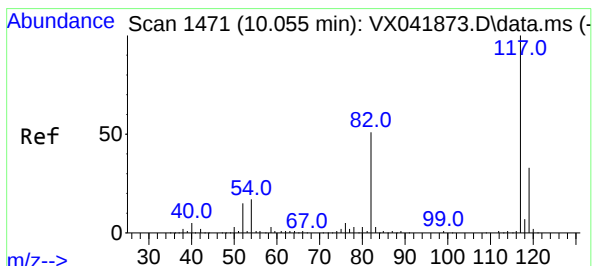
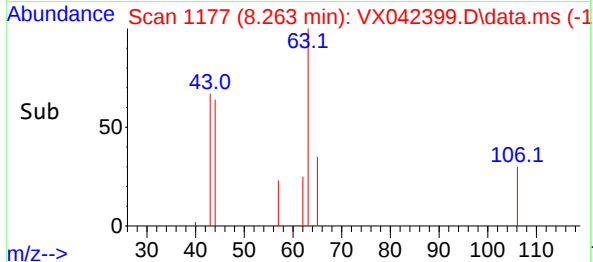
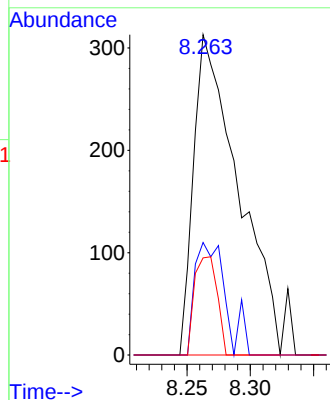
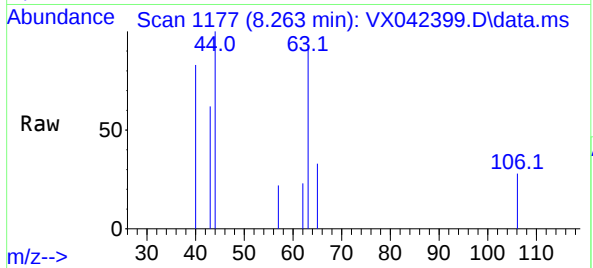




#55
2-Chloroethyl vinyl ether
Concen: 0.562 ug/l
RT: 8.263 min Scan# 1177
Delta R.T. 0.018 min
Lab File: VX042399.D
Acq: 19 Jul 2024 13:10

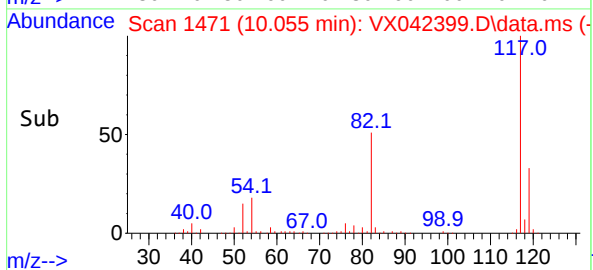
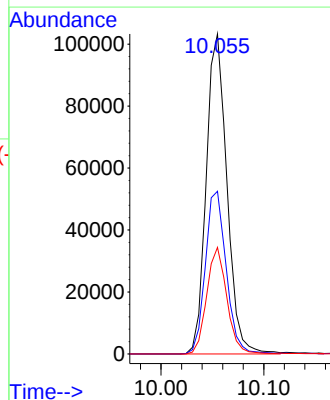
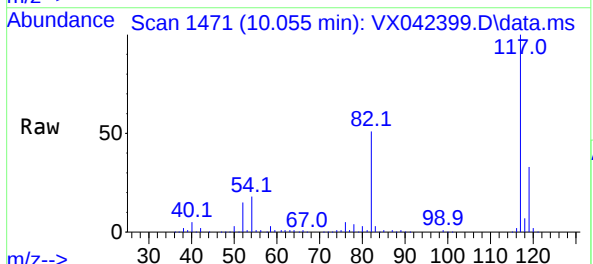
Instrument :
MSVOA_X
ClientSampleId :

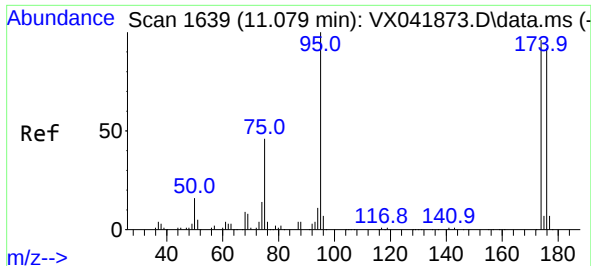
Tgt Ion: 63	Resp:	769
Ion	Ratio	Lower Upper
63	100	
65	14.0	25.7 38.5#
106	15.5	25.3 37.9#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX042399.D
Acq: 19 Jul 2024 13:10

