

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061424\
 Data File : VX041881.D
 Acq On : 14 Jun 2024 16:35
 Operator : JC/MD
 Sample : VX0614WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 15 04:13:21 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)

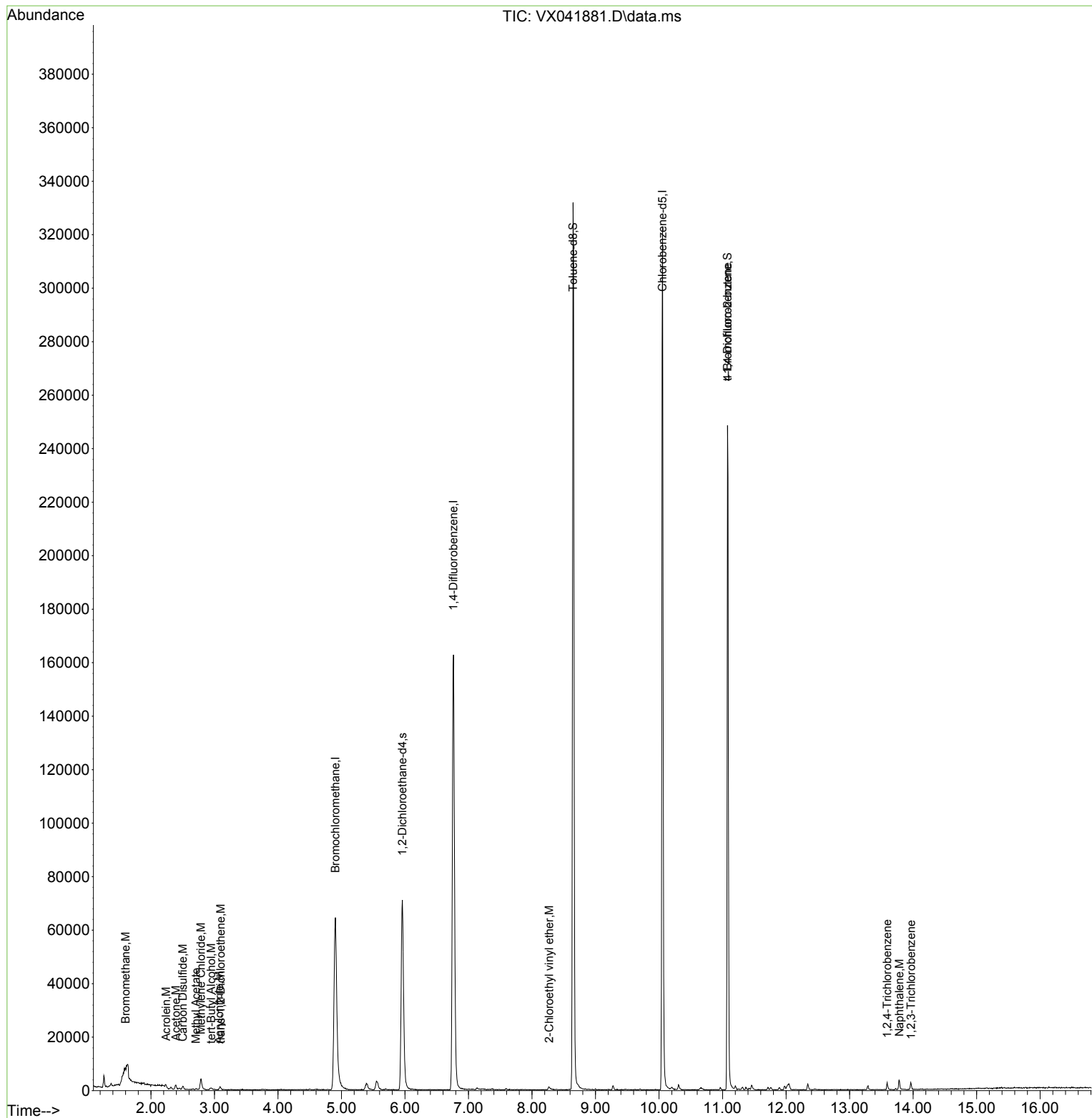
Internal Standards						
1) Bromochloromethane	4.904	128	32733	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	181153	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	160992	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	67146	29.799	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.333%
60) 4-Bromofluorobenzene	11.079	95	68426	27.458	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.533%
63) Toluene-d8	8.647	98	208963	30.338	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.133%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	661	0.534	ug/l #	72
12) Methyl Acetate	2.709	43	560	0.220	ug/l #	79
13) Acrolein	2.239	56	392	0.762	ug/l #	81
14) Acrylonitrile	3.075	53	353	0.292	ug/l #	65
15) Acetone	2.392	58	501	1.447	ug/l	73
16) Carbon Disulfide	2.502	76	1657	0.378	ug/l	95
18) Methylene Chloride	2.788	84	2403	1.047	ug/l	89
19) trans-1,2-Dichloroethene	3.099	96	413	0.206	ug/l #	75
23) tert-Butyl Alcohol	2.947	59	223	0.495	ug/l #	100
55) 2-Chloroethyl vinyl ether	8.269	63	675	0.452	ug/l #	79
77) t-1,4-Dichloro-2-butene	11.079	75	30219	32.449	ug/l #	7
89) 1,2,4-Trichlorobenzene	13.591	180	898	0.281	ug/l	98
91) Naphthalene	13.786	128	3512	0.363	ug/l #	94
92) 1,2,3-Trichlorobenzene	13.969	180	1044	0.315	ug/l	96

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

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Sample : VX0614WBL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

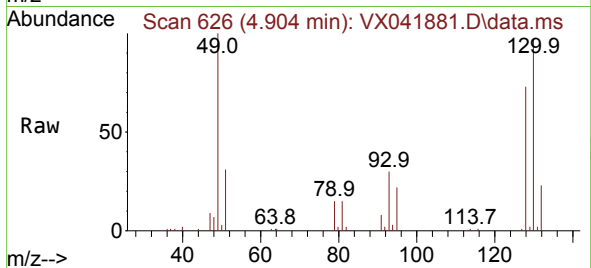
Quant Time: Jun 15 04:13:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 15 04:02:59 2024
Response via : Initial Calibration



