

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070924\
 Data File : VX042240.D
 Acq On : 09 Jul 2024 11:06
 Operator : JC/MD
 Sample : VX0709WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 10 04:56:27 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)

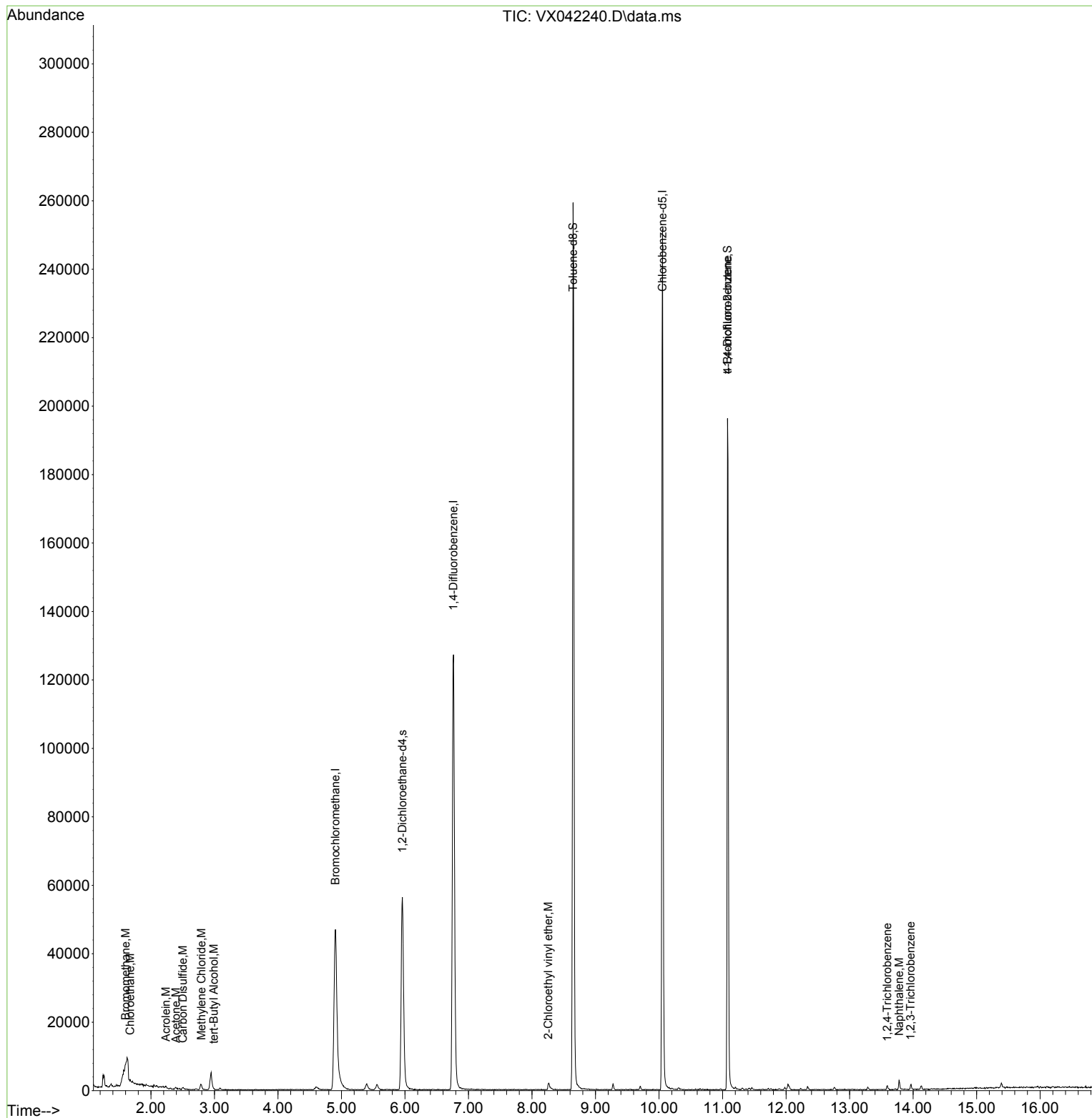
Internal Standards						
1) Bromochloromethane	4.904	128	26027	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	144536	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	127396	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	53209	29.698	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.000%
60) 4-Bromofluorobenzene	11.079	95	53398	27.078	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.267%
63) Toluene-d8	8.647	98	162402	29.796	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.333%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	402	0.408	ug/l #	67
6) Chloroethane	1.672	64	172	0.219	ug/l #	42
13) Acrolein	2.233	56	137	0.335	ug/l #	81
15) Acetone	2.392	58	113	0.410	ug/l #	1
16) Carbon Disulfide	2.502	76	899	0.258	ug/l #	75
18) Methylene Chloride	2.794	84	1079	0.591	ug/l #	90
23) tert-Butyl Alcohol	2.989	59	189	0.528	ug/l #	100
55) 2-Chloroethyl vinyl ether	8.257	63	1137	0.955	ug/l	98
77) t-1,4-Dichloro-2-butene	11.079	75	24556	33.321	ug/l #	7
89) 1,2,4-Trichlorobenzene	13.591	180	595	0.235	ug/l	95
91) Naphthalene	13.780	128	2501	0.327	ug/l #	92
92) 1,2,3-Trichlorobenzene	13.963	180	625	0.239	ug/l	94

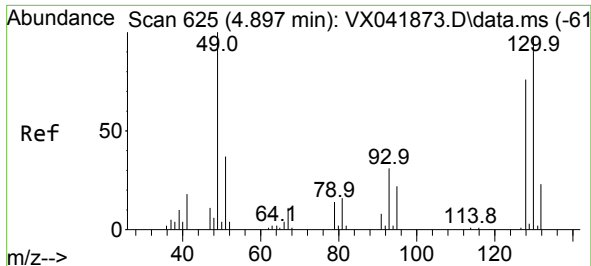
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :

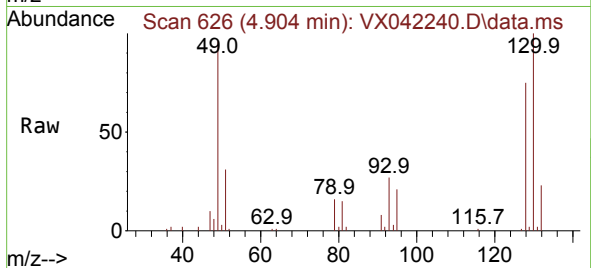
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 15 04:02:59 2024
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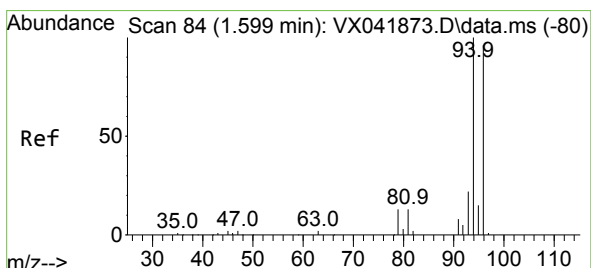
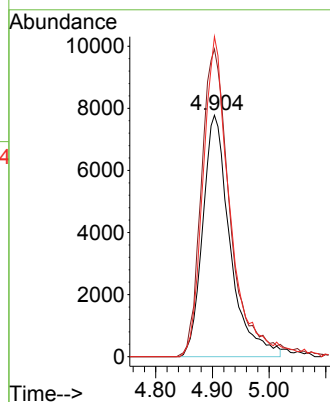
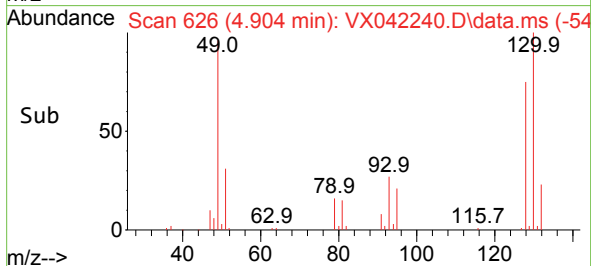


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX042240.D
Acq: 09 Jul 2024 11:06

Instrument :
MSVOA_X
ClientSampleId :

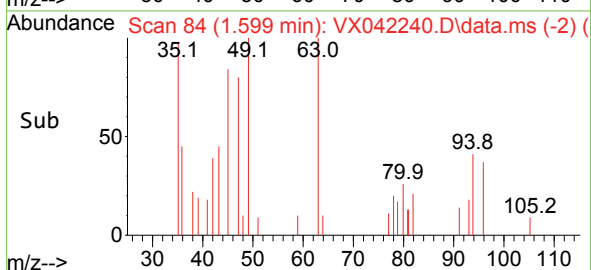
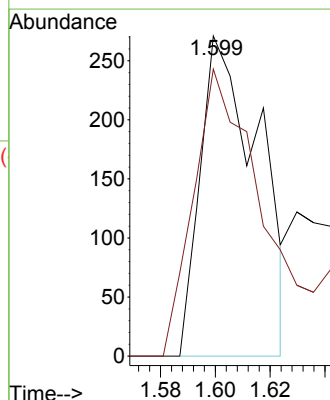
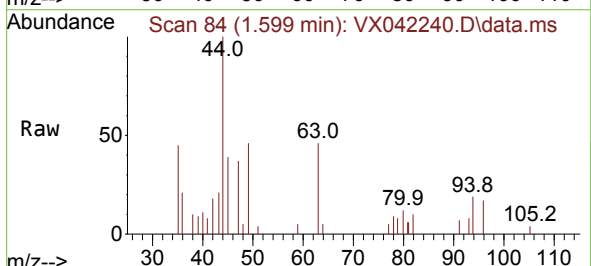


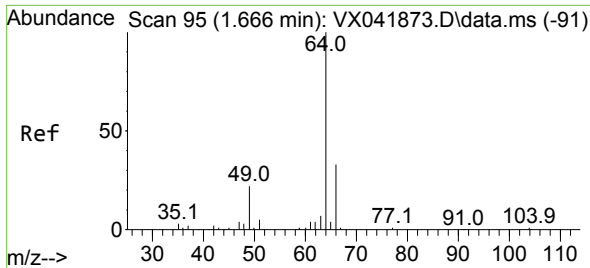
Tgt Ion:128 Resp: 26027
Ion Ratio Lower Upper
128 100
49 134.7 0.0 338.5
130 128.3 0.0 324.5



#5
Bromomethane
Concen: 0.408 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX042240.D
Acq: 09 Jul 2024 11:06

Tgt Ion: 94 Resp: 402
Ion Ratio Lower Upper
94 100
96 63.5 76.6 115.0#

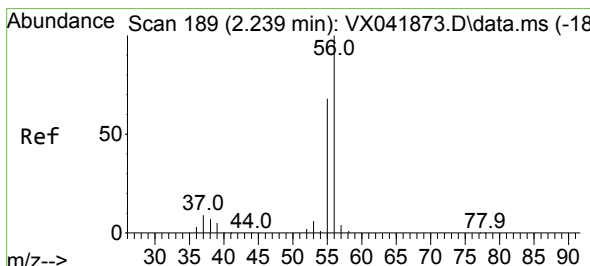
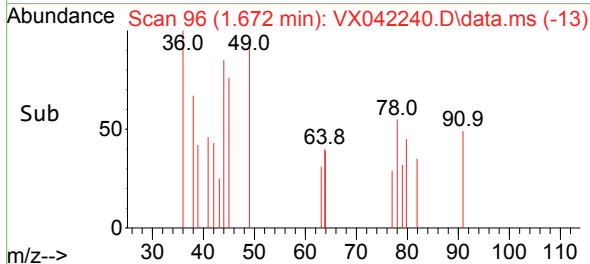
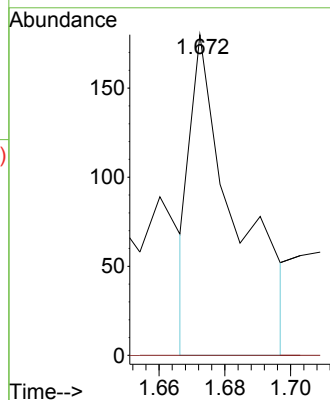
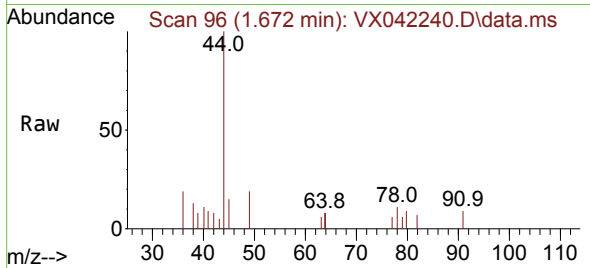




