

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051623\
 Data File : VX035699.D
 Acq On : 16 May 2023 18:22
 Operator : JC/MD
 Sample : 02615-07RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 001-3

Quant Time: May 17 05:34:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 11 13:57:54 2023
 Response via : Initial Calibration

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

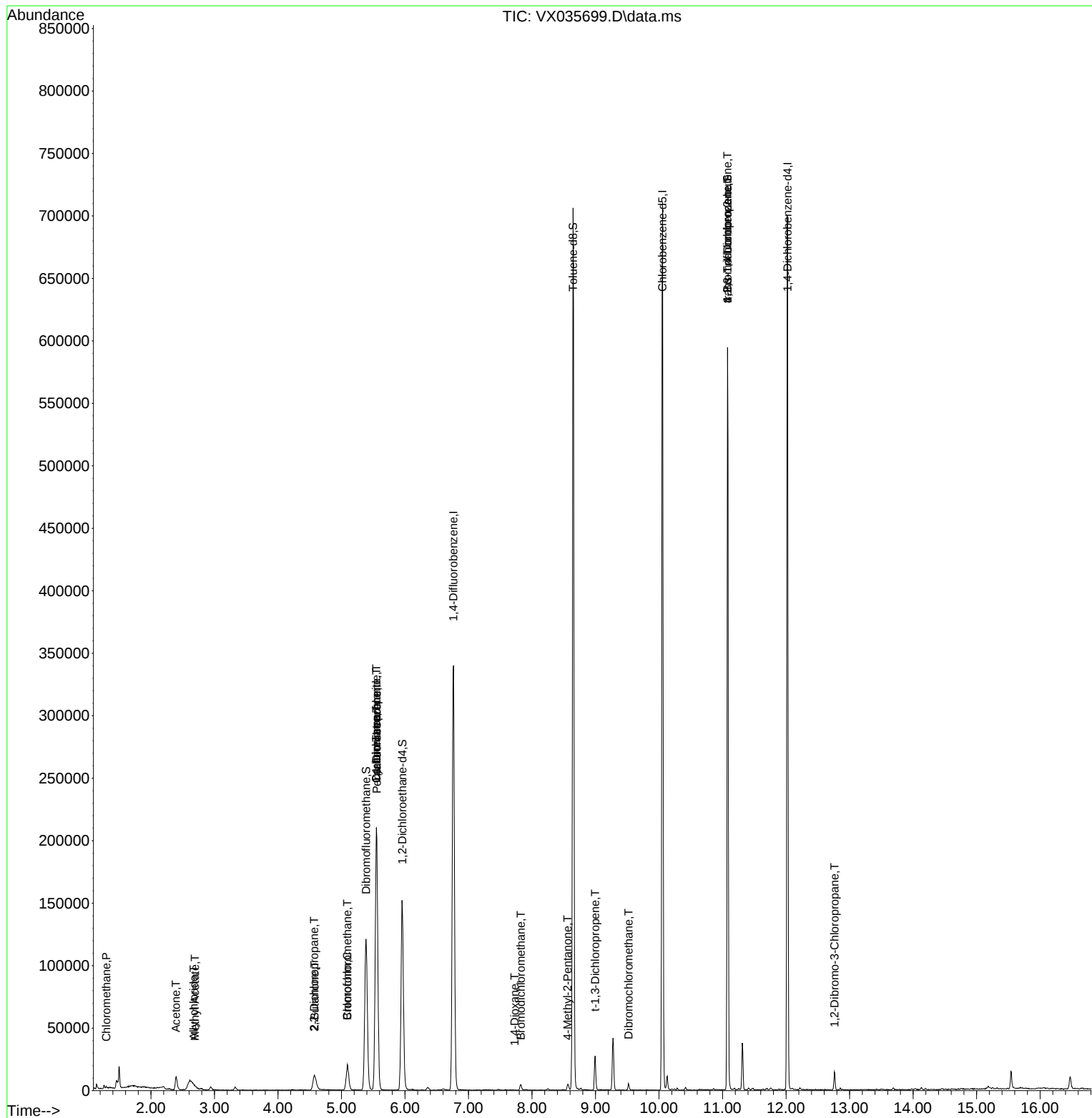
Internal Standards						
1) Pentafluorobenzene	5.556	168	174299	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	322655	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	297001	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	132372	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	149243	49.082	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.160%
35) Dibromofluoromethane	5.385	113	106043	48.734	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.460%
50) Toluene-d8	8.647	98	389735	48.483	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.960%
62) 4-Bromofluorobenzene	11.079	95	159213	49.190	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.380%
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	1138	0.413	ug/l	98
14) Allyl chloride	2.672	41	1244	0.299	ug/l	# 26
16) Acetone	2.392	43	15472	11.839	ug/l	92
18) Methyl Acetate	2.691	43	1806	0.375	ug/l	# 58
25) 2-Butanone	4.574	43	3288	1.817	ug/l	# 87
26) 2,2-Dichloropropane	4.568	77	936	0.254	ug/l	# 53
28) Bromochloromethane	5.093	49	2126	1.085	ug/l	# 15
30) Chloroform	5.093	83	21596	4.840	ug/l	96
31) Cyclohexane	5.550	56	5014	1.305	ug/l	# 24
36) 1,1-Dichloropropene	5.550	75	17215	5.012	ug/l	# 49
38) Carbon Tetrachloride	5.550	117	20532	6.310	ug/l	# 15
47) Bromodichloromethane	7.824	83	2893	0.859	ug/l	85
49) 1,4-Dioxane	7.726	88	152	4.222	ug/l	# 23
51) 4-Methyl-2-Pentanone	8.561	43	5105	1.418	ug/l	# 47
53) t-1,3-Dichloropropene	8.994	75	1739	0.475	ug/l	89
60) Dibromochloromethane	9.519	129	522	0.230	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	87377	26.986	ug/l	# 34
81) trans-1,4-Dichloro-2-b...	11.079	75	87377	86.972	ug/l	# 8
92) 1,2-Dibromo-3-Chloropr...	12.762	75	456	0.566	ug/l	# 8

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051623\
Data File : VX035699.D
Acq On : 16 May 2023 18:22
Operator : JC/MD
Sample : 02615-07RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
001-3

Quant Time: May 17 05:34:17 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
Quant Title : SW846 8260
QLast Update : Thu May 11 13:57:54 2023
Response via : Initial Calibration

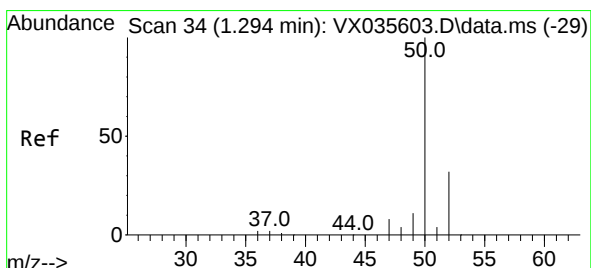
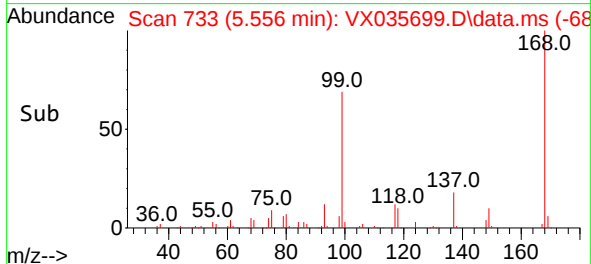
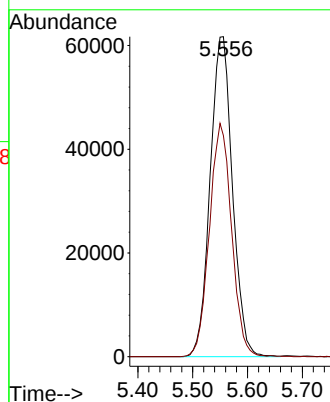
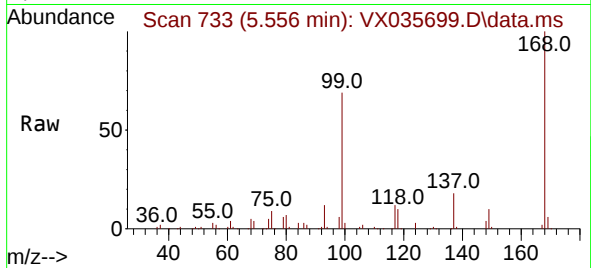




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX035699.D
Acq: 16 May 2023 18:22

