

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050123\
 Data File : VX035449.D
 Acq On : 01 May 2023 18:37
 Operator : JC/MD
 Sample : 02515-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 02 00:04:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

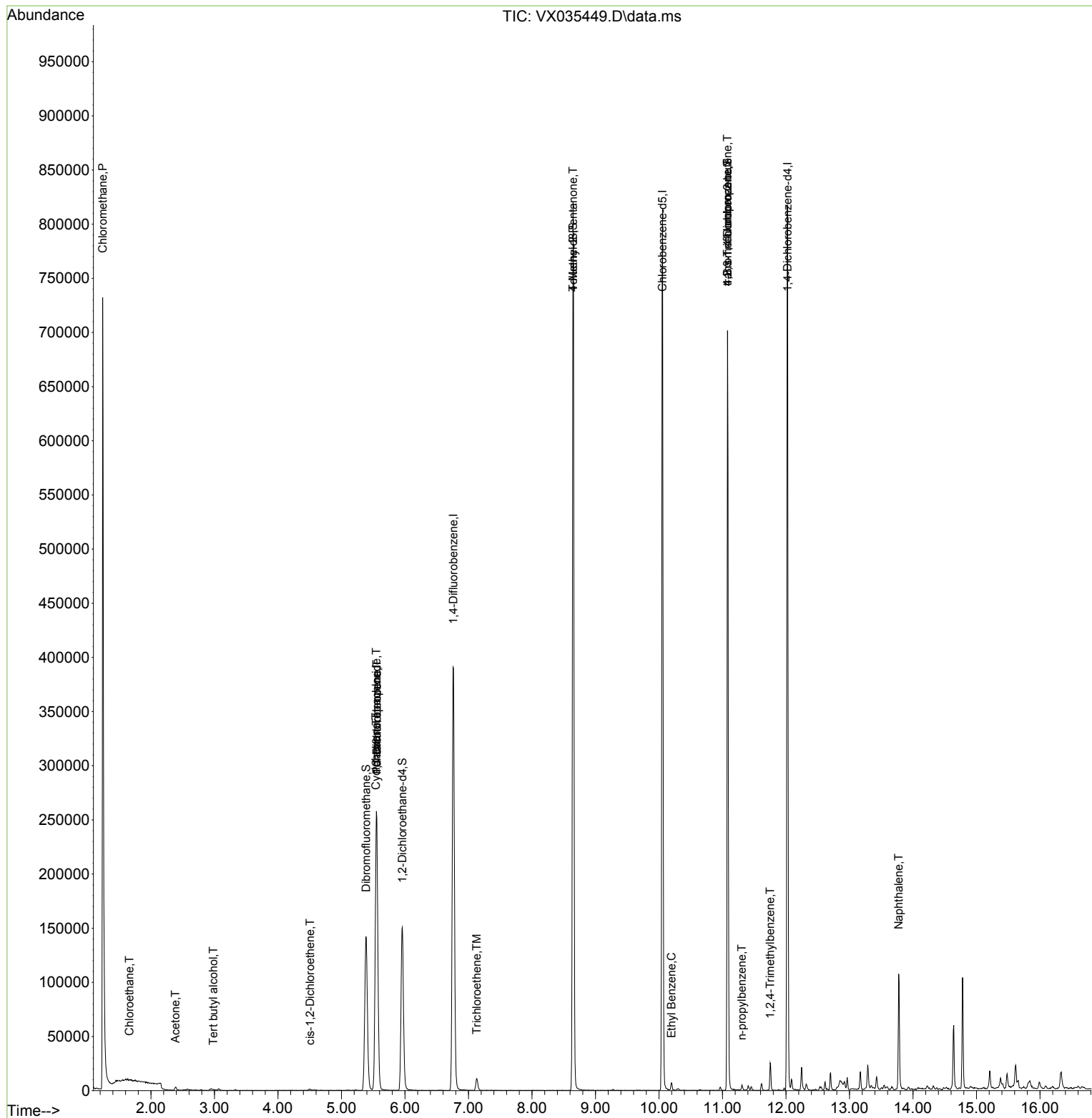
Internal Standards						
1) Pentafluorobenzene	5.556	168	255625	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	414648	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	386057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	181468	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	147773	47.917	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.840%
35) Dibromofluoromethane	5.385	113	126151	49.568	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.140%
50) Toluene-d8	8.647	98	488959	50.930	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.860%
62) 4-Bromofluorobenzene	11.079	95	186749	51.709	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.420%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	14347	5.831	ug/l #	42
6) Chloroethane	1.660	64	842	0.583	ug/l #	56
11) Tert butyl alcohol	2.983	59	1262	2.247	ug/l #	73
16) Acetone	2.386	43	3753	2.802	ug/l	97
27) cis-1,2-Dichloroethene	4.507	96	705	0.222	ug/l	97
31) Cyclohexane	5.544	56	4581	1.047	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	17461	4.394	ug/l #	51
38) Carbon Tetrachloride	5.550	117	24102	6.389	ug/l #	17
44) Trichloroethene	7.129	130	4565	1.454	ug/l	84
51) 4-Methyl-2-Pentanone	8.647	43	2081	0.555	ug/l #	1
67) Ethyl Benzene	10.195	91	4533	0.313	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	92125	25.450	ug/l #	35
78) n-propylbenzene	11.305	91	3150	0.207	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	92125	82.427	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.750	105	11488	1.022	ug/l	94
95) Naphthalene	13.774	128	72088	5.944	ug/l	99

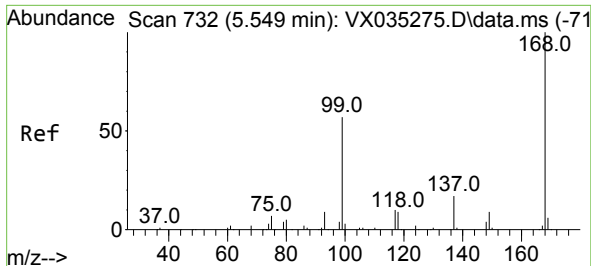
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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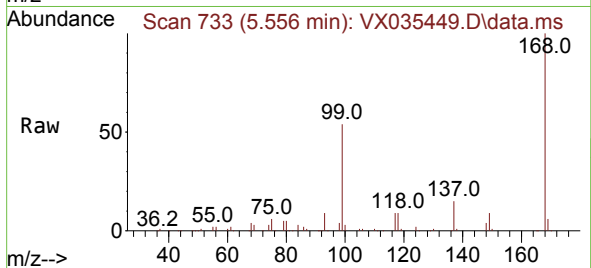
Quant Time: May 02 00:04:38 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 25 16:31:40 2023
Response via : Initial Calibration



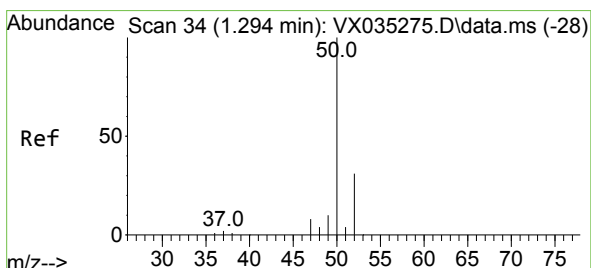
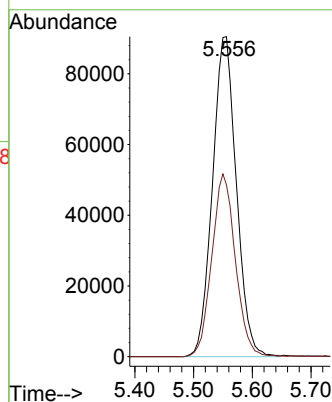
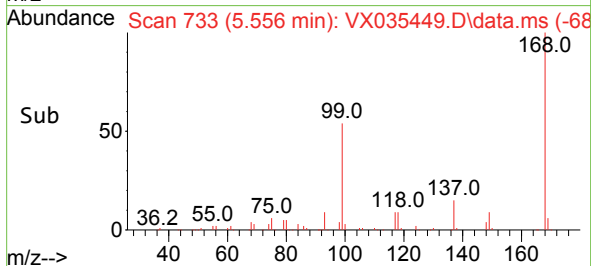


