

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060724\
 Data File : VX041789.D
 Acq On : 07 Jun 2024 14:37
 Operator : JC/MD
 Sample : P2777-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 08 04:06:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 16 05:13:13 2024
 Response via : Initial Calibration

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

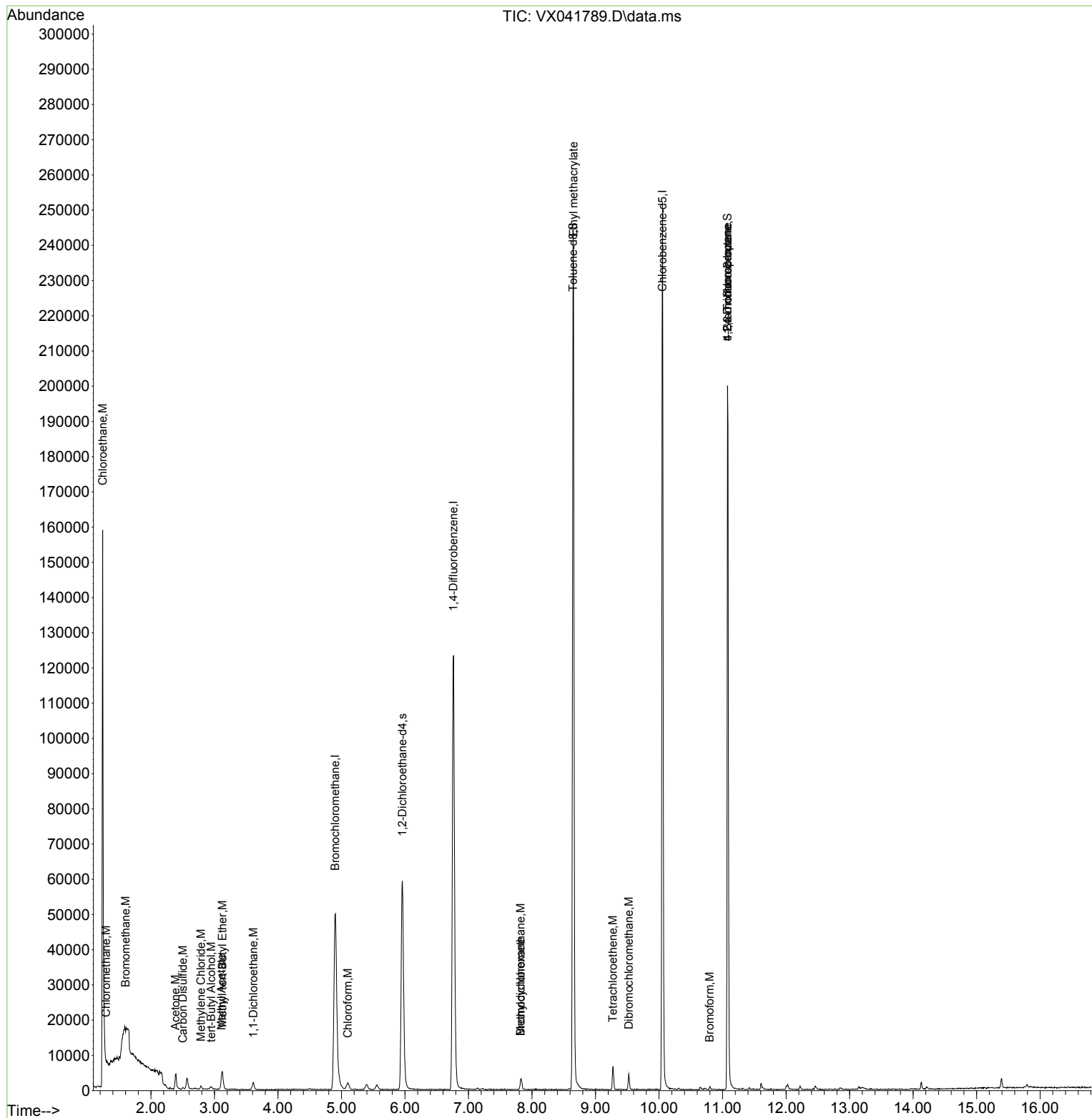
Internal Standards						
1) Bromochloromethane	4.897	128	23280	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	132229	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	118817	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	59510	32.461	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	108.200%
60) 4-Bromofluorobenzene	11.079	95	50897	27.440	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.467%
63) Toluene-d8	8.647	98	148519	29.160	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	316	0.237	ug/l #	42
5) Bromomethane	1.599	94	204	0.228	ug/l #	70
6) Chloroethane	1.240	64	111704	157.382	ug/l #	48
12) Methyl Acetate	3.111	43	575	0.321	ug/l	92
15) Acetone	2.386	58	1257	5.949	ug/l	89
16) Carbon Disulfide	2.502	76	790	0.294	ug/l #	74
18) Methylene Chloride	2.788	84	369	0.260	ug/l #	61
21) 1,1-Dichloroethane	3.611	63	2453	0.984	ug/l	97
23) tert-Butyl Alcohol	2.947	59	297	0.887	ug/l #	100
24) Methyl tert-Butyl Ether	3.123	73	5444	1.224	ug/l #	81
25) Chloroform	5.099	83	2502	0.942	ug/l	89
38) Methylcyclohexane	7.818	83	2373	1.068	ug/l #	18
41) Bromodichloromethane	7.818	83	2501	1.296	ug/l #	88
51) Ethyl methacrylate	8.653	69	485	0.211	ug/l	93
53) Dibromochloromethane	9.525	129	2130	1.309	ug/l	92
56) Bromoform	10.799	173	366	0.281	ug/l #	80
61) Tetrachloroethene	9.275	164	1420	0.977	ug/l	92
72) 1,2,3-Trichloropropane	11.079	75	25974	12.840	ug/l	38
77) t-1,4-Dichloro-2-butene	11.079	75	25974	40.850	ug/l #	1

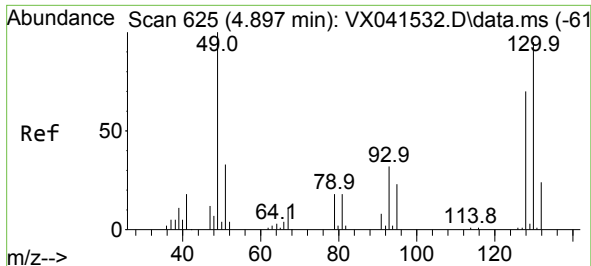
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060724\
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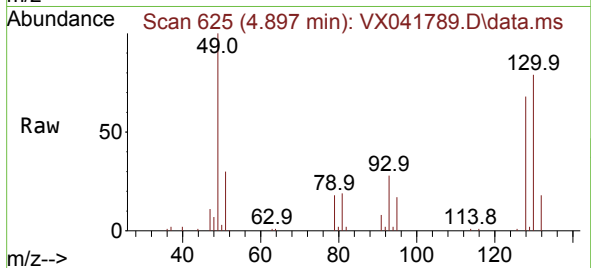
Quant Time: Jun 08 04:06:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 16 05:13:13 2024
Response via : Initial Calibration



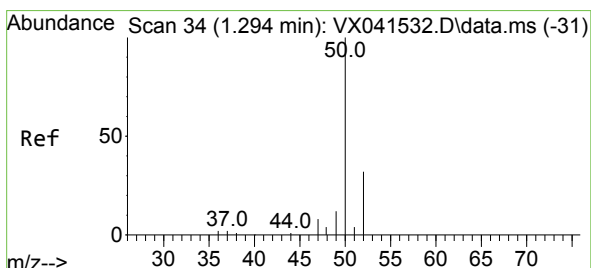
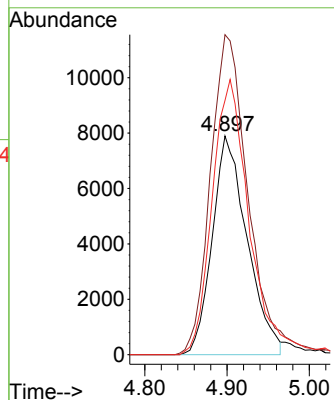
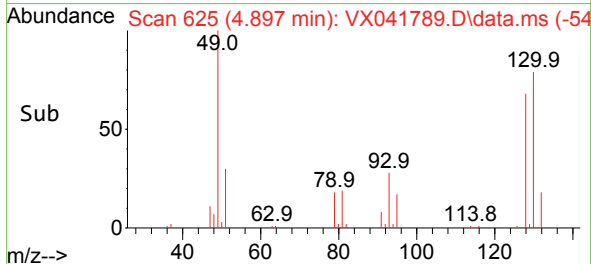


