

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062424\
 Data File : VX042005.D
 Acq On : 24 Jun 2024 15:30
 Operator : JC/MD
 Sample : P3030-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 25 06:43:59 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)

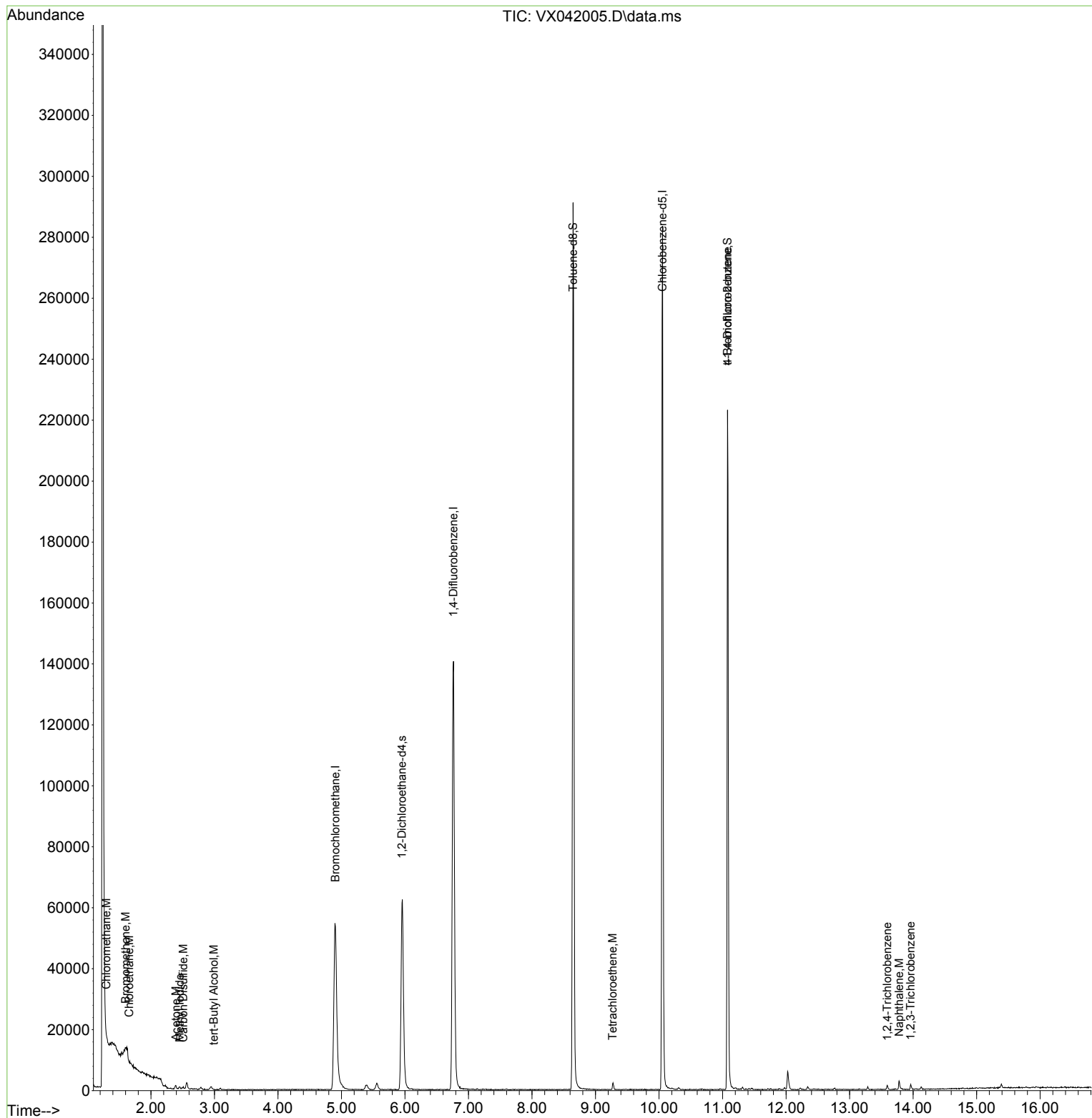
Internal Standards						
1) Bromochloromethane	4.903	128	29311	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	157908	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	142477	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	59182	29.331	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.767%
60) 4-Bromofluorobenzene	11.079	95	60034	27.221	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.733%
63) Toluene-d8	8.647	98	182342	29.913	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.700%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	728	0.343	ug/l	91
5) Bromomethane	1.599	94	631	0.569	ug/l	86
6) Chloroethane	1.654	64	1242	1.402	ug/l #	47
11) Methyl Iodide	2.453	142	881	0.378	ug/l #	82
15) Acetone	2.392	58	347	1.119	ug/l #	67
16) Carbon Disulfide	2.507	76	871	0.222	ug/l #	91
23) tert-Butyl Alcohol	2.989	59	93	0.231	ug/l #	100
61) Tetrachloroethene	9.268	164	427	0.238	ug/l #	74
77) t-1,4-Dichloro-2-butene	11.079	75	27351	33.185	ug/l #	7
89) 1,2,4-Trichlorobenzene	13.591	180	568	0.201	ug/l	97
91) Naphthalene	13.780	128	2350	0.275	ug/l	98
92) 1,2,3-Trichlorobenzene	13.963	180	717	0.245	ug/l	90