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX035449.D
Acq: 01 May 2023 18:37

Instrument :
MSVOA_X
ClientSampleId :

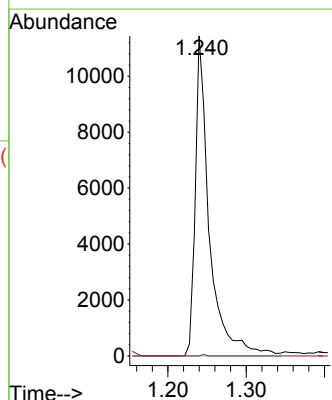
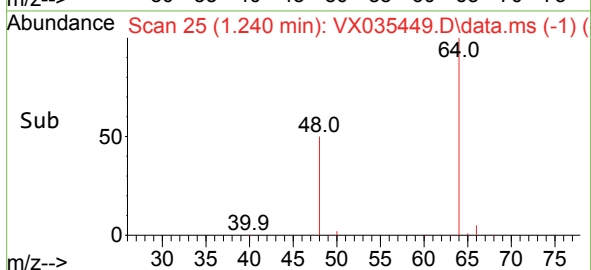
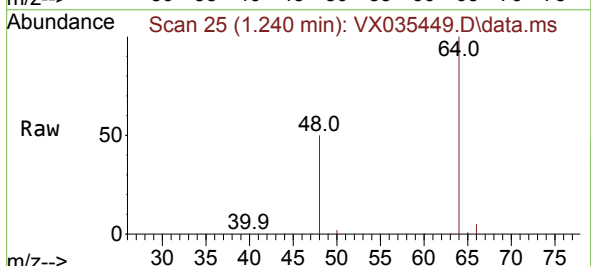


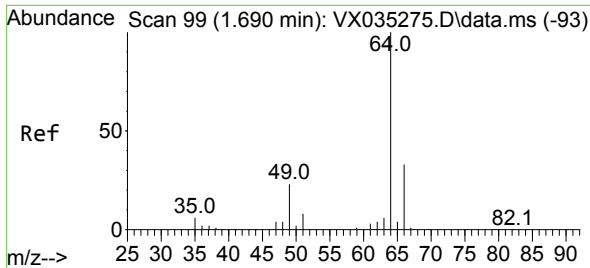
Tgt Ion:168 Resp: 255625
Ion Ratio Lower Upper
168 100
99 53.7 45.7 68.5



#3
Chloromethane
Concen: 5.831 ug/l
RT: 1.240 min Scan# 25
Delta R.T. -0.054 min
Lab File: VX035449.D
Acq: 01 May 2023 18:37

Tgt Ion: 50 Resp: 14347
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

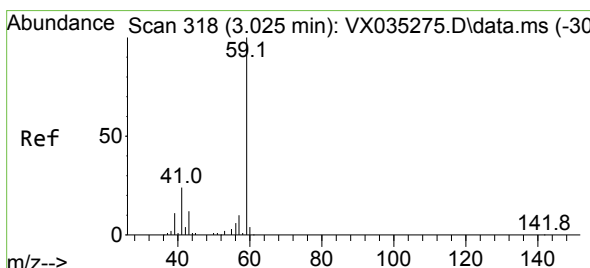
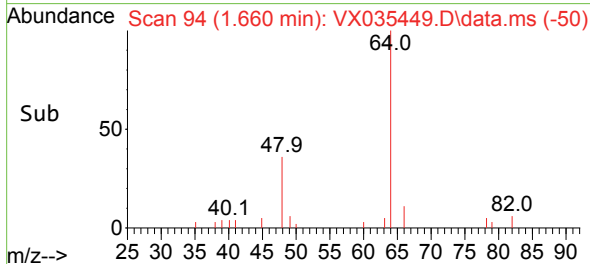
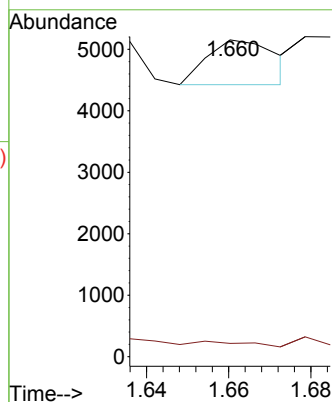
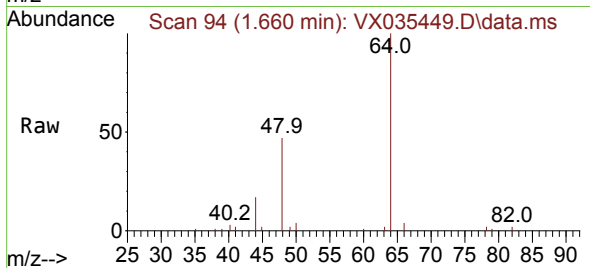




#6
Chloroethane
Concen: 0.583 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.030 min
Lab File: VX035449.D
Acq: 01 May 2023 18:37

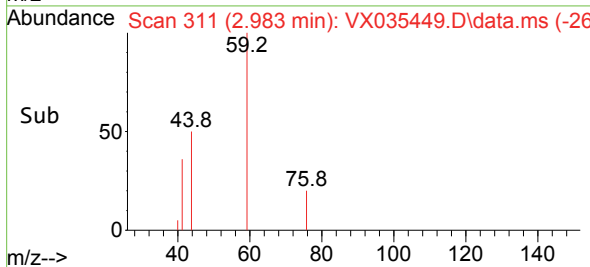
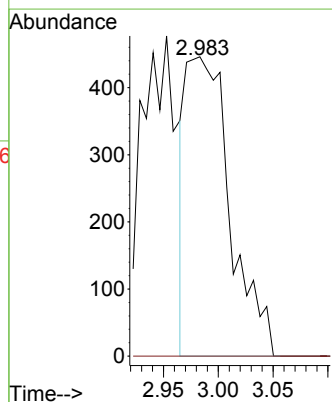
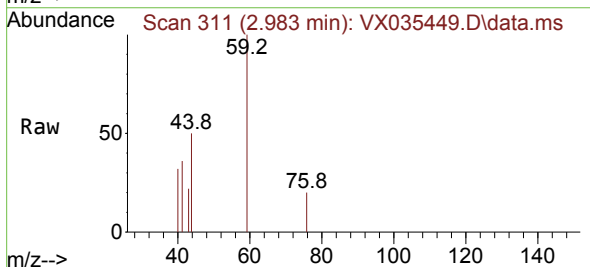
Instrument :
MSVOA_X
ClientSampleId :

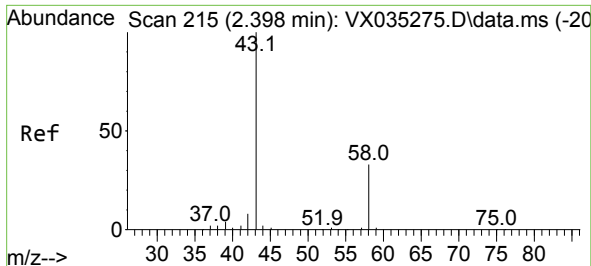
Tgt Ion: 64 Resp: 842
Ion Ratio Lower Upper
64 100
66 7.8 26.2 39.4#