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX041789.D
Acq: 07 Jun 2024 14:37

Instrument :
MSVOA_X
ClientSampleId :

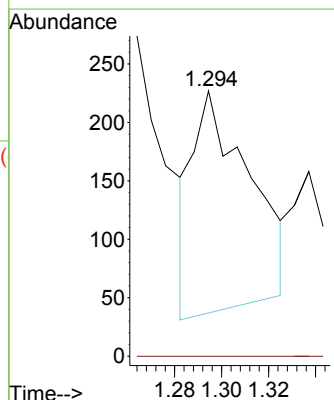
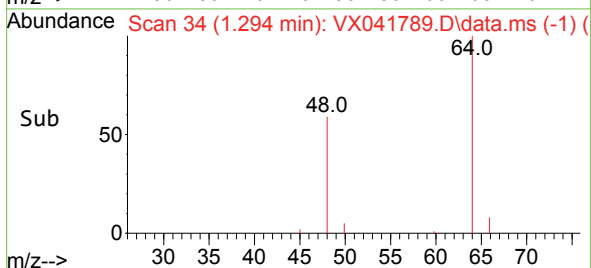
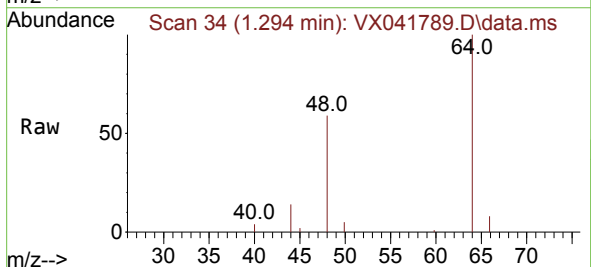


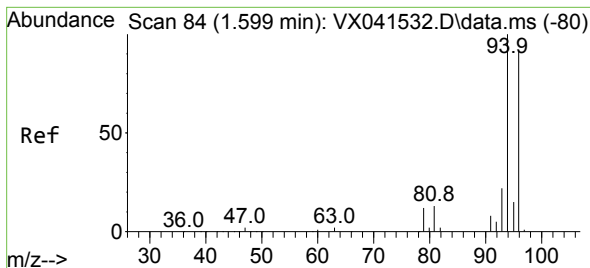
Tgt Ion:128 Resp: 23280
Ion Ratio Lower Upper
128 100
49 159.6 0.0 361.5
130 133.6 0.0 324.3



#3
Chloromethane
Concen: 0.237 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX041789.D
Acq: 07 Jun 2024 14:37

Tgt Ion: 50 Resp: 316
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#





#5

Bromomethane

Concen: 0.228 ug/l

RT: 1.599 min Scan# 84

Delta R.T. 0.000 min

Lab File: VX041789.D

Acq: 07 Jun 2024 14:37

Instrument :

MSVOA_X

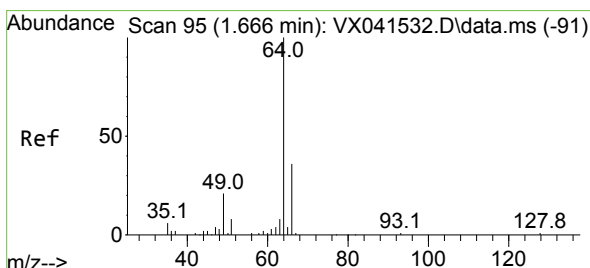
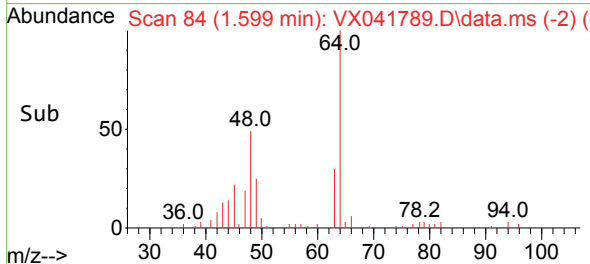
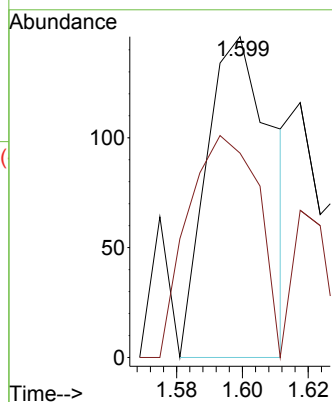
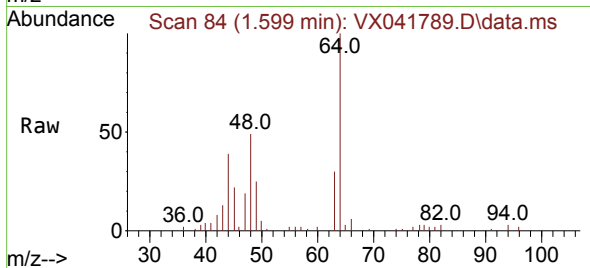
ClientSampleId :

Tgt Ion: 94 Resp: 204

Ion Ratio Lower Upper

94 100

96 63.7 73.9 110.9#



#6

Chloroethane

Concen: 157.382 ug/l

RT: 1.240 min Scan# 25

Delta R.T. -0.427 min

Lab File: VX041789.D

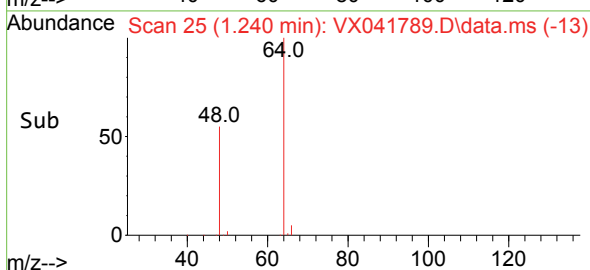
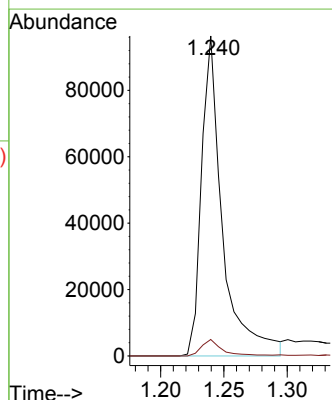
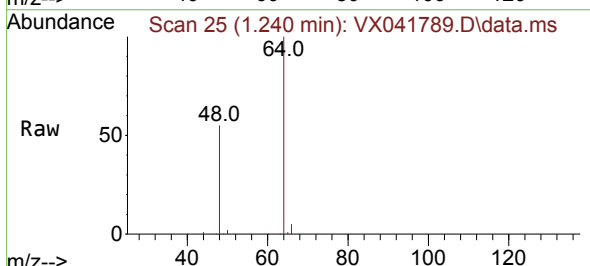
Acq: 07 Jun 2024 14:37