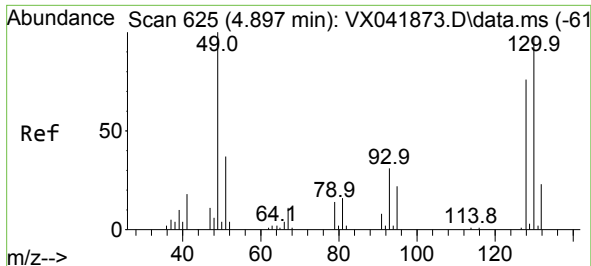
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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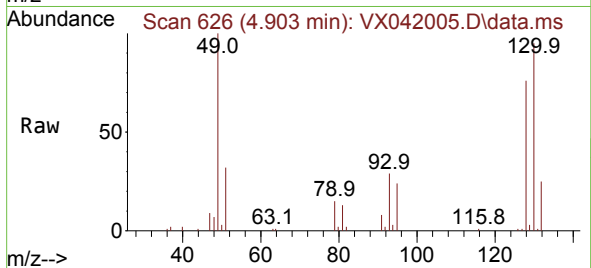
Quant Time: Jun 25 06:43:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 15 04:02:59 2024
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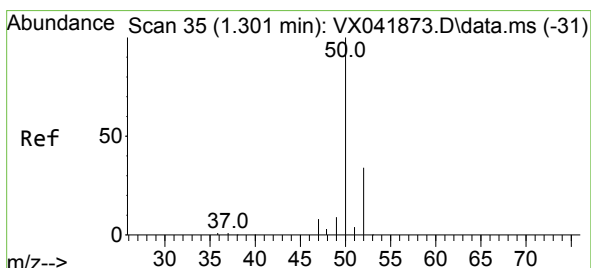
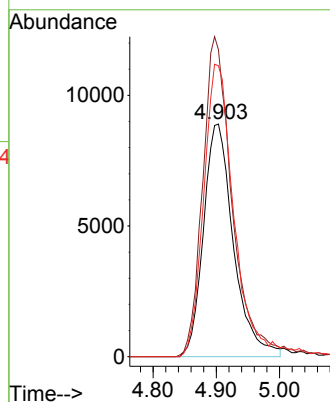
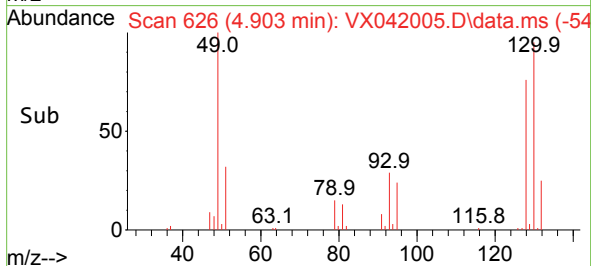


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX042005.D
Acq: 24 Jun 2024 15:30

Instrument :
MSVOA_X
ClientSampleId :

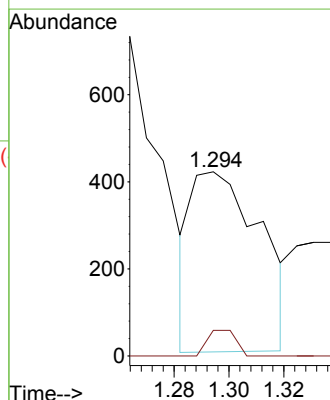
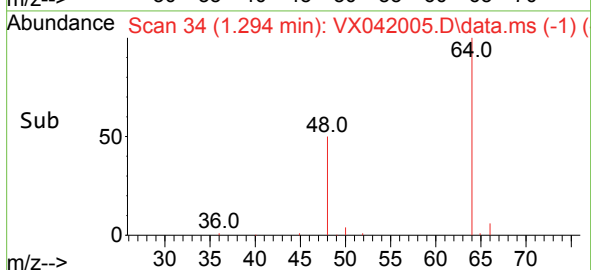
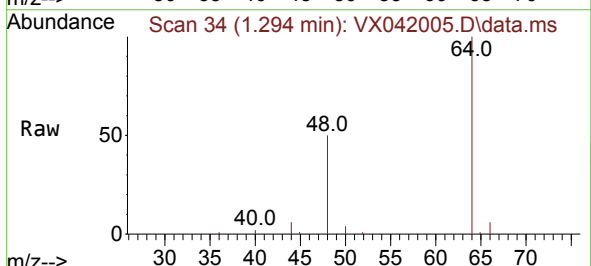


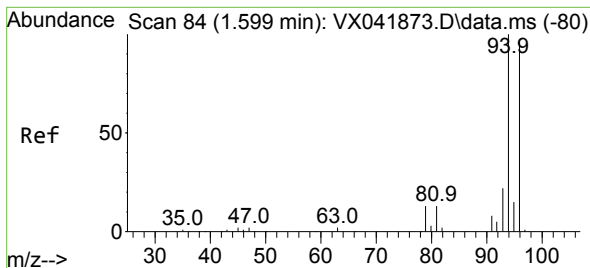
Tgt Ion:128 Resp: 29311
Ion Ratio Lower Upper
128 100
49 135.8 0.0 338.5
130 124.3 0.0 324.5



#3
Chloromethane
Concen: 0.343 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX042005.D
Acq: 24 Jun 2024 15:30

Tgt Ion: 50 Resp: 728
Ion Ratio Lower Upper
50 100
52 28.2 26.9 40.3





#5

Bromomethane

Concen: 0.569 ug/l

RT: 1.599 min Scan# 84

Delta R.T. -0.000 min

Lab File: VX042005.D

Acq: 24 Jun 2024 15:30

Instrument :