#6
Chloroethane
Concen: 0.219 ug/l
RT: 1.672 min Scan# 90
Delta R.T. 0.006 min
Lab File: VX042240.D
Acq: 09 Jul 2024 11:06

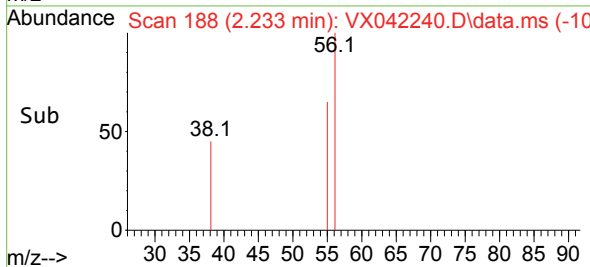
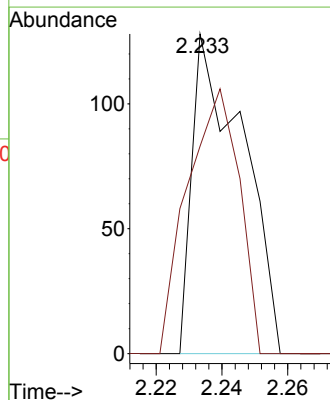
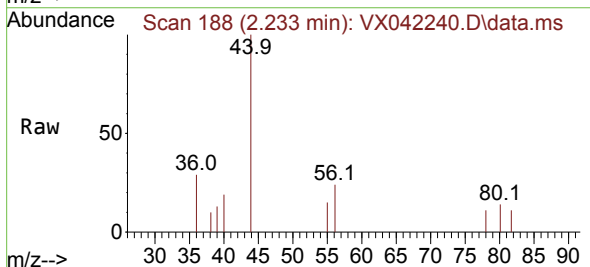
Instrument :
MSVOA_X
ClientSampleId :

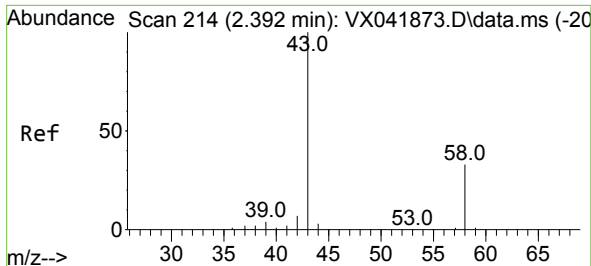
Tgt Ion: 64 Resp: 172
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#13
Acrolein
Concen: 0.335 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX042240.D
Acq: 09 Jul 2024 11:06

Tgt Ion: 56 Resp: 137
Ion Ratio Lower Upper
56 100
55 84.7 55.4 83.0#





#15

Acetone

Concen: 0.410 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.000 min

Lab File: VX042240.D

Acq: 09 Jul 2024 11:06

Instrument :

MSVOA_X

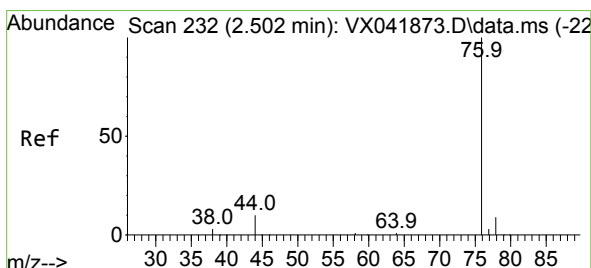
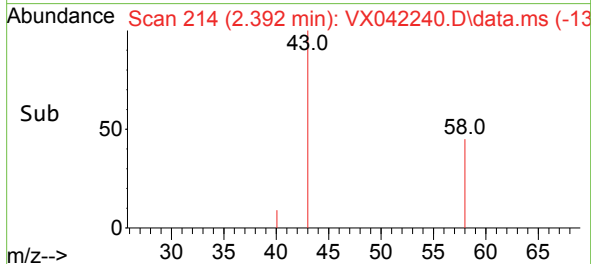
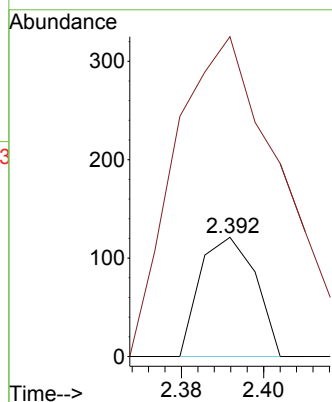
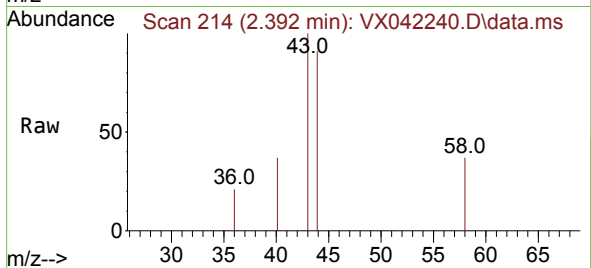
ClientSampleId :

