

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051623\
 Data File : VX035695.D
 Acq On : 16 May 2023 16:49
 Operator : JC/MD
 Sample : 02615-03RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 003-1

Quant Time: May 17 05:32:41 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)

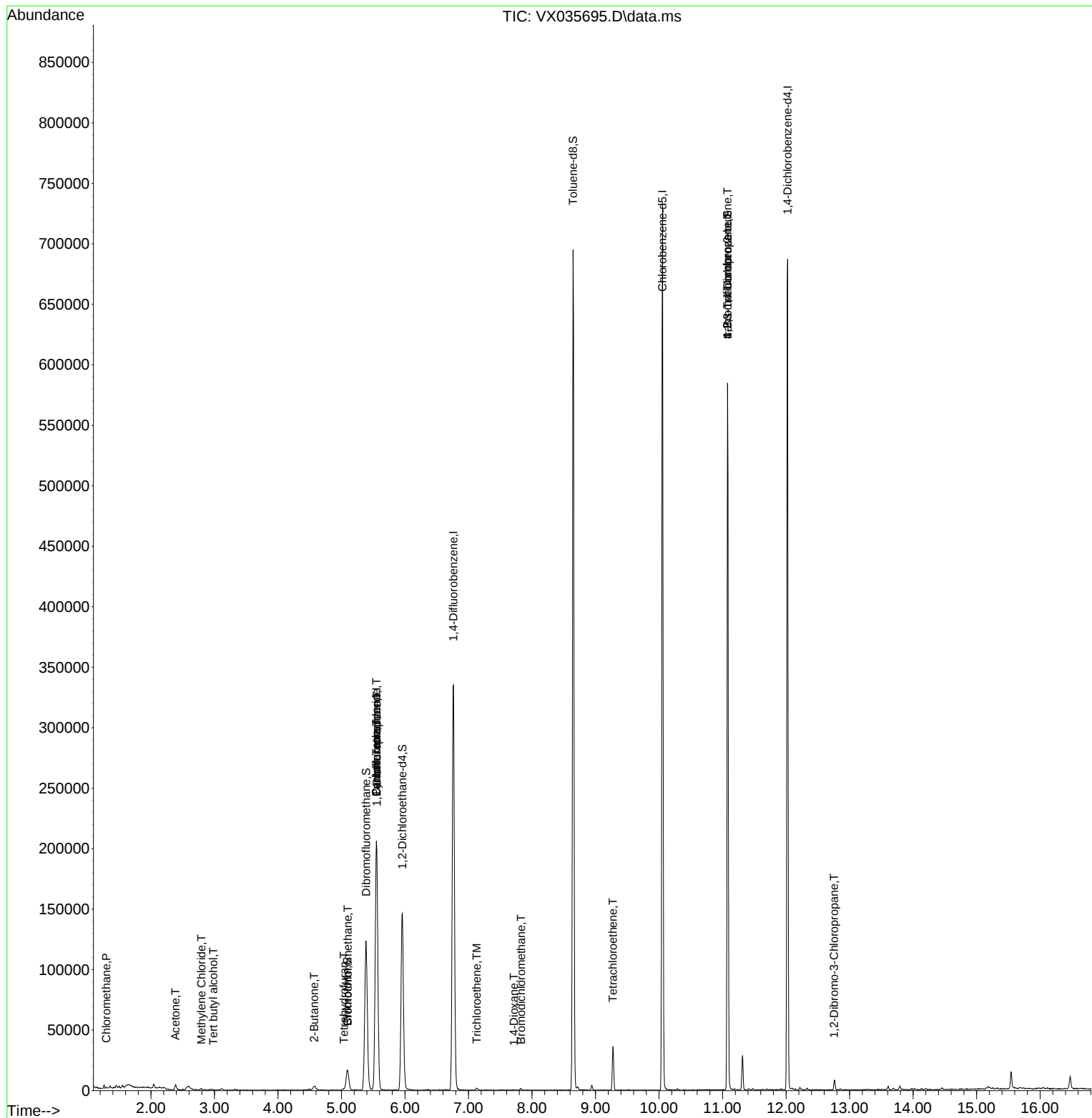
Internal Standards						
1) Pentafluorobenzene	5.550	168	176117	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	323841	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	293311	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	129057	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	148625	48.374	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.740%
35) Dibromofluoromethane	5.385	113	104479	47.839	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.680%
50) Toluene-d8	8.647	98	388999	48.214	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.420%
62) 4-Bromofluorobenzene	11.079	95	156673	48.228	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.460%
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	657	0.236	ug/l	92
11) Tert butyl alcohol	2.983	59	236	0.435	ug/l	# 73
16) Acetone	2.386	43	4964	3.759	ug/l	95
20) Methylene Chloride	2.794	84	605	0.253	ug/l	# 64
25) 2-Butanone	4.568	43	408	0.223	ug/l	# 51
28) Bromochloromethane	5.099	49	1990	1.006	ug/l	# 15
29) Tetrahydrofuran	5.038	42	896	0.780	ug/l	# 67
30) Chloroform	5.092	83	20217	4.484	ug/l	97
31) Cyclohexane	5.550	56	5090	1.311	ug/l	# 29
36) 1,1-Dichloropropene	5.556	75	16560	4.804	ug/l	# 51
38) Carbon Tetrachloride	5.550	117	20669	6.329	ug/l	# 16
44) Trichloroethene	7.129	130	640	0.262	ug/l	83
47) Bromodichloromethane	7.830	83	949	0.281	ug/l	# 77
49) 1,4-Dioxane	7.714	88	258	5.758	ug/l	# 32
64) Tetrachloroethene	9.275	164	885	0.448	ug/l	# 84
76) 1,2,3-Trichloropropane	11.079	75	88276	27.964	ug/l	# 34
81) trans-1,4-Dichloro-2-b...	11.079	75	88276	90.124	ug/l	# 8
92) 1,2-Dibromo-3-Chloropr...	12.756	75	361	0.460	ug/l	# 12

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

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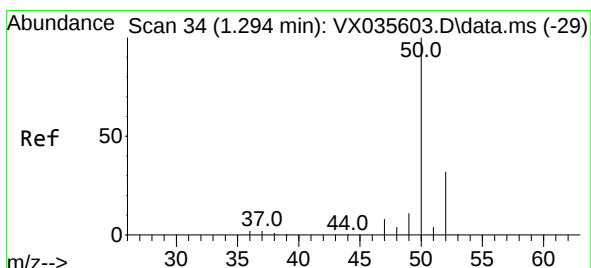
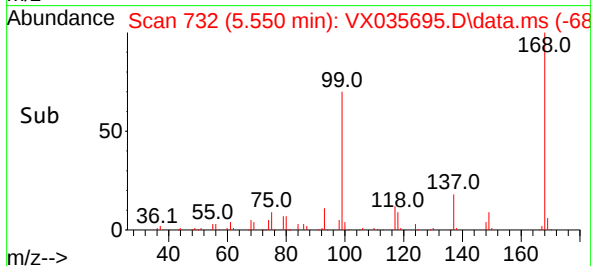
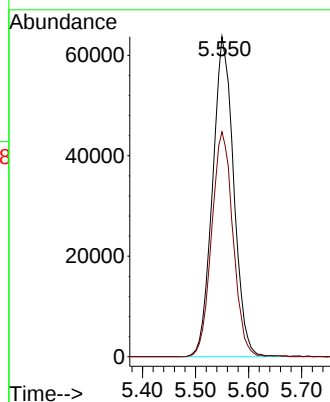
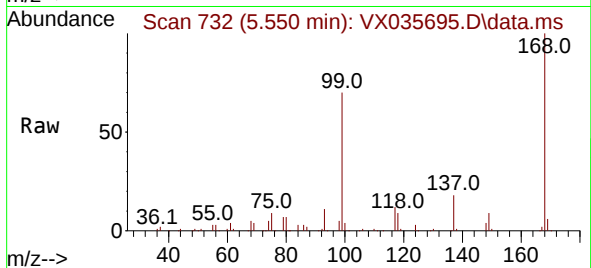




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX035695.D
Acq: 16 May 2023 16:49