#11
Tert butyl alcohol
Concen: 2.247 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.042 min
Lab File: VX035449.D
Acq: 01 May 2023 18:37

Tgt Ion: 59 Resp: 1262
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#16

Acetone

Concen: 2.802 ug/l

RT: 2.386 min Scan# 21

Delta R.T. -0.012 min

Lab File: VX035449.D

Acq: 01 May 2023 18:37

Instrument :

MSVOA_X

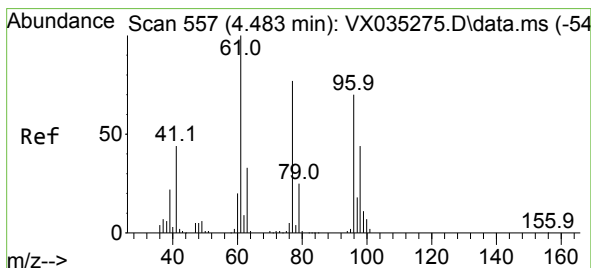
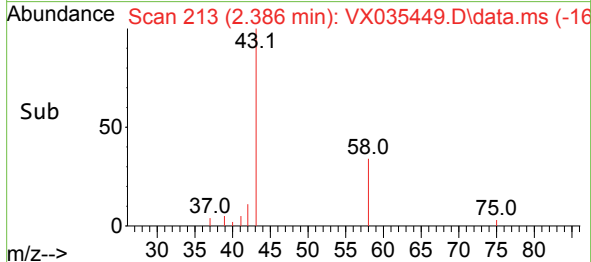
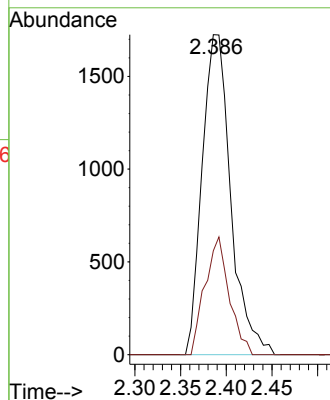
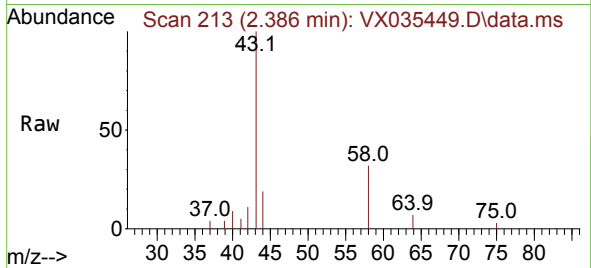
ClientSampleId :

Tgt Ion: 43 Resp: 3753

Ion Ratio Lower Upper

43 100

58 32.5 24.7 37.1



#27

cis-1,2-Dichloroethene

Concen: 0.222 ug/l

RT: 4.507 min Scan# 561

Delta R.T. 0.024 min

Lab File: VX035449.D

Acq: 01 May 2023 18:37

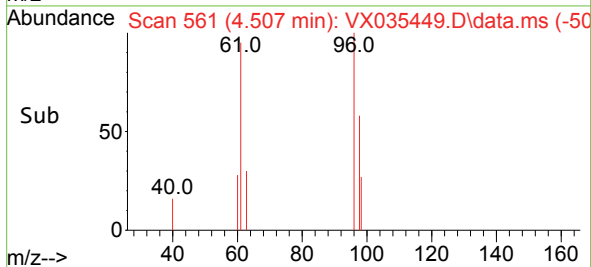
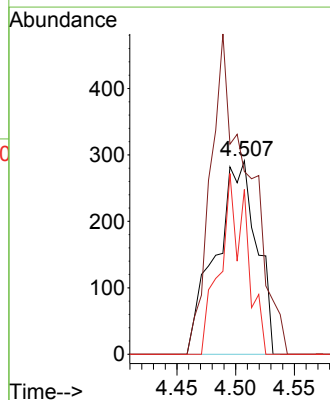
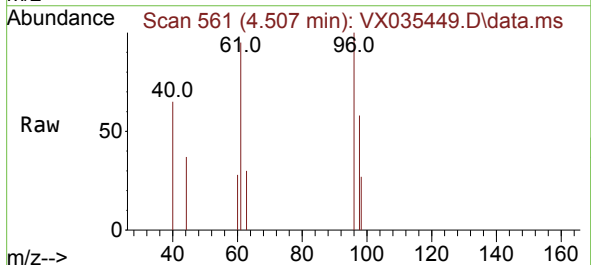
Tgt Ion: 96 Resp: 705

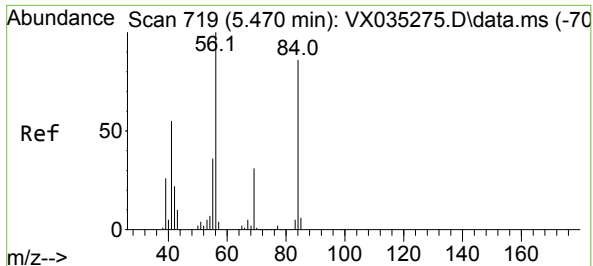
Ion Ratio Lower Upper

96 100

61 151.8 0.0 300.4

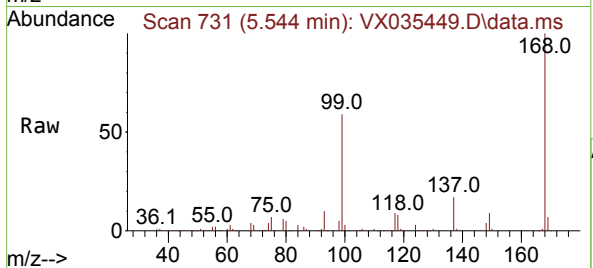
98 60.0 0.0 129.0



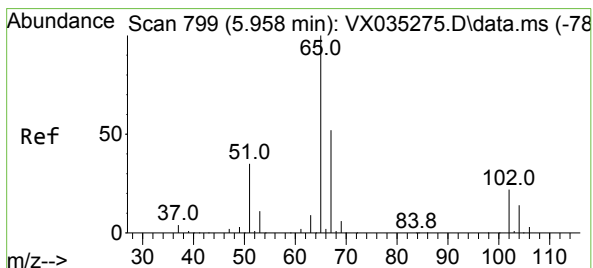
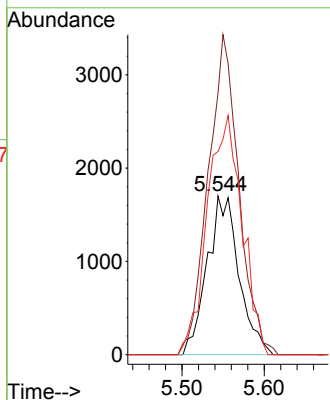
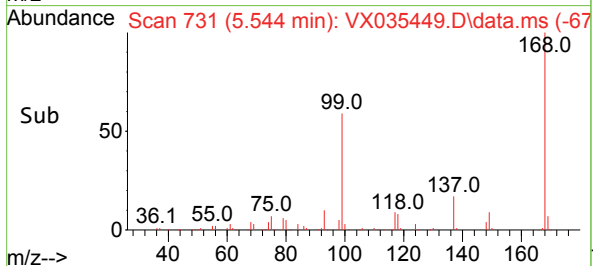


#31
Cyclohexane
Concen: 1.047 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.074 min
Lab File: VX035449.D
Acq: 01 May 2023 18:37

Instrument :
MSVOA_X
ClientSampleId :