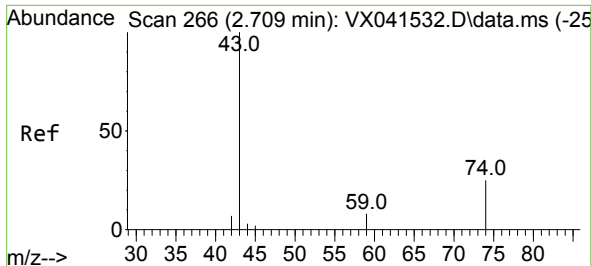
Tgt Ion: 64 Resp: 111704

Ion Ratio Lower Upper

64 100

66 5.2 28.6 42.8#

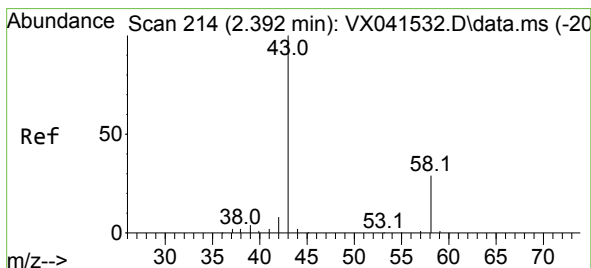
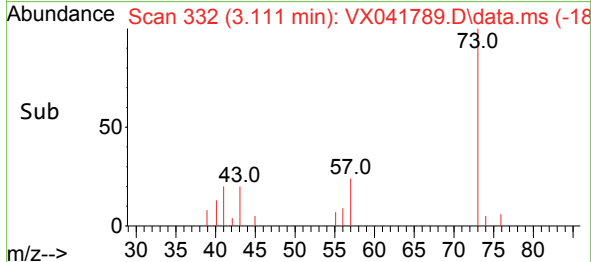
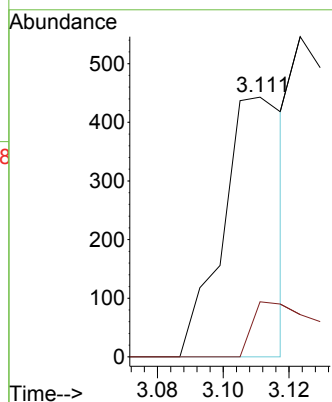
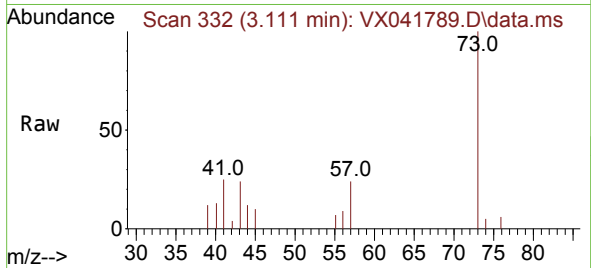




#12
Methyl Acetate
Concen: 0.321 ug/l
RT: 3.111 min Scan# 31
Delta R.T. 0.402 min
Lab File: VX041789.D
Acq: 07 Jun 2024 14:37

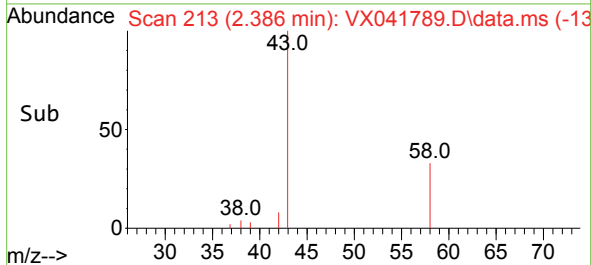
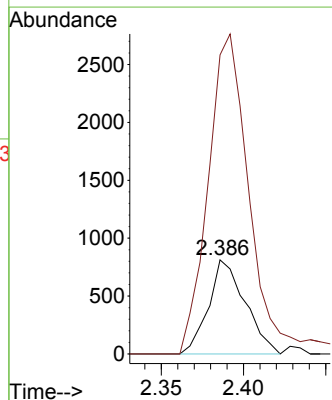
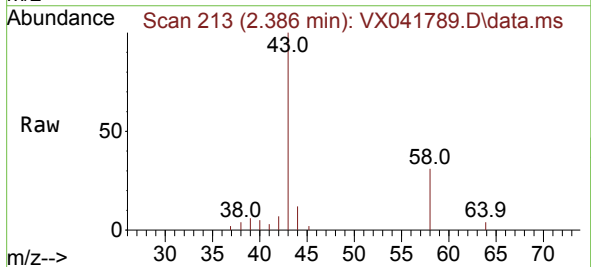
Instrument :
MSVOA_X
ClientSampleId :

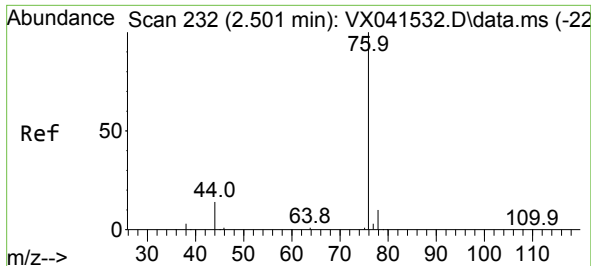
Tgt Ion: 43 Resp: 575
Ion Ratio Lower Upper
43 100
74 20.9 19.9 29.9



#15
Acetone
Concen: 5.949 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX041789.D
Acq: 07 Jun 2024 14:37

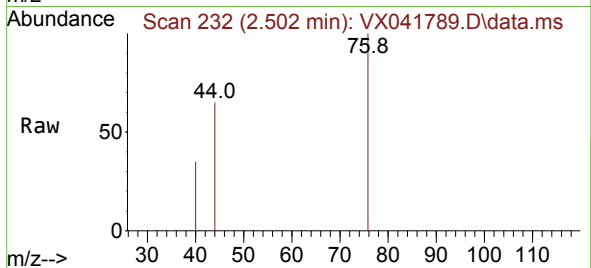
Tgt Ion: 58 Resp: 1257
Ion Ratio Lower Upper
58 100
43 318.1 274.0 411.0



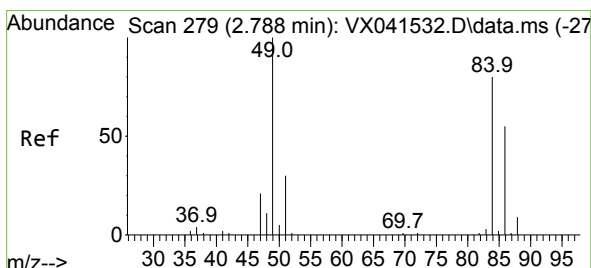
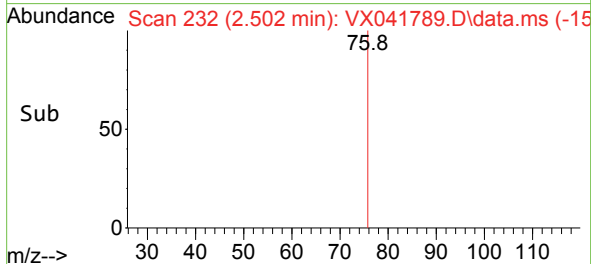
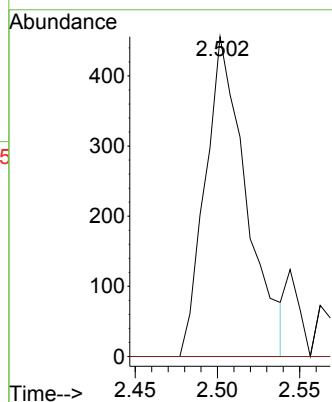


#16
Carbon Disulfide
Concen: 0.294 ug/l
RT: 2.502 min Scan# 216
Delta R.T. 0.000 min
Lab File: VX041789.D
Acq: 07 Jun 2024 14:37

Instrument :
MSVOA_X
ClientSampleId :

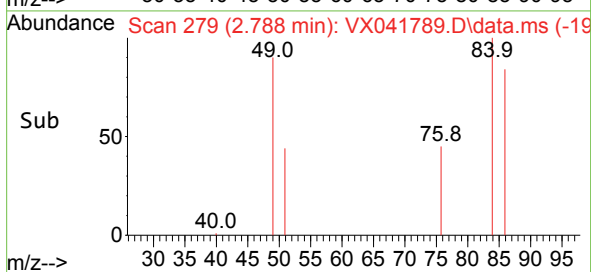
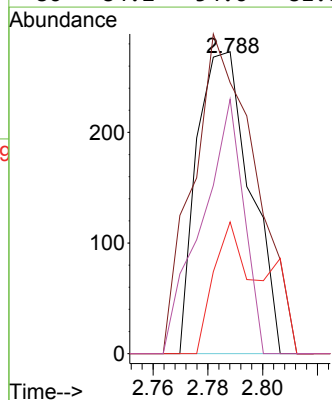
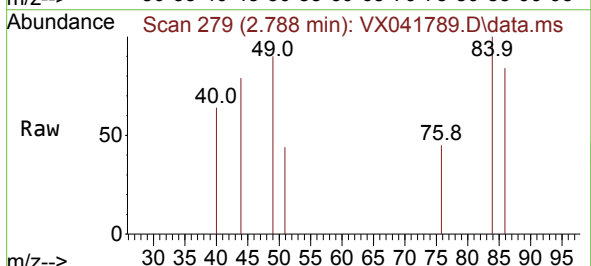