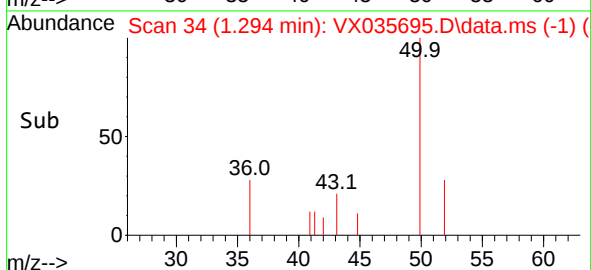
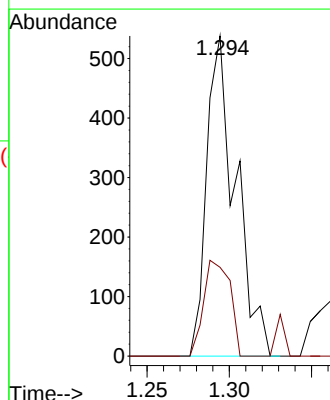
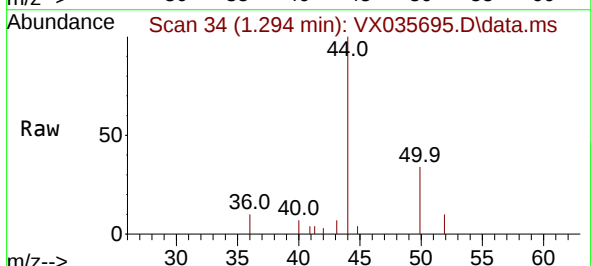
Instrument :
MSVOA_X
ClientSampleId :
003-1

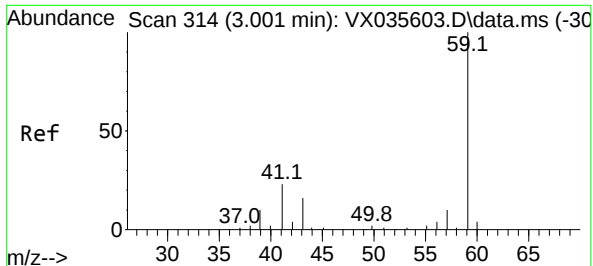
Tgt Ion:168 Resp: 176117
Ion Ratio Lower Upper
168 100
99 70.3 45.7 68.5#



#3
Chloromethane
Concen: 0.236 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX035695.D
Acq: 16 May 2023 16:49

Tgt Ion: 50 Resp: 657
Ion Ratio Lower Upper
50 100
52 27.7 25.9 38.9





#11

Tert butyl alcohol

Concen: 0.435 ug/l

RT: 2.983 min Scan# 31

Delta R.T. -0.018 min

Lab File: VX035695.D

Acq: 16 May 2023 16:49

Instrument :

MSVOA_X

ClientSampleId :

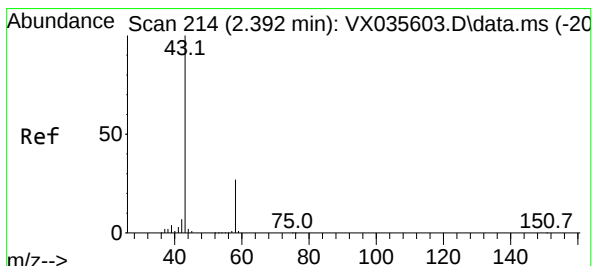
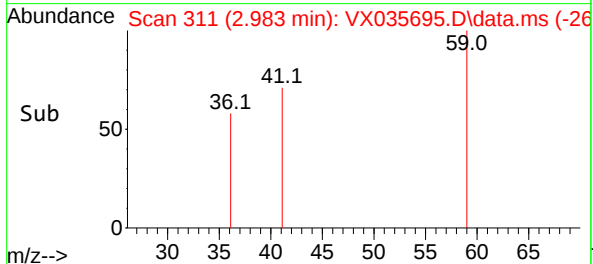
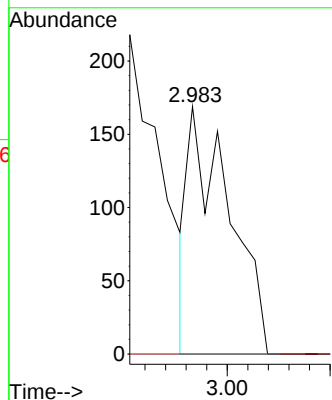
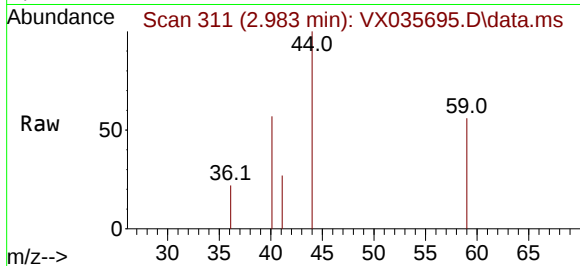
003-1

Tgt Ion: 59 Resp: 236

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#16

Acetone

Concen: 3.759 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX035695.D

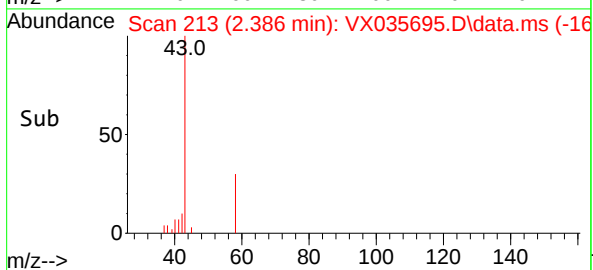
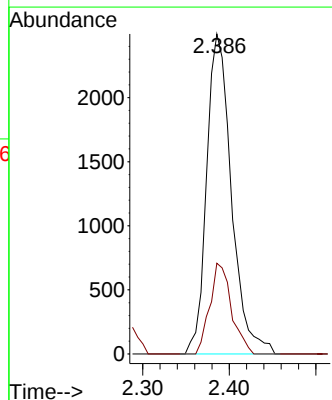
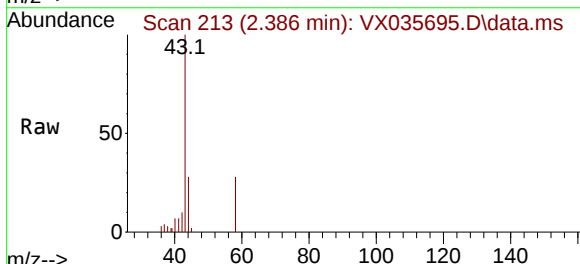
Acq: 16 May 2023 16:49

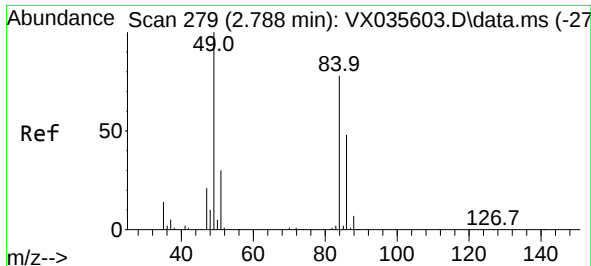
Tgt Ion: 43 Resp: 4964

Ion Ratio Lower Upper

43 100

58 28.4 24.7 37.1

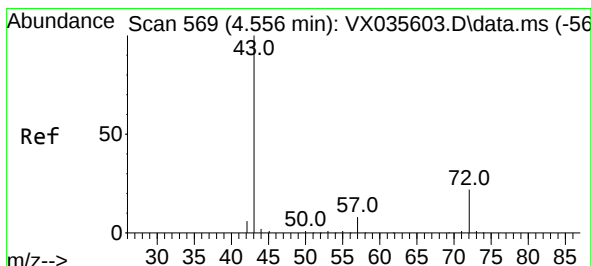
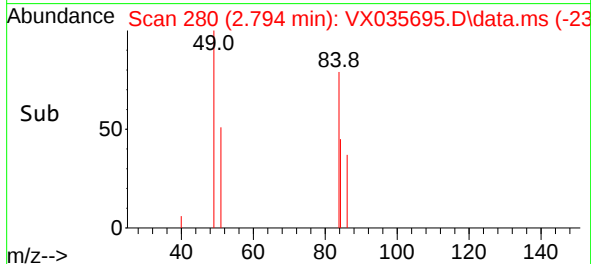
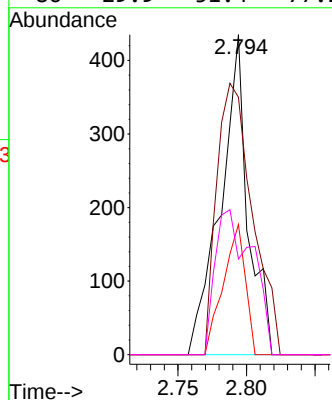
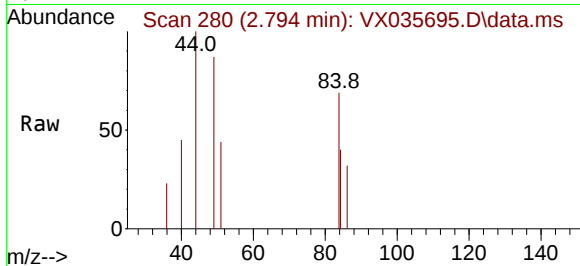