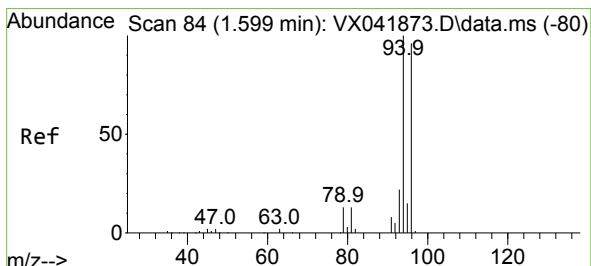
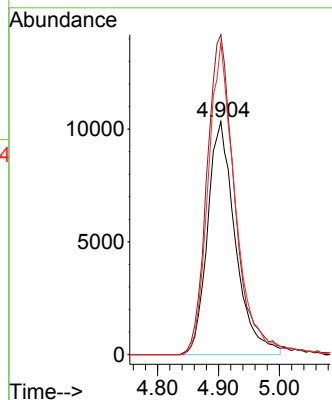
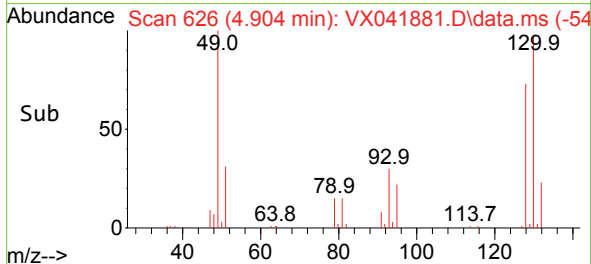


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX041881.D
Acq: 14 Jun 2024 16:35

Instrument :
MSVOA_X
ClientSampleId :

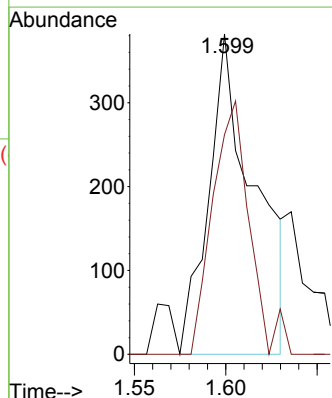
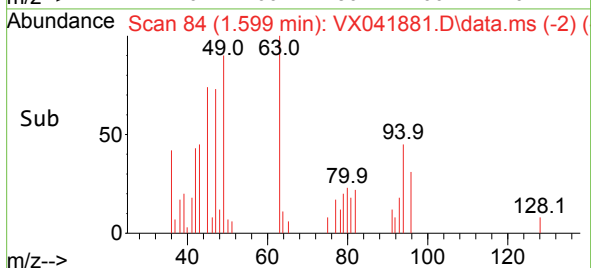
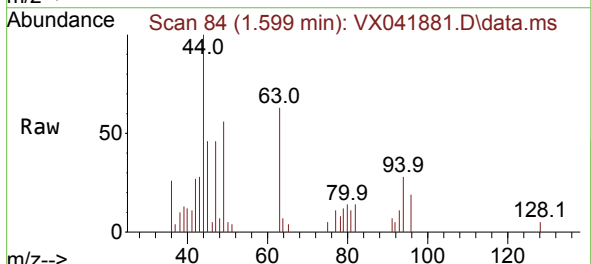


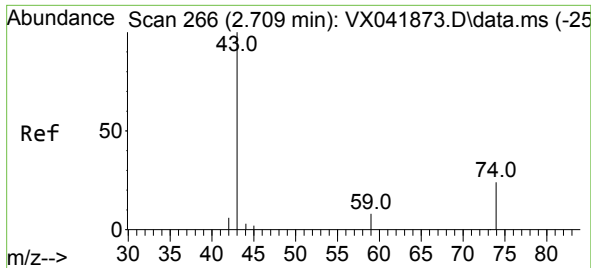
Tgt Ion:128 Resp: 32733
Ion Ratio Lower Upper
128 100
49 139.7 0.0 338.5
130 128.2 0.0 324.5



#5
Bromomethane
Concen: 0.534 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041881.D
Acq: 14 Jun 2024 16:35

Tgt Ion: 94 Resp: 661
Ion Ratio Lower Upper
94 100
96 68.6 76.6 115.0#

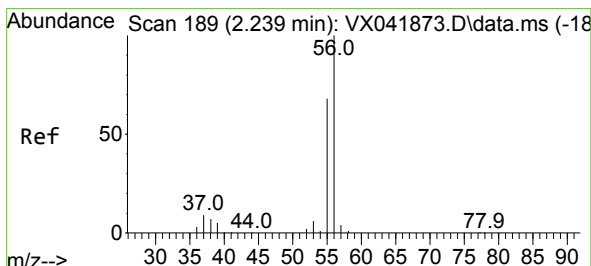
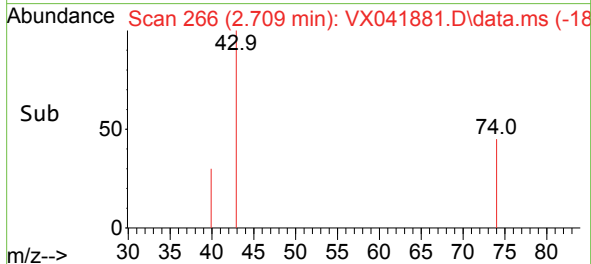
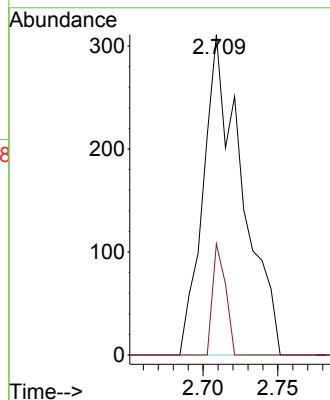
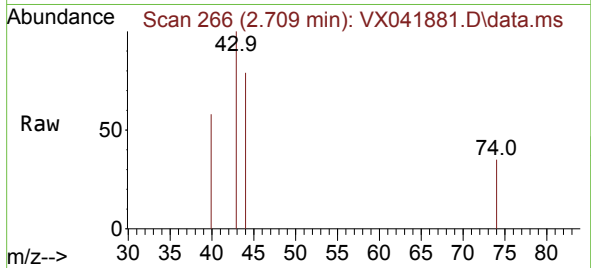




#12
Methyl Acetate
Concen: 0.220 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX041881.D
Acq: 14 Jun 2024 16:35