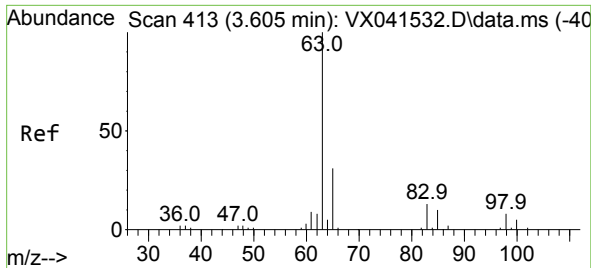
Tgt Ion: 76 Resp: 790
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#18
Methylene Chloride
Concen: 0.260 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX041789.D
Acq: 07 Jun 2024 14:37

Tgt Ion: 84 Resp: 369
Ion Ratio Lower Upper
84 100
49 58.6 99.8 149.8#
51 43.6 30.2 45.4
86 84.2 54.6 81.8#





#21

1,1-Dichloroethane

Concen: 0.984 ug/l

RT: 3.611 min Scan# 41

Delta R.T. 0.006 min

Lab File: VX041789.D

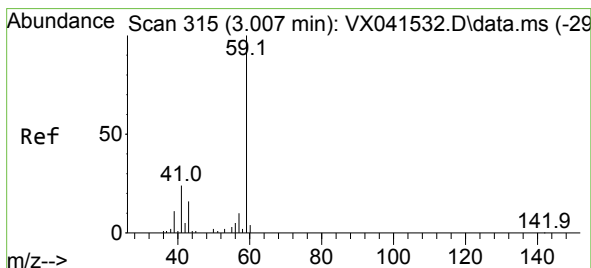
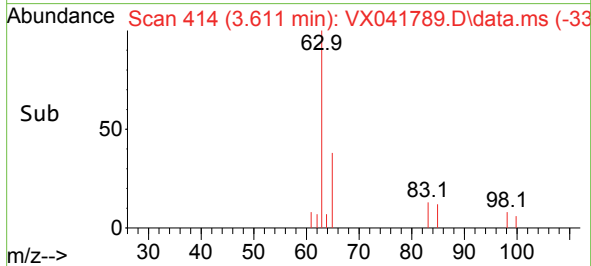
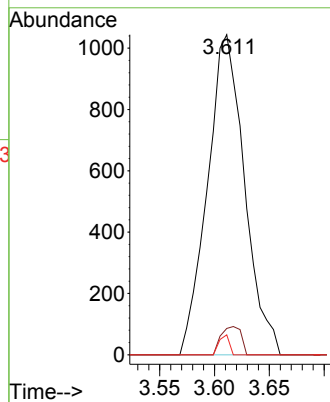
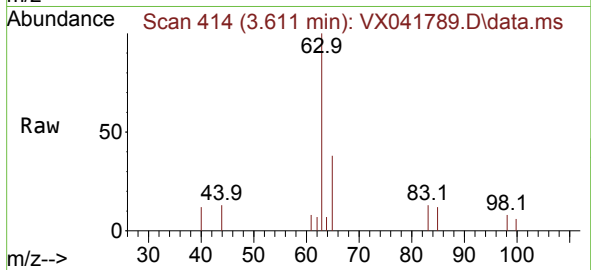
Acq: 07 Jun 2024 14:37

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 63	Resp: 2453
Ion Ratio	Lower Upper
63 100	
98 8.2	3.8 11.4
100 6.2	2.5 7.4



#23

tert-Butyl Alcohol

Concen: 0.887 ug/l

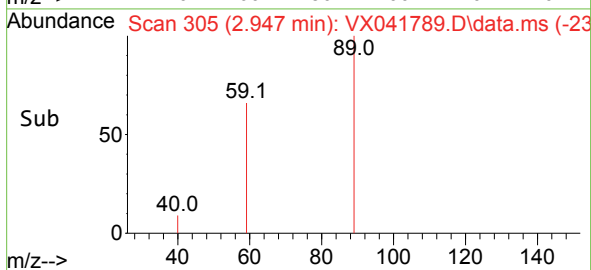
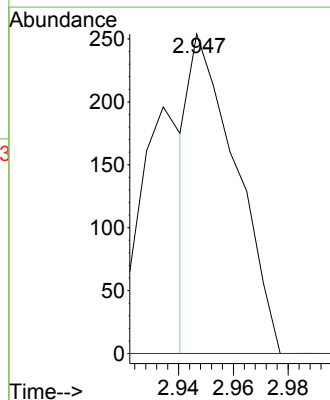
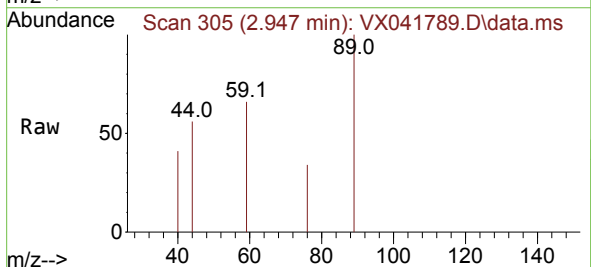
RT: 2.947 min Scan# 305

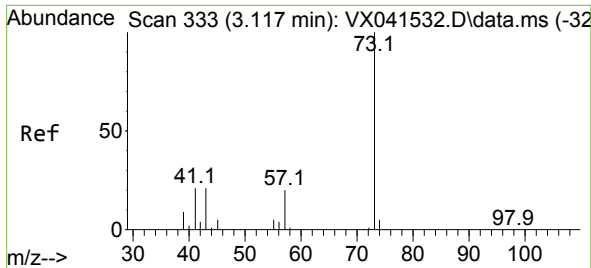
Delta R.T. -0.061 min

Lab File: VX041789.D

Acq: 07 Jun 2024 14:37

Tgt Ion: 59	Resp: 297
Ion Ratio	Lower Upper
59 100	
52 0.0	0.0 0.0

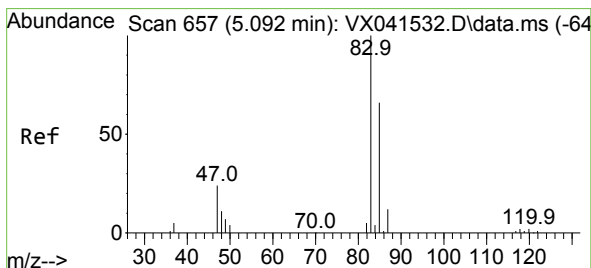
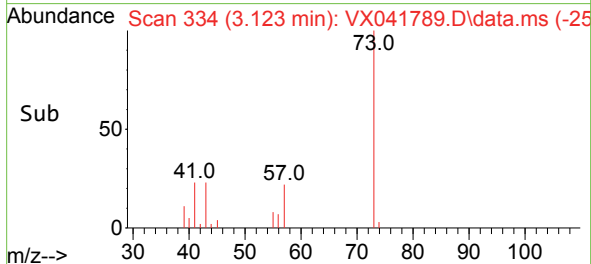
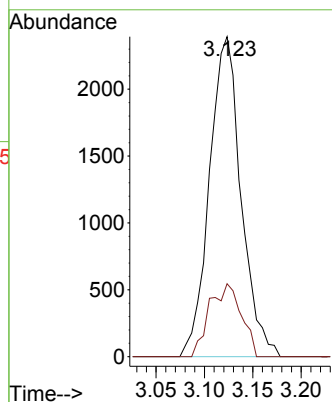
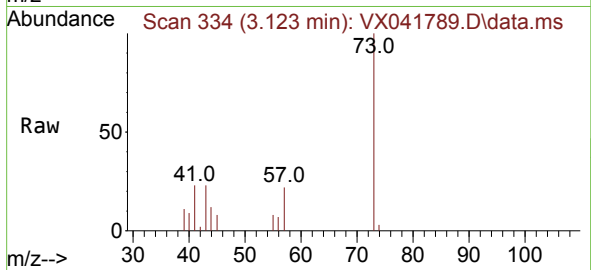




