

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051623\
 Data File : VX035698.D
 Acq On : 16 May 2023 17:59
 Operator : JC/MD
 Sample : 02615-06RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 003-2

Quant Time: May 17 05:33:54 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)

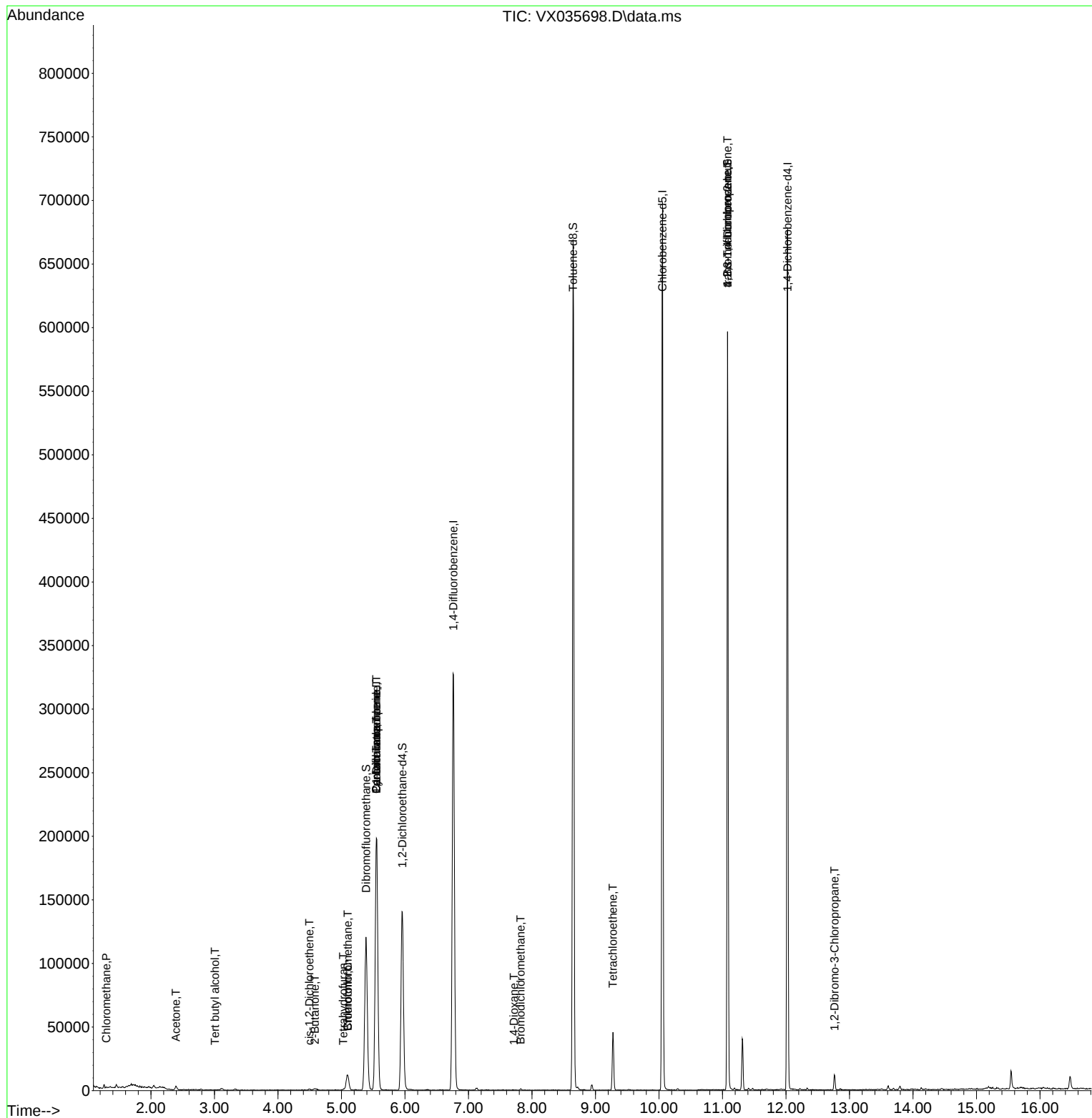
Internal Standards						
1) Pentafluorobenzene	5.550	168	171722	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	315409	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	288497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	129811	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	145512	48.573	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.140%		
35) Dibromofluoromethane	5.385	113	102060	47.981	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.960%		
50) Toluene-d8	8.647	98	380043	48.363	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.720%		
62) 4-Bromofluorobenzene	11.079	95	155776	49.234	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.460%		
Target Compounds						
						Qvalue
3) Chloromethane	1.295	50	656	0.242	ug/l	# 86
11) Tert butyl alcohol	3.008	59	249	0.471	ug/l	# 73
16) Acetone	2.392	43	3698	2.872	ug/l	# 81
25) 2-Butanone	4.581	43	417	0.234	ug/l	# 51
27) cis-1,2-Dichloroethene	4.495	96	542	0.215	ug/l	# 90
28) Bromochloromethane	5.099	49	1275	0.661	ug/l	# 15
29) Tetrahydrofuran	5.026	42	822	0.734	ug/l	# 59
30) Chloroform	5.099	83	14076	3.202	ug/l	# 99
31) Cyclohexane	5.550	56	4644	1.227	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	16375	4.877	ug/l	# 51
38) Carbon Tetrachloride	5.550	117	20168	6.341	ug/l	# 17
47) Bromodichloromethane	7.818	83	732	0.222	ug/l	# 94
49) 1,4-Dioxane	7.714	88	155	4.318	ug/l	# 53
64) Tetrachloroethene	9.275	164	1003	0.516	ug/l	# 68
76) 1,2,3-Trichloropropane	11.079	75	85617	26.964	ug/l	# 34
81) trans-1,4-Dichloro-2-b...	11.079	75	85617	86.901	ug/l	# 8
92) 1,2-Dibromo-3-Chloropr...	12.762	75	443	0.561	ug/l	# 5