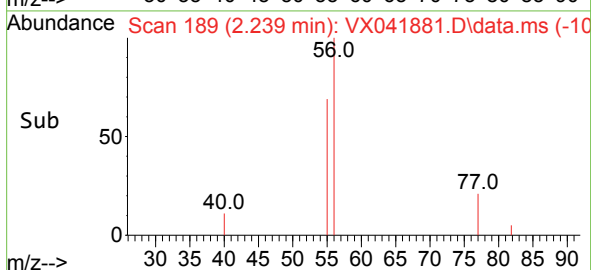
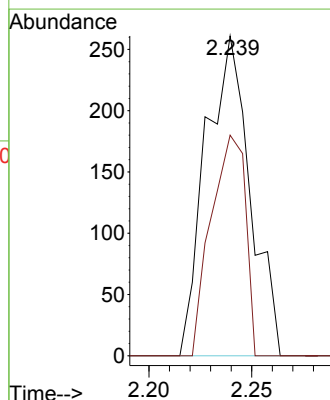
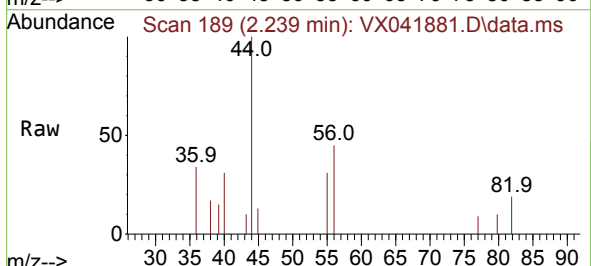
Instrument :
MSVOA_X
ClientSampleId :

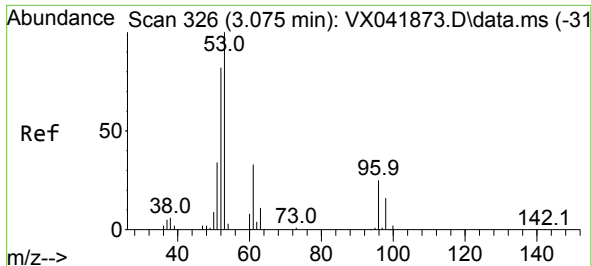
Tgt Ion: 43 Resp: 560
Ion Ratio Lower Upper
43 100
74 34.7 19.4 29.2#



#13
Acrolein
Concen: 0.762 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX041881.D
Acq: 14 Jun 2024 16:35

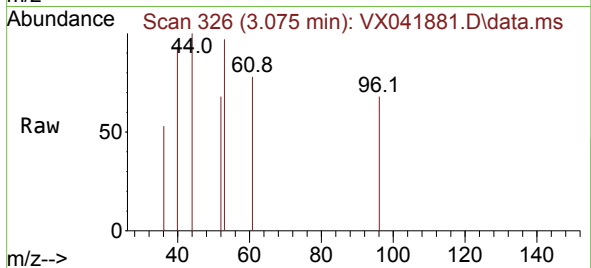
Tgt Ion: 56 Resp: 392
Ion Ratio Lower Upper
56 100
55 53.3 55.4 83.0#



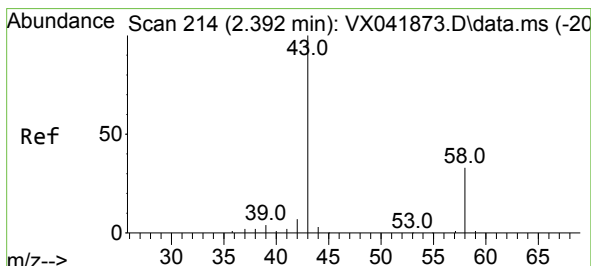
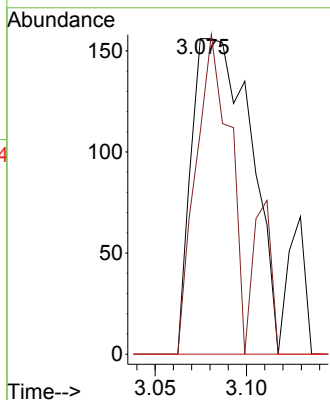
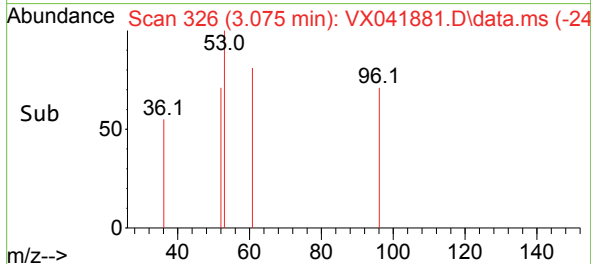


#14
Acrylonitrile
Concen: 0.292 ug/l
RT: 3.075 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX041881.D
Acq: 14 Jun 2024 16:35

Instrument :
MSVOA_X
ClientSampleId :

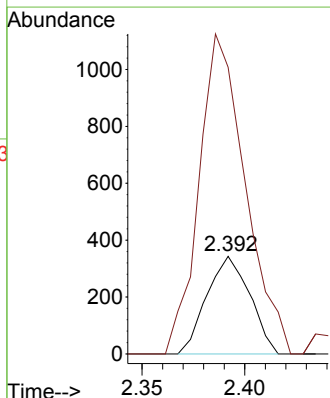
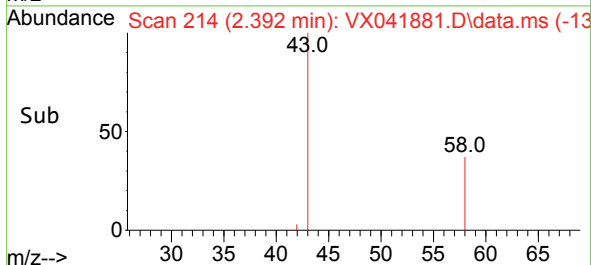
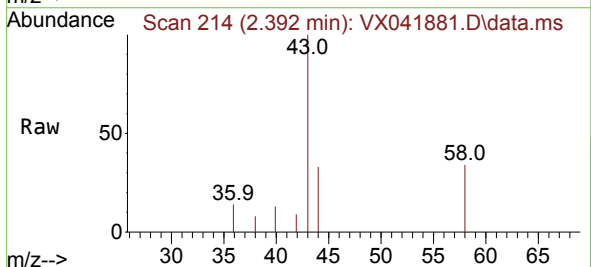


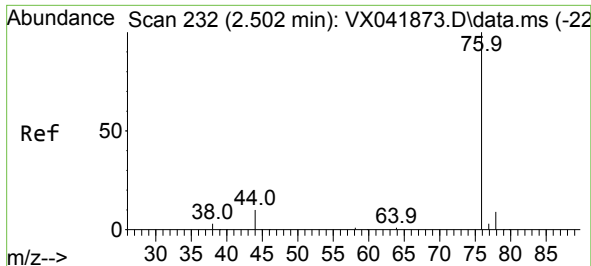
Tgt Ion: 53 Resp: 353
Ion Ratio Lower Upper
53 100
52 58.1 39.9 119.7
51 0.0 17.4 52.3#