MSVOA_X

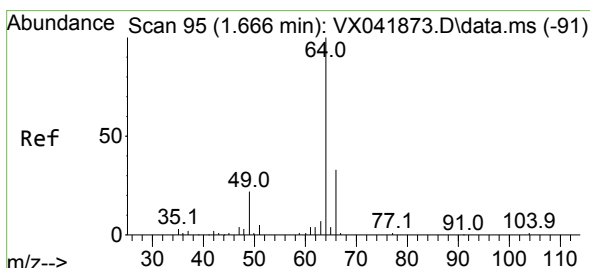
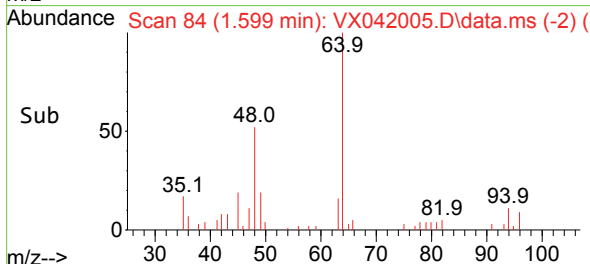
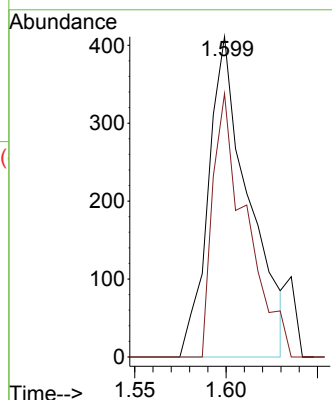
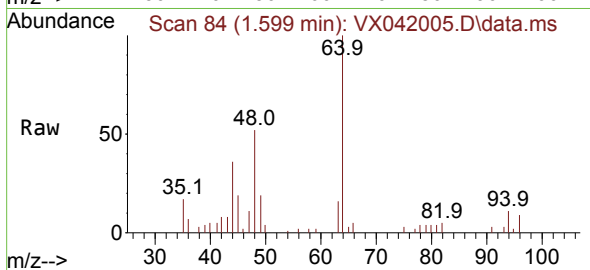
ClientSampleId :

Tgt Ion: 94 Resp: 631

Ion Ratio Lower Upper

94 100

96 82.2 76.6 115.0



#6

Chloroethane

Concen: 1.402 ug/l

RT: 1.654 min Scan# 93

Delta R.T. -0.012 min

Lab File: VX042005.D

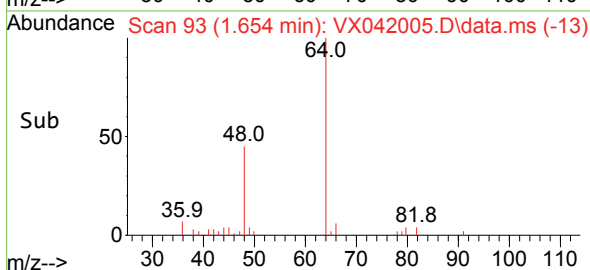
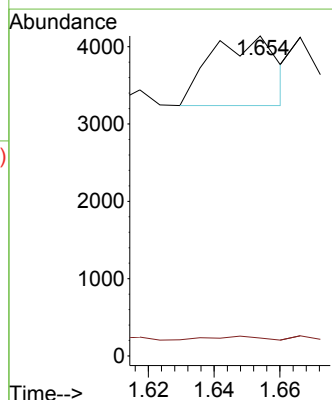
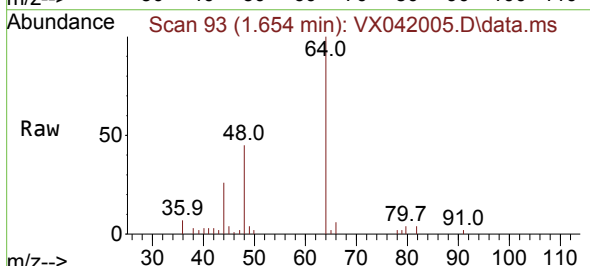
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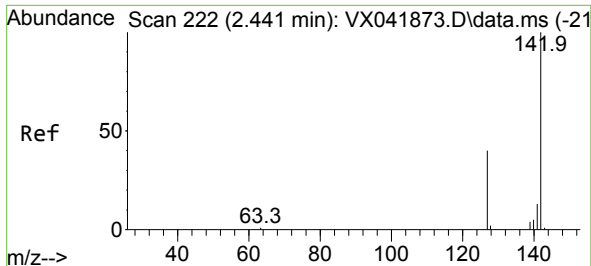
Tgt Ion: 64 Resp: 1242

Ion Ratio Lower Upper

64 100

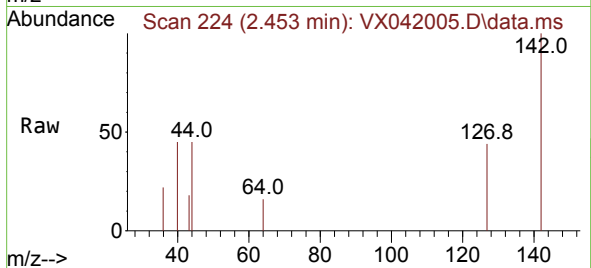
66 3.0 26.4 39.6#



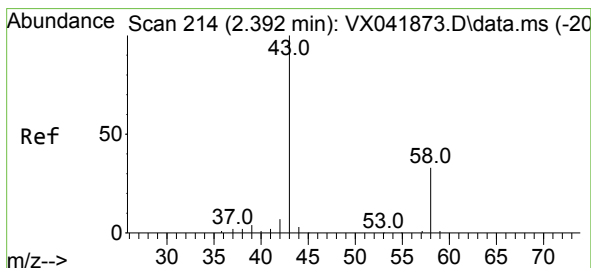
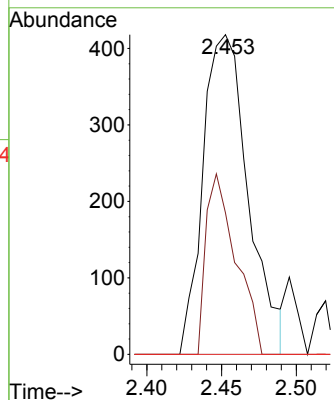


#11
Methyl Iodide
Concen: 0.378 ug/l
RT: 2.453 min Scan# 211
Delta R.T. 0.012 min
Lab File: VX042005.D
Acq: 24 Jun 2024 15:30

Instrument :
MSVOA_X
ClientSampleId :