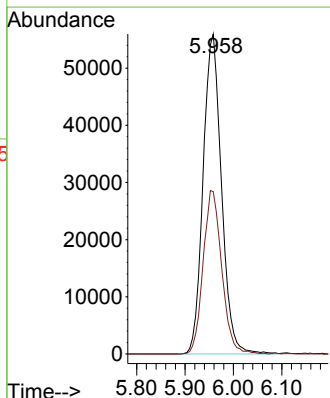
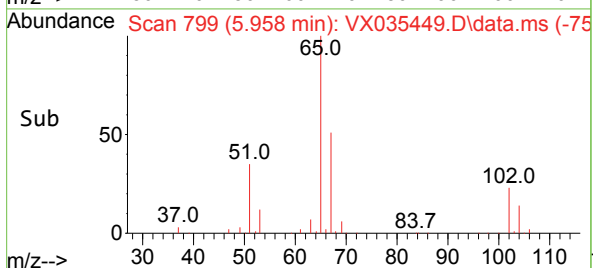
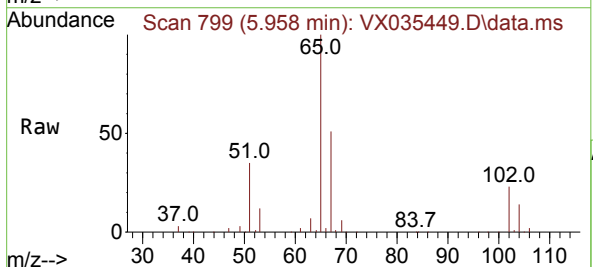


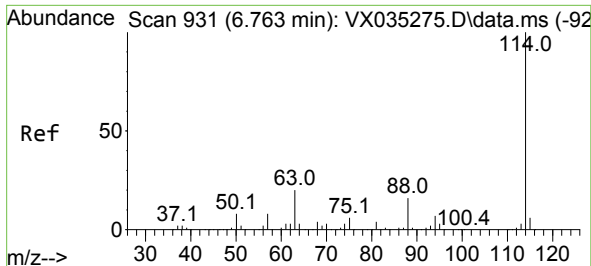
Tgt Ion: 56 Resp: 4581
Ion Ratio Lower Upper
56 100
69 164.9 23.7 35.5#
84 128.0 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 47.917 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX035449.D
Acq: 01 May 2023 18:37

Tgt Ion: 65 Resp: 147773
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.0

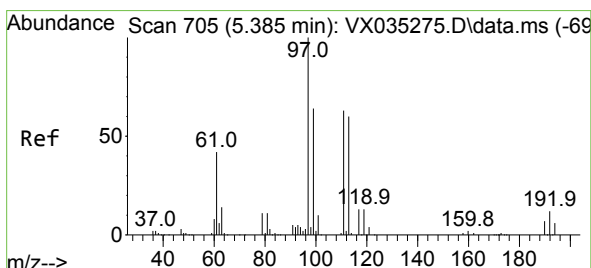
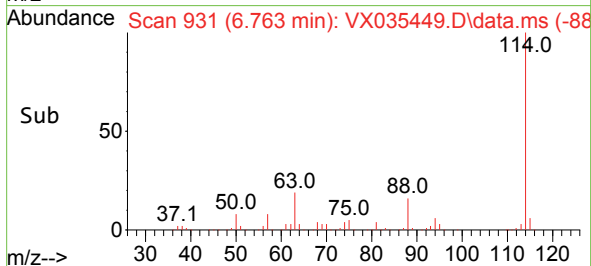
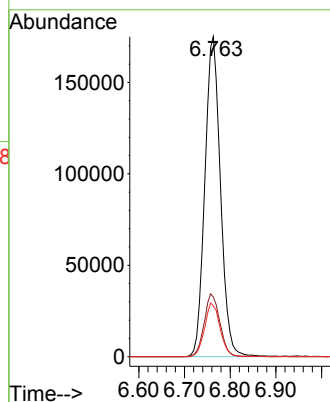
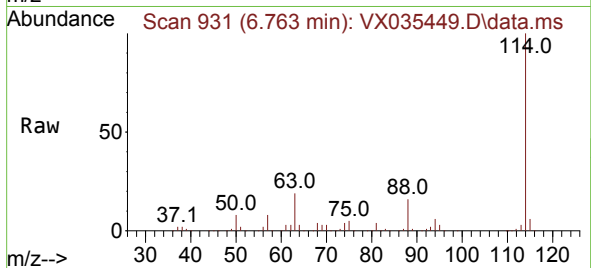




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX035449.D
Acq: 01 May 2023 18:37

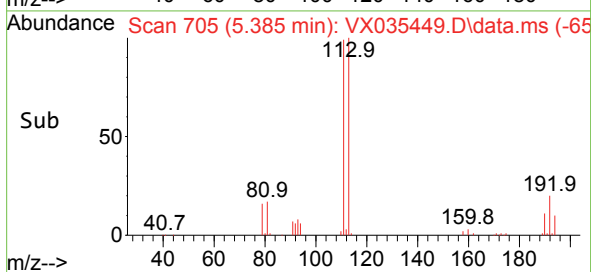
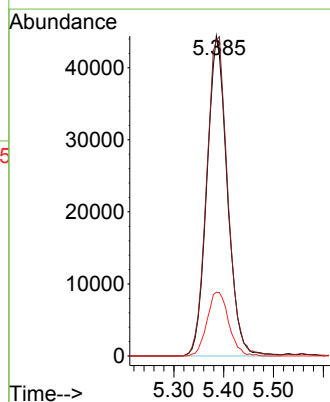
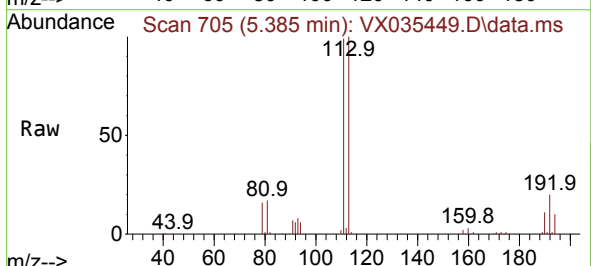
Instrument :
MSVOA_X
ClientSampleId :

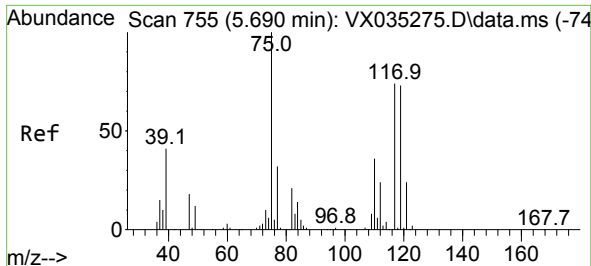
Tgt Ion:114 Resp: 414648
Ion Ratio Lower Upper
114 100
63 18.6 0.0 42.2
88 15.9 0.0 33.2



#35
Dibromofluoromethane
Concen: 49.568 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035449.D
Acq: 01 May 2023 18:37

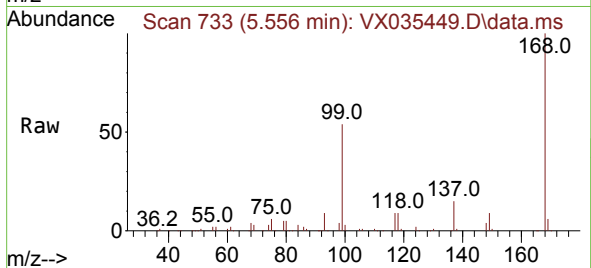
Tgt Ion:113 Resp: 126151
Ion Ratio Lower Upper
113 100
111 103.2 83.7 125.5
192 21.2 15.4 23.2