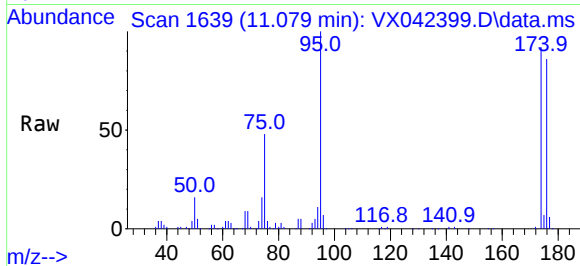
Tgt Ion: 117	Resp:	144661
Ion	Ratio	Lower Upper
117	100	
82	51.3	41.1 61.7
119	32.3	26.1 39.1



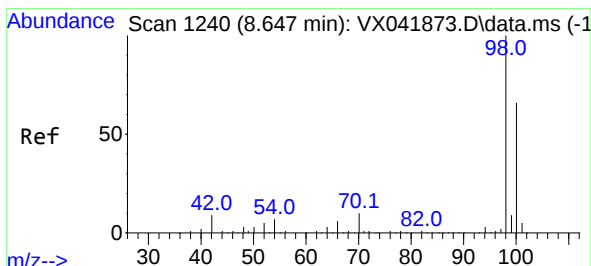
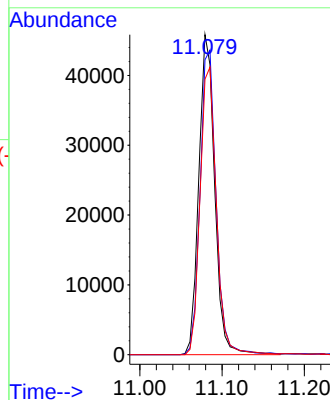
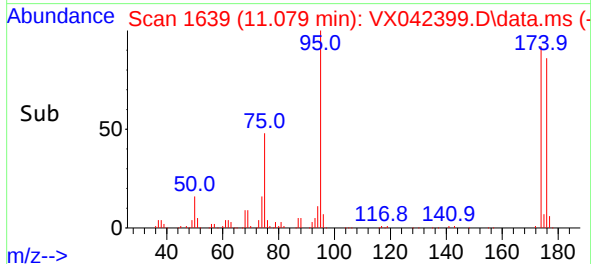


#60
4-Bromofluorobenzene
Concen: 27.358 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX042399.D
Acq: 19 Jul 2024 13:10

Instrument :
MSVOA_X
ClientSampleId :

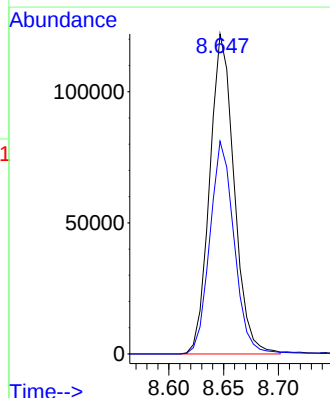
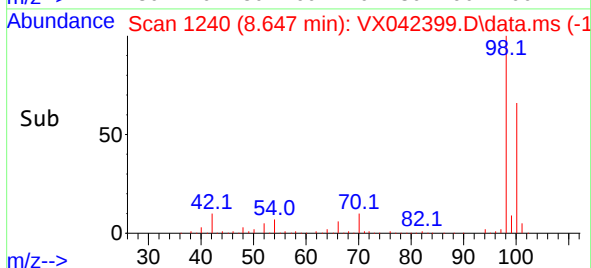
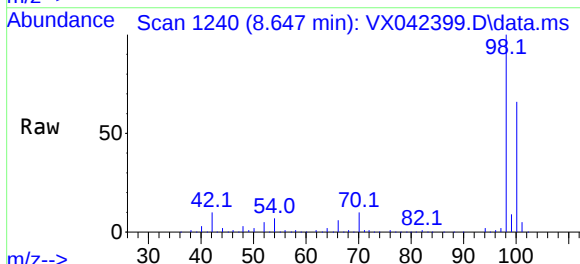