#24
Methyl tert-Butyl Ether
Concen: 1.224 ug/l
RT: 3.123 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX041789.D
Acq: 07 Jun 2024 14:37

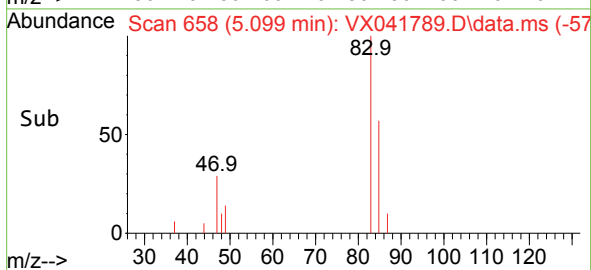
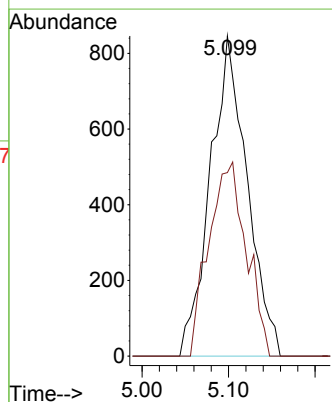
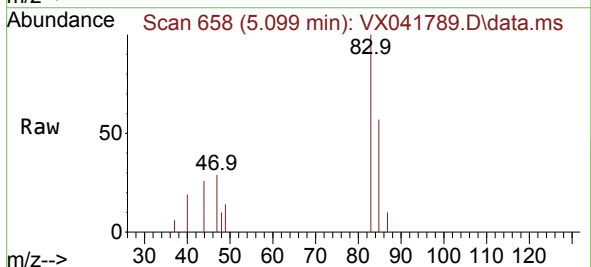
Instrument :
MSVOA_X
ClientSampleId :

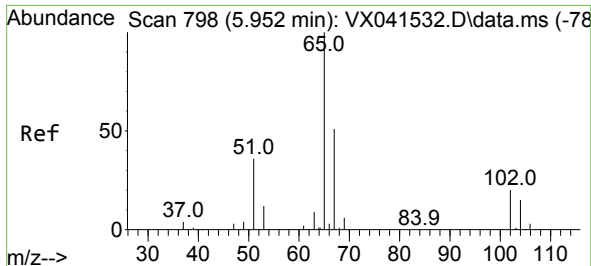
Tgt Ion: 73 Resp: 5444
Ion Ratio Lower Upper
73 100
43 12.3 17.2 25.8#



#25
Chloroform
Concen: 0.942 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.006 min
Lab File: VX041789.D
Acq: 07 Jun 2024 14:37

Tgt Ion: 83 Resp: 2502
Ion Ratio Lower Upper
83 100
85 57.3 52.9 79.3





#27

1,2-Dichloroethane-d4

Concen: 32.461 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX041789.D

Acq: 07 Jun 2024 14:37

Instrument :

MSVOA_X

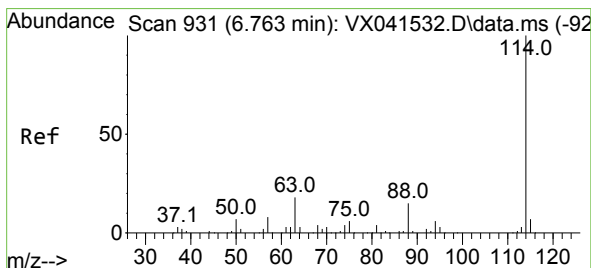
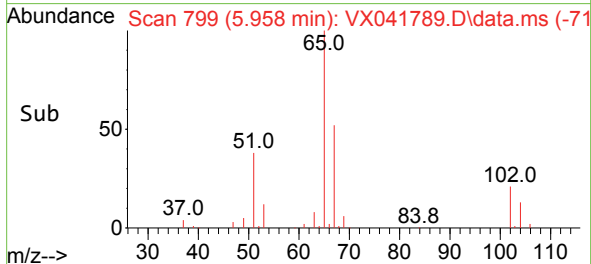
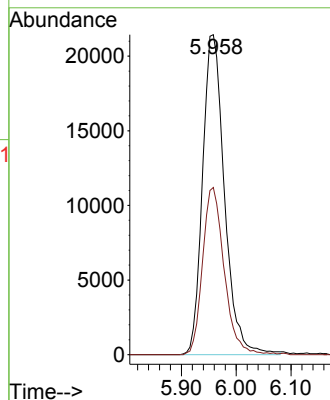
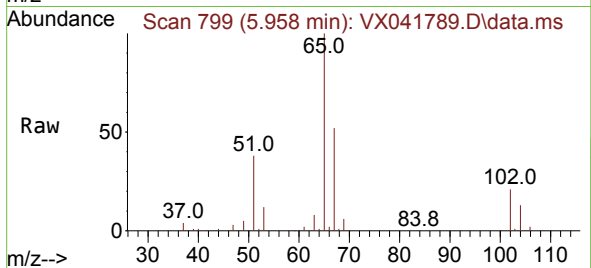
ClientSampleId :

Tgt Ion: 65 Resp: 59510

Ion Ratio Lower Upper

65 100

67 51.5 40.8 61.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX041789.D

Acq: 07 Jun 2024 14:37

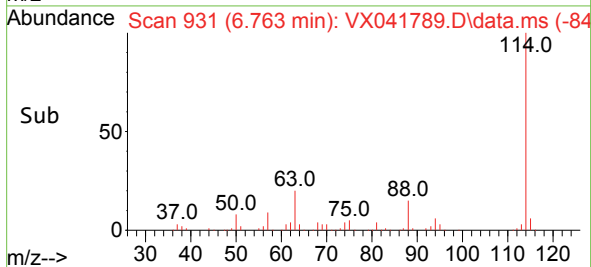
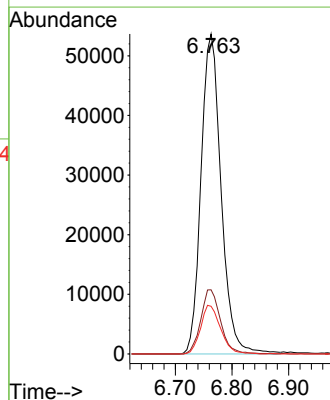
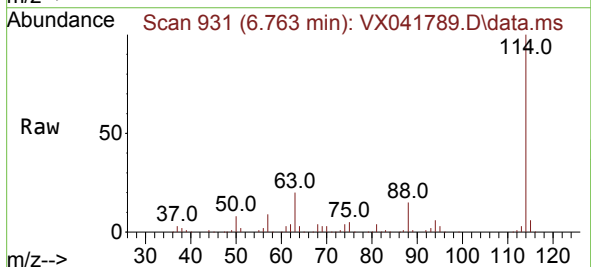
Tgt Ion: 114 Resp: 132229