#15
Acetone
Concen: 1.447 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX041881.D
Acq: 14 Jun 2024 16:35

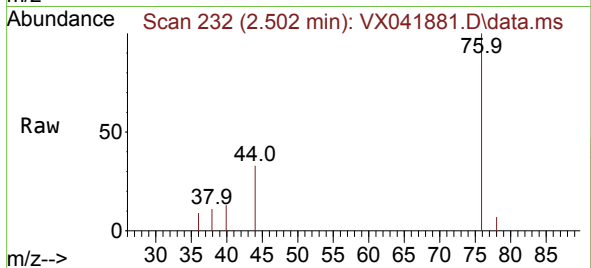
Tgt Ion: 58 Resp: 501
Ion Ratio Lower Upper
58 100
43 251.0 243.4 365.2



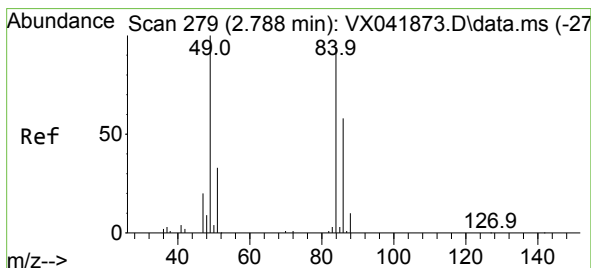
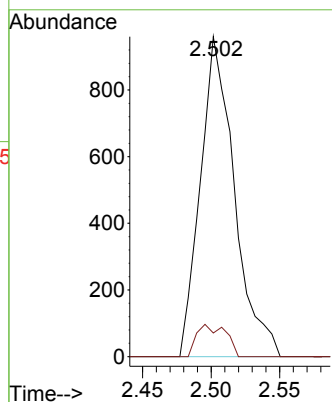
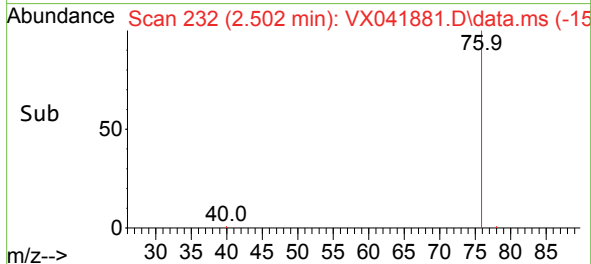


#16
Carbon Disulfide
Concen: 0.378 ug/l
RT: 2.502 min Scan# 216
Delta R.T. 0.000 min
Lab File: VX041881.D
Acq: 14 Jun 2024 16:35

Instrument :
MSVOA_X
ClientSampleId :

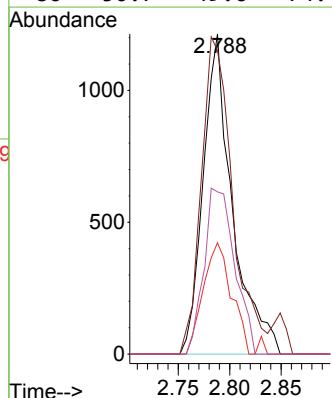
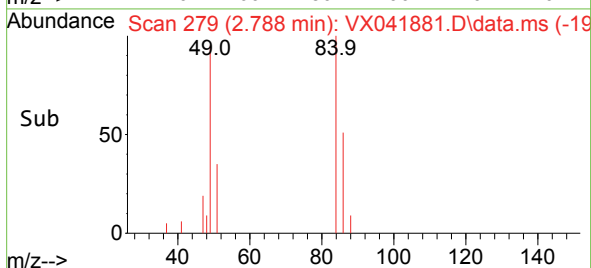
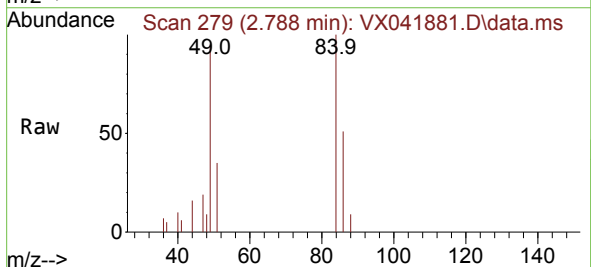


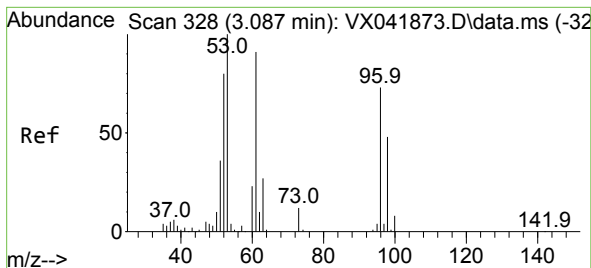
Tgt Ion: 76 Resp: 1657
Ion Ratio Lower Upper
76 100
78 7.4 7.3 10.9



#18
Methylene Chloride
Concen: 1.047 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX041881.D
Acq: 14 Jun 2024 16:35

Tgt Ion: 84 Resp: 2403
Ion Ratio Lower Upper
84 100
49 94.8 85.3 127.9
51 34.8 28.5 42.7
86 50.7 49.6 74.4





#19

trans-1,2-Dichloroethene

Concen: 0.206 ug/l

RT: 3.099 min Scan# 31

Delta R.T. 0.012 min

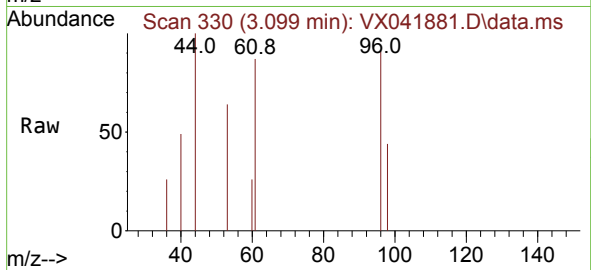
Lab File: VX041881.D

Acq: 14 Jun 2024 16:35

Instrument :

MSVOA_X

ClientSampleId :