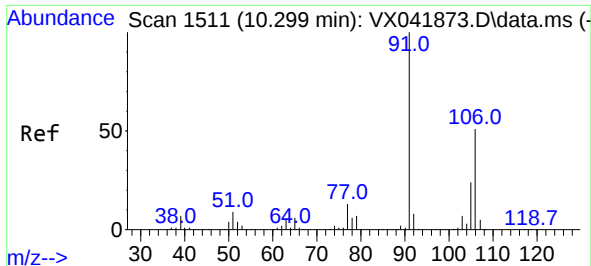
Tgt Ion: 95 Resp: 61576
Ion Ratio Lower Upper
95 100
174 95.6 78.9 118.3
176 91.7 77.1 115.7



#63
Toluene-d8
Concen: 30.122 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX042399.D
Acq: 19 Jul 2024 13:10

Tgt Ion: 98 Resp: 189288
Ion Ratio Lower Upper
98 100
100 66.4 52.7 79.1





#67

m/p-Xylenes

Concen: 0.210 ug/l

RT: 10.311 min Scan# 1511

Delta R.T. 0.012 min

Lab File: VX042399.D

Acq: 19 Jul 2024 13:10

Instrument :

MSVOA_X

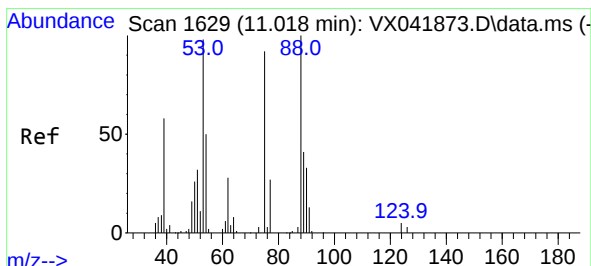
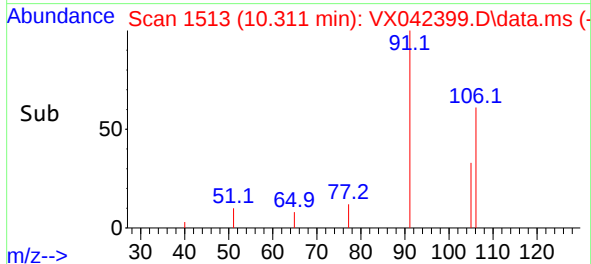
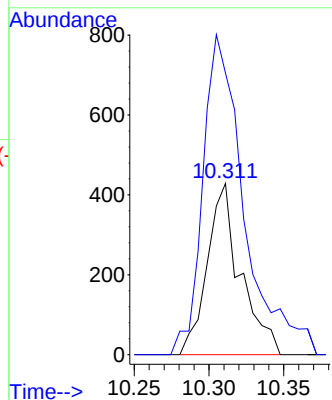
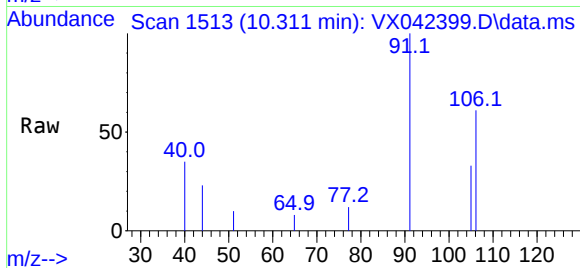
ClientSampleId :

Tgt Ion:106 Resp: 661

Ion Ratio Lower Upper

106 100

91 230.1 157.0 235.6



#77

t-1,4-Dichloro-2-butene

Concen: 35.658 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042399.D

Acq: 19 Jul 2024 13:10

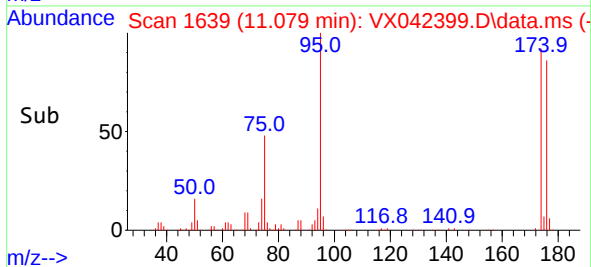
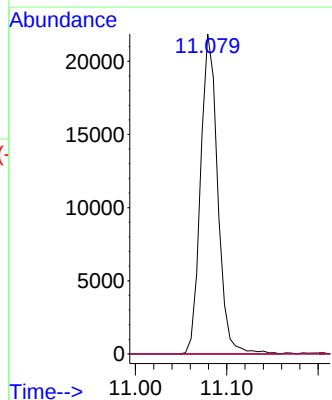
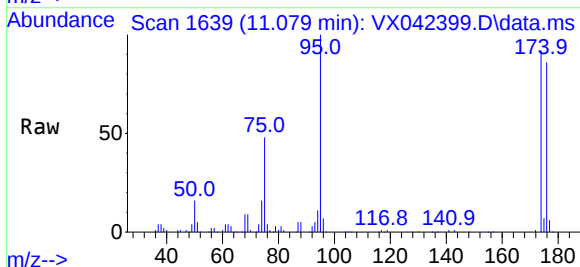
Tgt Ion: 75 Resp: 28571