#20
Methylene Chloride
Concen: 0.253 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX035695.D
Acq: 16 May 2023 16:49

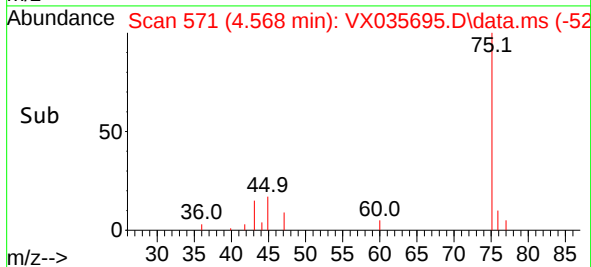
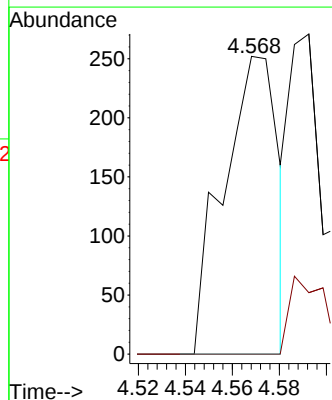
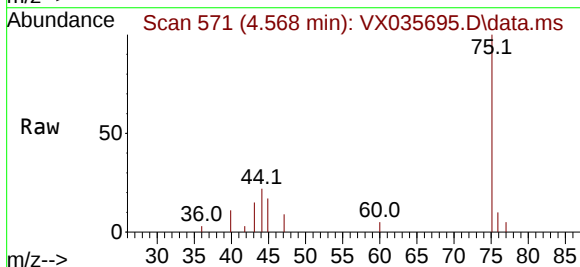
Instrument :
MSVOA_X
ClientSampleId :
003-1

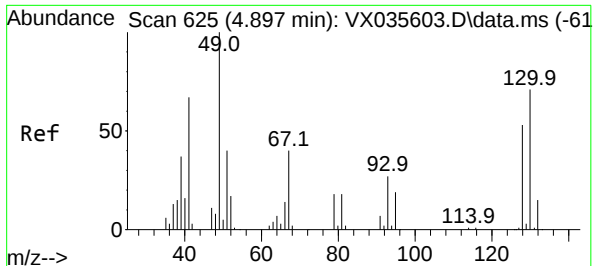
Tgt Ion:	84	Resp:	605
Ion	Ratio	Lower	Upper
84	100		
49	80.5	103.8	155.8#
51	40.7	31.8	47.8
86	29.9	51.4	77.2#



#25
2-Butanone
Concen: 0.223 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX035695.D
Acq: 16 May 2023 16:49

Tgt Ion:	43	Resp:	408
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.3	28.9#

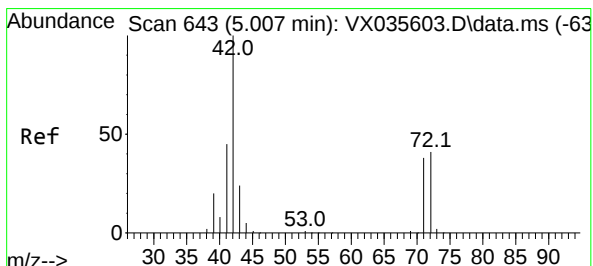
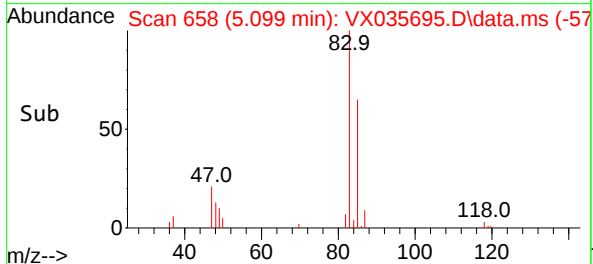
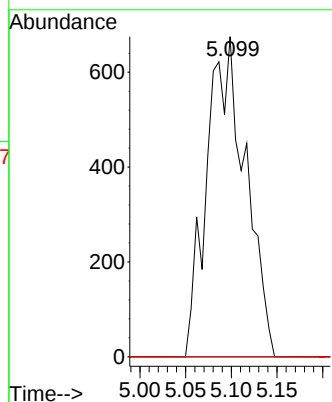
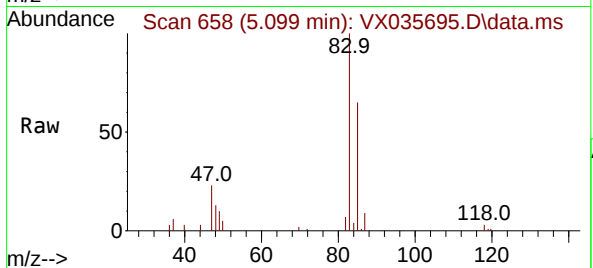




#28
Bromochloromethane
Concen: 1.006 ug/l
RT: 5.099 min Scan# 61
Delta R.T. 0.202 min
Lab File: VX035695.D
Acq: 16 May 2023 16:49

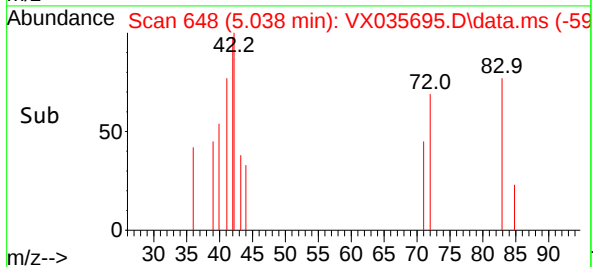
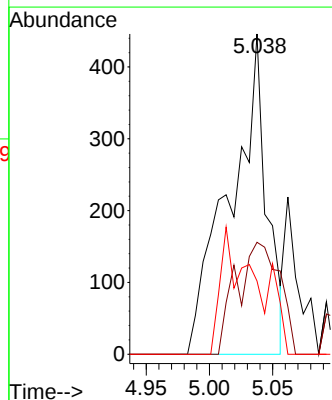
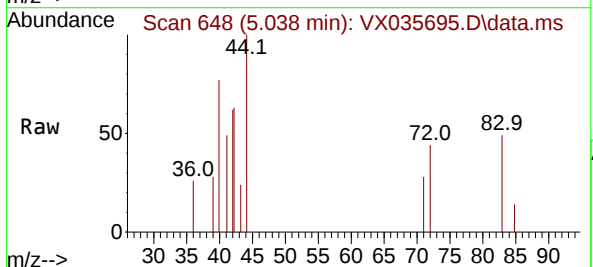
Instrument :
MSVOA_X
ClientSampleId :
003-1

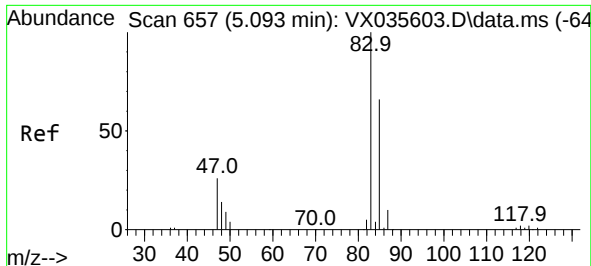
Tgt Ion: 49 Resp: 1990
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 58.2 87.2#