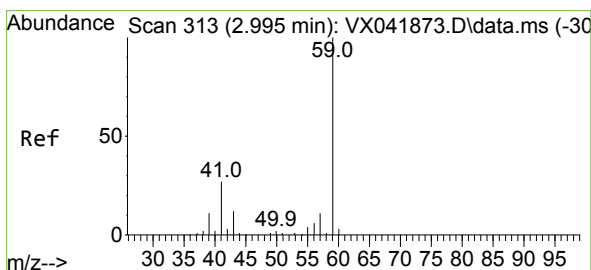
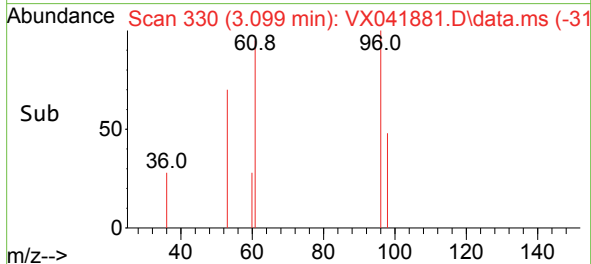
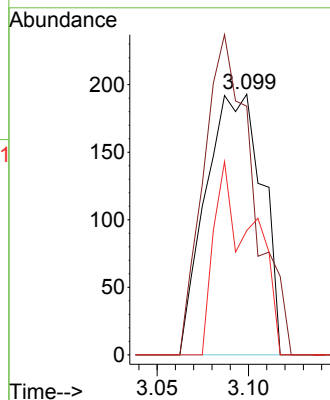
Tgt Ion: 96 Resp: 413

Ion Ratio Lower Upper

96 100

61 95.3 100.1 150.1#

98 47.7 52.1 78.1#



#23

tert-Butyl Alcohol

Concen: 0.495 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.049 min

Lab File: VX041881.D

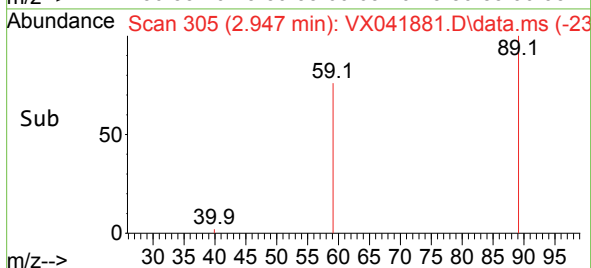
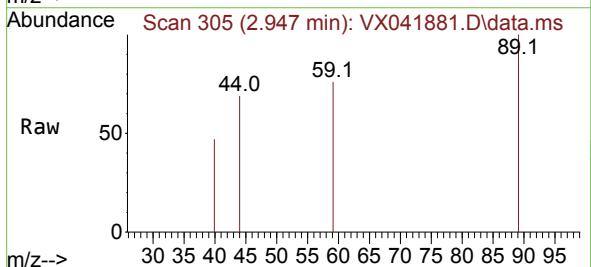
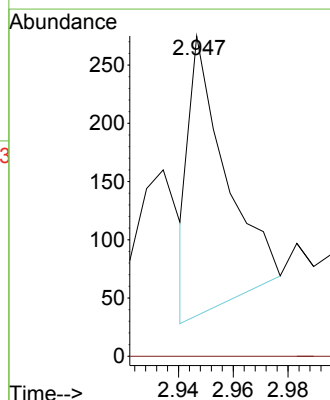
Acq: 14 Jun 2024 16:35

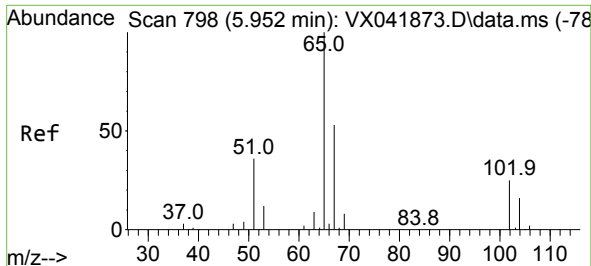
Tgt Ion: 59 Resp: 223

Ion Ratio Lower Upper

59 100

52 91.9 0.0 0.0#





#27

1,2-Dichloroethane-d4

Concen: 29.799 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX041881.D

Acq: 14 Jun 2024 16:35

Instrument :

MSVOA_X

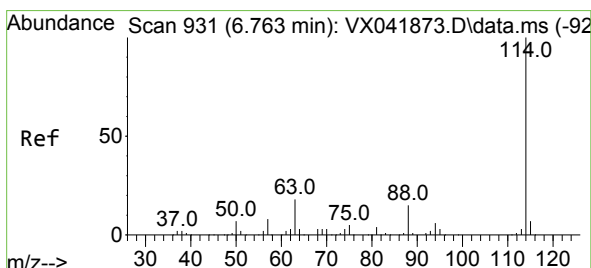
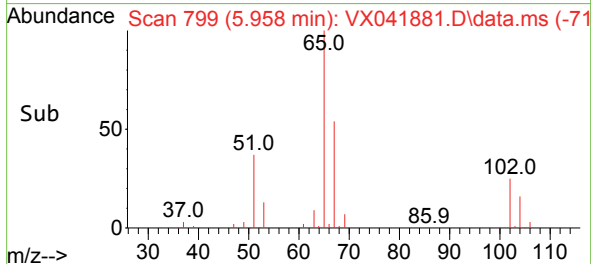
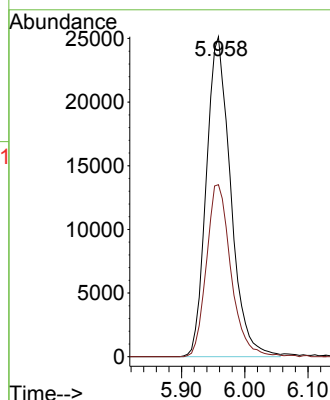
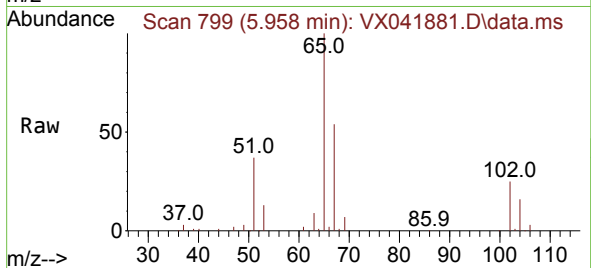
ClientSampleId :