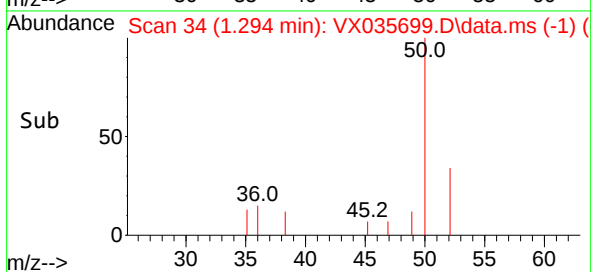
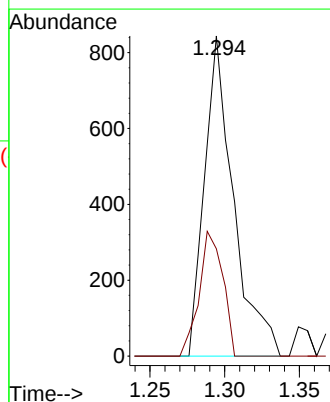
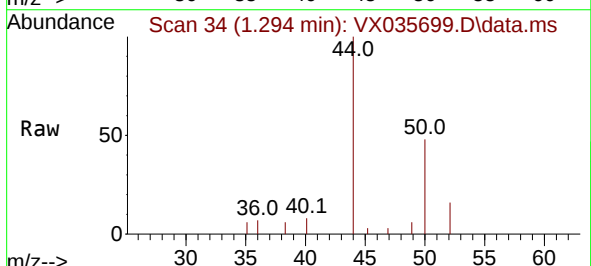
Instrument :
MSVOA_X
ClientSampleId :
001-3

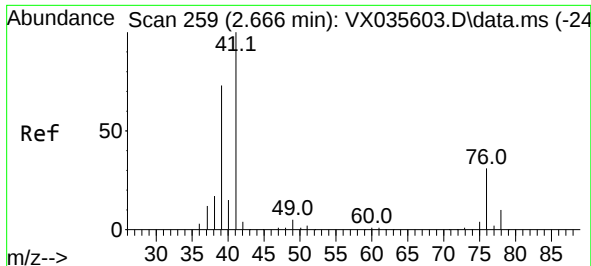
Tgt Ion:168 Resp: 174299
Ion Ratio Lower Upper
168 100
99 69.1 45.7 68.5#



#3
Chloromethane
Concen: 0.413 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX035699.D
Acq: 16 May 2023 18:22

Tgt Ion: 50 Resp: 1138
Ion Ratio Lower Upper
50 100
52 33.5 25.9 38.9

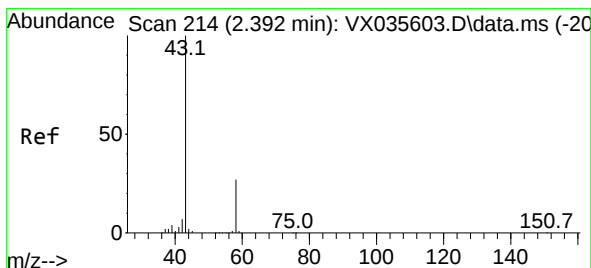
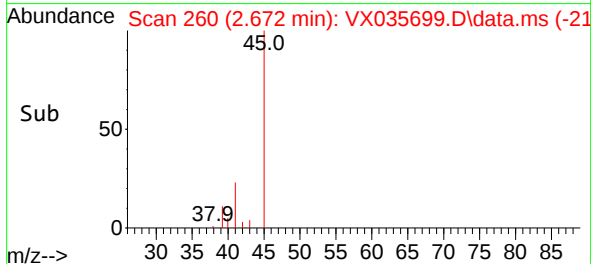
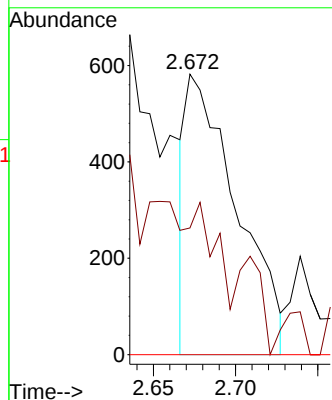
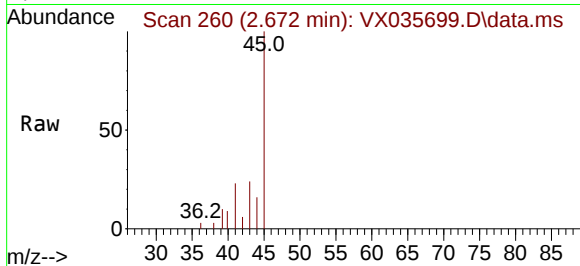




#14
 Allyl chloride
 Concen: 0.299 ug/l
 RT: 2.672 min Scan# 214
 Delta R.T. 0.006 min
 Lab File: VX035699.D
 Acq: 16 May 2023 18:22

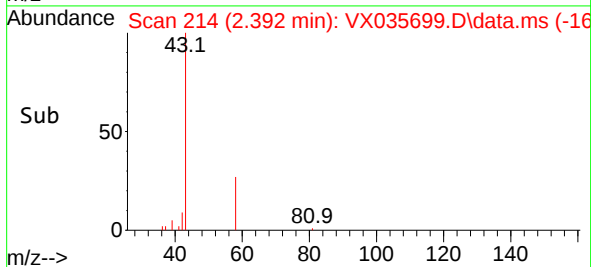
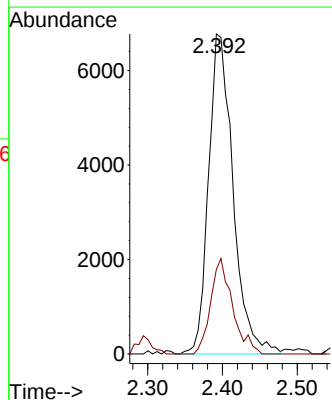
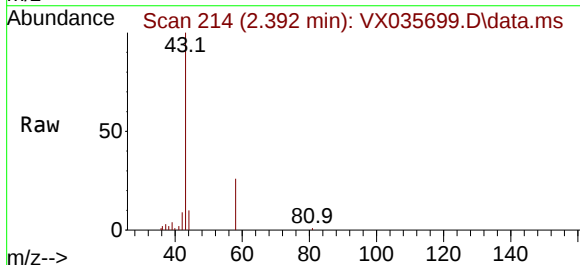
Instrument :
 MSVOA_X
 ClientSampleId :
 001-3

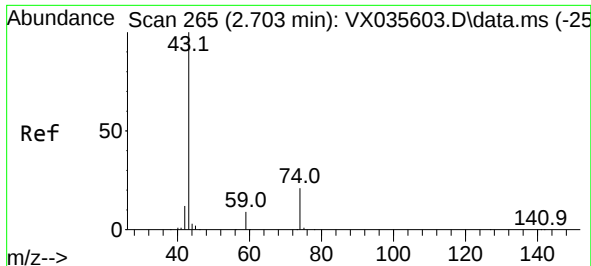
Tgt Ion: 41 Resp: 1244
 Ion Ratio Lower Upper
 41 100
 39 0.0 52.4 78.6#
 76 0.0 26.0 39.0#



#16
 Acetone
 Concen: 11.839 ug/l
 RT: 2.392 min Scan# 214
 Delta R.T. -0.000 min
 Lab File: VX035699.D
 Acq: 16 May 2023 18:22

Tgt Ion: 43 Resp: 15472
 Ion Ratio Lower Upper
 43 100
 58 26.4 24.7 37.1

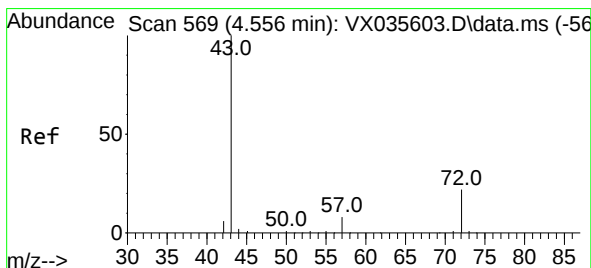
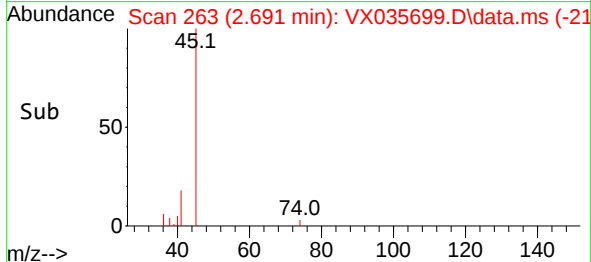
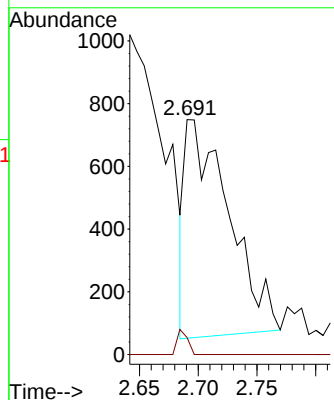
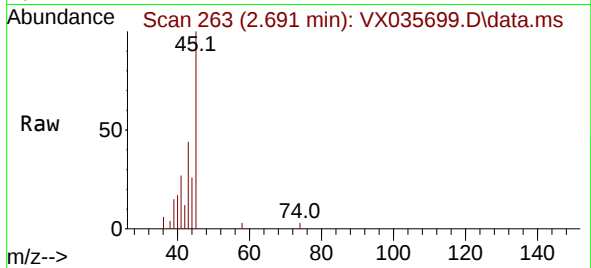