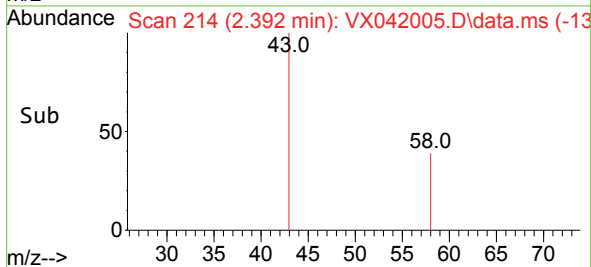
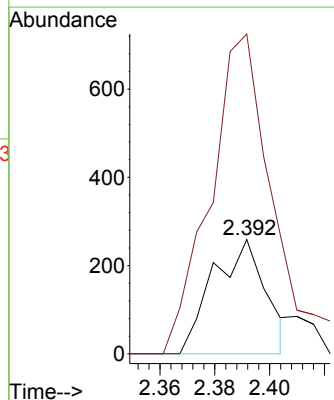
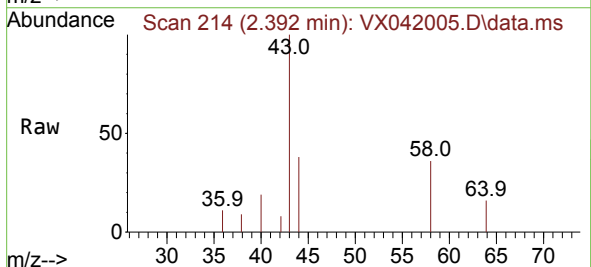


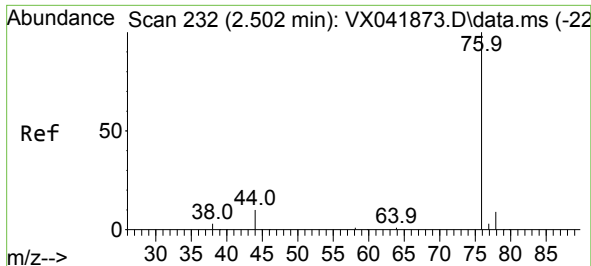
Tgt Ion:142 Resp: 881
Ion Ratio Lower Upper
142 100
127 47.6 19.8 59.3
141 0.0 6.7 20.1#



#15
Acetone
Concen: 1.119 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX042005.D
Acq: 24 Jun 2024 15:30

Tgt Ion: 58 Resp: 347
Ion Ratio Lower Upper
58 100
43 239.8 243.4 365.2#

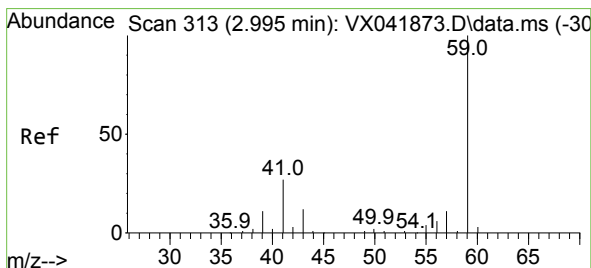
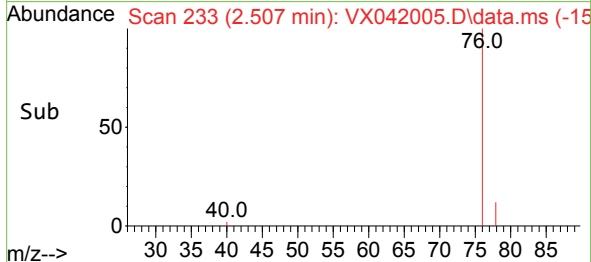
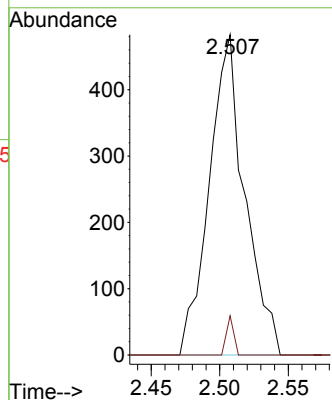
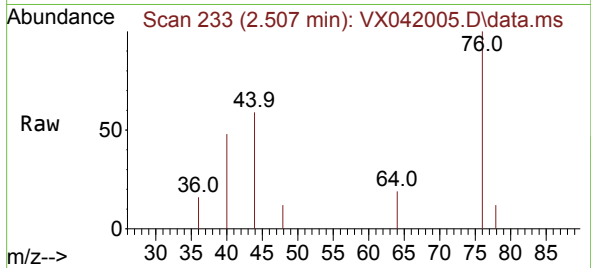




#16
Carbon Disulfide
Concen: 0.222 ug/l
RT: 2.507 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX042005.D
Acq: 24 Jun 2024 15:30

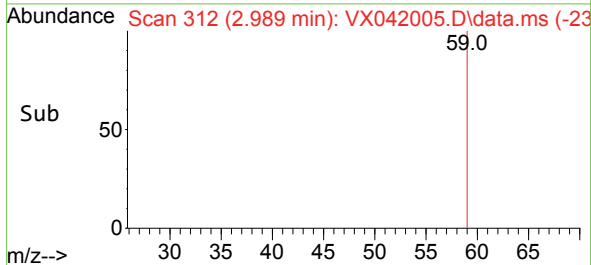
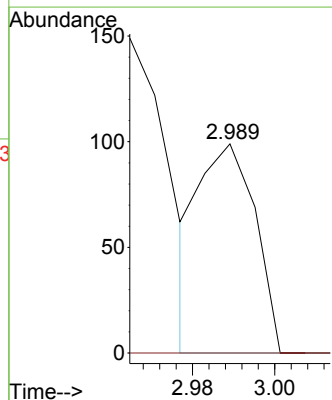
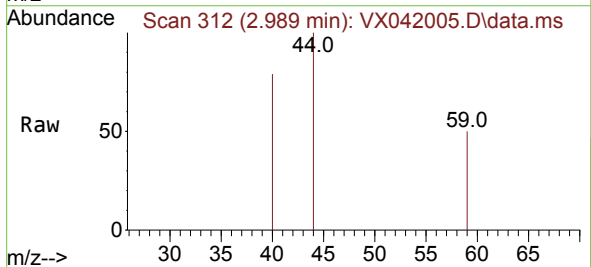
Instrument :
MSVOA_X
ClientSampleId :