#29
Tetrahydrofuran
Concen: 0.780 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.031 min
Lab File: VX035695.D
Acq: 16 May 2023 16:49

Tgt Ion: 42 Resp: 896
Ion Ratio Lower Upper
42 100
72 41.1 34.5 51.7
71 0.0 32.1 48.1#





#30

Chloroform

Concen: 4.484 ug/l

RT: 5.092 min Scan# 61

Delta R.T. -0.001 min

Lab File: VX035695.D

Acq: 16 May 2023 16:49

Instrument :

MSVOA_X

ClientSampleId :

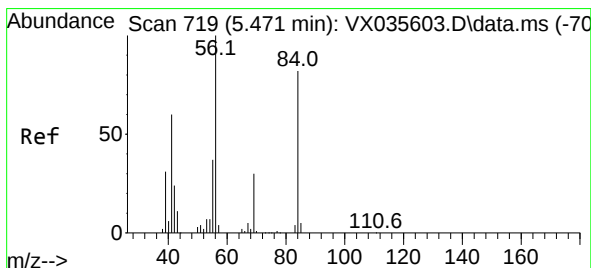
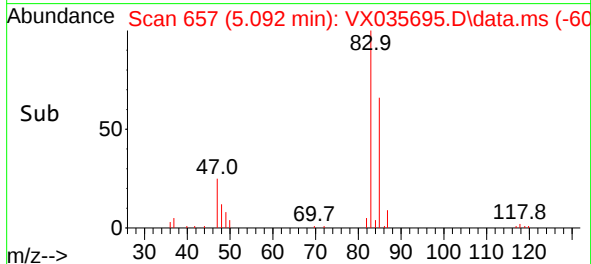
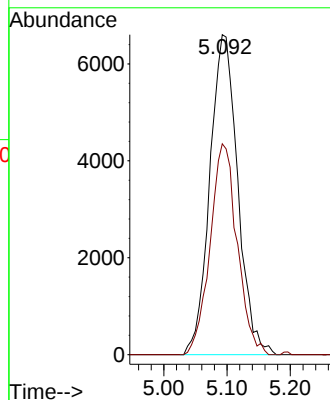
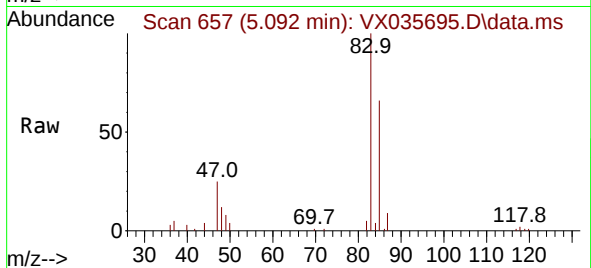
003-1

Tgt Ion: 83 Resp: 20217

Ion Ratio Lower Upper

83 100

85 65.9 50.6 76.0



#31

Cyclohexane

Concen: 1.311 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX035695.D

Acq: 16 May 2023 16:49

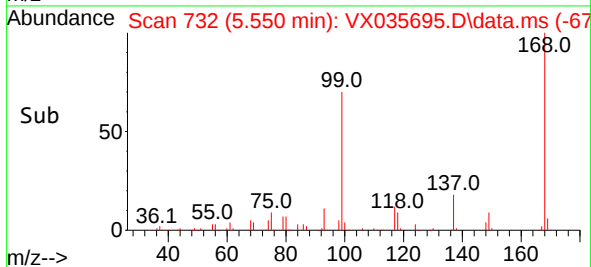
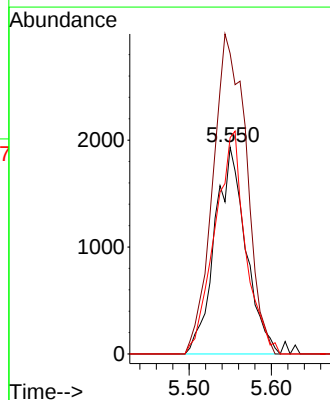
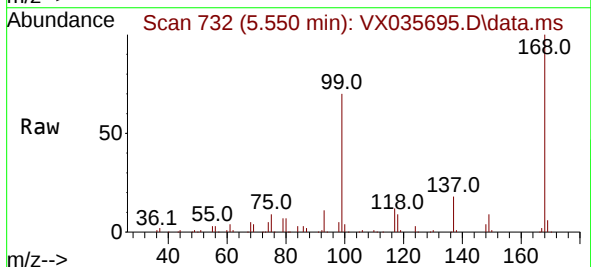
Tgt Ion: 56 Resp: 5090

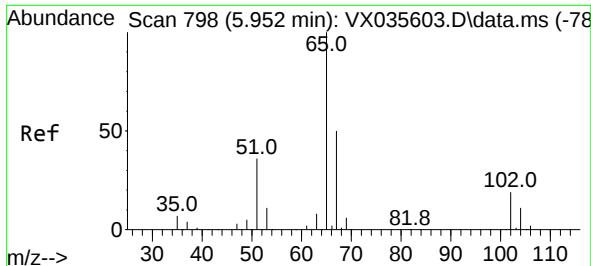
Ion Ratio Lower Upper

56 100

69 145.4 23.7 35.5#

84 104.7 68.5 102.7#

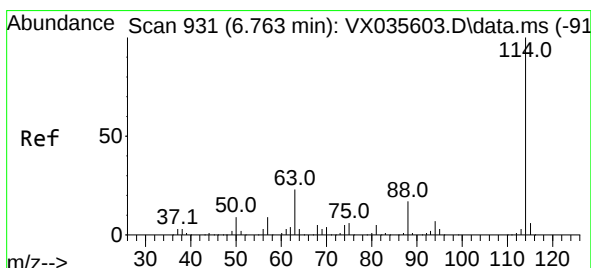
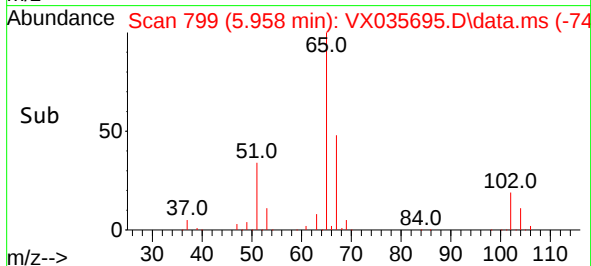
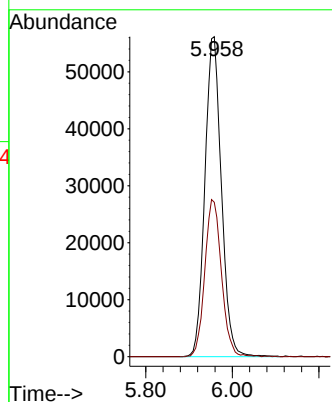
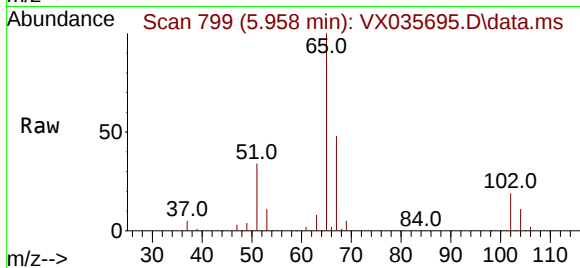




#33
 1,2-Dichloroethane-d4
 Concen: 48.374 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX035695.D
 Acq: 16 May 2023 16:49