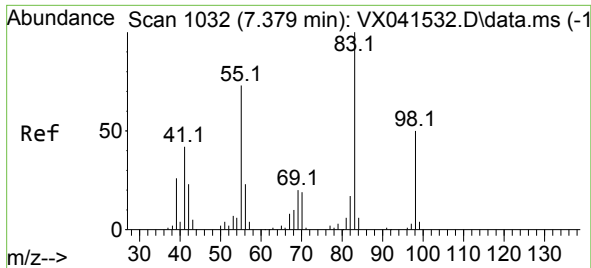
Ion Ratio Lower Upper

114 100

63 19.6 15.4 23.0

88 15.1 12.2 18.2

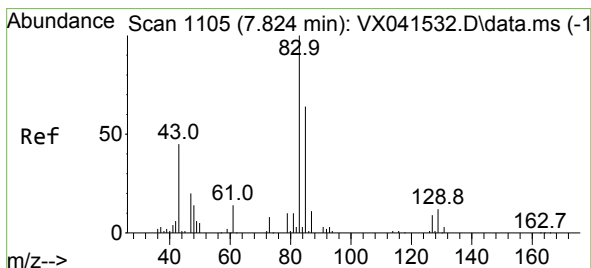
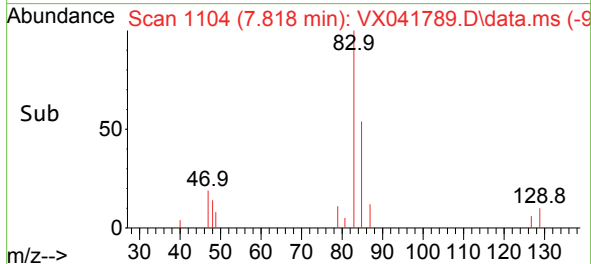
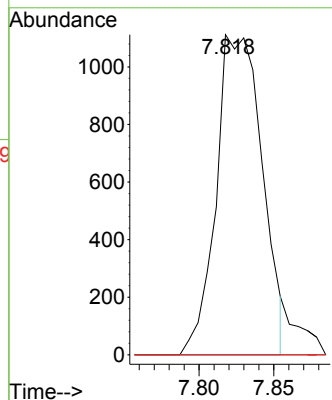
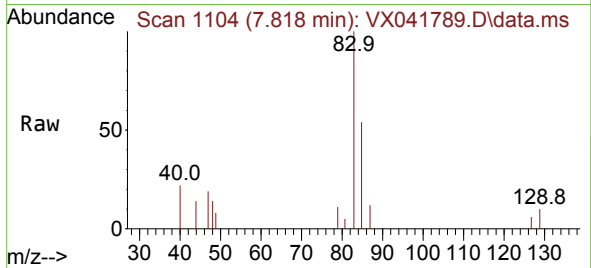




#38
Methylcyclohexane
Concen: 1.068 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.439 min
Lab File: VX041789.D
Acq: 07 Jun 2024 14:37

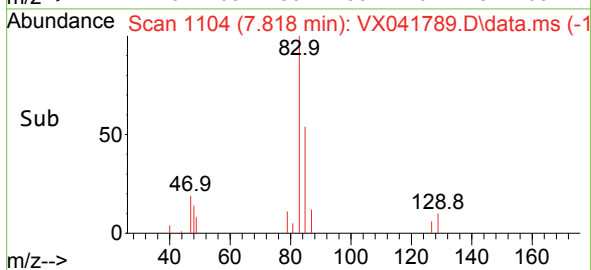
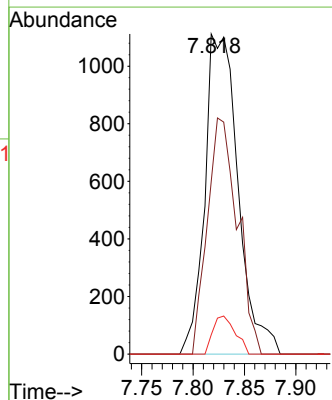
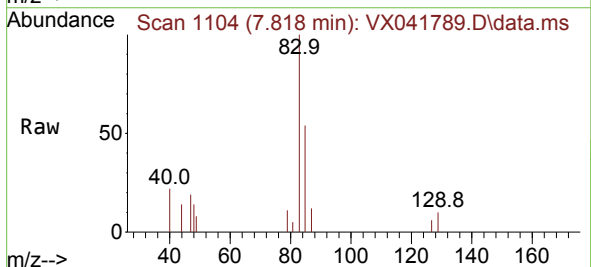
Instrument :
MSVOA_X
ClientSampleId :

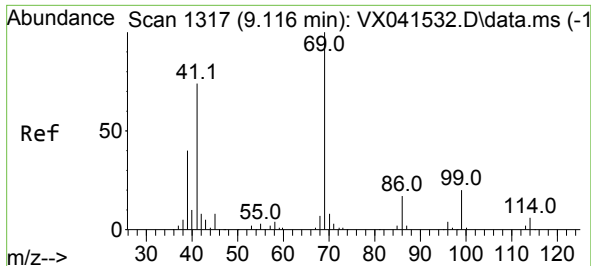
Tgt Ion: 83 Resp: 2373
Ion Ratio Lower Upper
83 100
55 0.0 37.7 113.1#
98 0.0 25.1 75.3#



#41
Bromodichloromethane
Concen: 1.296 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.006 min
Lab File: VX041789.D
Acq: 07 Jun 2024 14:37

Tgt Ion: 83 Resp: 2501
Ion Ratio Lower Upper
83 100
85 54.0 51.0 76.4
127 6.0 7.1 10.7#

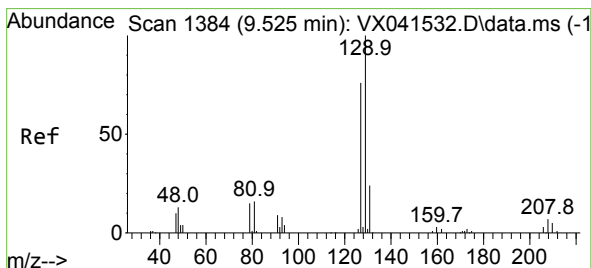
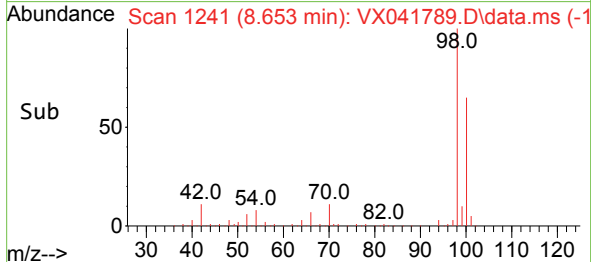
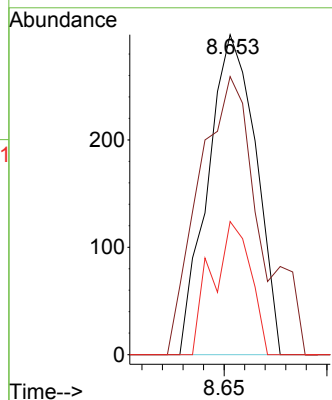
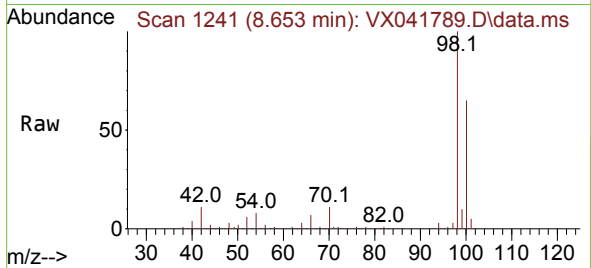




#51
Ethyl methacrylate
Concen: 0.211 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.463 min
Lab File: VX041789.D
Acq: 07 Jun 2024 14:37

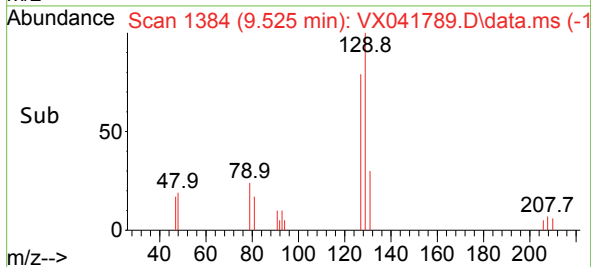
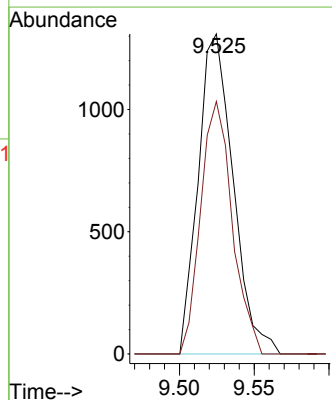
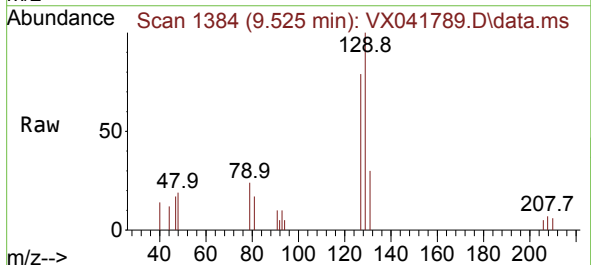
Instrument :
MSVOA_X
ClientSampleId :