#18
Methyl Acetate
Concen: 0.375 ug/l
RT: 2.691 min Scan# 20
Delta R.T. -0.012 min
Lab File: VX035699.D
Acq: 16 May 2023 18:22

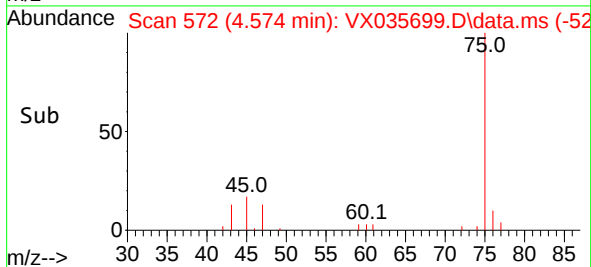
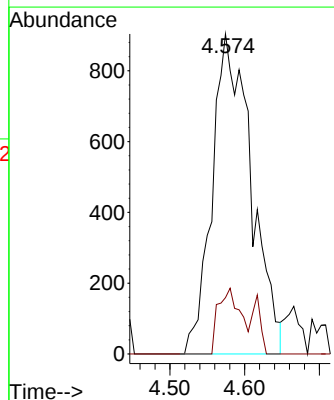
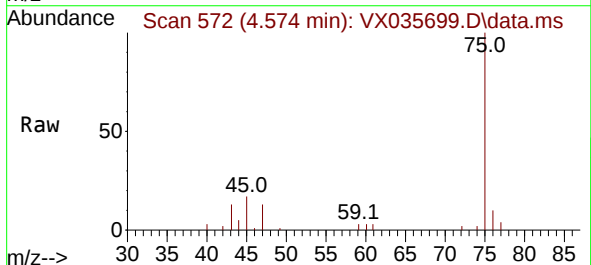
Instrument :
MSVOA_X
ClientSampleId :
001-3

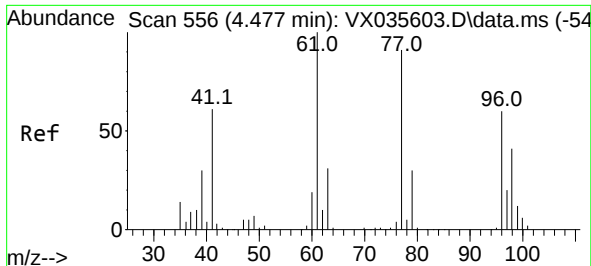
Tgt Ion: 43 Resp: 1806
Ion Ratio Lower Upper
43 100
74 2.7 18.3 27.5#



#25
2-Butanone
Concen: 1.817 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX035699.D
Acq: 16 May 2023 18:22

Tgt Ion: 43 Resp: 3288
Ion Ratio Lower Upper
43 100
72 17.6 19.3 28.9#





#26

2,2-Dichloropropane

Concen: 0.254 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.091 min

Lab File: VX035699.D

Acq: 16 May 2023 18:22

Instrument :

MSVOA_X

ClientSampleId :

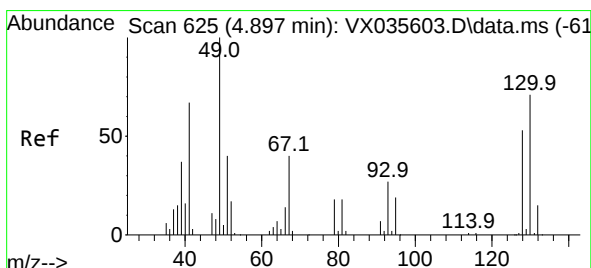
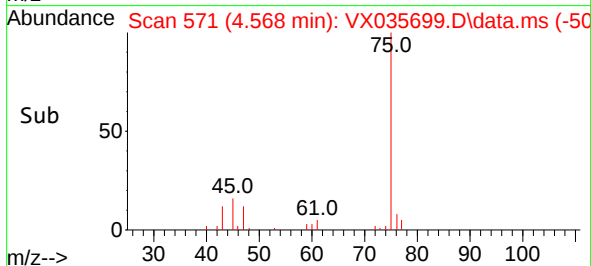
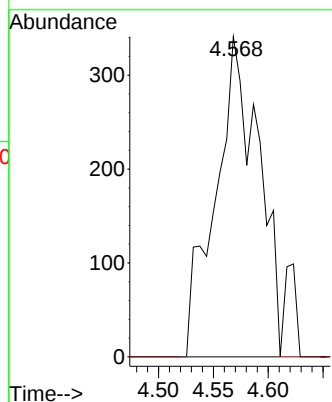
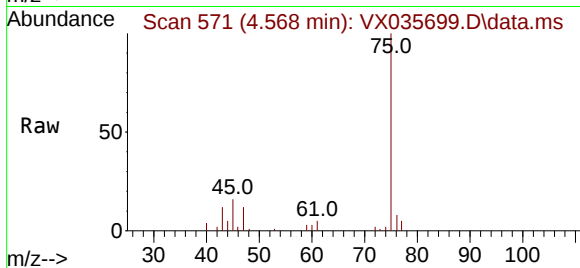
001-3

Tgt Ion: 77 Resp: 936

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.1#



#28

Bromochloromethane

Concen: 1.085 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.196 min

Lab File: VX035699.D

Acq: 16 May 2023 18:22

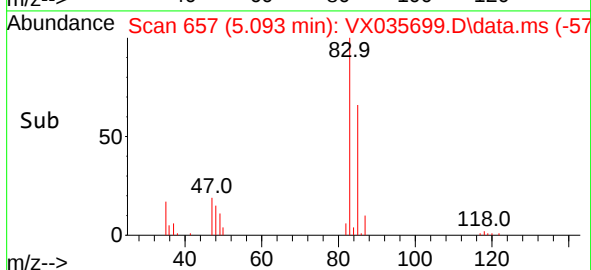
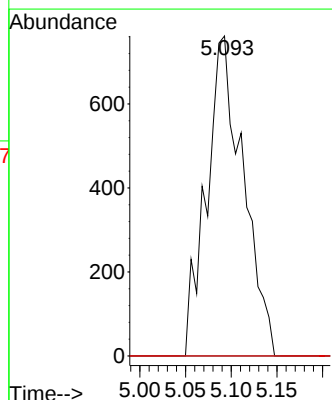
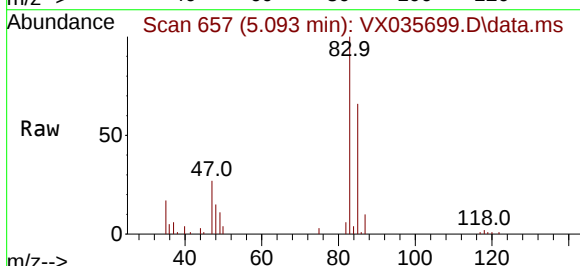
Tgt Ion: 49 Resp: 2126

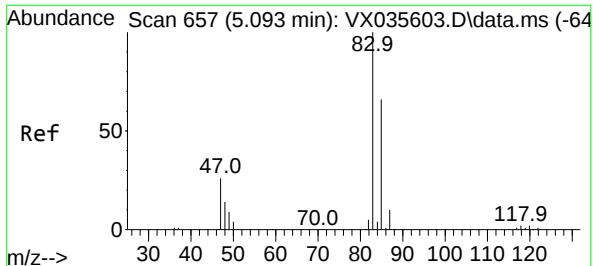
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

130 0.0 58.2 87.2#





#30

Chloroform

Concen: 4.840 ug/l

RT: 5.093 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX035699.D

Acq: 16 May 2023 18:22

Instrument :

MSVOA_X

ClientSampleId :