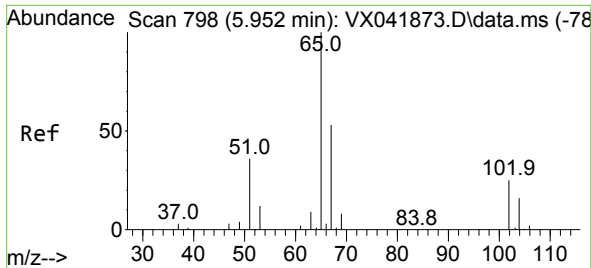
Tgt Ion: 76 Resp: 871
Ion Ratio Lower Upper
76 100
78 12.2 7.3 10.9#



#23
tert-Butyl Alcohol
Concen: 0.231 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.006 min
Lab File: VX042005.D
Acq: 24 Jun 2024 15:30

Tgt Ion: 59 Resp: 93
Ion Ratio Lower Upper
59 100
52 36.6 0.0 0.0#

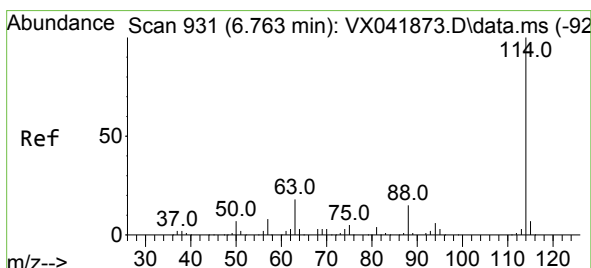
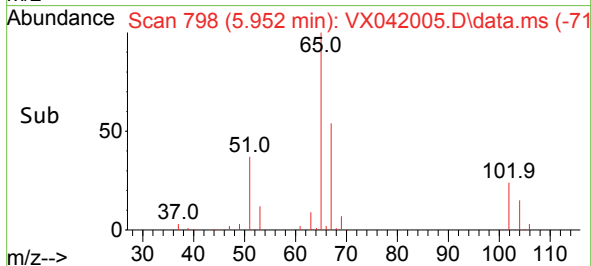
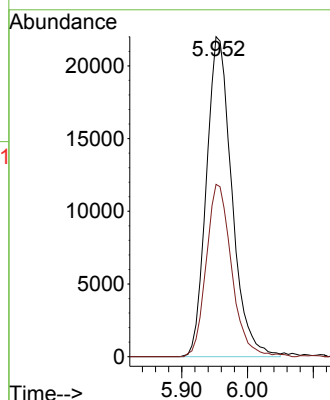
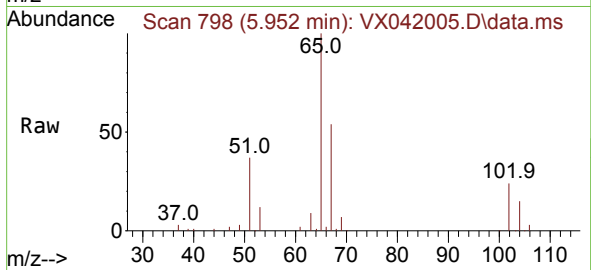




#27
1,2-Dichloroethane-d4
Concen: 29.331 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX042005.D
Acq: 24 Jun 2024 15:30

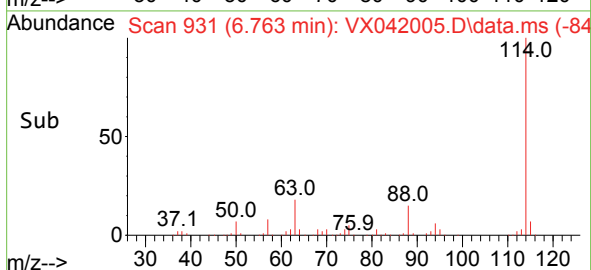
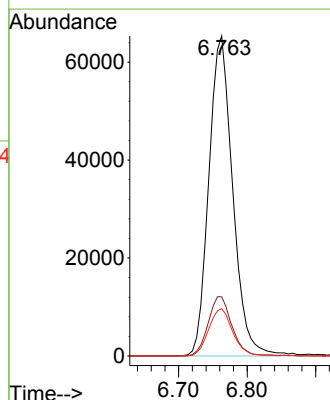
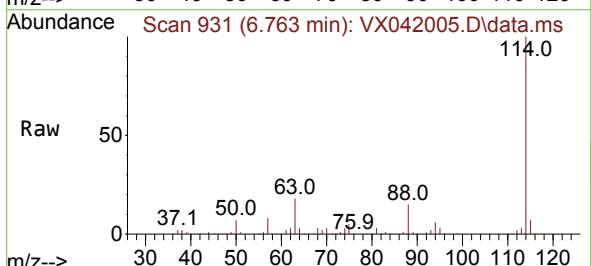
Instrument :
MSVOA_X
ClientSampleId :

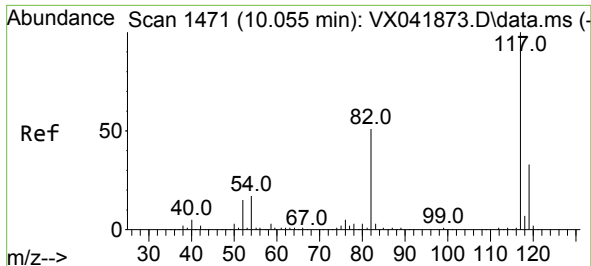
Tgt Ion: 65 Resp: 59182
Ion Ratio Lower Upper
65 100
67 53.5 43.4 65.0