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

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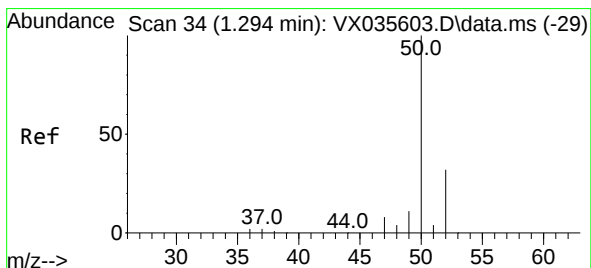
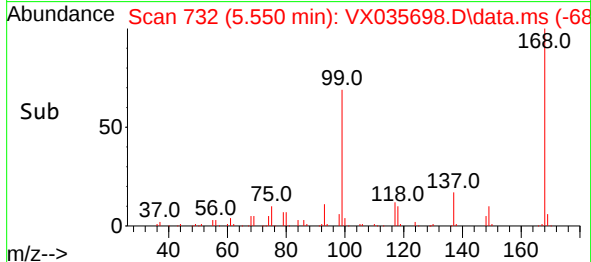
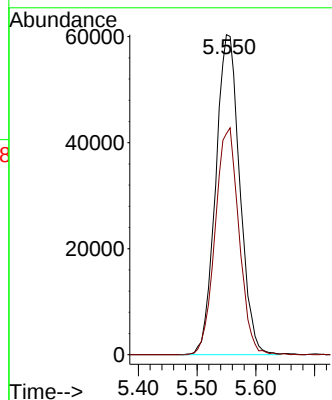
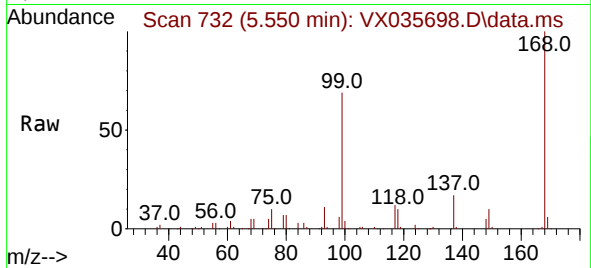




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX035698.D
Acq: 16 May 2023 17:59