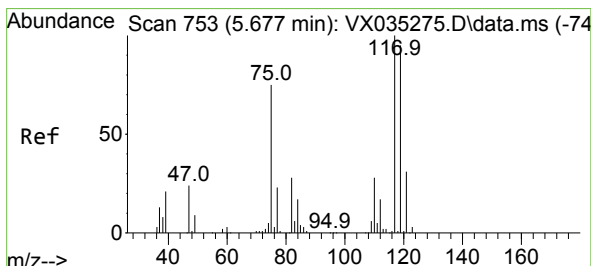
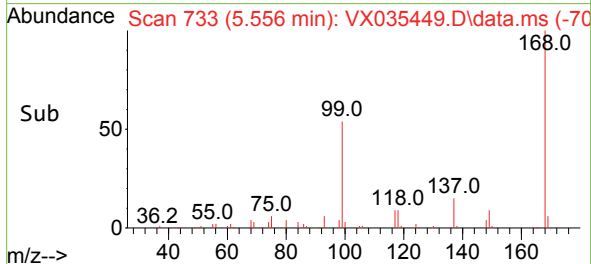
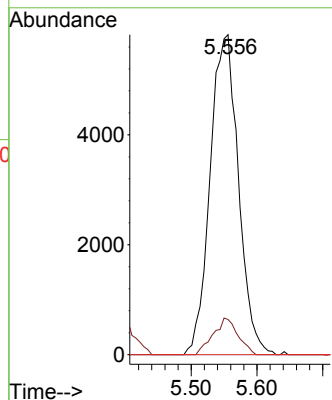


#36
1,1-Dichloropropene
Concen: 4.394 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX035449.D
Acq: 01 May 2023 18:37

Instrument :
MSVOA_X
ClientSampleId :

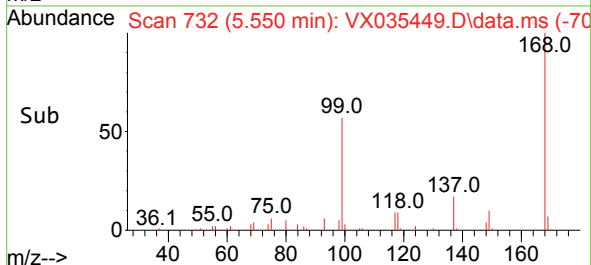
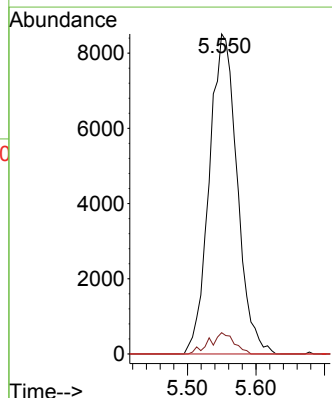
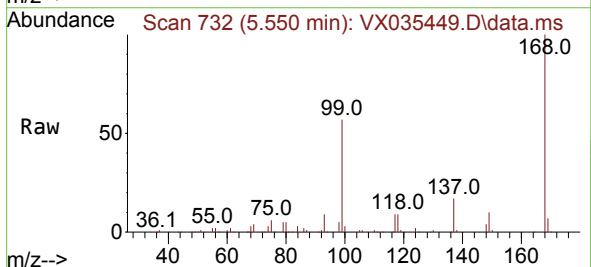


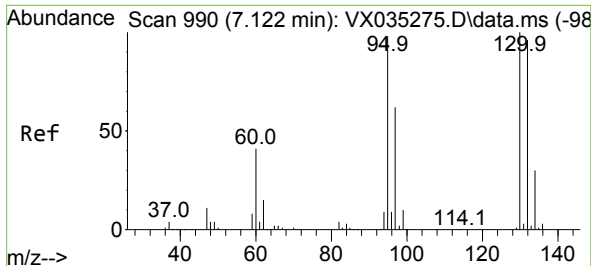
Tgt Ion: 75 Resp: 17461
Ion Ratio Lower Upper
75 100
110 10.0 17.5 52.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 6.389 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.127 min
Lab File: VX035449.D
Acq: 01 May 2023 18:37

Tgt Ion: 117 Resp: 24102
Ion Ratio Lower Upper
117 100
119 6.6 76.6 114.8#
121 0.0 23.8 35.6#

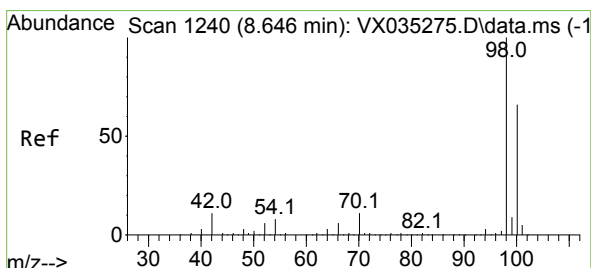
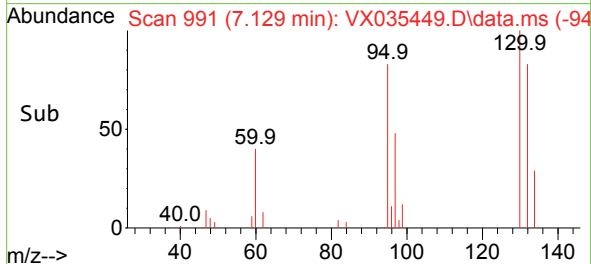
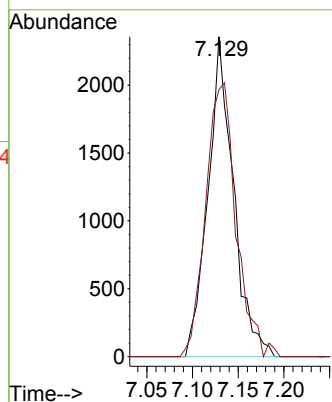
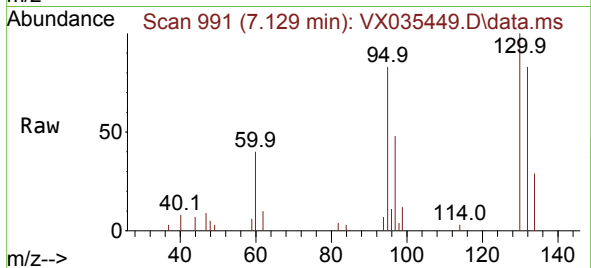




#44
 Trichloroethene
 Concen: 1.454 ug/l
 RT: 7.129 min Scan# 991
 Delta R.T. 0.007 min
 Lab File: VX035449.D
 Acq: 01 May 2023 18:37

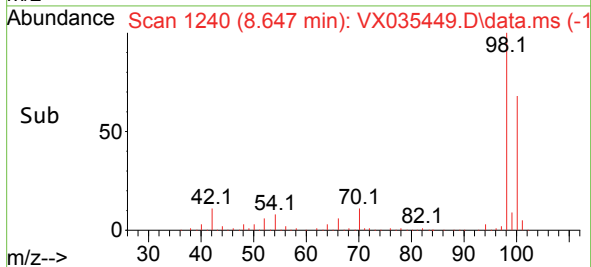
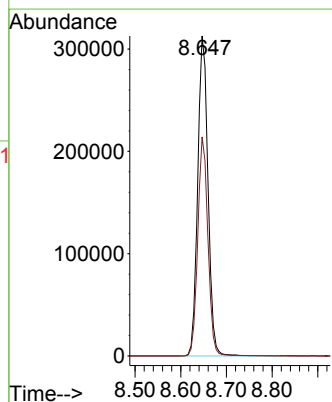
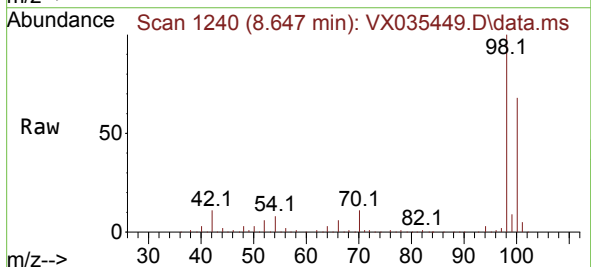
Instrument :
 MSVOA_X
 ClientSampleId :