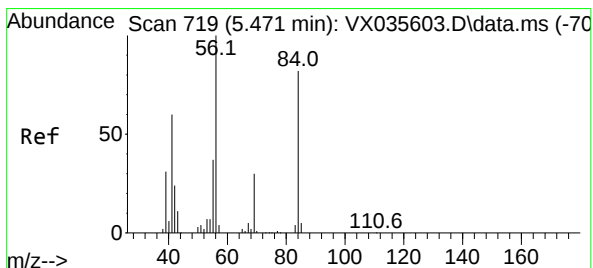
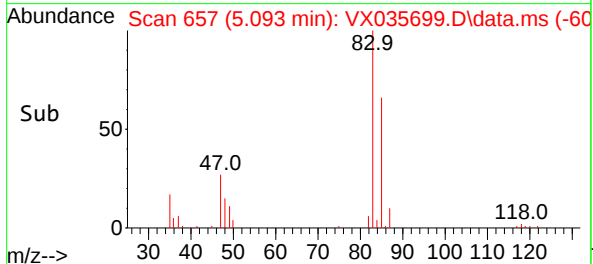
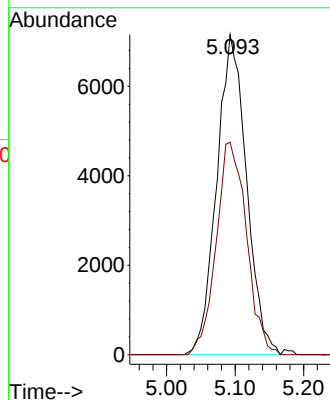
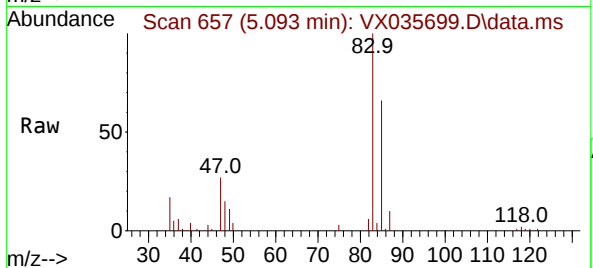
001-3

Tgt Ion: 83 Resp: 21596

Ion Ratio Lower Upper

83 100

85 66.4 50.6 76.0



#31

Cyclohexane

Concen: 1.305 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX035699.D

Acq: 16 May 2023 18:22

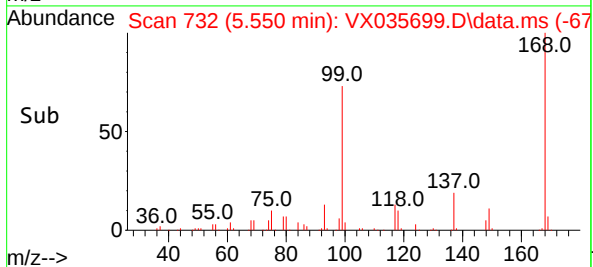
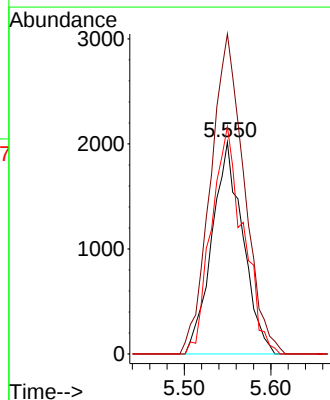
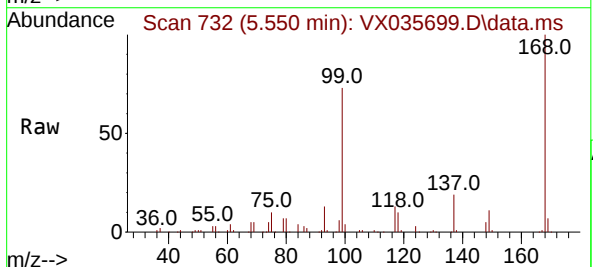
Tgt Ion: 56 Resp: 5014

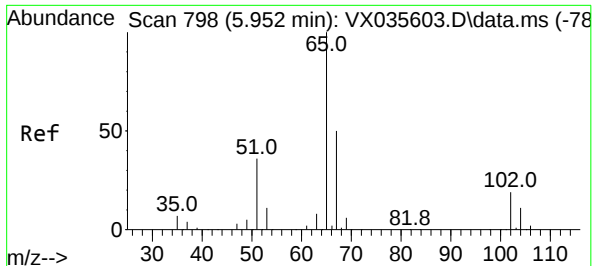
Ion Ratio Lower Upper

56 100

69 151.1 23.7 35.5#

84 107.4 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 49.082 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX035699.D

Acq: 16 May 2023 18:22

Instrument :

MSVOA_X

ClientSampleId :

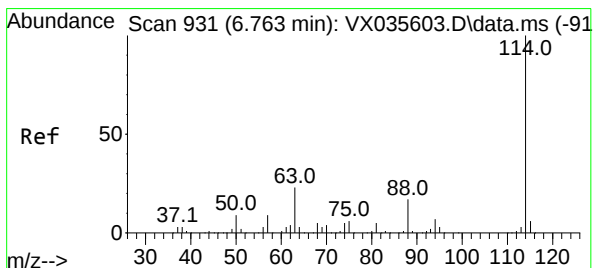
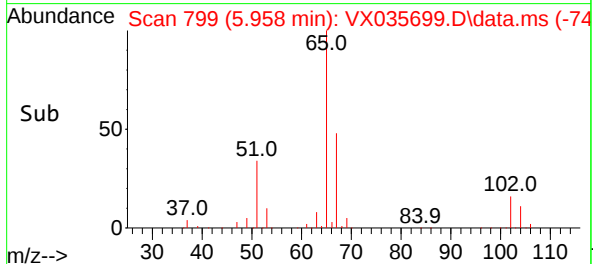
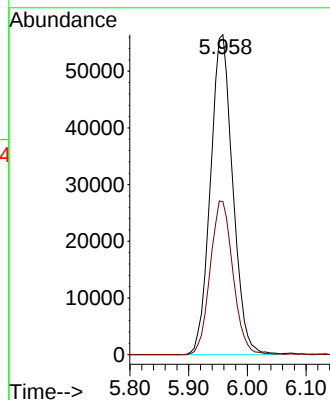
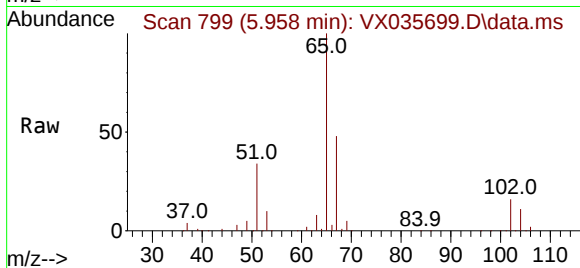
001-3

Tgt Ion: 65 Resp: 149243

Ion Ratio Lower Upper

65 100

67 49.0 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX035699.D

Acq: 16 May 2023 18:22

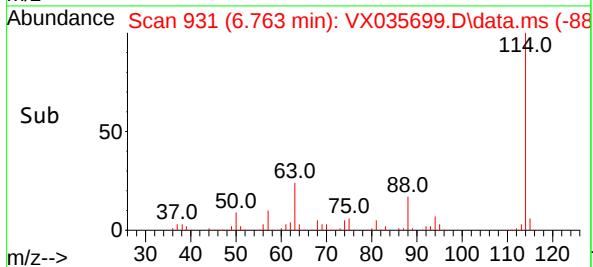
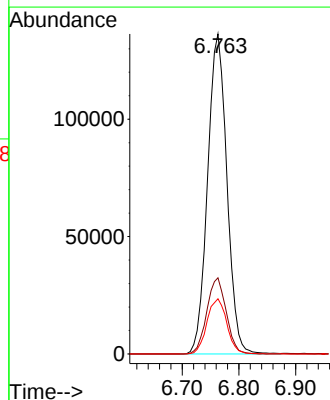
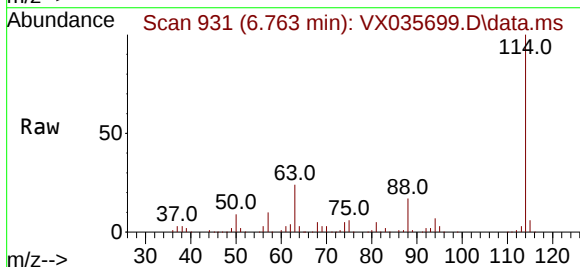
Tgt Ion: 114 Resp: 322655