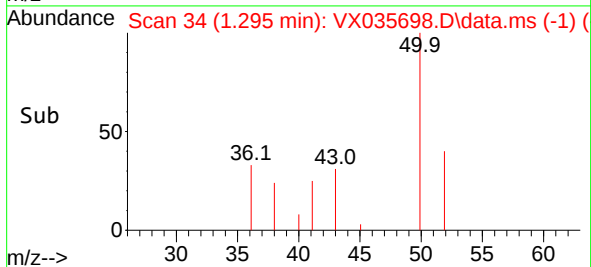
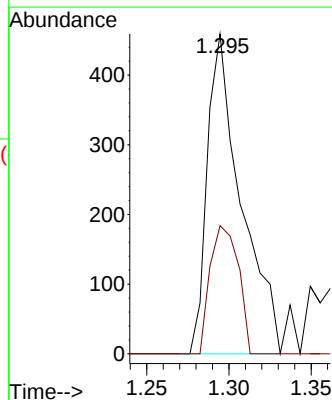
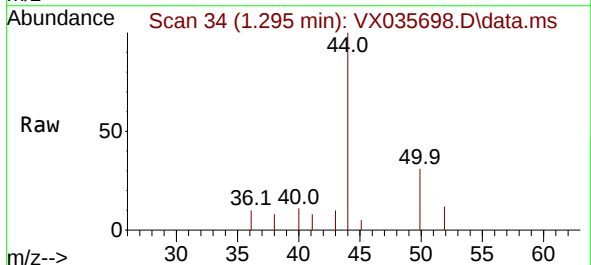
Instrument :
MSVOA_X
ClientSampleId :
003-2

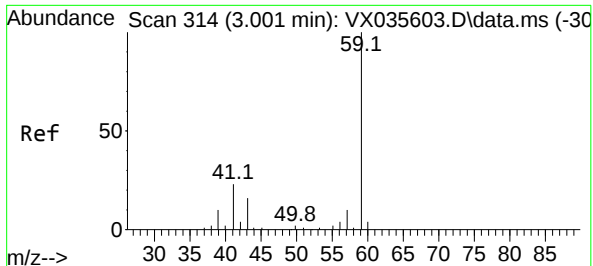
Tgt Ion:168 Resp: 171722
Ion Ratio Lower Upper
168 100
99 69.1 45.7 68.5#



#3
Chloromethane
Concen: 0.242 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX035698.D
Acq: 16 May 2023 17:59

Tgt Ion: 50 Resp: 656
Ion Ratio Lower Upper
50 100
52 40.1 25.9 38.9#





#11

Tert butyl alcohol

Concen: 0.471 ug/l

RT: 3.008 min Scan# 31

Delta R.T. 0.007 min

Lab File: VX035698.D

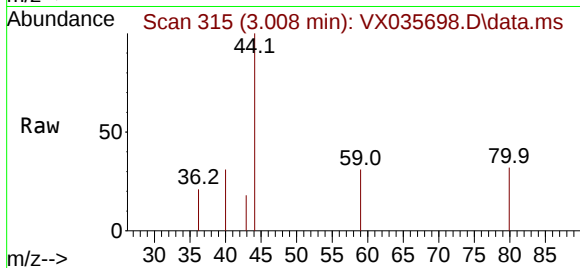
Acq: 16 May 2023 17:59

Instrument :

MSVOA_X

ClientSampleId :