Tgt Ion: 65 Resp: 67146

Ion Ratio Lower Upper

65 100

67 53.9 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: VX041881.D

Acq: 14 Jun 2024 16:35

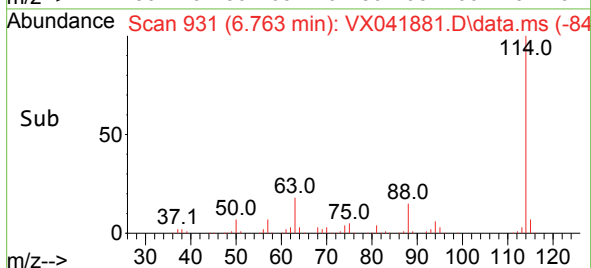
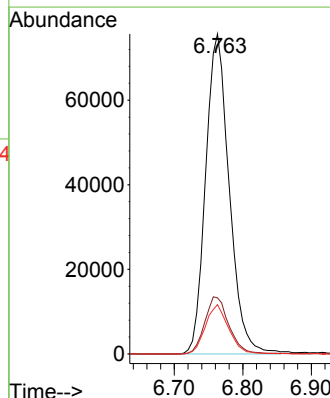
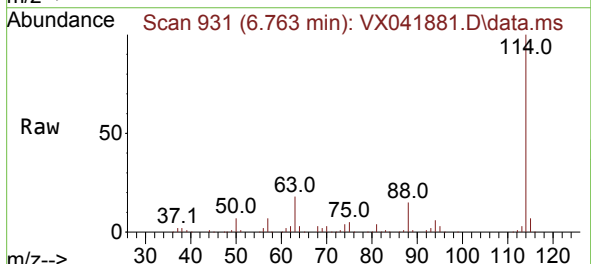
Tgt Ion: 114 Resp: 181153

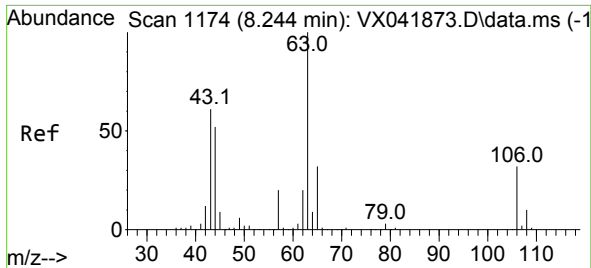
Ion Ratio Lower Upper

114 100

63 18.2 14.6 21.8

88 15.2 11.8 17.8

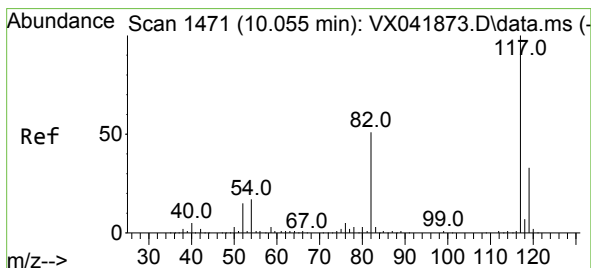
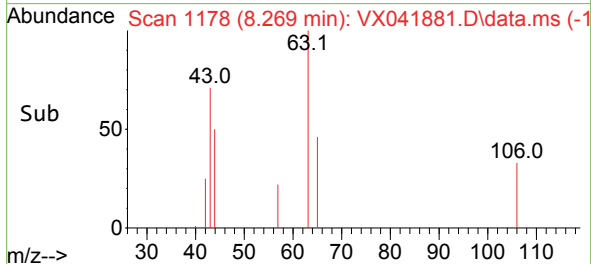
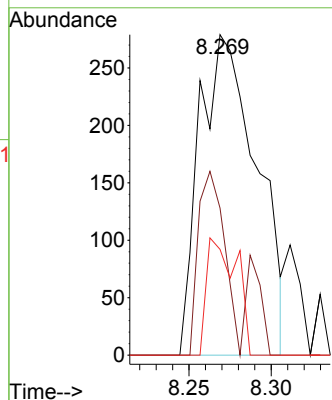
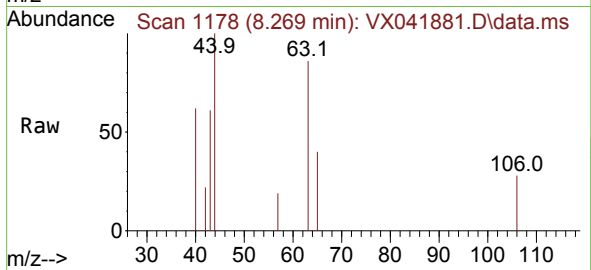




#55
2-Chloroethyl vinyl ether
Concen: 0.452 ug/l
RT: 8.269 min Scan# 1178
Delta R.T. 0.024 min
Lab File: VX041881.D
Acq: 14 Jun 2024 16:35

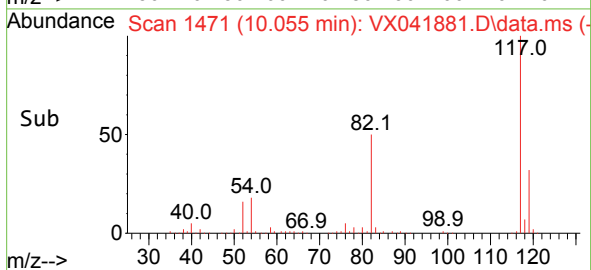
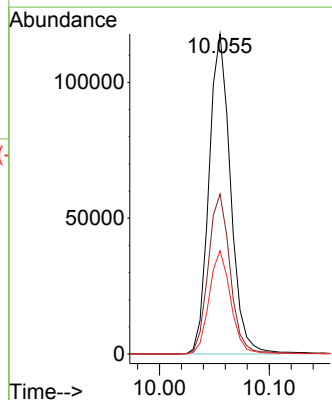
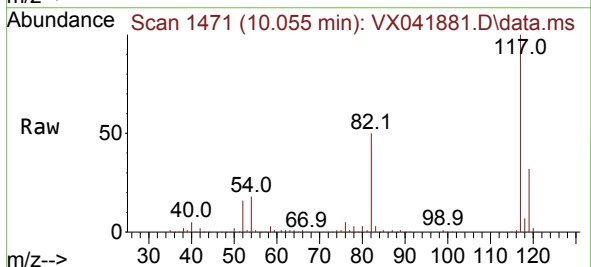
Instrument :
MSVOA_X
ClientSampleId :

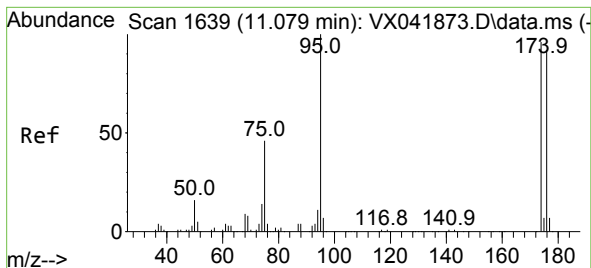
Tgt Ion: 63 Resp: 675
Ion Ratio Lower Upper
63 100
65 26.2 25.7 38.5
106 14.1 25.3 37.9#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041881.D
Acq: 14 Jun 2024 16:35