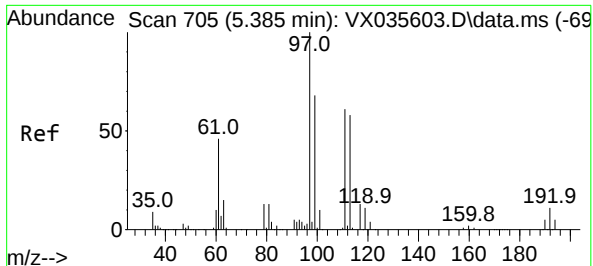
Ion Ratio Lower Upper

114 100

63 23.8 0.0 42.2

88 17.3 0.0 33.2

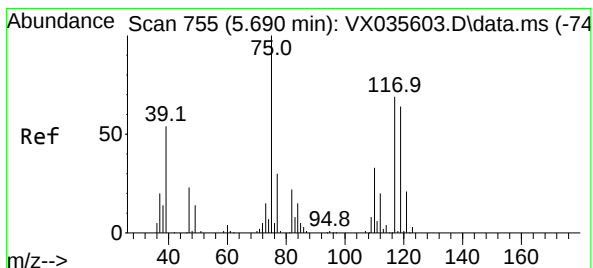
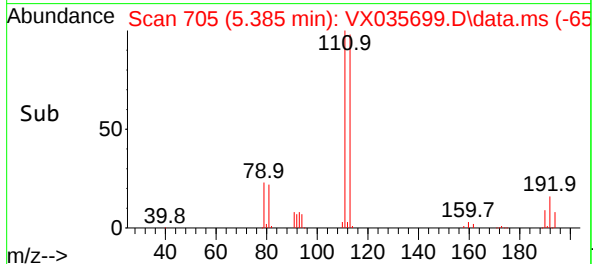
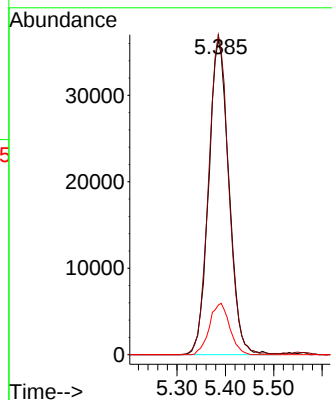
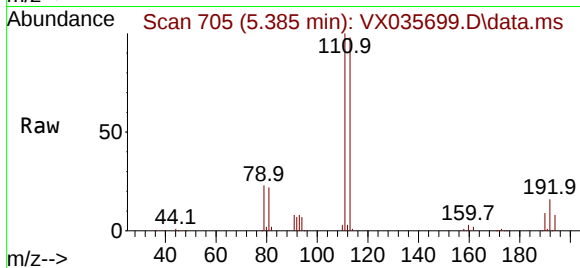




#35
Dibromofluoromethane
Concen: 48.734 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035699.D
Acq: 16 May 2023 18:22

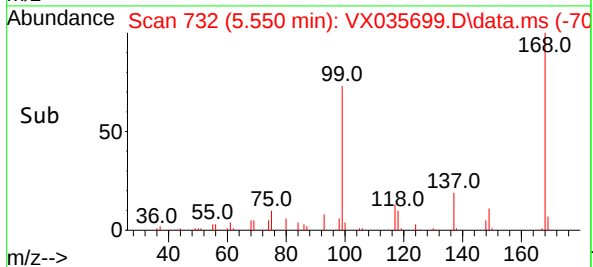
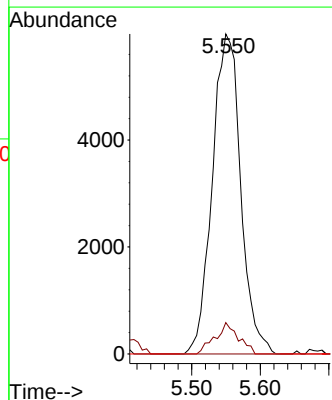
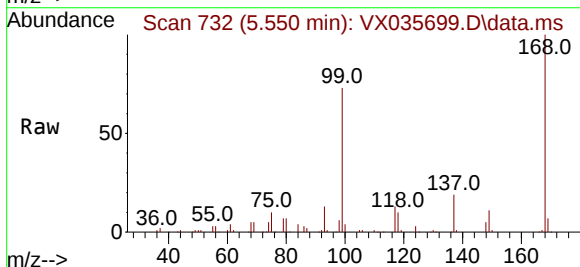
Instrument :
MSVOA_X
ClientSampleId :
001-3

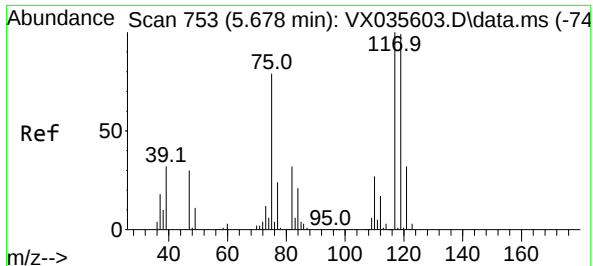
Tgt Ion:113 Resp: 106043
Ion Ratio Lower Upper
113 100
111 101.1 83.7 125.5
192 16.3 15.4 23.2



#36
1,1-Dichloropropene
Concen: 5.012 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX035699.D
Acq: 16 May 2023 18:22

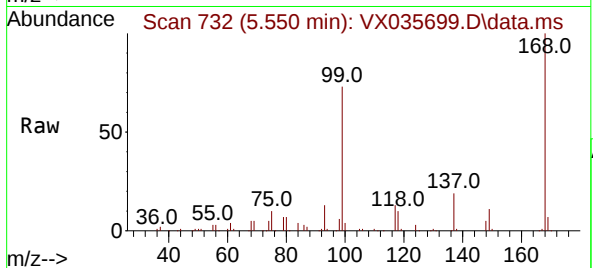
Tgt Ion: 75 Resp: 17215
Ion Ratio Lower Upper
75 100
110 8.0 17.5 52.5#
77 0.0 24.3 36.5#



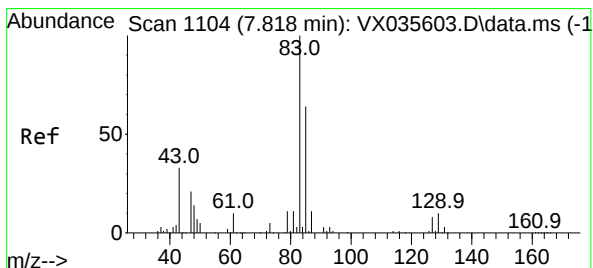
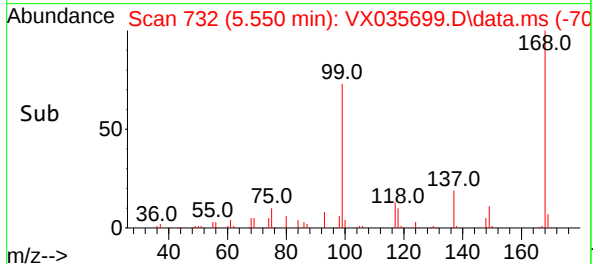
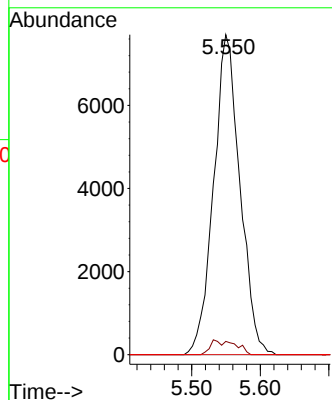


#38
Carbon Tetrachloride
Concen: 6.310 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX035699.D
Acq: 16 May 2023 18:22

Instrument :
MSVOA_X
ClientSampleId :
001-3

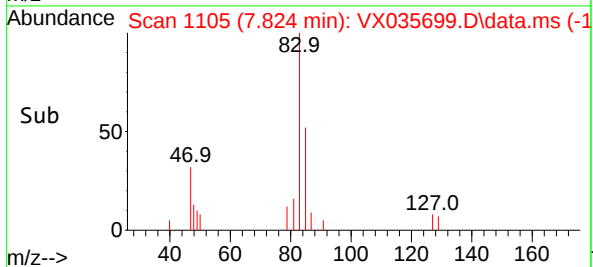
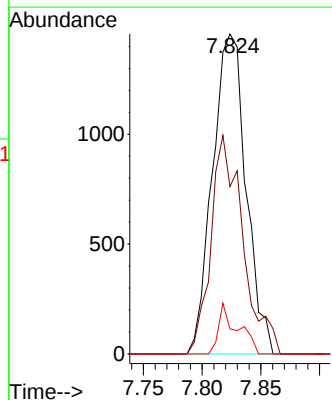
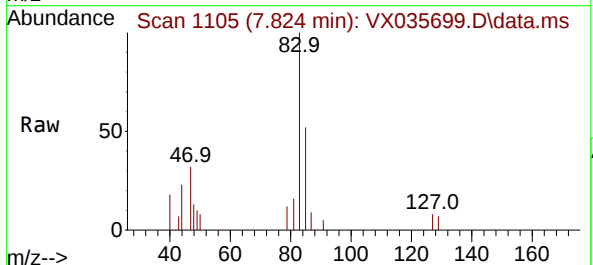