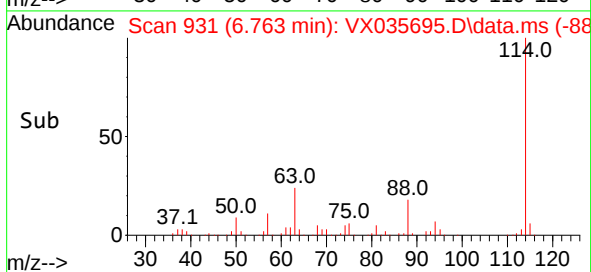
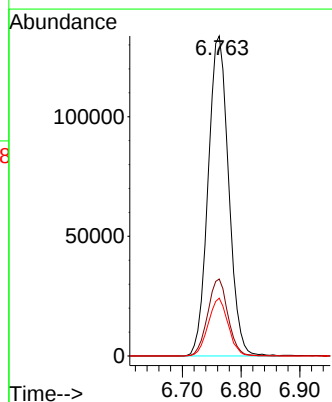
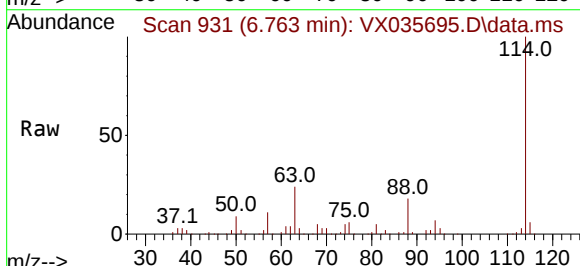
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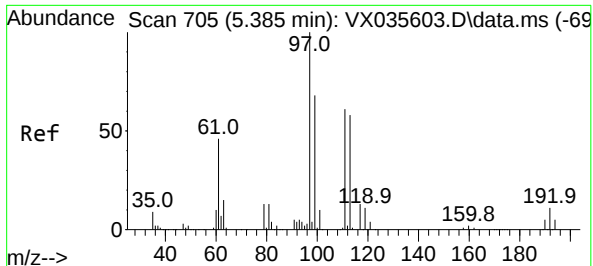
Tgt Ion: 65 Resp: 148625
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX035695.D
 Acq: 16 May 2023 16:49

Tgt Ion: 114 Resp: 323841
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 42.2
 88 18.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.839 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX035695.D

Acq: 16 May 2023 16:49

Instrument :

MSVOA_X

ClientSampleId :

003-1

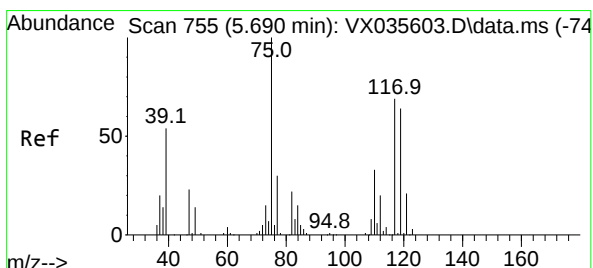
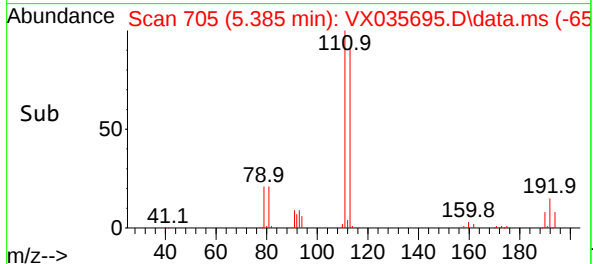
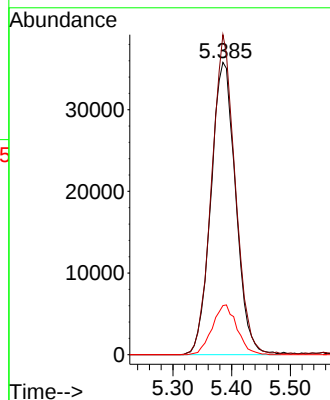
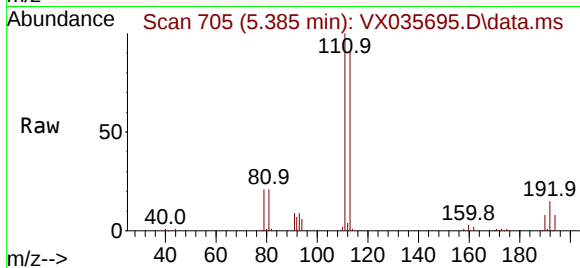
Tgt Ion:113 Resp: 104479

Ion Ratio Lower Upper

113 100

111 104.6 83.7 125.5

192 17.1 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.804 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX035695.D

Acq: 16 May 2023 16:49

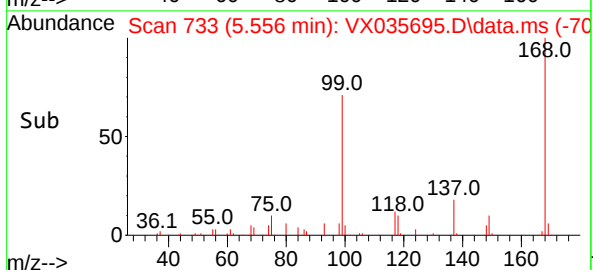
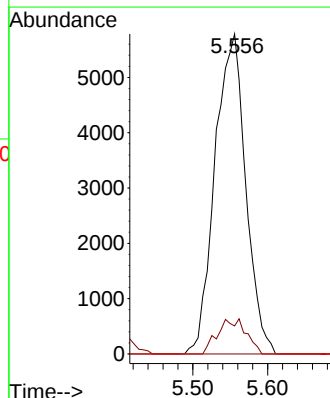
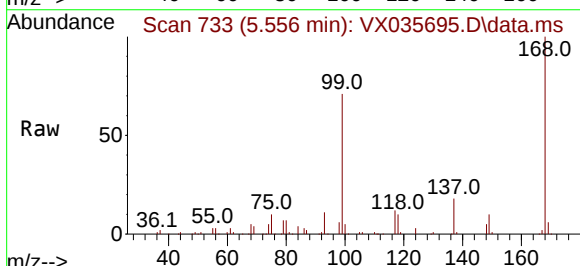
Tgt Ion: 75 Resp: 16560

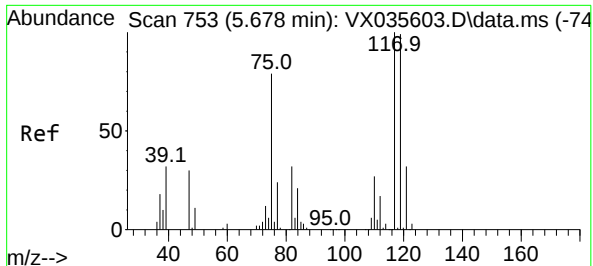
Ion Ratio Lower Upper

75 100

110 10.2 17.5 52.5#

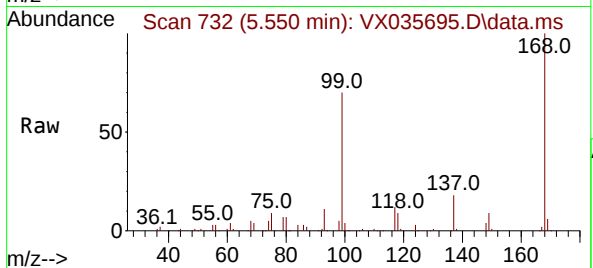
77 0.0 24.3 36.5#



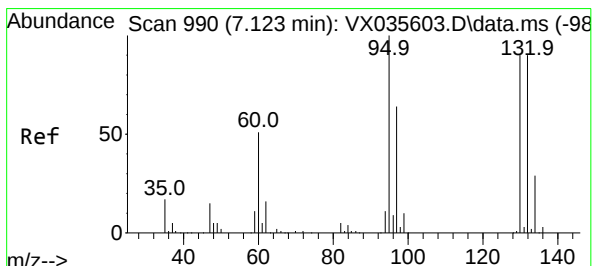
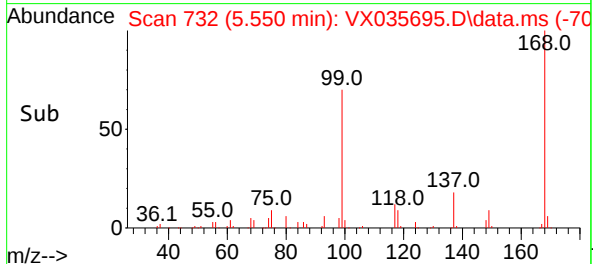
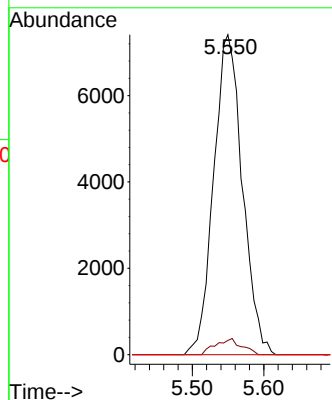