Tgt Ion: 117 Resp: 160992
Ion Ratio Lower Upper
117 100
82 51.0 41.1 61.7
119 32.4 26.1 39.1

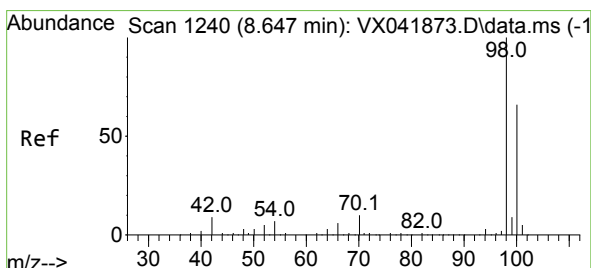
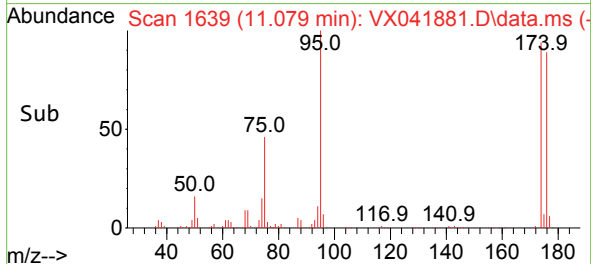
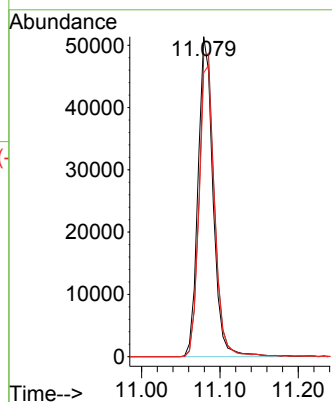
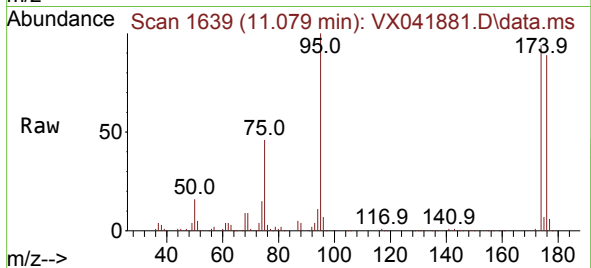




#60
4-Bromofluorobenzene
Concen: 27.458 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041881.D
Acq: 14 Jun 2024 16:35

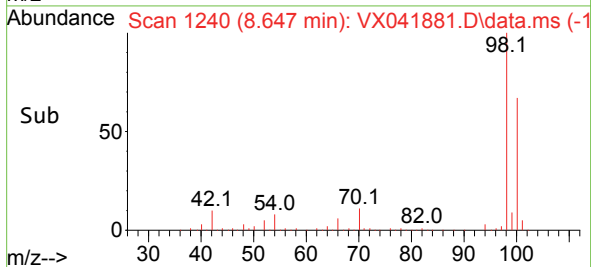
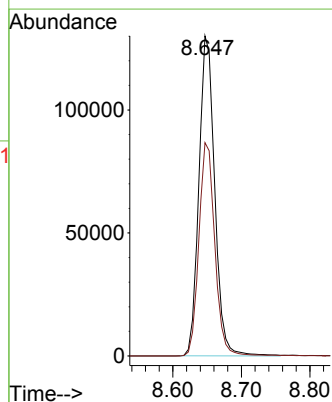
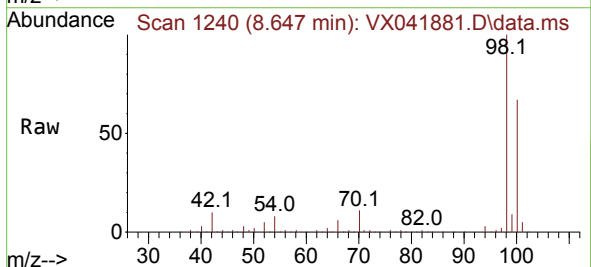
Instrument :
MSVOA_X
ClientSampleId :

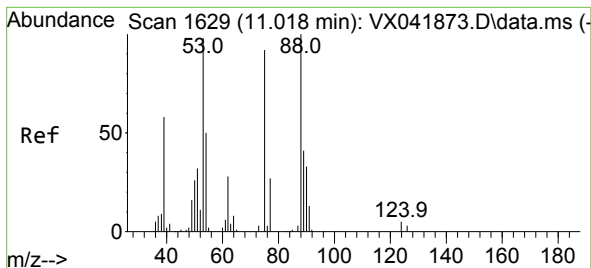
Tgt Ion: 95 Resp: 68426
Ion Ratio Lower Upper
95 100
174 97.4 78.9 118.3
176 92.8 77.1 115.7



#63
Toluene-d8
Concen: 30.338 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041881.D
Acq: 14 Jun 2024 16:35

Tgt Ion: 98 Resp: 208963
Ion Ratio Lower Upper
98 100
100 67.1 52.7 79.1

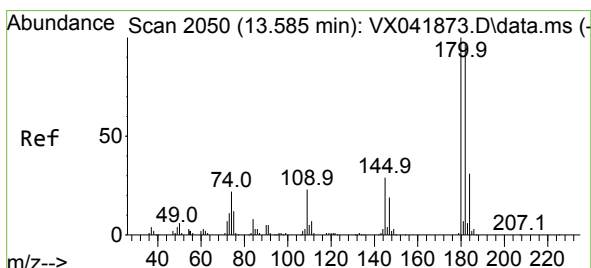
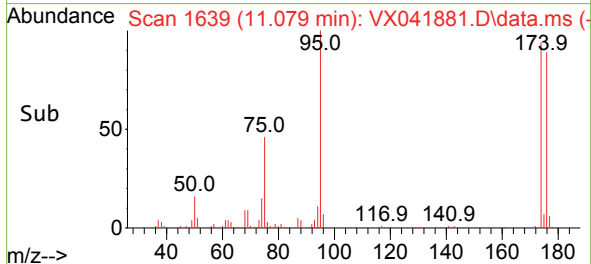
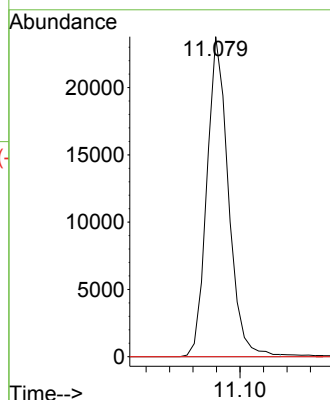
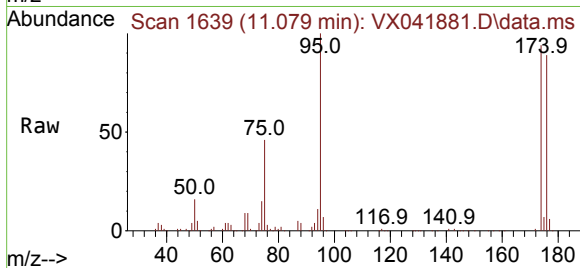