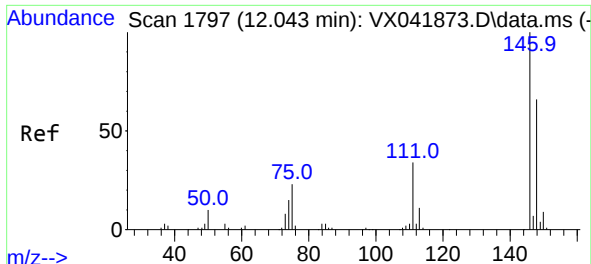
Ion Ratio Lower Upper

75 100

53 0.0 53.4 160.2#

89 0.0 22.5 67.5#

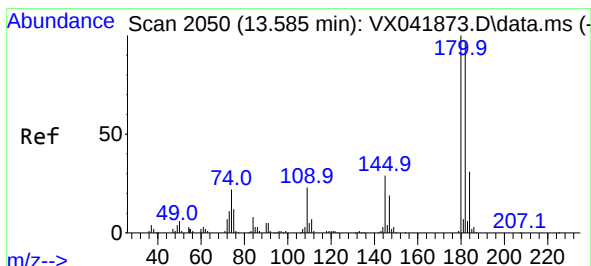
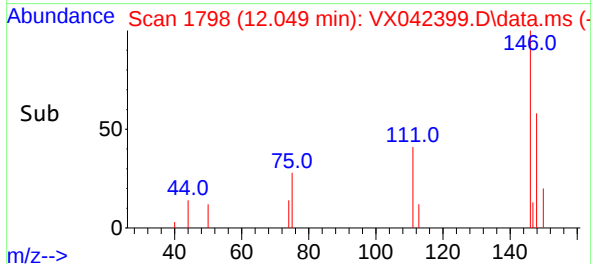
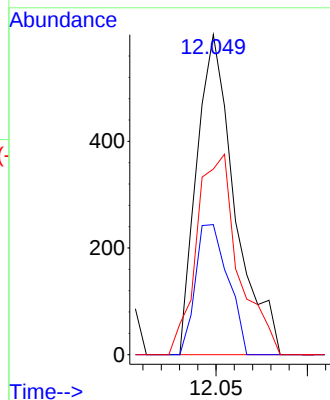
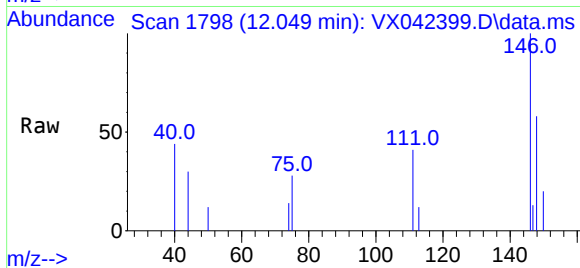




#84
1,4-Dichlorobenzene
Concen: 0.213 ug/l
RT: 12.049 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX042399.D
Acq: 19 Jul 2024 13:10