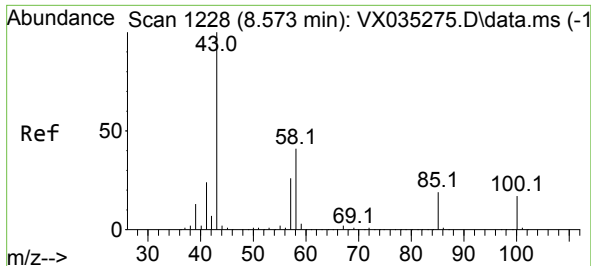
Tgt Ion:130 Resp: 4565
 Ion Ratio Lower Upper
 130 100
 95 83.4 0.0 198.4



#50
 Toluene-d8
 Concen: 50.930 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. 0.001 min
 Lab File: VX035449.D
 Acq: 01 May 2023 18:37

Tgt Ion: 98 Resp: 488959
 Ion Ratio Lower Upper
 98 100
 100 67.5 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.555 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.074 min

Lab File: VX035449.D

Acq: 01 May 2023 18:37

Instrument :

MSVOA_X

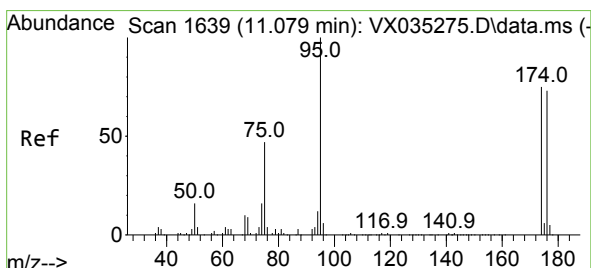
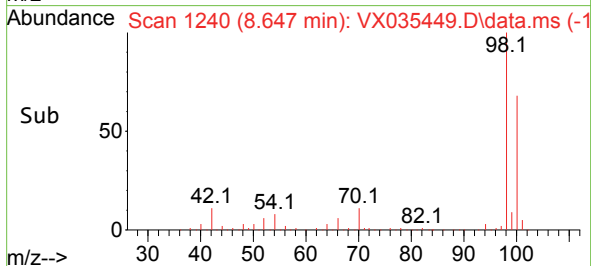
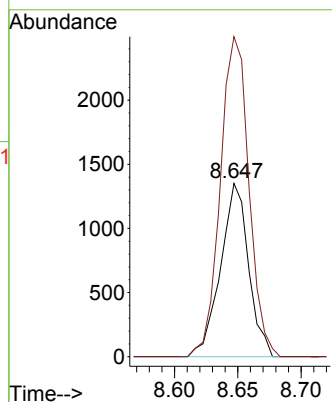
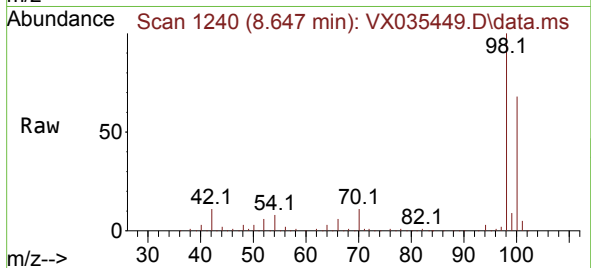
ClientSampleId :

Tgt Ion: 43 Resp: 2081

Ion Ratio Lower Upper

43 100

58 188.4 30.6 46.0#



#62

4-Bromofluorobenzene

Concen: 51.709 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX035449.D

Acq: 01 May 2023 18:37

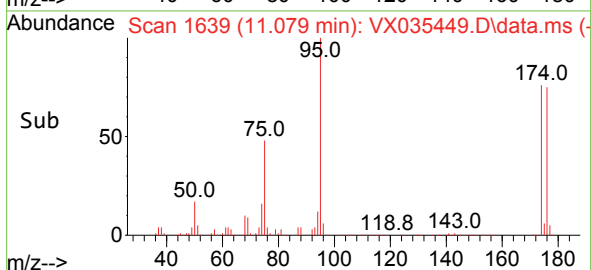
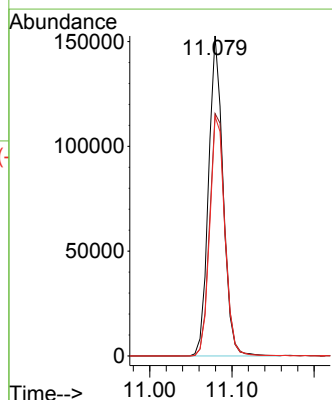
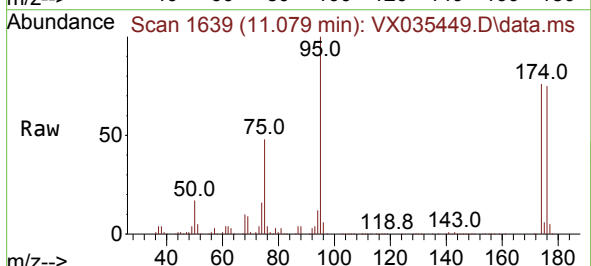
Tgt Ion: 95 Resp: 186749

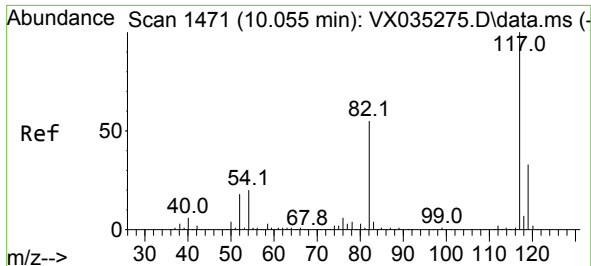
Ion Ratio Lower Upper

95 100

174 80.7 0.0 147.4

176 77.8 0.0 140.6

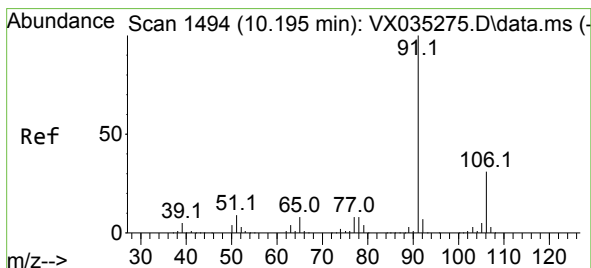
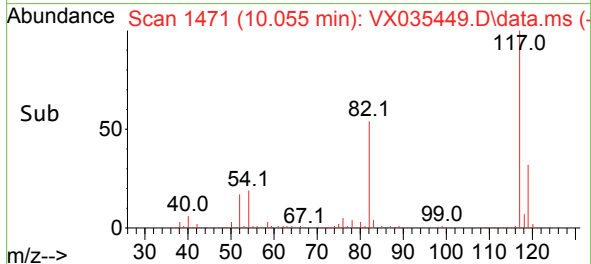
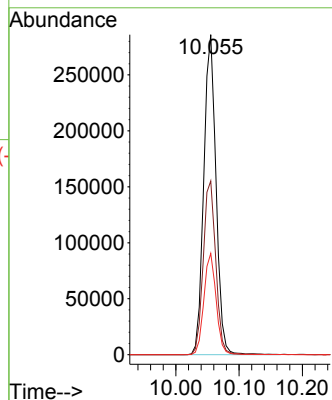
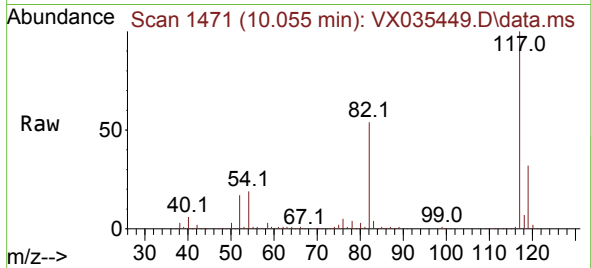