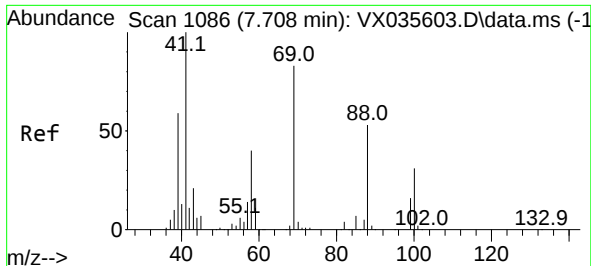
Tgt Ion:117 Resp: 20532
Ion Ratio Lower Upper
117 100
119 4.2 76.6 114.8#
121 0.0 23.8 35.6#



#47
Bromodichloromethane
Concen: 0.859 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX035699.D
Acq: 16 May 2023 18:22

Tgt Ion: 83 Resp: 2893
Ion Ratio Lower Upper
83 100
85 52.3 52.2 78.4
127 7.8 6.6 9.8





#49

1,4-Dioxane

Concen: 4.222 ug/l

RT: 7.726 min Scan# 1

Delta R.T. 0.018 min

Lab File: VX035699.D

Acq: 16 May 2023 18:22

Instrument :

MSVOA_X

ClientSampleId :

001-3

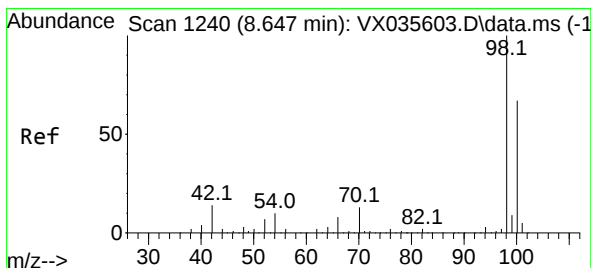
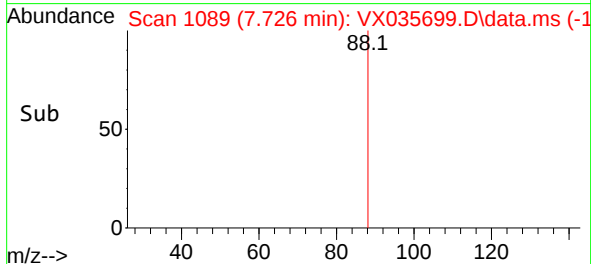
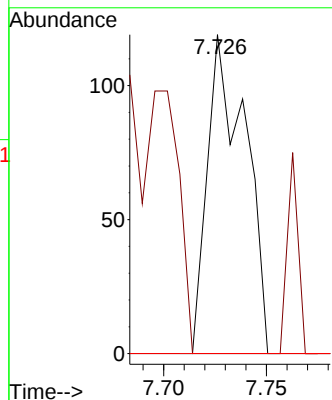
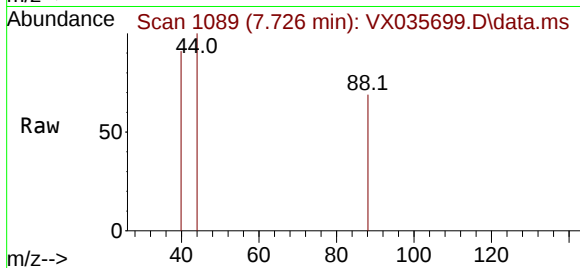
Tgt Ion: 88 Resp: 152

Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

58 0.0 56.8 85.2#



#50

Toluene-d8

Concen: 48.483 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX035699.D

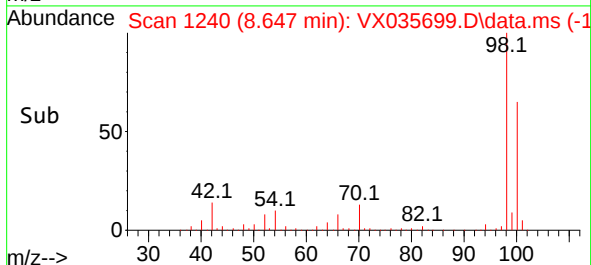
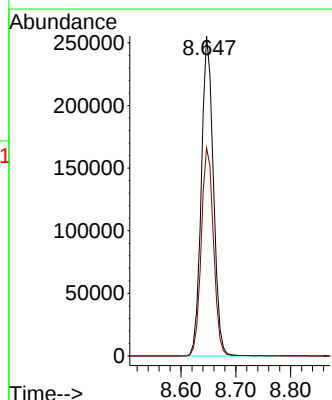
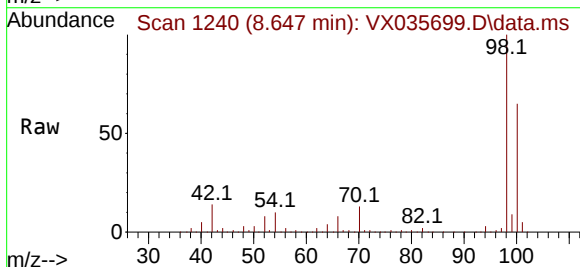
Acq: 16 May 2023 18:22

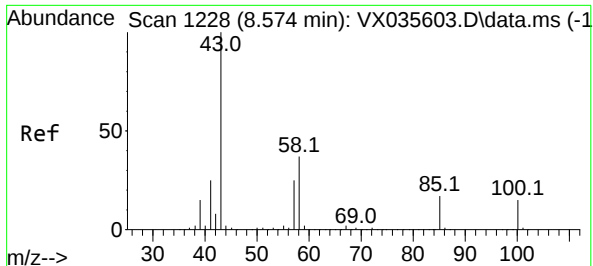
Tgt Ion: 98 Resp: 389735

Ion Ratio Lower Upper

98 100

100 66.2 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 1.418 ug/l

RT: 8.561 min Scan# 1226

Delta R.T. -0.013 min

Lab File: VX035699.D

Acq: 16 May 2023 18:22

Instrument :

MSVOA_X

ClientSampleId :

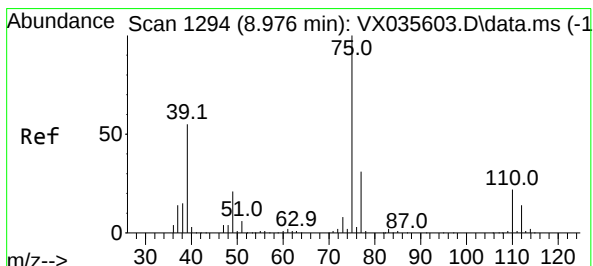
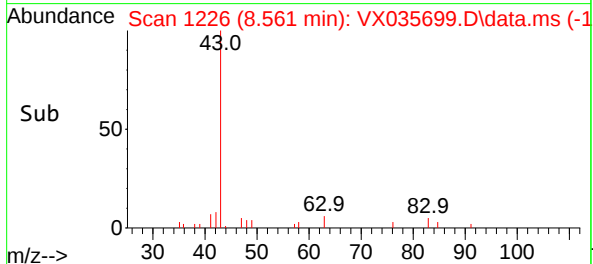
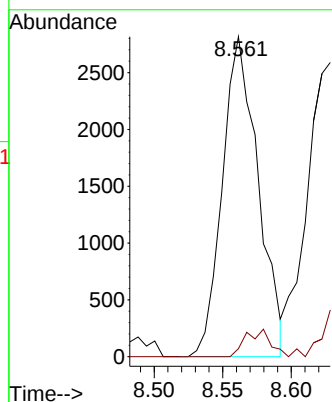
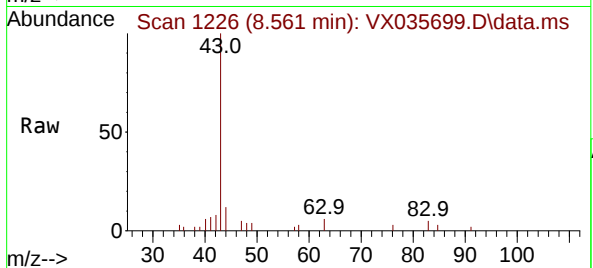
001-3