003-2

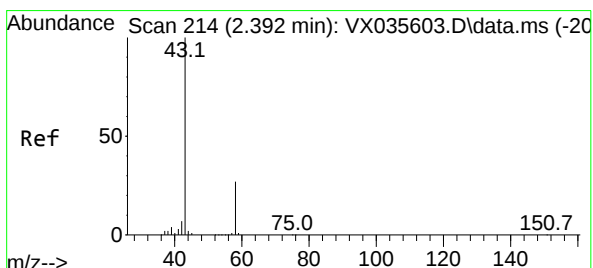
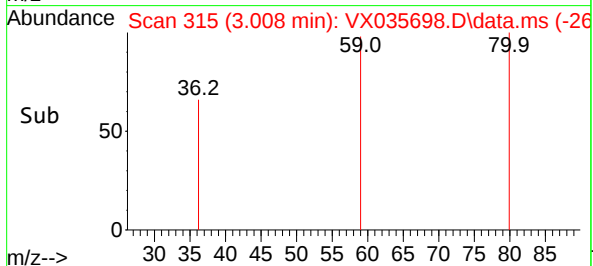
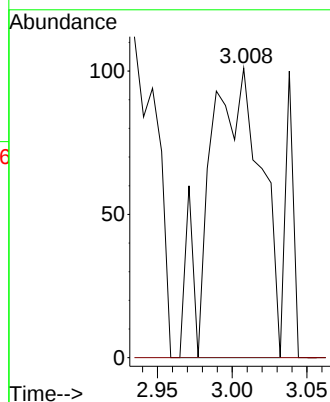


Tgt Ion: 59 Resp: 249

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#16

Acetone

Concen: 2.872 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX035698.D

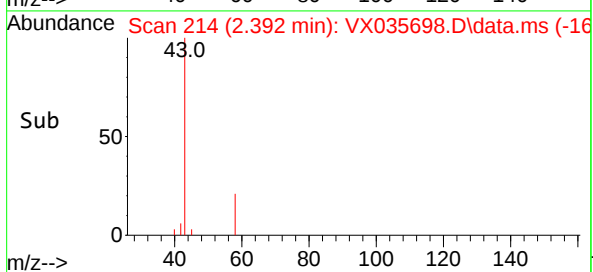
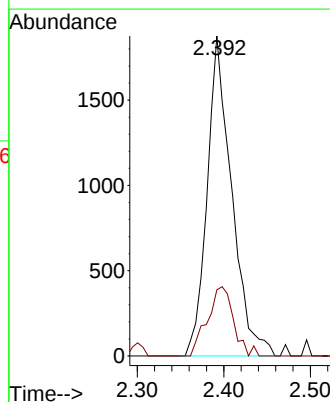
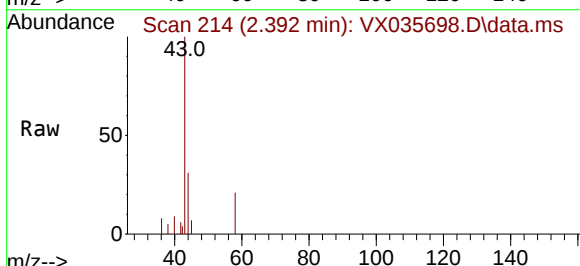
Acq: 16 May 2023 17:59

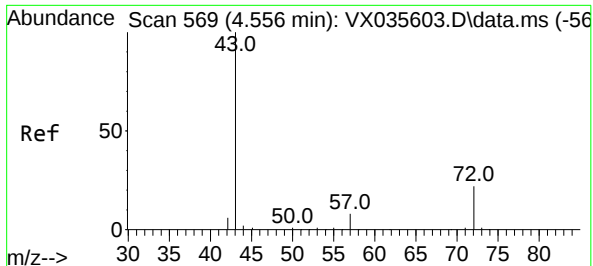
Tgt Ion: 43 Resp: 3698

Ion Ratio Lower Upper

43 100

58 20.7 24.7 37.1#





#25

2-Butanone

Concen: 0.234 ug/l

RT: 4.581 min Scan# 51

Delta R.T. 0.025 min

Lab File: VX035698.D

Acq: 16 May 2023 17:59

Instrument :

MSVOA_X

ClientSampleId :