#38
Carbon Tetrachloride
Concen: 6.329 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX035695.D
Acq: 16 May 2023 16:49

Instrument :
MSVOA_X
ClientSampleId :
003-1

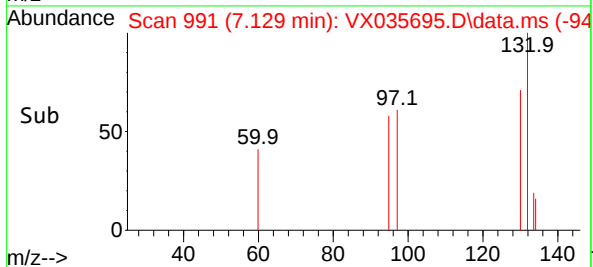
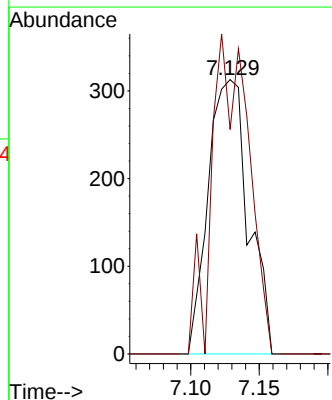
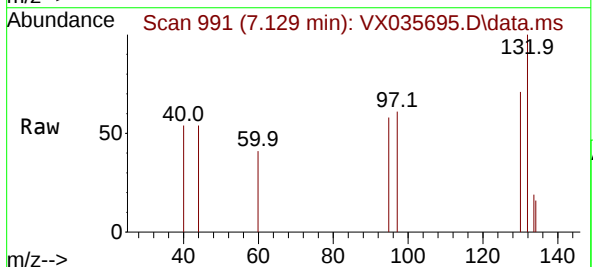


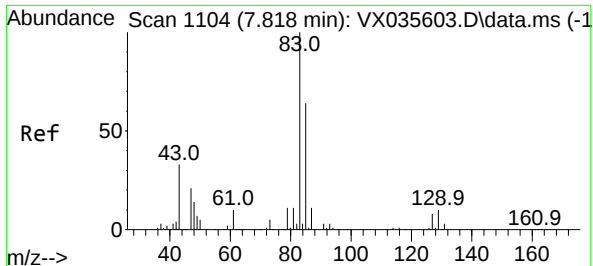
Tgt Ion:117 Resp: 20669
Ion Ratio Lower Upper
117 100
119 4.4 76.6 114.8#
121 0.0 23.8 35.6#



#44
Trichloroethene
Concen: 0.262 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX035695.D
Acq: 16 May 2023 16:49

Tgt Ion:130 Resp: 640
Ion Ratio Lower Upper
130 100
95 81.8 0.0 198.4

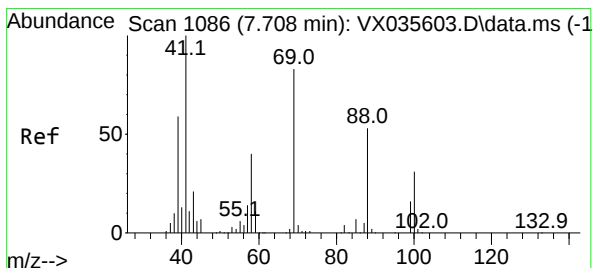
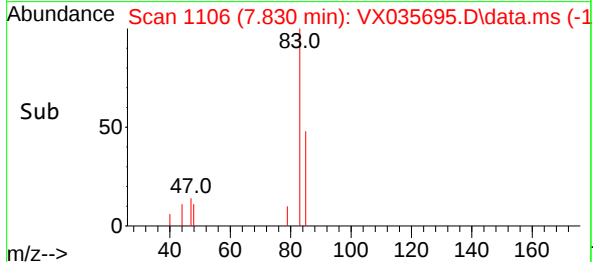
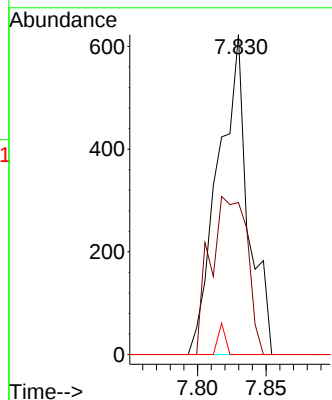
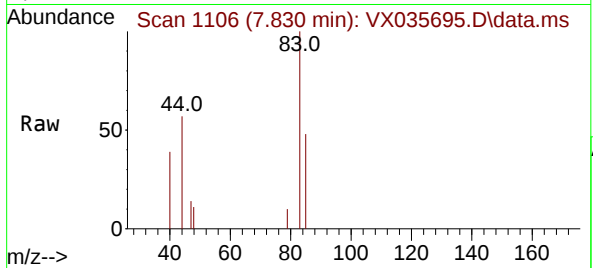




#47
Bromodichloromethane
Concen: 0.281 ug/l
RT: 7.830 min Scan# 1104
Delta R.T. 0.012 min
Lab File: VX035695.D
Acq: 16 May 2023 16:49

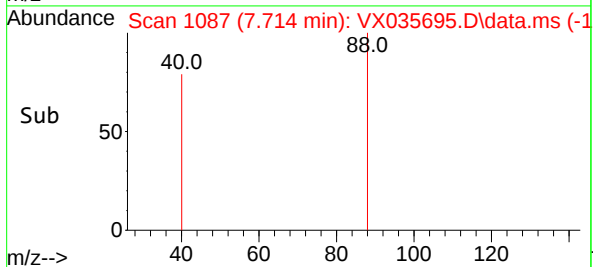
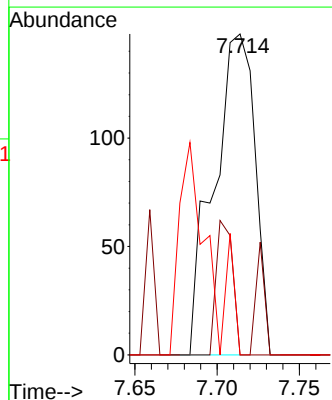
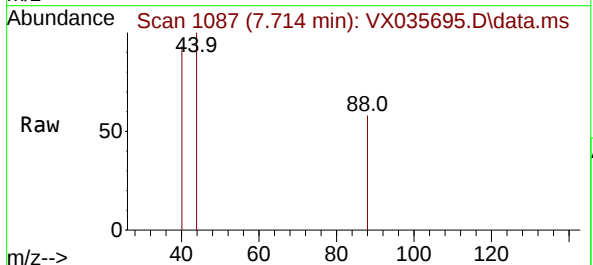
Instrument :
MSVOA_X
ClientSampleId :
003-1

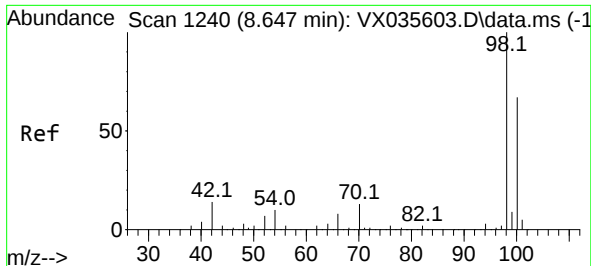
Tgt Ion: 83 Resp: 949
Ion Ratio Lower Upper
83 100
85 47.5 52.2 78.4#
127 0.0 6.6 9.8#



#49
1,4-Dioxane
Concen: 5.758 ug/l
RT: 7.714 min Scan# 1087
Delta R.T. 0.006 min
Lab File: VX035695.D
Acq: 16 May 2023 16:49

Tgt Ion: 88 Resp: 258
Ion Ratio Lower Upper
88 100
43 16.7 27.7 41.5#
58 0.0 56.8 85.2#