Tgt Ion: 58 Resp: 113

Ion Ratio Lower Upper

58 100

43 106.6 243.4 365.2#



#16

Carbon Disulfide

Concen: 0.258 ug/l

RT: 2.502 min Scan# 232

Delta R.T. 0.000 min

Lab File: VX042240.D

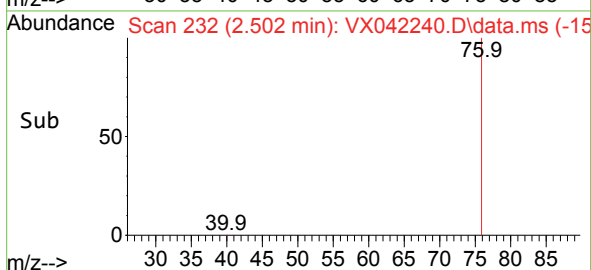
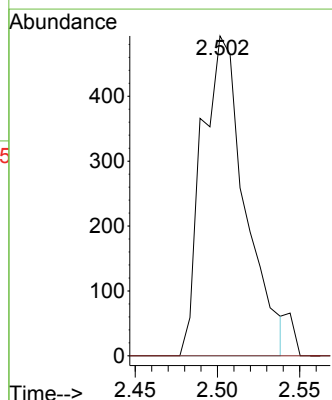
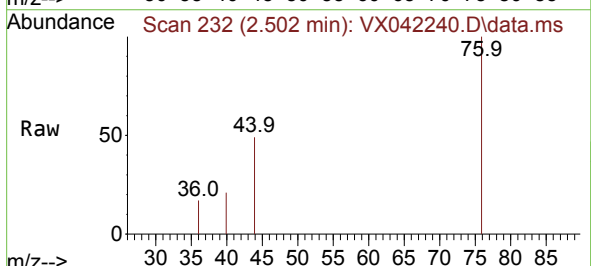
Acq: 09 Jul 2024 11:06

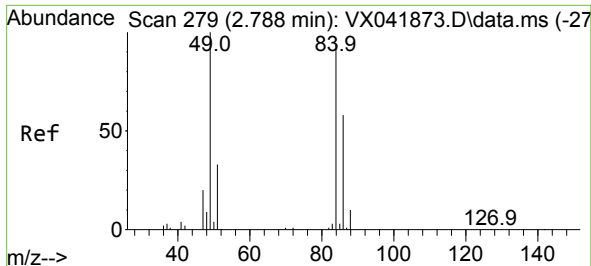
Tgt Ion: 76 Resp: 899

Ion Ratio Lower Upper

76 100

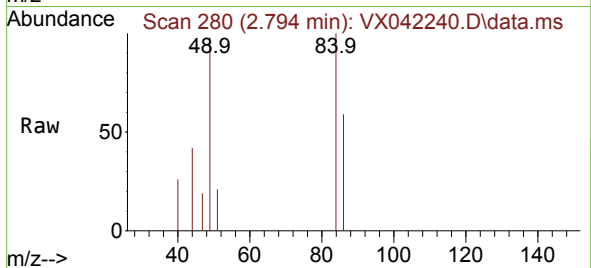
78 0.0 7.3 10.9#



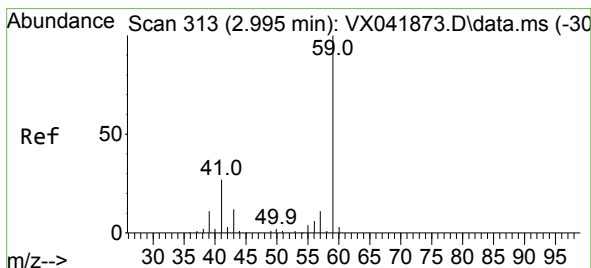
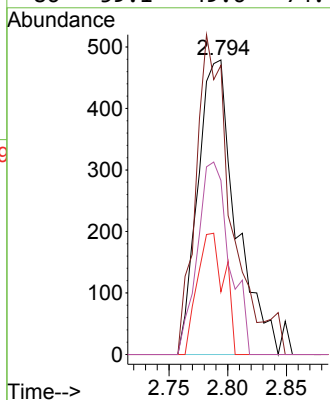
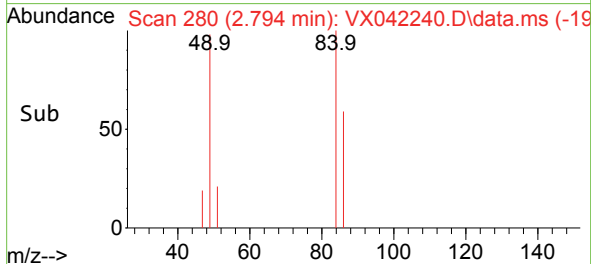


#18
Methylene Chloride
Concen: 0.591 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX042240.D
Acq: 09 Jul 2024 11:06

Instrument :
MSVOA_X
ClientSampleId :

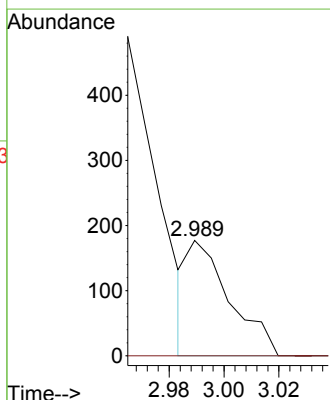
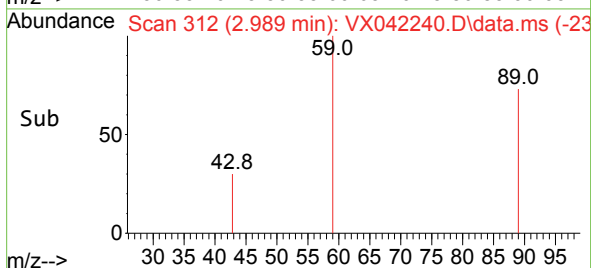
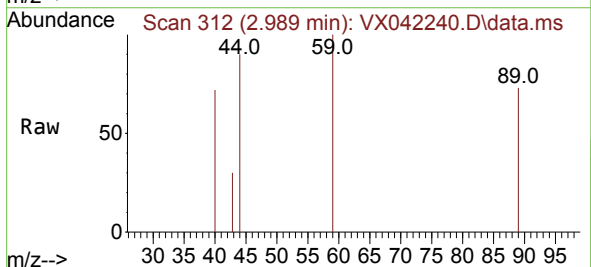