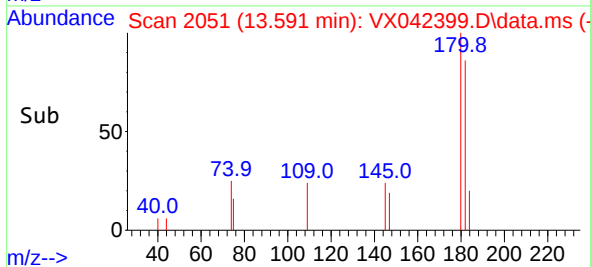
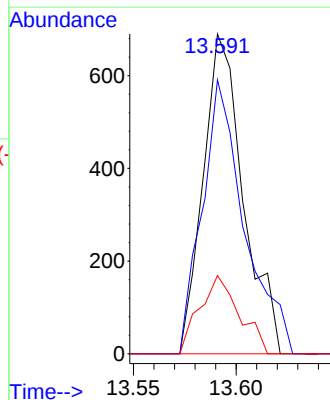
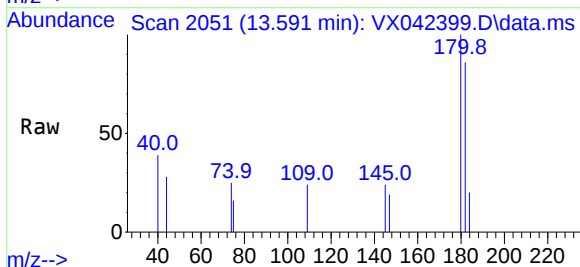
Instrument :
MSVOA_X
ClientSampleId :

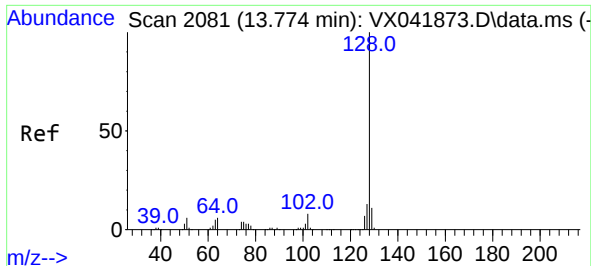
Tgt Ion:	146	Resp:	869
Ion	Ratio	Lower	Upper
146	100		
111	34.9	17.4	52.3
148	68.6	32.3	96.9



#89
1,2,4-Trichlorobenzene
Concen: 0.334 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX042399.D
Acq: 19 Jul 2024 13:10

Tgt Ion:	180	Resp:	937
Ion	Ratio	Lower	Upper
180	100		
182	90.0	76.9	115.3
145	24.1	22.8	34.2

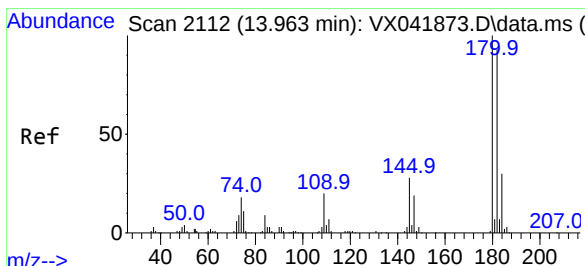
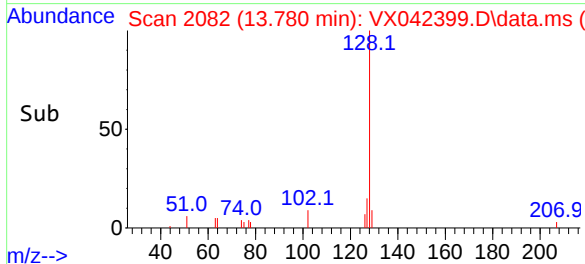
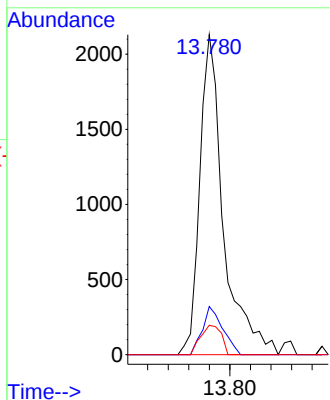
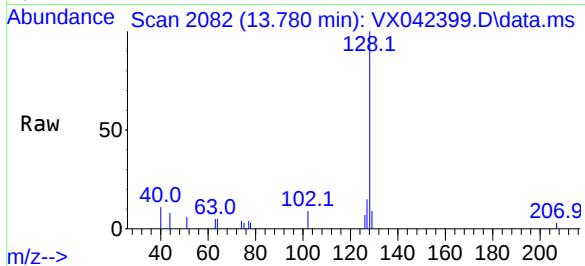




#91
Naphthalene
Concen: 0.407 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX042399.D
Acq: 19 Jul 2024 13:10

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 3408
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 8.0 8.7 13.1#



#92
1,2,3-Trichlorobenzene
Concen: 0.382 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.006 min
Lab File: VX042399.D
Acq: 19 Jul 2024 13:10

Tgt Ion:180 Resp: 1104
Ion Ratio Lower Upper
180 100
182 89.2 0.0 187.8
145 28.4 0.0 58.4