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX042005.D
Acq: 24 Jun 2024 15:30

Tgt Ion: 114 Resp: 157908
Ion Ratio Lower Upper
114 100
63 18.4 14.6 21.8
88 14.8 11.8 17.8

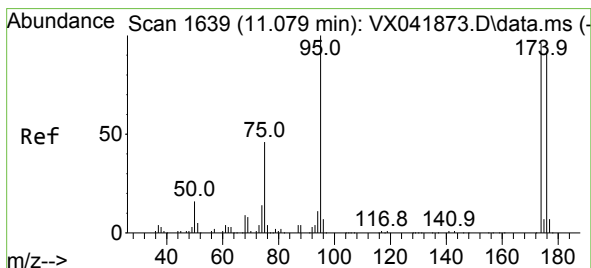
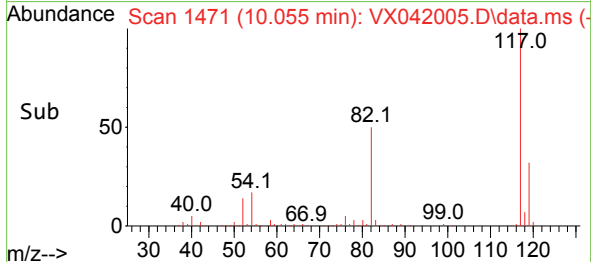
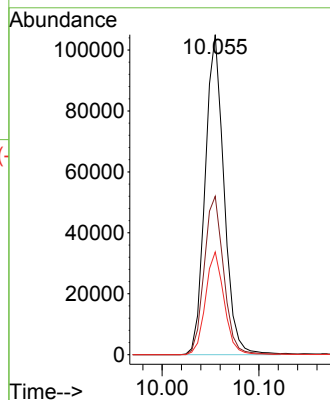
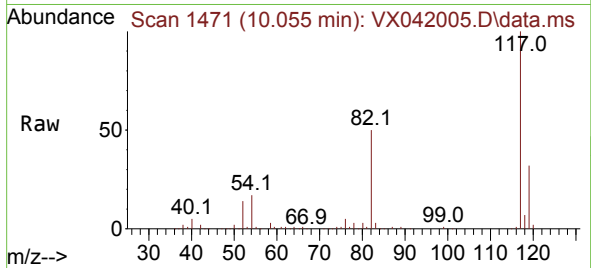




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX042005.D
Acq: 24 Jun 2024 15:30

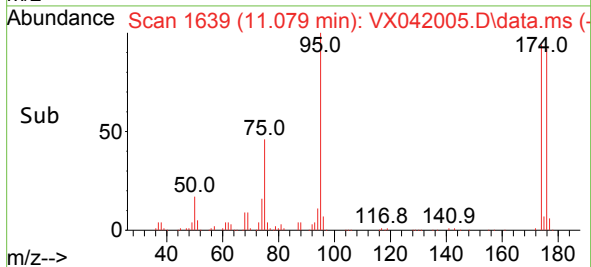
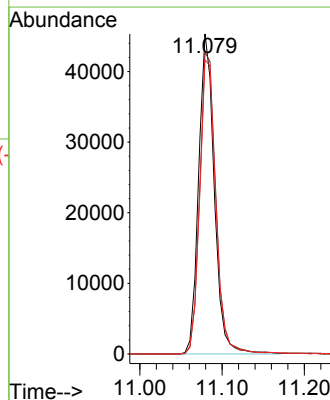
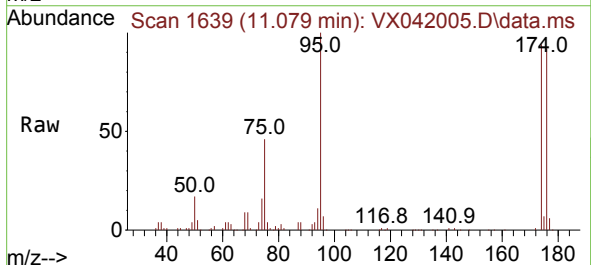
Instrument :
MSVOA_X
ClientSampleId :

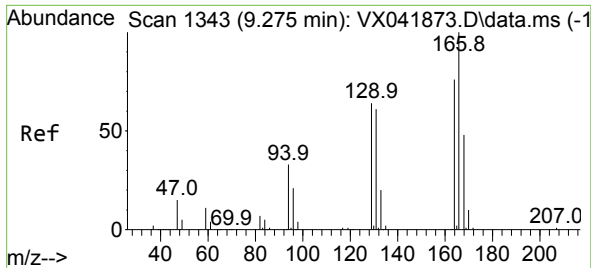
Tgt Ion:117 Resp: 142477
Ion Ratio Lower Upper
117 100
82 51.3 41.1 61.7
119 31.9 26.1 39.1



#60
4-Bromofluorobenzene
Concen: 27.221 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX042005.D
Acq: 24 Jun 2024 15:30

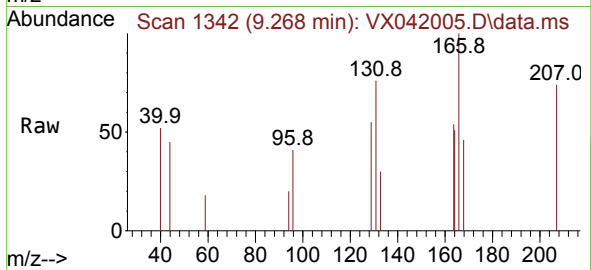
Tgt Ion: 95 Resp: 60034
Ion Ratio Lower Upper
95 100
174 97.1 78.9 118.3
176 94.5 77.1 115.7