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035449.D
Acq: 01 May 2023 18:37

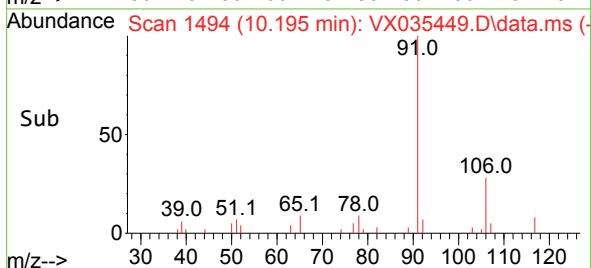
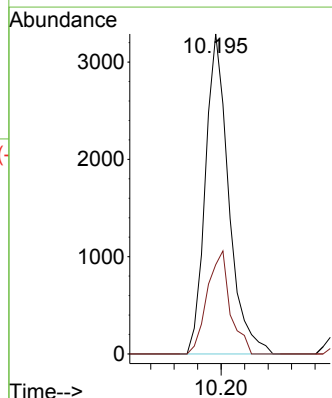
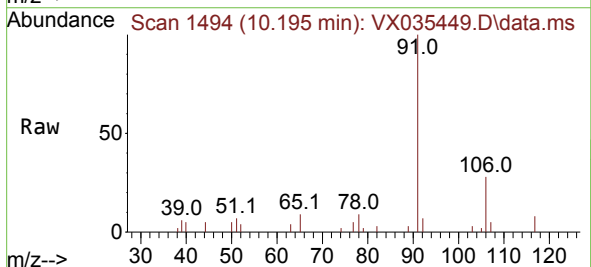
Instrument :
MSVOA_X
ClientSampleId :

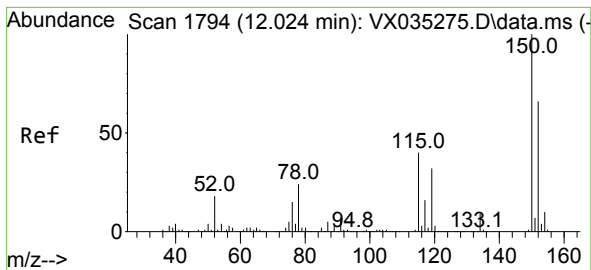
Tgt Ion:117 Resp: 386057
Ion Ratio Lower Upper
117 100
82 54.3 45.0 67.4
119 31.7 26.0 39.0



#67
Ethyl Benzene
Concen: 0.313 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX035449.D
Acq: 01 May 2023 18:37

Tgt Ion: 91 Resp: 4533
Ion Ratio Lower Upper
91 100
106 27.9 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX035449.D

Acq: 01 May 2023 18:37

Instrument :

MSVOA_X

ClientSampleId :

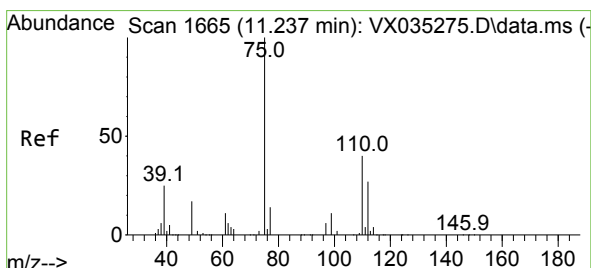
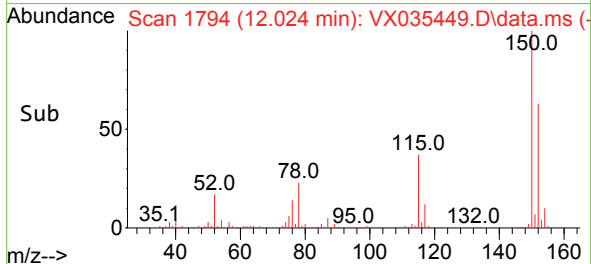
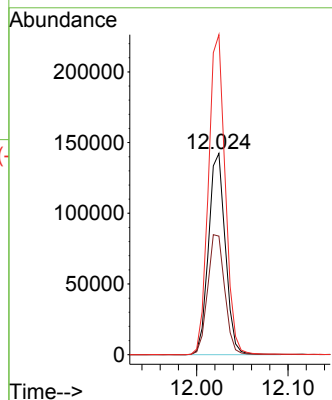
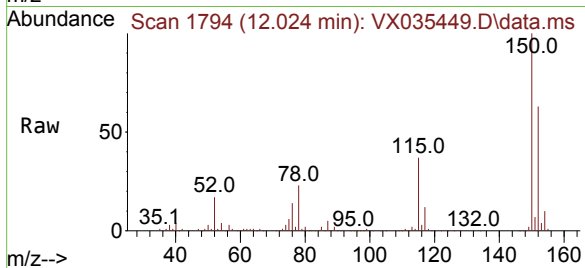
Tgt Ion:152 Resp: 181468

Ion Ratio Lower Upper

152 100

115 60.7 45.0 135.0

150 159.4 0.0 352.4



#76

1,2,3-Trichloropropane

Concen: 25.450 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX035449.D

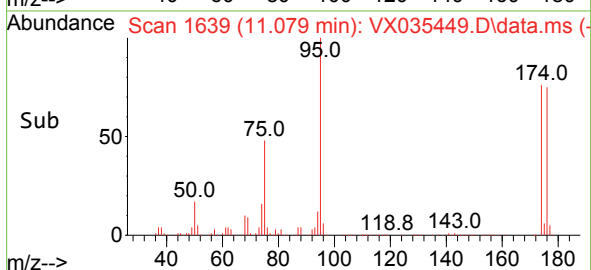
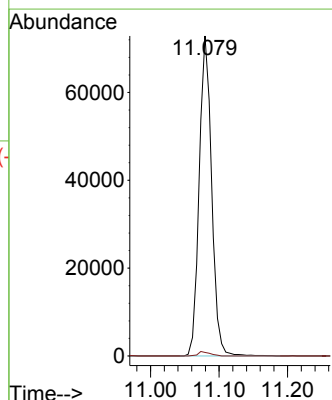
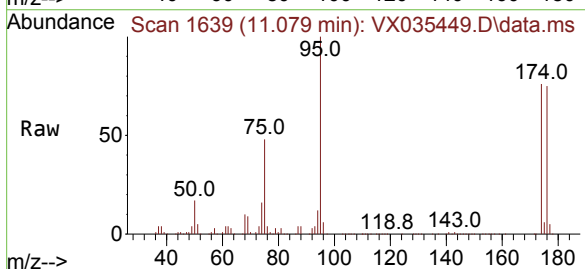
Acq: 01 May 2023 18:37