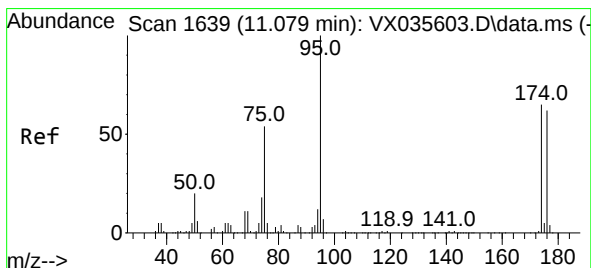
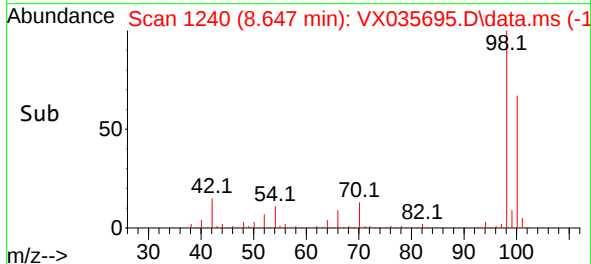
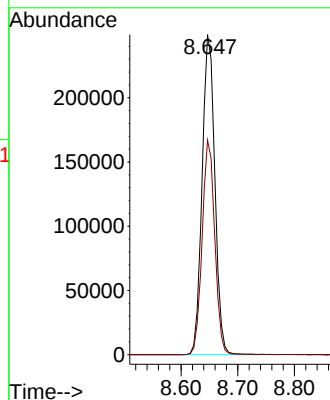
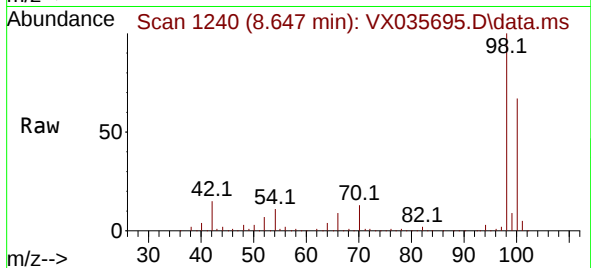




#50
Toluene-d8
Concen: 48.214 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035695.D
Acq: 16 May 2023 16:49

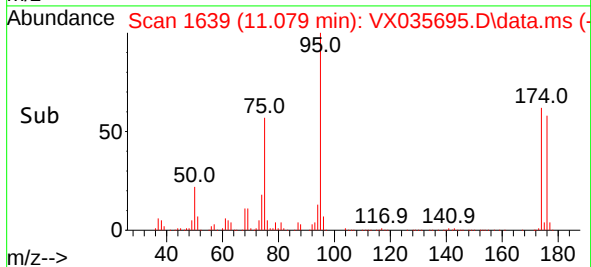
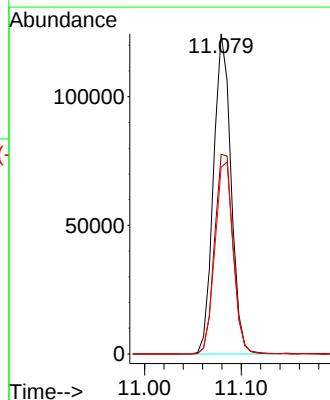
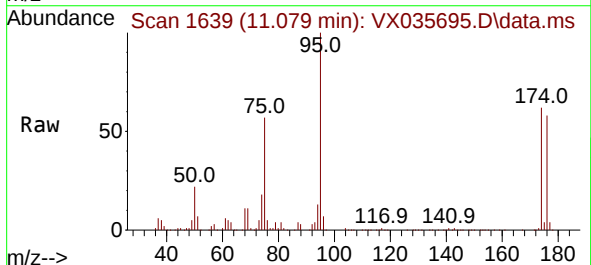
Instrument :
MSVOA_X
ClientSampleId :
003-1

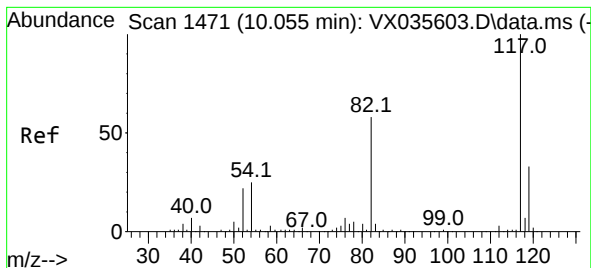
Tgt Ion: 98 Resp: 388999
Ion Ratio Lower Upper
98 100
100 66.3 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 48.228 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035695.D
Acq: 16 May 2023 16:49

Tgt Ion: 95 Resp: 156673
Ion Ratio Lower Upper
95 100
174 65.5 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: VX035695.D

Acq: 16 May 2023 16:49

Instrument :

MSVOA_X

ClientSampleId :

003-1

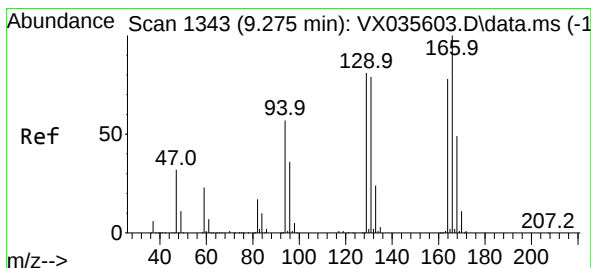
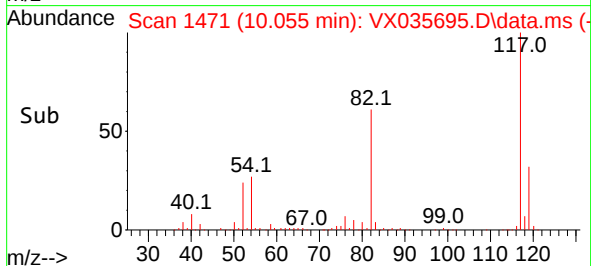
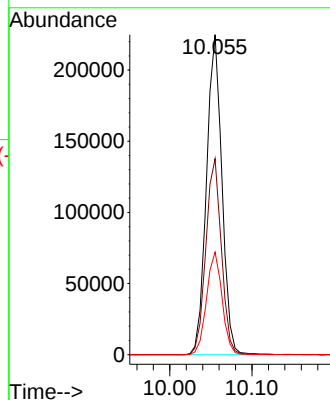
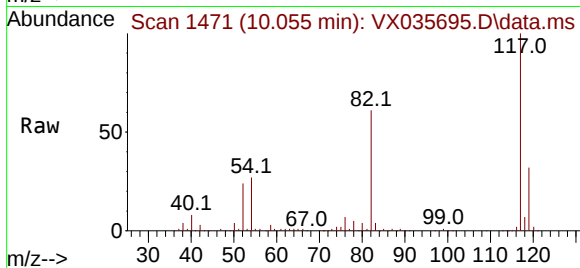
Tgt Ion:117 Resp: 293311

Ion Ratio Lower Upper

117 100

82 61.2 45.0 67.4

119 32.0 26.0 39.0



#64

Tetrachloroethene

Concen: 0.448 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.000 min

Lab File: VX035695.D

Acq: 16 May 2023 16:49

Tgt Ion:164 Resp: 885

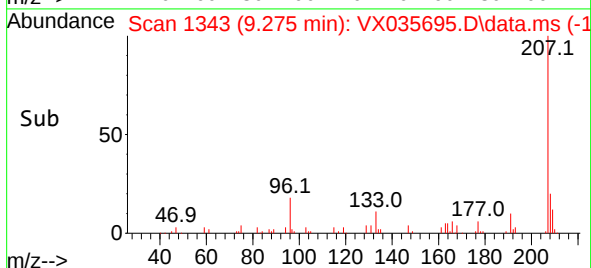
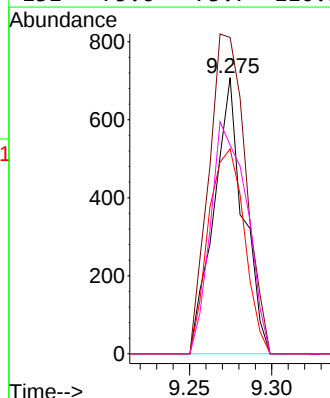
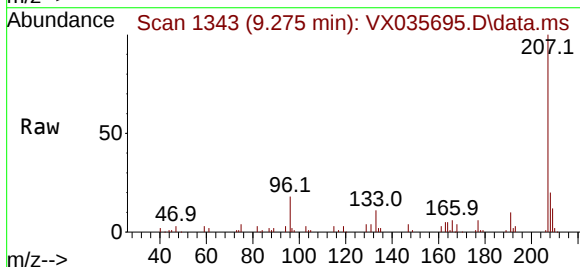
Ion Ratio Lower Upper