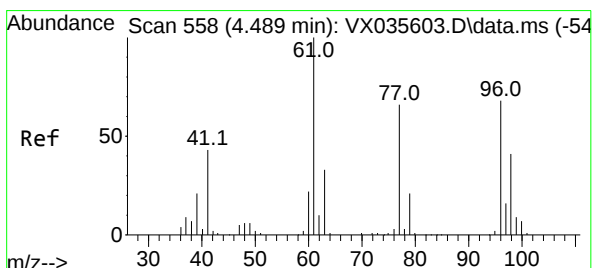
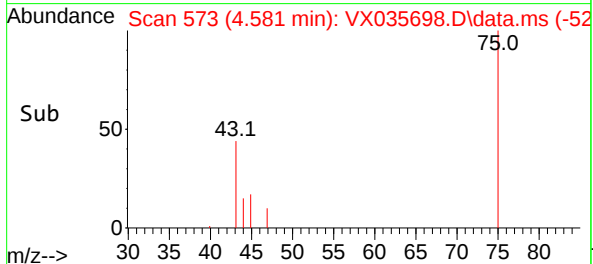
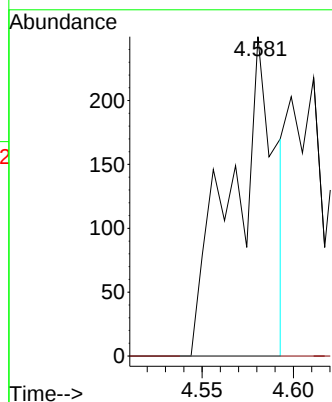
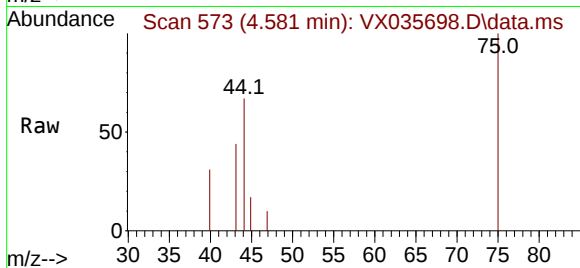
003-2

Tgt Ion: 43 Resp: 417

Ion Ratio Lower Upper

43 100

72 0.0 19.3 28.9#



#27

cis-1,2-Dichloroethene

Concen: 0.215 ug/l

RT: 4.495 min Scan# 559

Delta R.T. 0.006 min

Lab File: VX035698.D

Acq: 16 May 2023 17:59

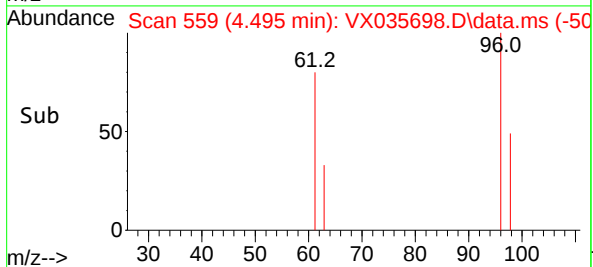
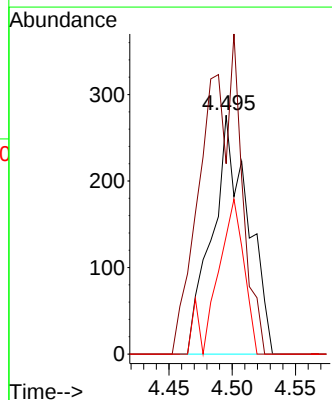
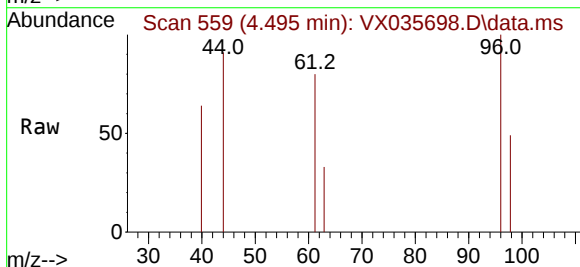
Tgt Ion: 96 Resp: 542