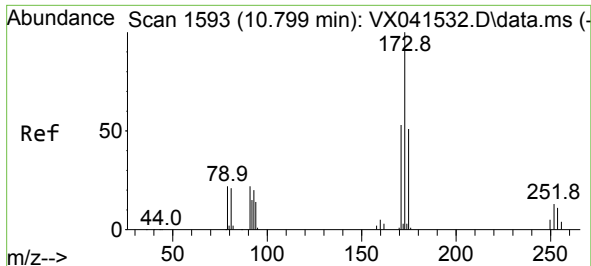
Tgt Ion: 69 Resp: 485
Ion Ratio Lower Upper
69 100
41 65.4 37.1 111.3
39 41.6 20.2 60.6



#53
Dibromochloromethane
Concen: 1.309 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VX041789.D
Acq: 07 Jun 2024 14:37

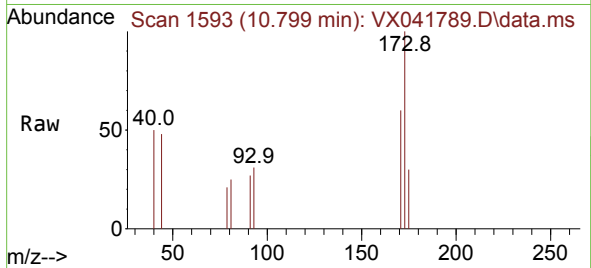
Tgt Ion:129 Resp: 2130
Ion Ratio Lower Upper
129 100
127 71.3 38.9 116.7



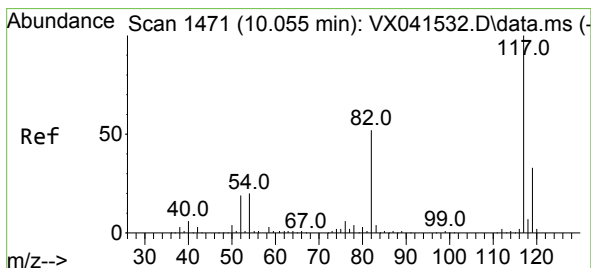
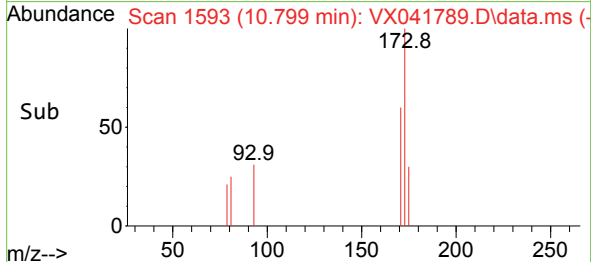
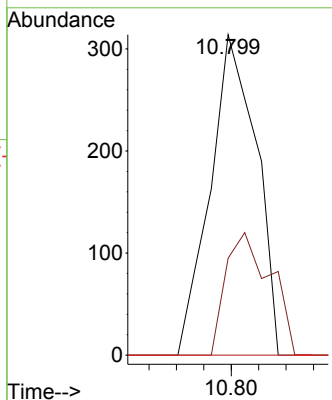


#56
Bromoform
Concen: 0.281 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX041789.D
Acq: 07 Jun 2024 14:37

Instrument :
MSVOA_X
ClientSampleId :

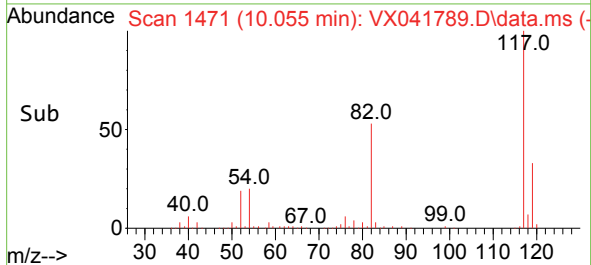
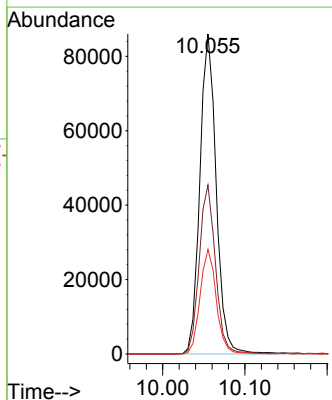
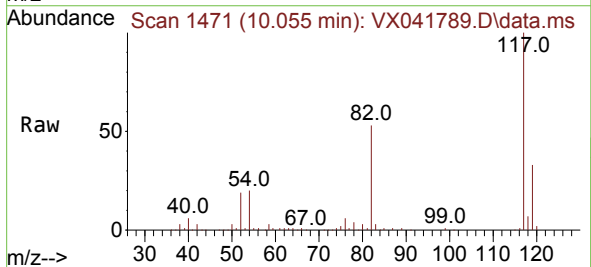


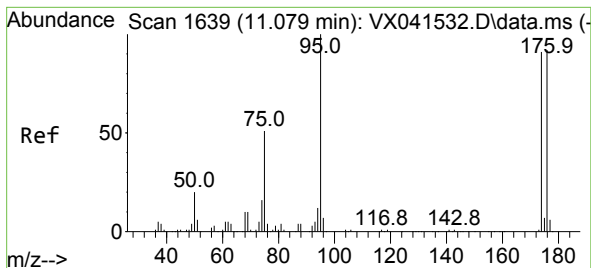
Tgt Ion:173 Resp: 366
Ion Ratio Lower Upper
173 100
175 37.2 39.0 58.6#
254 0.0 10.3 15.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041789.D
Acq: 07 Jun 2024 14:37

Tgt Ion:117 Resp: 118817
Ion Ratio Lower Upper
117 100
82 52.8 41.7 62.5
119 32.5 25.7 38.5





#60

4-Bromofluorobenzene

Concen: 27.440 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX041789.D

Acq: 07 Jun 2024 14:37

Instrument :

MSVOA_X

ClientSampleId :

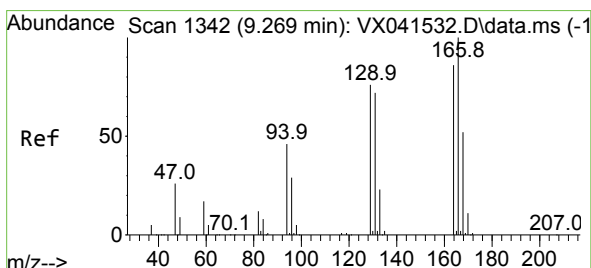
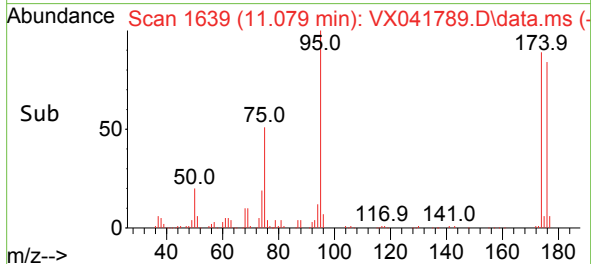
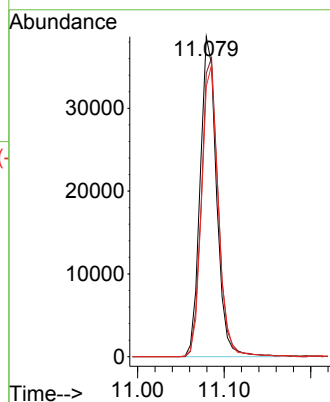
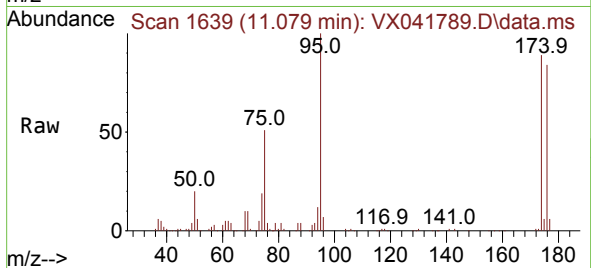
Tgt Ion: 95 Resp: 50897