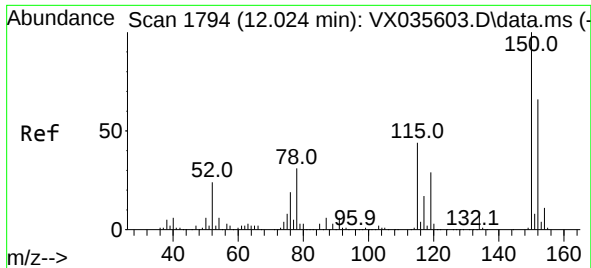
164 100

166 114.5 102.7 154.1

129 74.2 75.6 113.4#

131 75.6 73.7 110.5

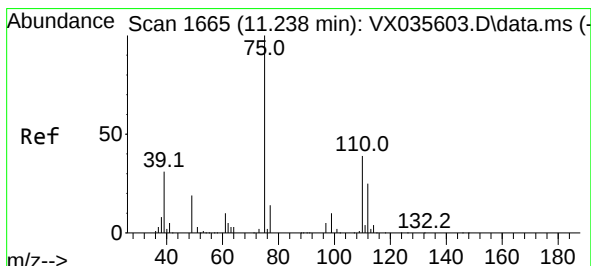
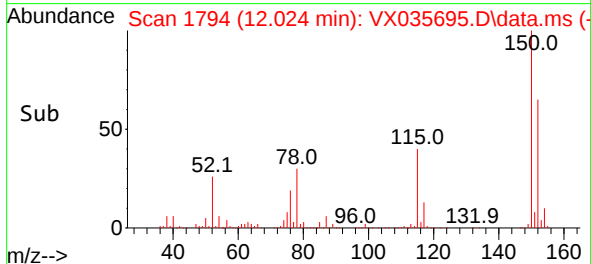
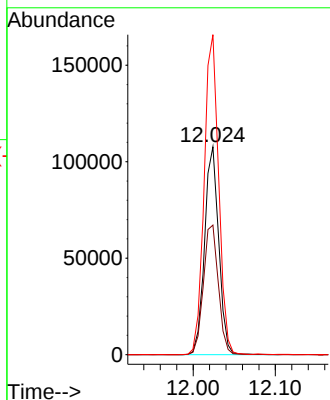
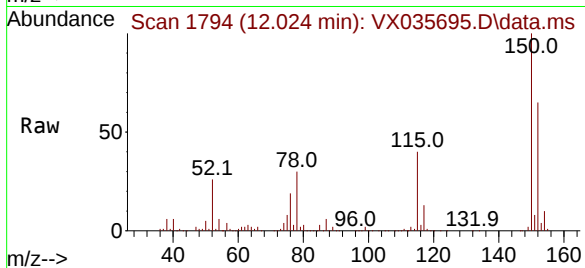




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX035695.D
 Acq: 16 May 2023 16:49

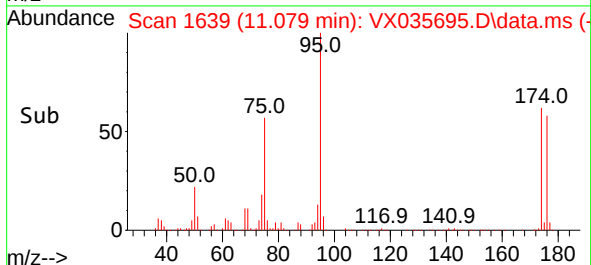
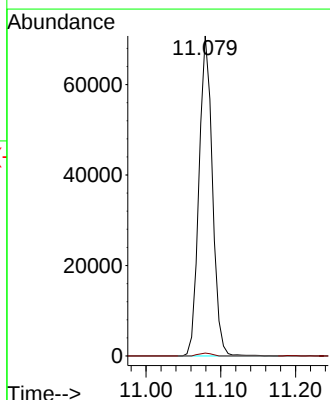
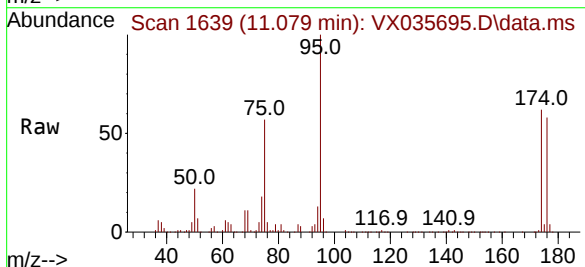
Instrument :
 MSVOA_X
 ClientSampleId :
 003-1

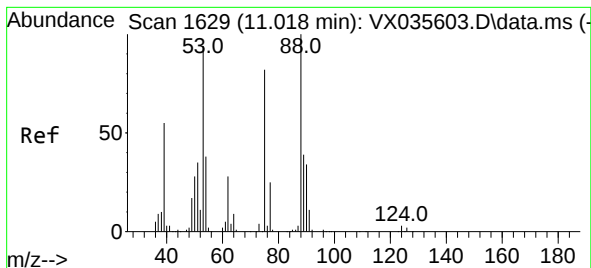
Tgt Ion:152 Resp: 129057
 Ion Ratio Lower Upper
 152 100
 115 65.9 45.0 135.0
 150 157.5 0.0 352.4



#76
 1,2,3-Trichloropropane
 Concen: 27.964 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX035695.D
 Acq: 16 May 2023 16:49

Tgt Ion: 75 Resp: 88276
 Ion Ratio Lower Upper
 75 100
 77 0.9 21.6 64.8#

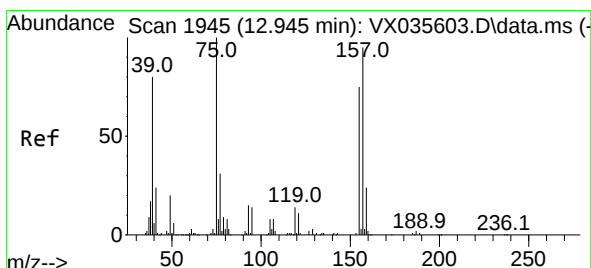
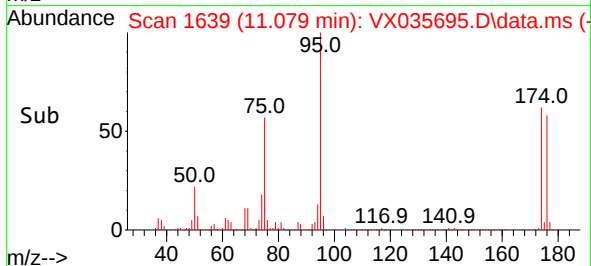
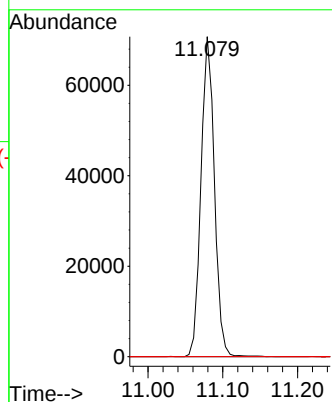
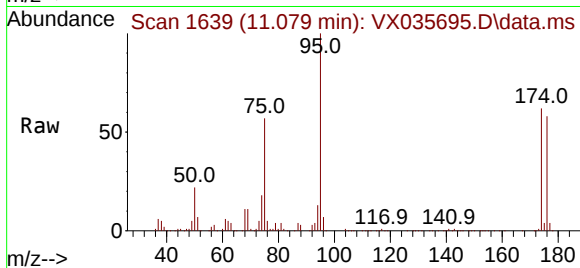




#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.124 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX035695.D
 Acq: 16 May 2023 16:49

Instrument :
 MSVOA_X
 ClientSampleId :
 003-1

Tgt Ion: 75 Resp: 88276
 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: 0.460 ug/l
 RT: 12.756 min Scan# 1914
 Delta R.T. -0.189 min
 Lab File: VX035695.D
 Acq: 16 May 2023 16:49

Tgt Ion: 75 Resp: 361
 Ion Ratio Lower Upper
 75 100
 155 14.4 38.4 115.1#
 157 0.0 49.9 149.7#