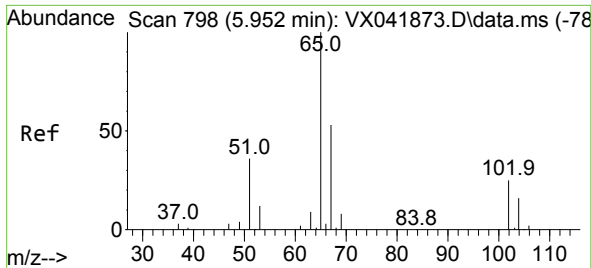
Tgt Ion: 84	Resp: 1079
Ion Ratio	Lower Upper
84 100	
49 98.1	85.3 127.9
51 21.3	28.5 42.7#
86 59.1	49.6 74.4



#23
tert-Butyl Alcohol
Concen: 0.528 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.006 min
Lab File: VX042240.D
Acq: 09 Jul 2024 11:06

Tgt Ion: 59	Resp: 189
Ion Ratio	Lower Upper
59 100	
52 43.4	0.0 0.0#

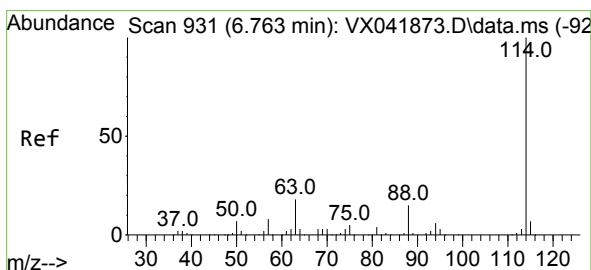
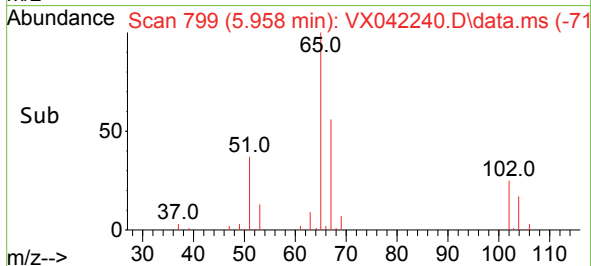
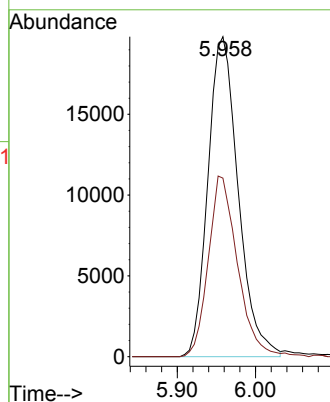
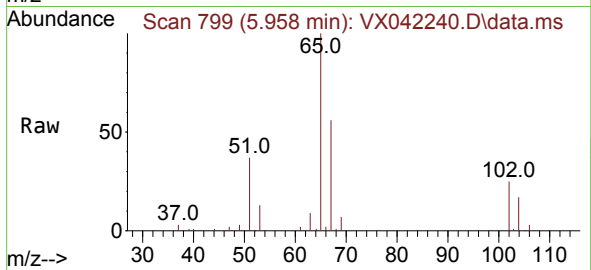




#27
1,2-Dichloroethane-d4
Concen: 29.698 ug/l
RT: 5.958 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX042240.D
Acq: 09 Jul 2024 11:06

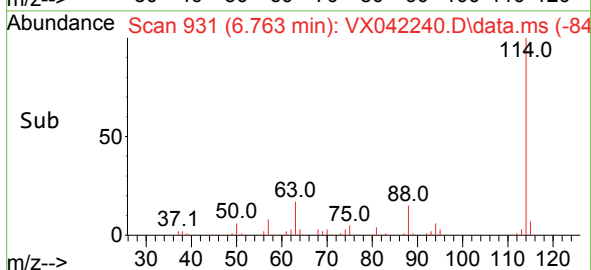
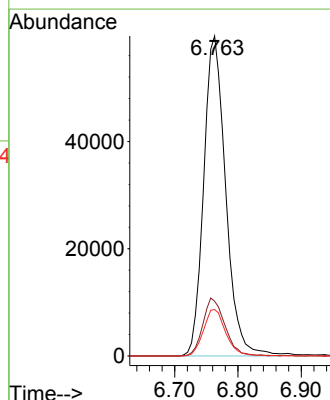
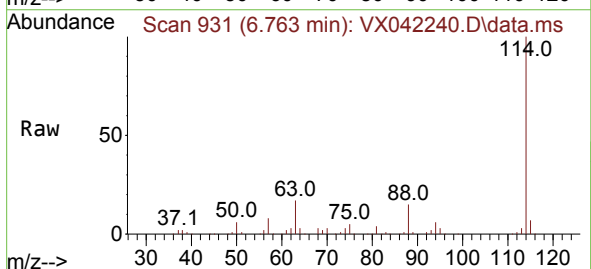
Instrument :
MSVOA_X
ClientSampleId :

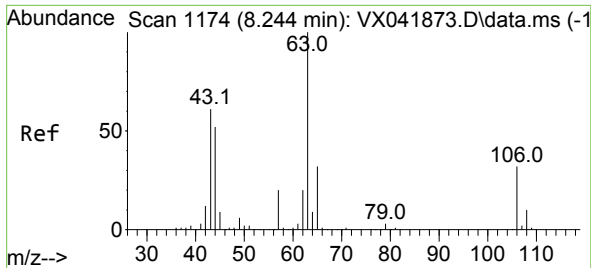
Tgt Ion: 65 Resp: 53209
Ion Ratio Lower Upper
65 100
67 54.6 43.4 65.0