Tgt Ion: 43 Resp: 5105

Ion Ratio Lower Upper

43 100

58 6.0 30.6 46.0#



#53

t-1,3-Dichloropropene

Concen: 0.475 ug/l

RT: 8.994 min Scan# 1297

Delta R.T. 0.018 min

Lab File: VX035699.D

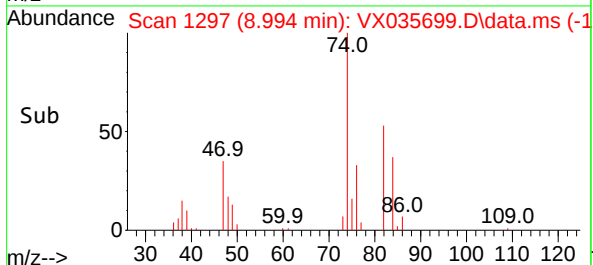
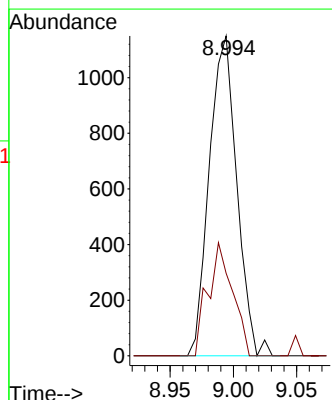
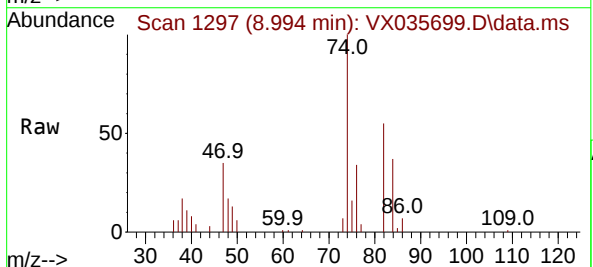
Acq: 16 May 2023 18:22

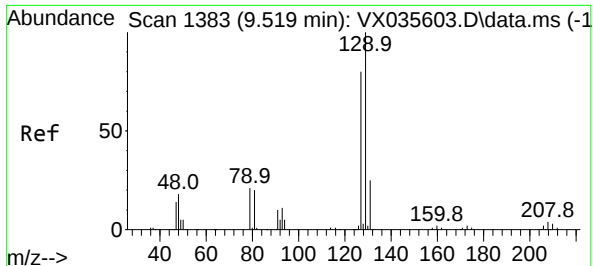
Tgt Ion: 75 Resp: 1739

Ion Ratio Lower Upper

75 100

77 25.8 25.4 38.2

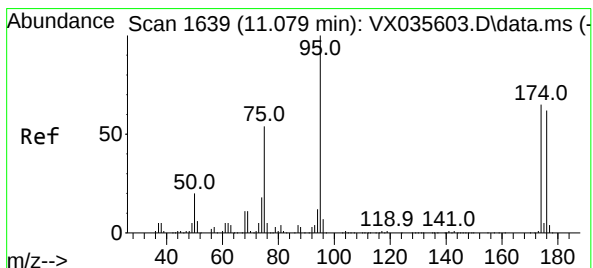
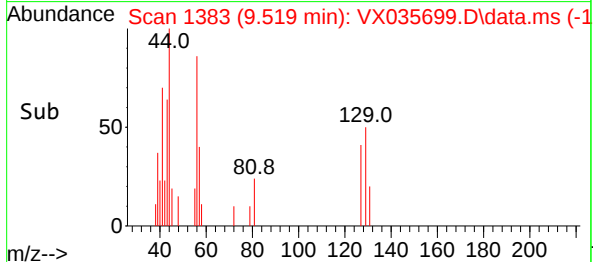
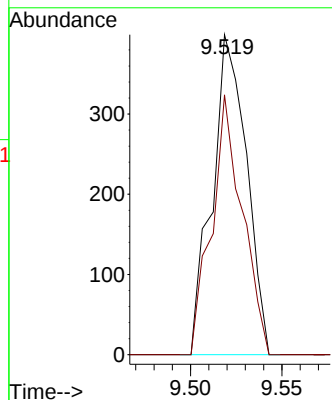
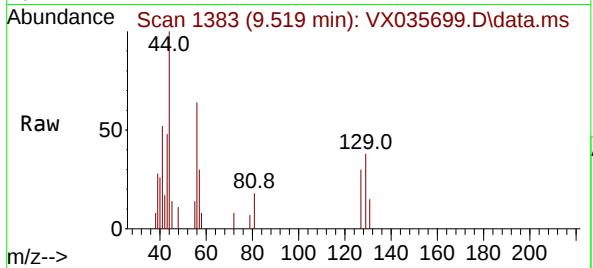




#60
Dibromochloromethane
Concen: 0.230 ug/l
RT: 9.519 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035699.D
Acq: 16 May 2023 18:22

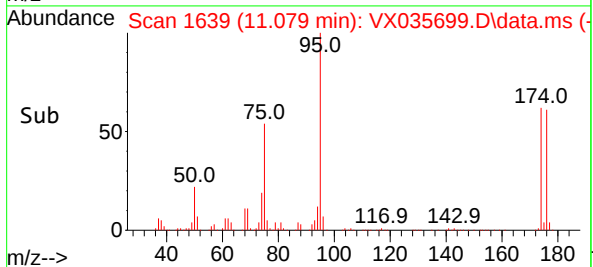
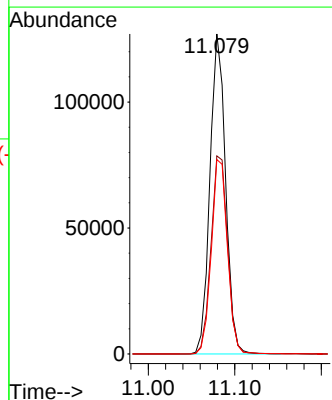
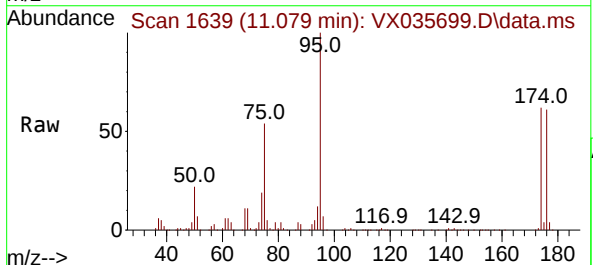
Instrument :
MSVOA_X
ClientSampleId :
001-3

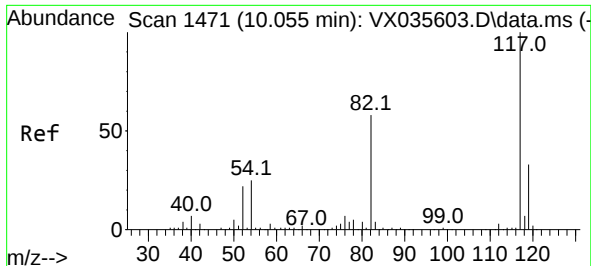
Tgt Ion:129 Resp: 522
Ion Ratio Lower Upper
129 100
127 72.4 39.0 117.0



#62
4-Bromofluorobenzene
Concen: 49.190 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035699.D
Acq: 16 May 2023 18:22

Tgt Ion: 95 Resp: 159213
Ion Ratio Lower Upper
95 100
174 65.6 0.0 147.4
176 62.8 0.0 140.6

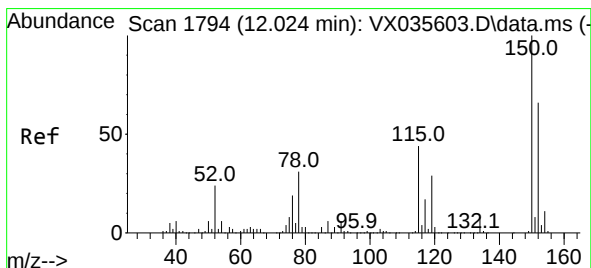
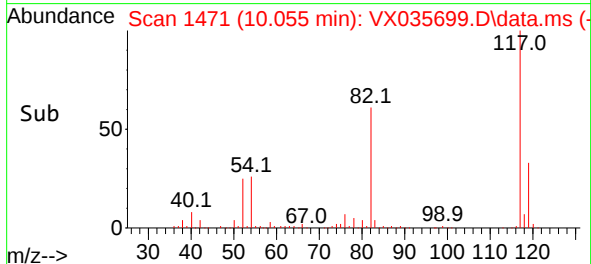
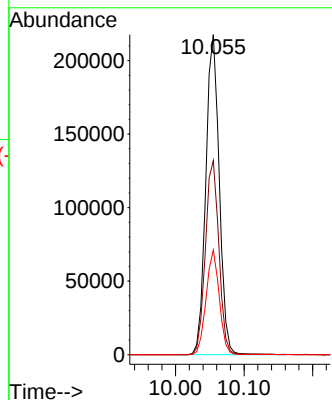
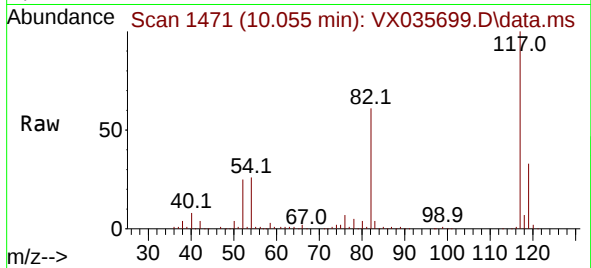