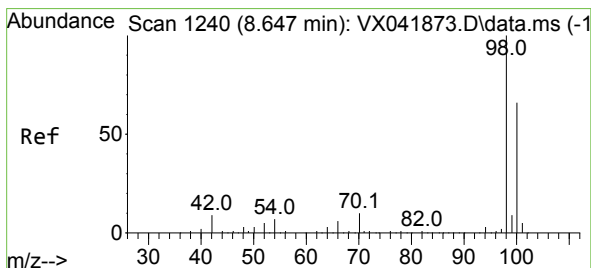
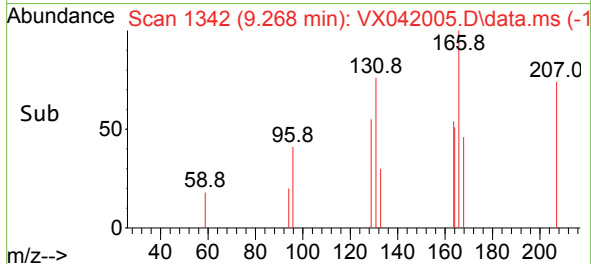
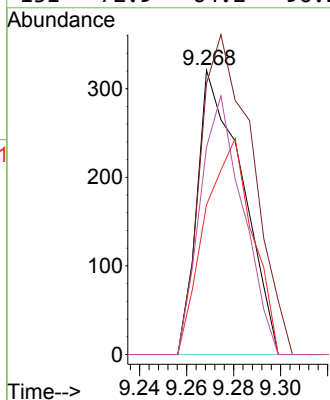


#61
Tetrachloroethene
Concen: 0.238 ug/l
RT: 9.268 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX042005.D
Acq: 24 Jun 2024 15:30

Instrument :
MSVOA_X
ClientSampleId :

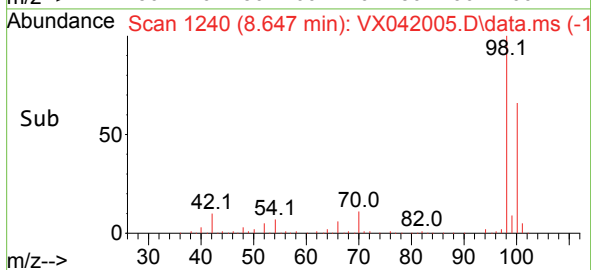
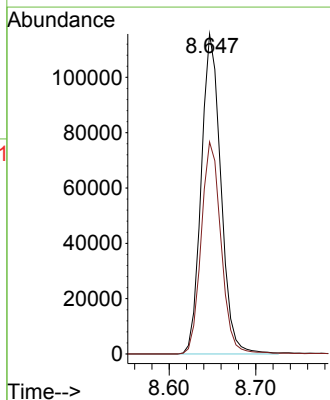
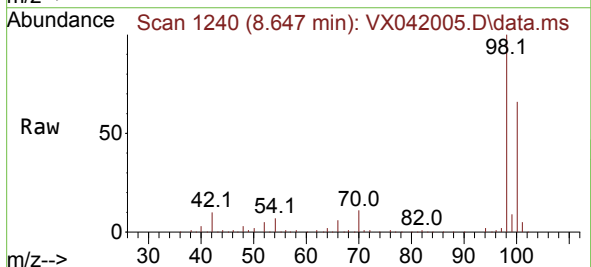


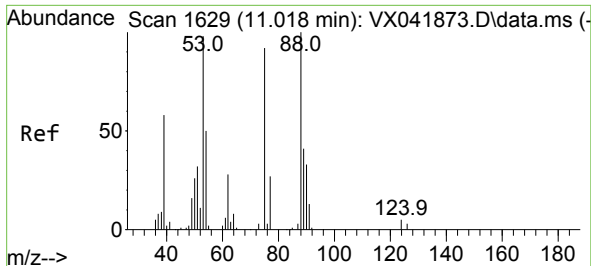
Tgt Ion:164 Resp: 427
Ion Ratio Lower Upper
164 100
166 95.3 105.0 157.6#
129 52.6 67.1 100.7#
131 72.9 64.2 96.2



#63
Toluene-d8
Concen: 29.913 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX042005.D
Acq: 24 Jun 2024 15:30

Tgt Ion: 98 Resp: 182342
Ion Ratio Lower Upper
98 100
100 66.9 52.7 79.1

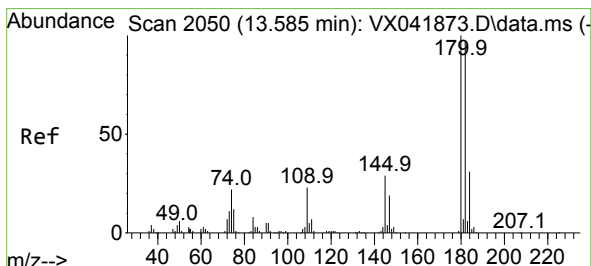
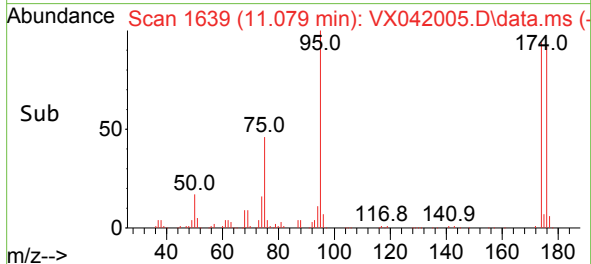
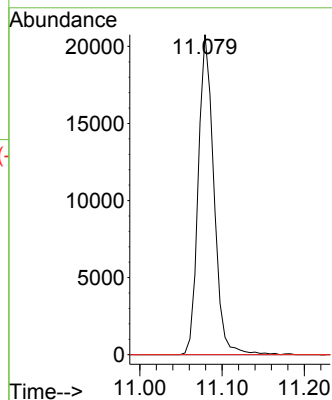
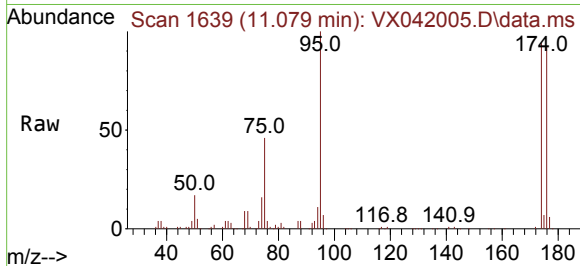