#77
 t-1,4-Dichloro-2-butene
 Concen: 32.449 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX041881.D
 Acq: 14 Jun 2024 16:35

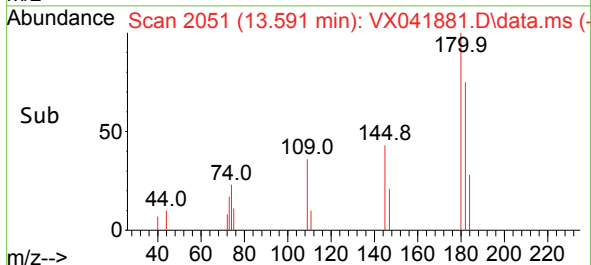
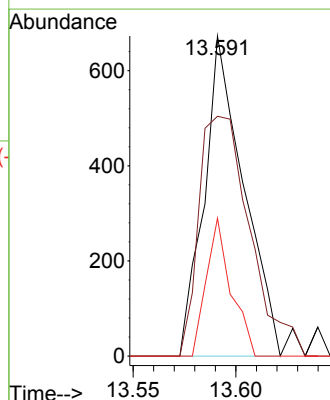
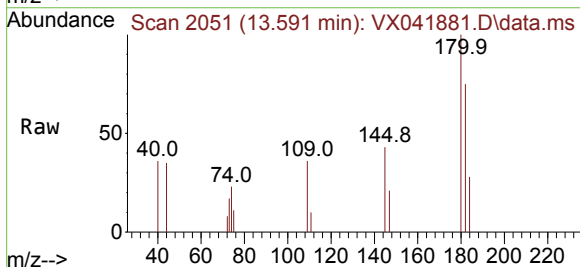
Instrument :
 MSVOA_X
 ClientSampleId :

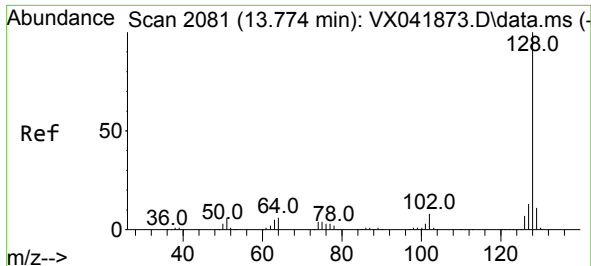
Tgt Ion: 75 Resp: 30219
 Ion Ratio Lower Upper
 75 100
 53 0.0 53.4 160.2#
 89 0.0 22.5 67.5#



#89
 1,2,4-Trichlorobenzene
 Concen: 0.281 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.006 min
 Lab File: VX041881.D
 Acq: 14 Jun 2024 16:35

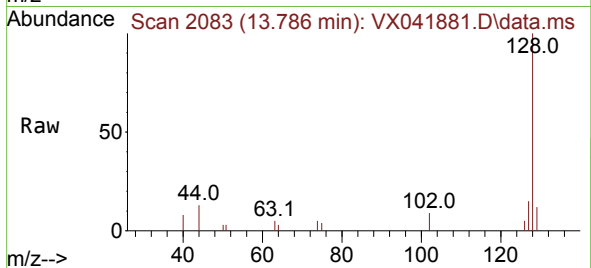
Tgt Ion:180 Resp: 898
 Ion Ratio Lower Upper
 180 100
 182 94.7 76.9 115.3
 145 26.9 22.8 34.2



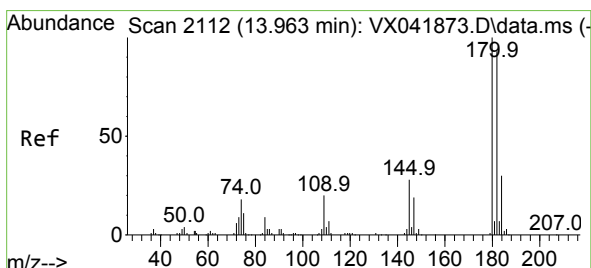
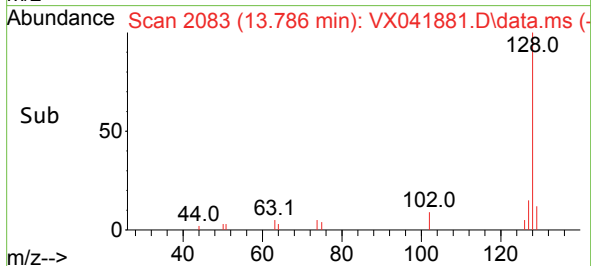
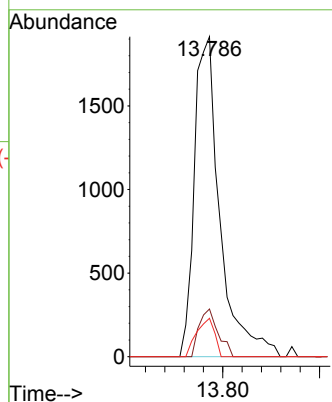


#91
Naphthalene
Concen: 0.363 ug/l
RT: 13.786 min Scan# 2081
Delta R.T. 0.012 min
Lab File: VX041881.D
Acq: 14 Jun 2024 16:35

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 3512
Ion Ratio Lower Upper
128 100
127 11.1 10.4 15.6
129 8.5 8.7 13.1#



#92
1,2,3-Trichlorobenzene
Concen: 0.315 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.006 min
Lab File: VX041881.D
Acq: 14 Jun 2024 16:35

Tgt Ion:180 Resp: 1044
Ion Ratio Lower Upper
180 100
182 95.8 0.0 187.8
145 22.5 0.0 58.4