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX042240.D
Acq: 09 Jul 2024 11:06

Tgt Ion:114 Resp: 144536
Ion Ratio Lower Upper
114 100
63 18.0 14.6 21.8
88 14.7 11.8 17.8

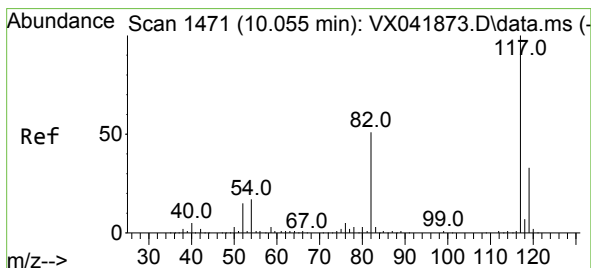
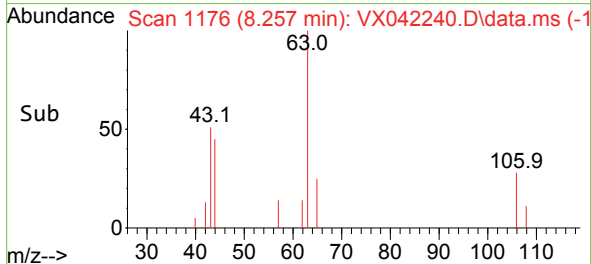
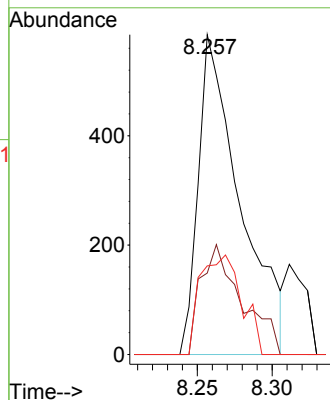
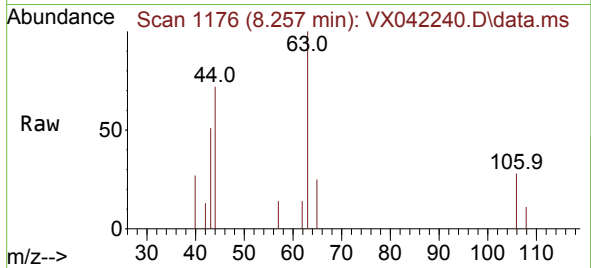




#55
2-Chloroethyl vinyl ether
Concen: 0.955 ug/l
RT: 8.257 min Scan# 1176
Delta R.T. 0.012 min
Lab File: VX042240.D
Acq: 09 Jul 2024 11:06

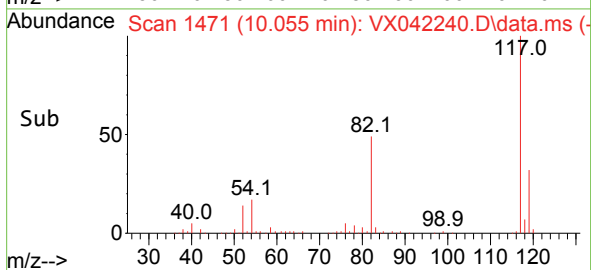
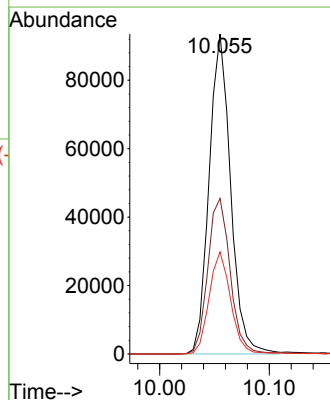
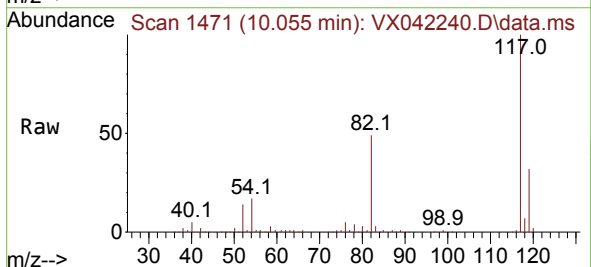
Instrument :
MSVOA_X
ClientSampleId :

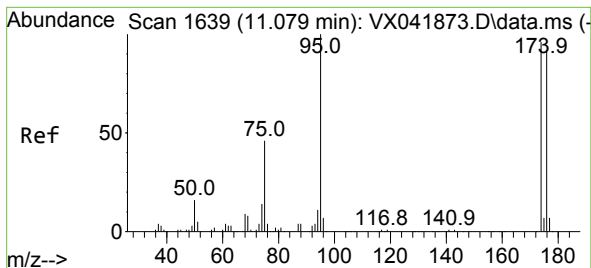
Tgt Ion: 63	Resp: 1137
Ion Ratio	Lower Upper
63	100
65	33.7 25.7 38.5
106	30.8 25.3 37.9



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042240.D
Acq: 09 Jul 2024 11:06

Tgt Ion: 117	Resp: 127396
Ion Ratio	Lower Upper
117	100
82	50.4 41.1 61.7
119	31.6 26.1 39.1