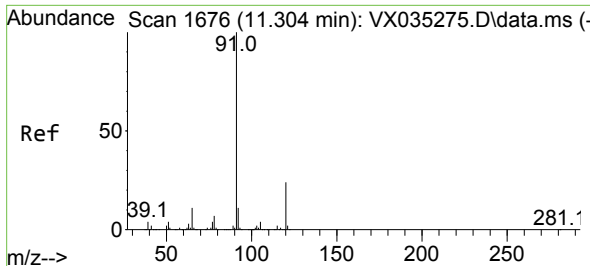
Tgt Ion: 75 Resp: 92125

Ion Ratio Lower Upper

75 100

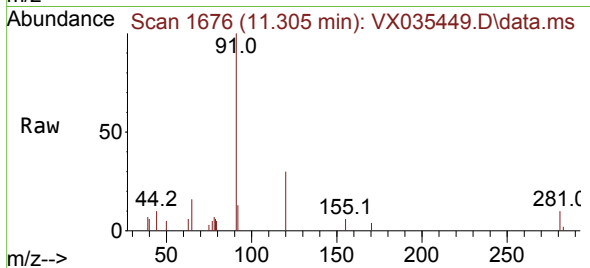
77 1.3 21.6 64.8#



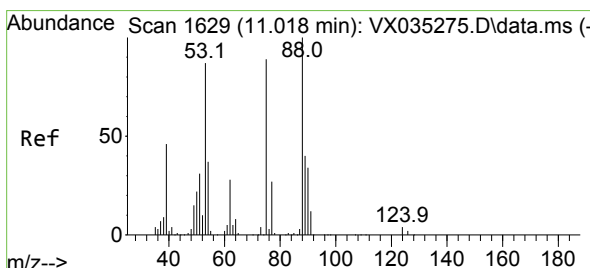
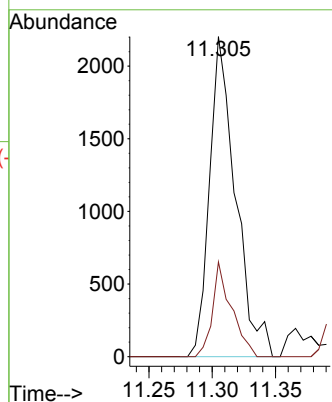
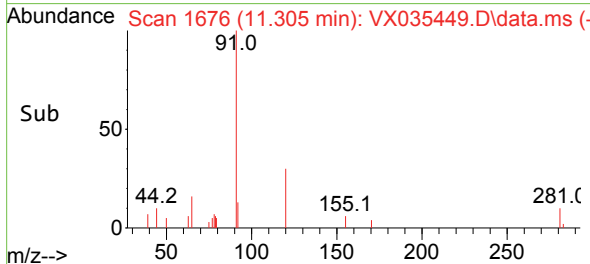


#78
n-propylbenzene
Concen: 0.207 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.001 min
Lab File: VX035449.D
Acq: 01 May 2023 18:37

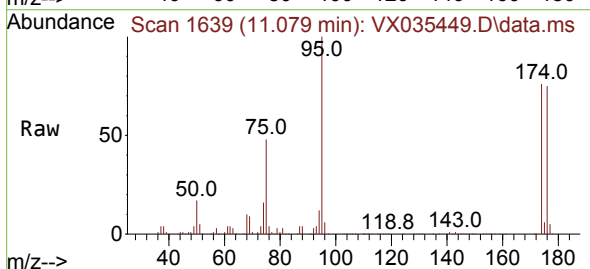
Instrument :
MSVOA_X
ClientSampleId :



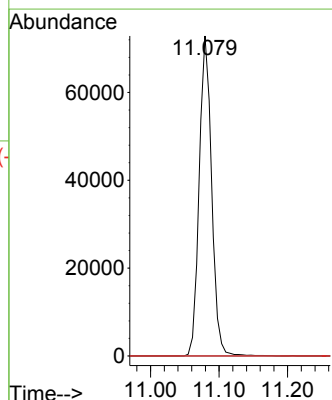
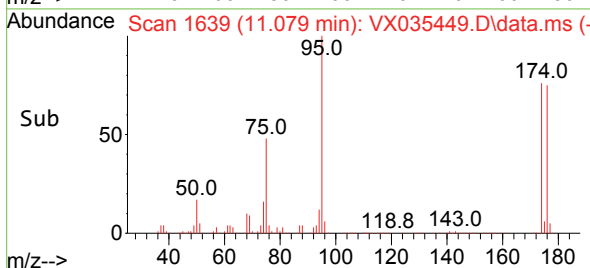
Tgt Ion: 91 Resp: 3150
Ion Ratio Lower Upper
91 100
120 21.7 11.5 34.5

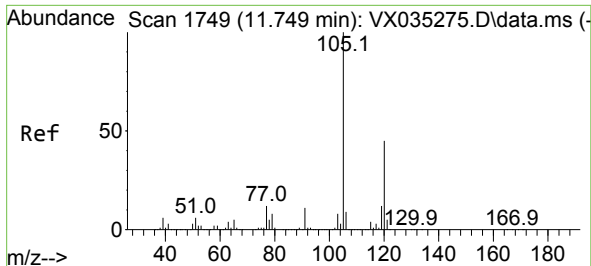


#81
trans-1,4-Dichloro-2-butene
Concen: 82.427 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035449.D
Acq: 01 May 2023 18:37



Tgt Ion: 75 Resp: 92125
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#

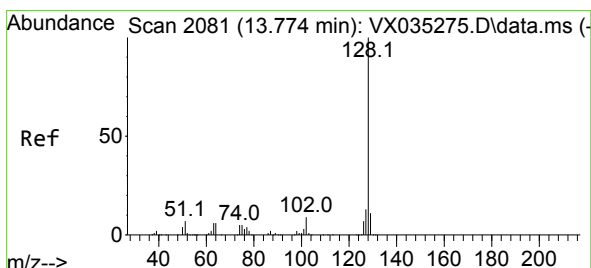
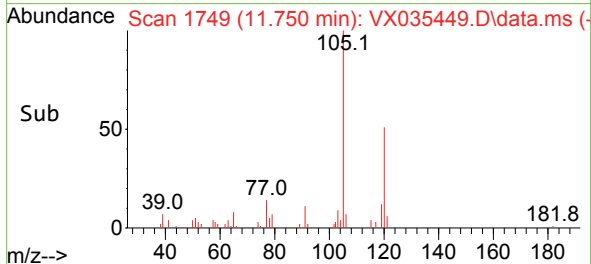
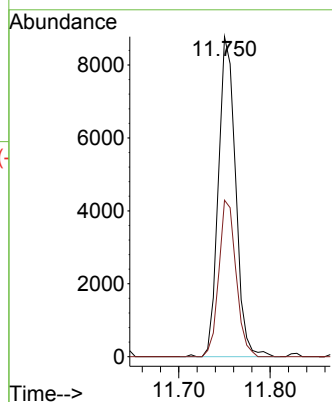
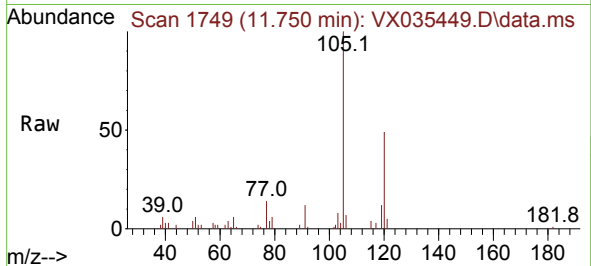




#84
1,2,4-Trimethylbenzene
Concen: 1.022 ug/l
RT: 11.750 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX035449.D
Acq: 01 May 2023 18:37

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:105 Resp: 11488
Ion Ratio Lower Upper
105 100
120 48.9 22.4 67.0



#95
Naphthalene
Concen: 5.944 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX035449.D
Acq: 01 May 2023 18:37

Tgt Ion:128 Resp: 72088
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.4
129 11.6 8.6 13.0