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035699.D
Acq: 16 May 2023 18:22

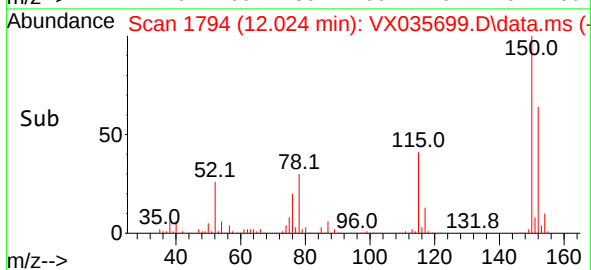
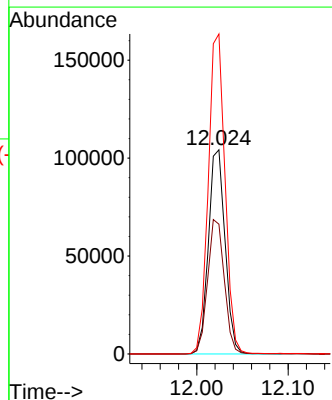
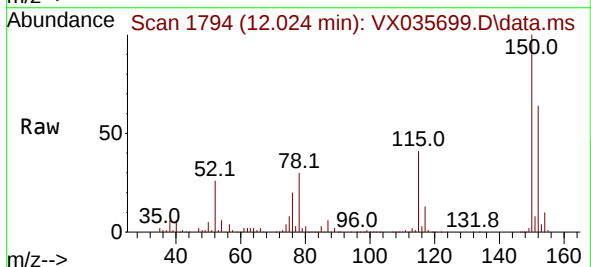
Instrument :
MSVOA_X
ClientSampleId :
001-3

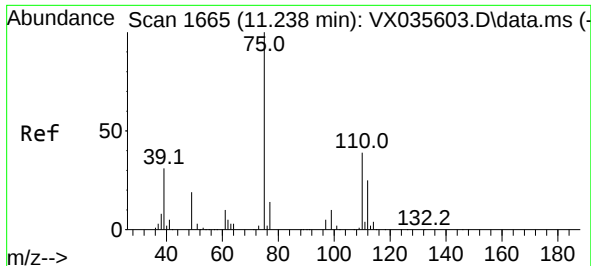
Tgt Ion:117 Resp: 297001
Ion Ratio Lower Upper
117 100
82 60.7 45.0 67.4
119 32.7 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035699.D
Acq: 16 May 2023 18:22

Tgt Ion:152 Resp: 132372
Ion Ratio Lower Upper
152 100
115 65.8 45.0 135.0
150 156.9 0.0 352.4

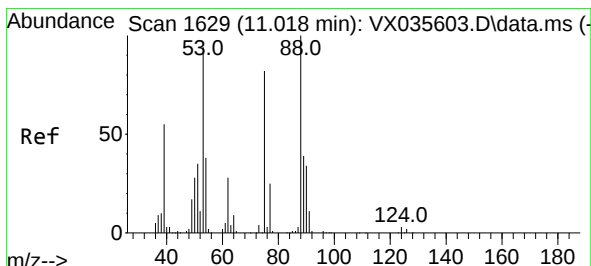
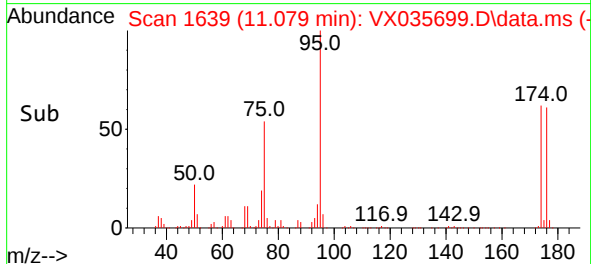
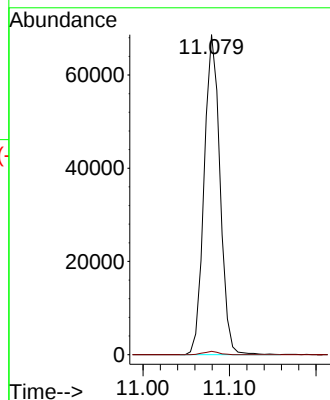
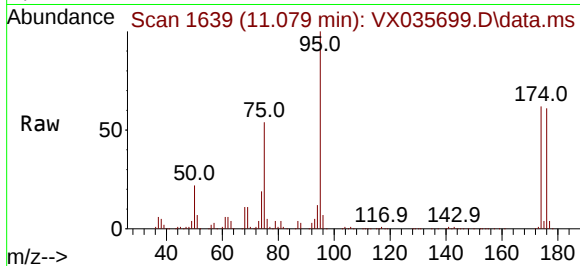




#76
1,2,3-Trichloropropane
Concen: 26.986 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX035699.D
Acq: 16 May 2023 18:22

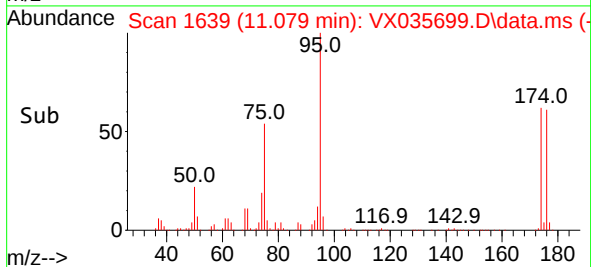
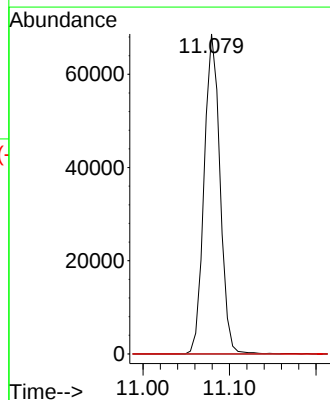
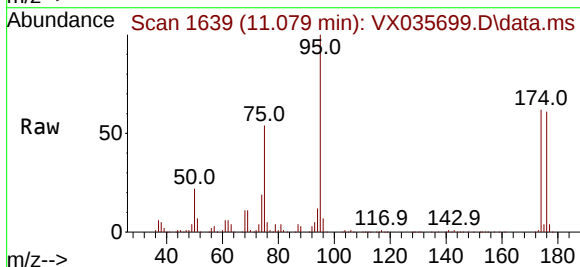
Instrument :
MSVOA_X
ClientSampleId :
001-3

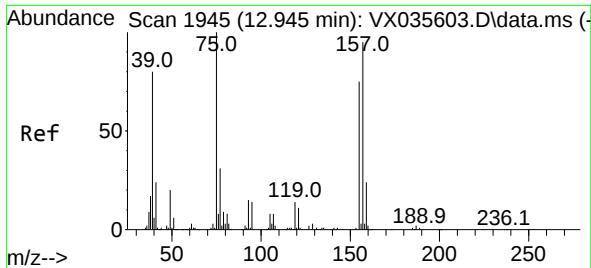
Tgt Ion: 75 Resp: 87377
Ion Ratio Lower Upper
75 100
77 1.0 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.972 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035699.D
Acq: 16 May 2023 18:22

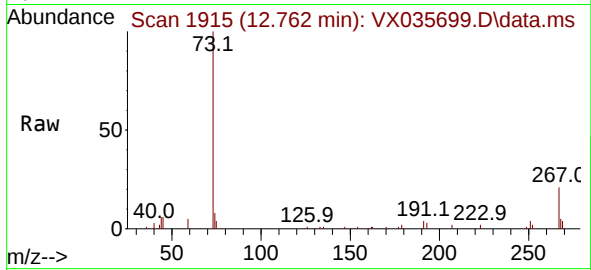
Tgt Ion: 75 Resp: 87377
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.566 ug/l
 RT: 12.762 min Scan# 1915
 Delta R.T. -0.183 min
 Lab File: VX035699.D
 Acq: 16 May 2023 18:22

Instrument :
 MSVOA_X
 ClientSampleId :
 001-3



Tgt Ion:	75	Resp:	456
Ion	Ratio	Lower	Upper
75	100		
155	5.7	38.4	115.1#
157	0.0	49.9	149.7#