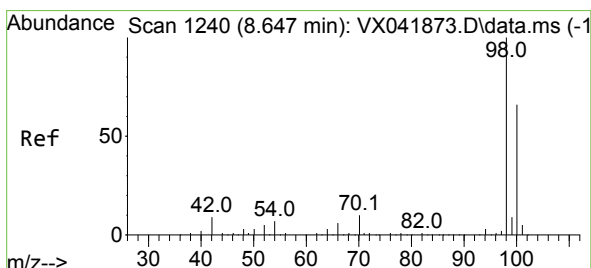
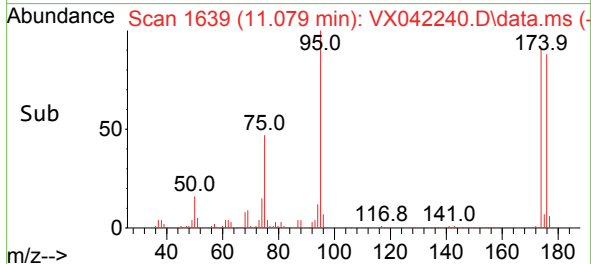
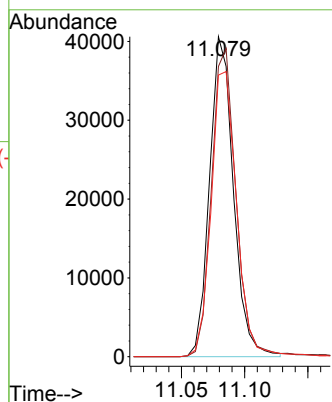
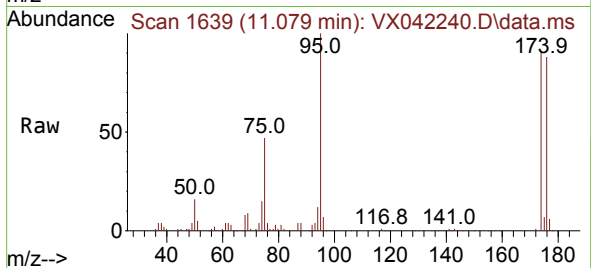




#60
4-Bromofluorobenzene
Concen: 27.078 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042240.D
Acq: 09 Jul 2024 11:06

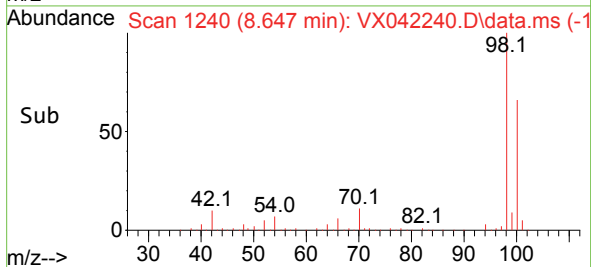
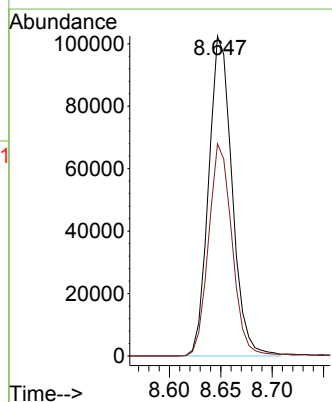
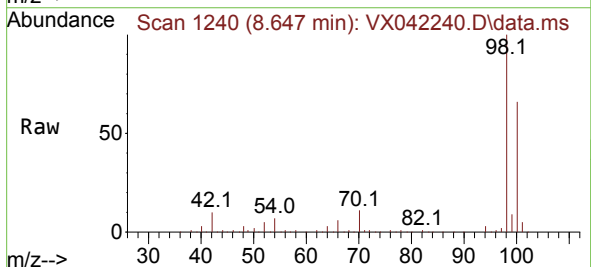
Instrument :
MSVOA_X
ClientSampleId :

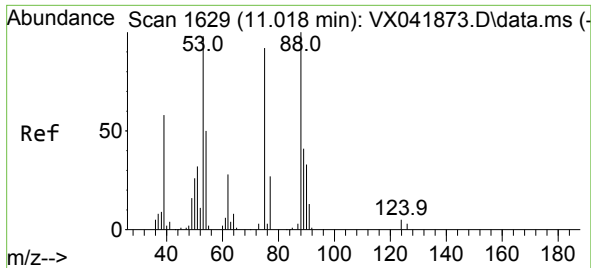
Tgt Ion: 95 Resp: 53398
Ion Ratio Lower Upper
95 100
174 98.1 78.9 118.3
176 94.6 77.1 115.7



#63
Toluene-d8
Concen: 29.796 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042240.D
Acq: 09 Jul 2024 11:06

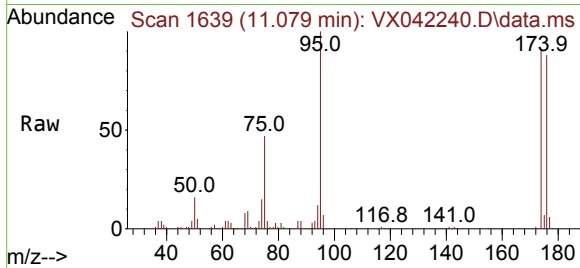
Tgt Ion: 98 Resp: 162402
Ion Ratio Lower Upper
98 100
100 66.4 52.7 79.1



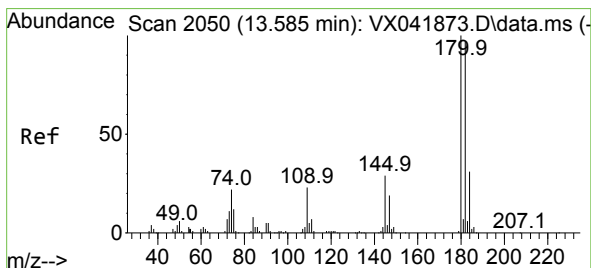
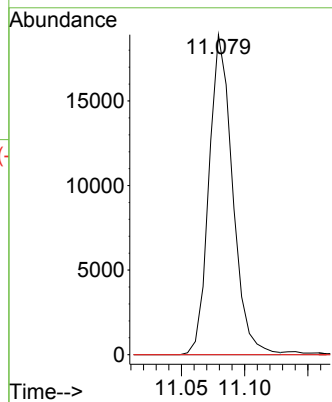
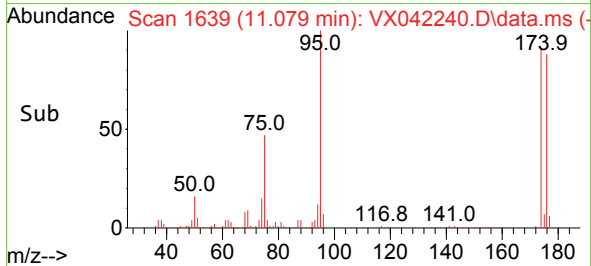