#77
t-1,4-Dichloro-2-butene
Concen: 33.185 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX042005.D
Acq: 24 Jun 2024 15:30

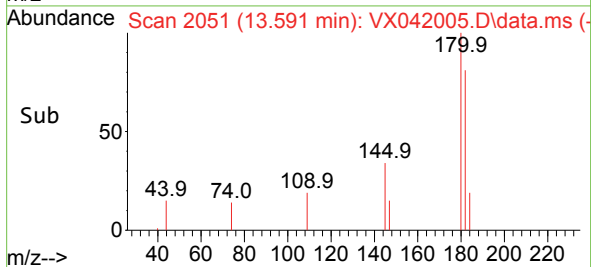
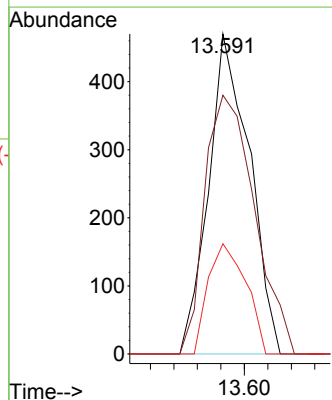
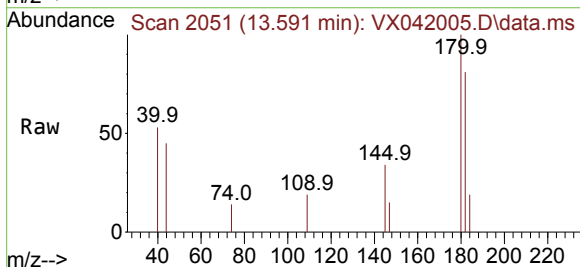
Instrument :
MSVOA_X
ClientSampleId :

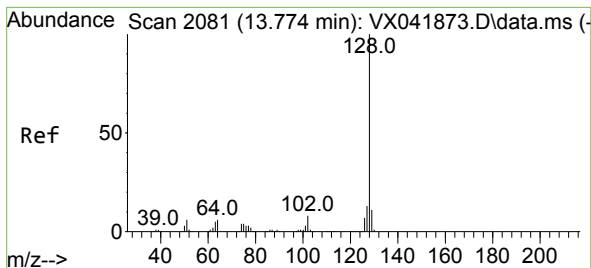
Tgt Ion: 75 Resp: 27351
Ion Ratio Lower Upper
75 100
53 0.0 53.4 160.2#
89 0.0 22.5 67.5#



#89
1,2,4-Trichlorobenzene
Concen: 0.201 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX042005.D
Acq: 24 Jun 2024 15:30

Tgt Ion:180 Resp: 568
Ion Ratio Lower Upper
180 100
182 98.2 76.9 115.3
145 31.9 22.8 34.2





#91

Naphthalene

Concen: 0.275 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX042005.D

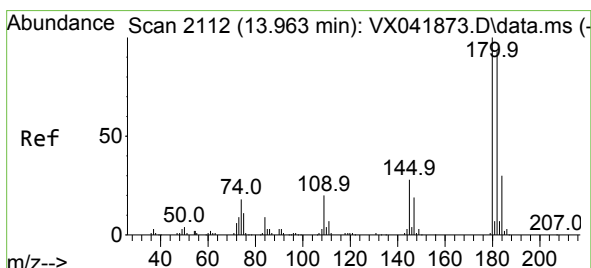
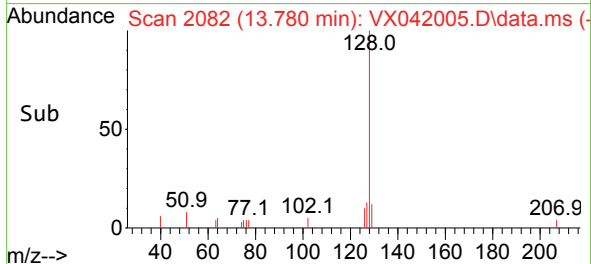
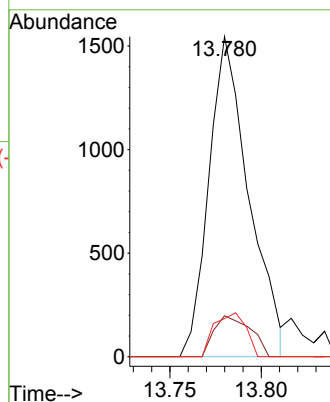
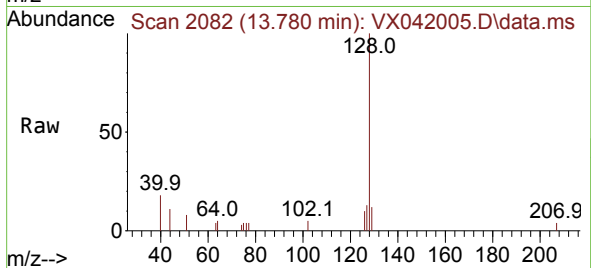
Acq: 24 Jun 2024 15:30

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:128	Resp:	2350
Ion Ratio	Lower	Upper
128	100	
127	11.7	10.4 15.6
129	10.9	8.7 13.1



#92

1,2,3-Trichlorobenzene

Concen: 0.245 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX042005.D

Acq: 24 Jun 2024 15:30

Tgt Ion:180	Resp:	717
Ion Ratio	Lower	Upper
180	100	
182	88.3	0.0 187.8
145	17.7	0.0 58.4