Ion Ratio Lower Upper

95 100

174 96.1 76.6 115.0

176 92.7 75.4 113.0



#61

Tetrachloroethene

Concen: 0.977 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX041789.D

Acq: 07 Jun 2024 14:37

Tgt Ion: 164 Resp: 1420

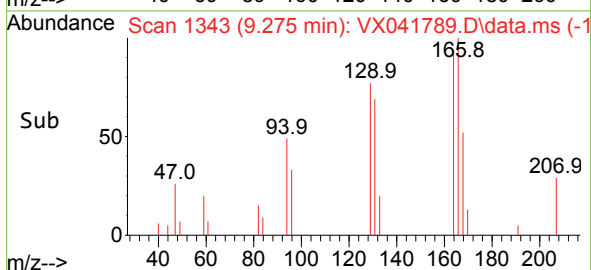
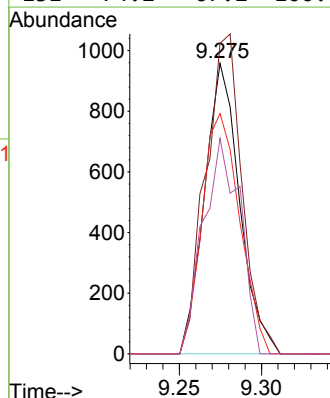
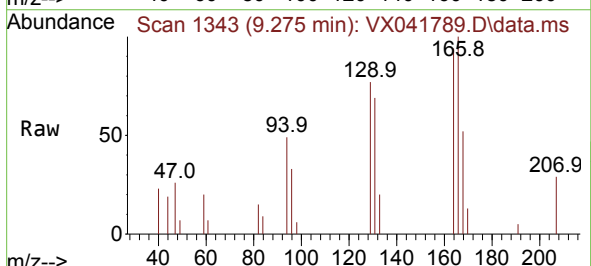
Ion Ratio Lower Upper

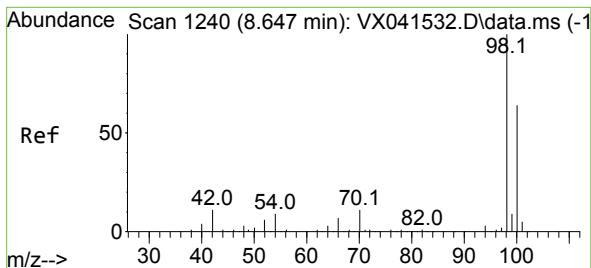
164 100

166 106.9 92.8 139.2

129 82.8 70.1 105.1

131 74.2 67.2 100.8





#63

Toluene-d8

Concen: 29.160 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX041789.D

Acq: 07 Jun 2024 14:37

Instrument :

MSVOA_X

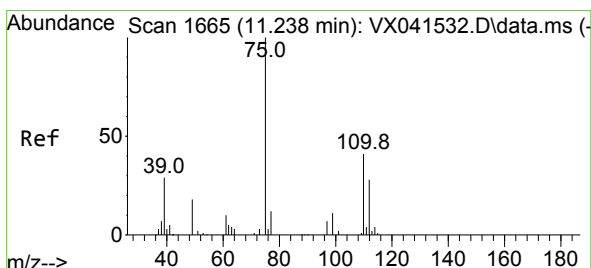
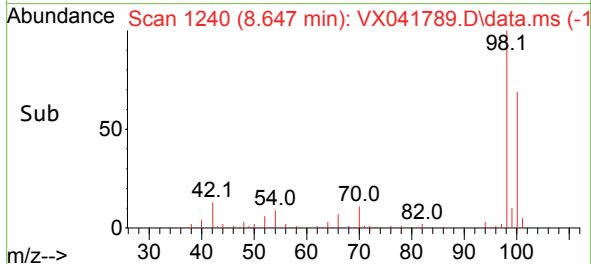
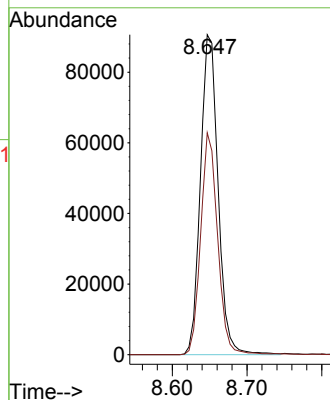
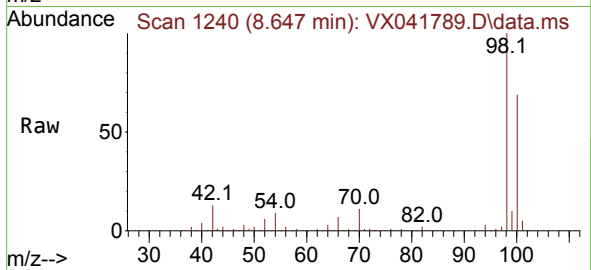
ClientSampleId :

Tgt Ion: 98 Resp: 148519

Ion Ratio Lower Upper

98 100

100 66.6 53.1 79.7



#72

1,2,3-Trichloropropane

Concen: 12.840 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041789.D

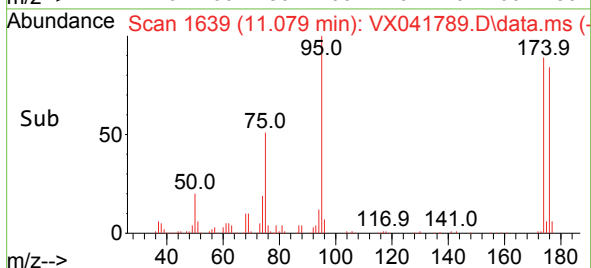
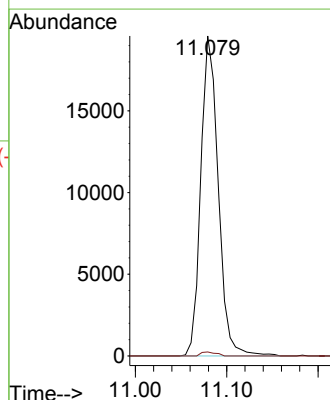
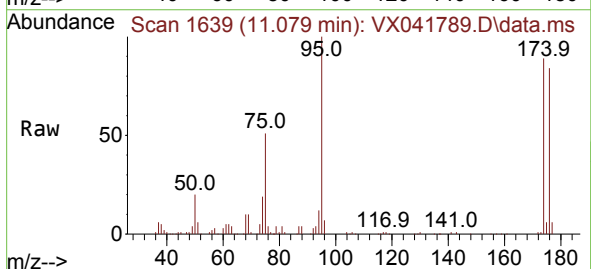
Acq: 07 Jun 2024 14:37

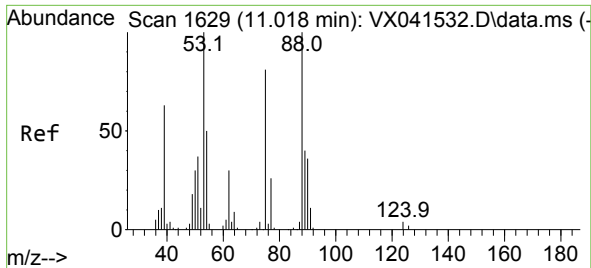
Tgt Ion: 75 Resp: 25974

Ion Ratio Lower Upper

75 100

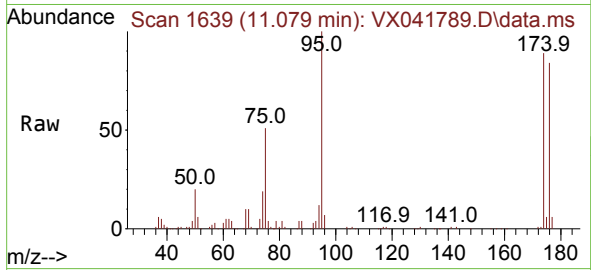
77 1.1 0.0 78.8





#77
 t-1,4-Dichloro-2-butene
 Concen: 40.850 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX041789.D
 Acq: 07 Jun 2024 14:37

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	75	Resp:	25974
Ion	Ratio	Lower	Upper
75	100		
53	0.0	61.8	185.3#
89	0.0	24.9	74.7#