#77
t-1,4-Dichloro-2-butene
Concen: 33.321 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX042240.D
Acq: 09 Jul 2024 11:06

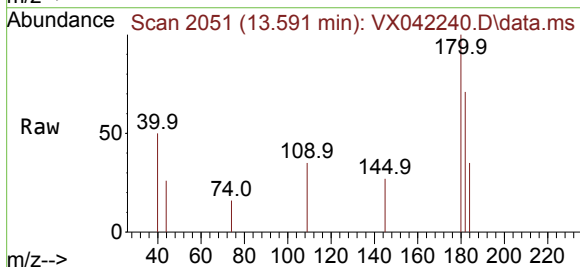
Instrument :
MSVOA_X
ClientSampleId :



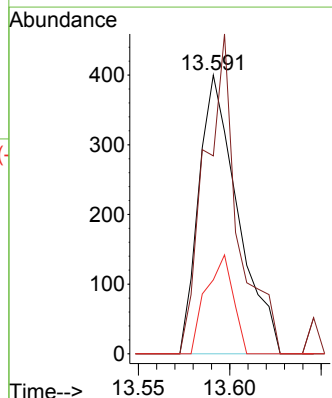
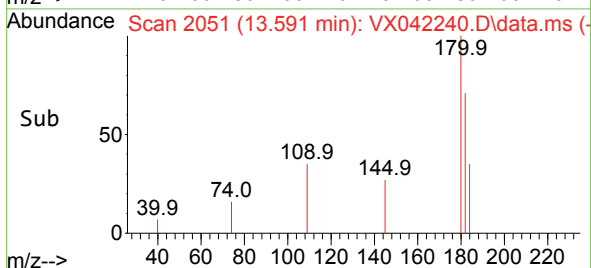
Tgt Ion: 75 Resp: 24556
Ion Ratio Lower Upper
75 100
53 0.0 53.4 160.2#
89 0.0 22.5 67.5#

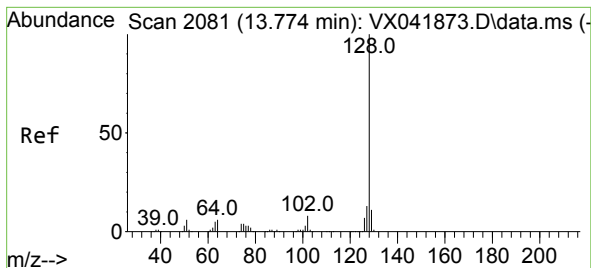


#89
1,2,4-Trichlorobenzene
Concen: 0.235 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX042240.D
Acq: 09 Jul 2024 11:06



Tgt Ion:180 Resp: 595
Ion Ratio Lower Upper
180 100
182 91.6 76.9 115.3
145 24.7 22.8 34.2





#91

Naphthalene

Concen: 0.327 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX042240.D

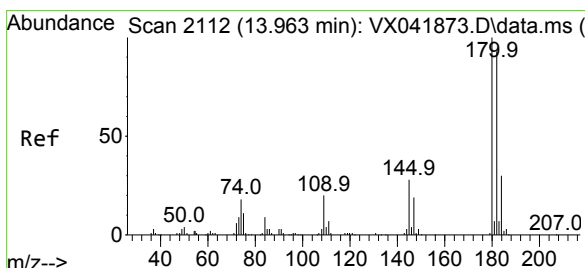
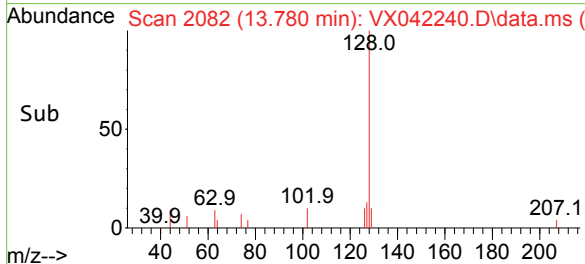
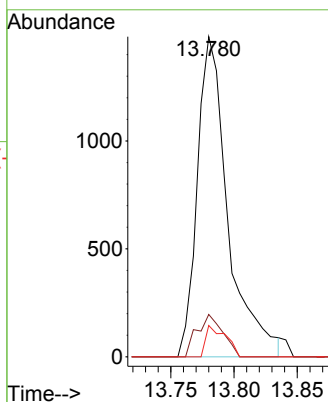
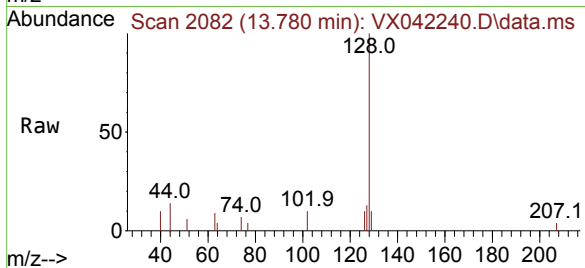
Acq: 09 Jul 2024 11:06

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:128	Resp:	2501
Ion Ratio	Lower	Upper
128	100	
127	11.1	10.4 15.6
129	6.3	8.7 13.1#



#92

1,2,3-Trichlorobenzene

Concen: 0.239 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX042240.D

Acq: 09 Jul 2024 11:06

Tgt Ion:180	Resp:	625
Ion Ratio	Lower	Upper
180	100	
182	95.2	0.0 187.8
145	17.3	0.0 58.4