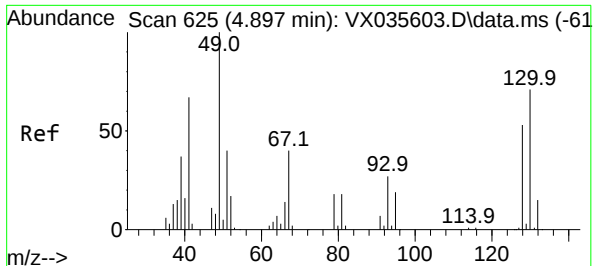
Ion Ratio Lower Upper

96 100

61 142.8 0.0 300.4

98 48.5 0.0 129.0

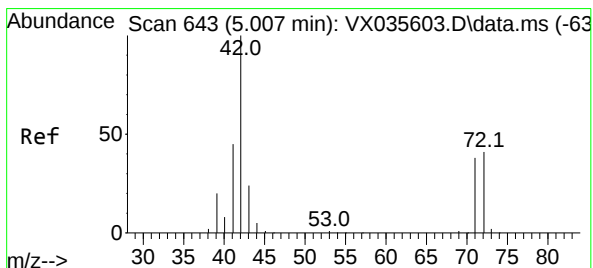
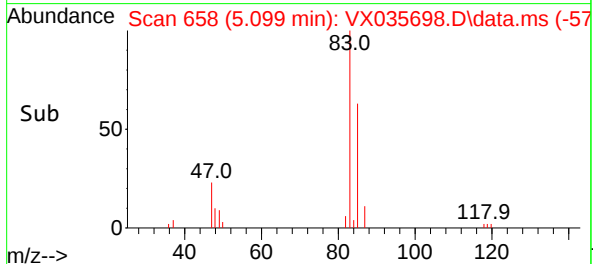
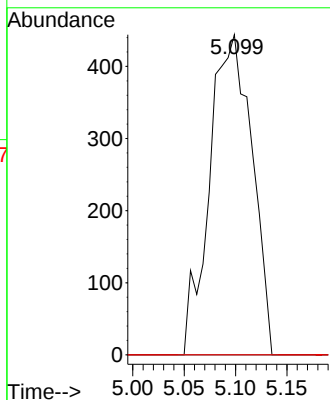
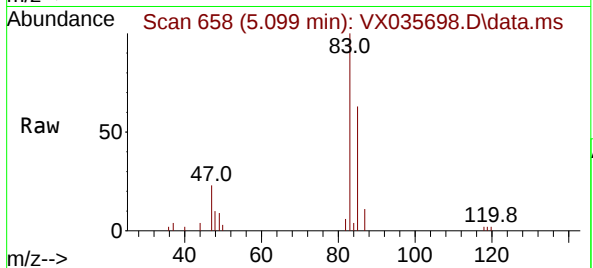




#28
Bromochloromethane
Concen: 0.661 ug/l
RT: 5.099 min Scan# 61
Delta R.T. 0.202 min
Lab File: VX035698.D
Acq: 16 May 2023 17:59

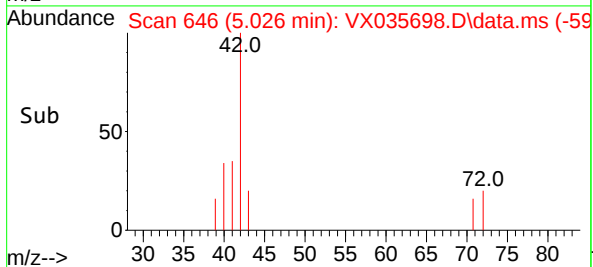
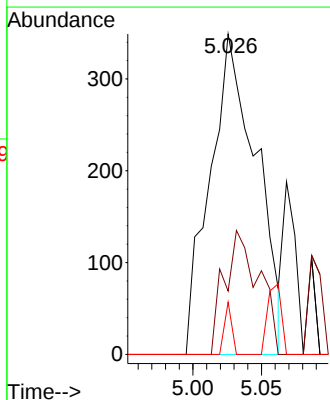
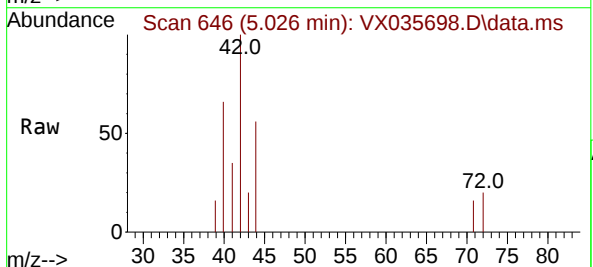
Instrument :
MSVOA_X
ClientSampleId :
003-2

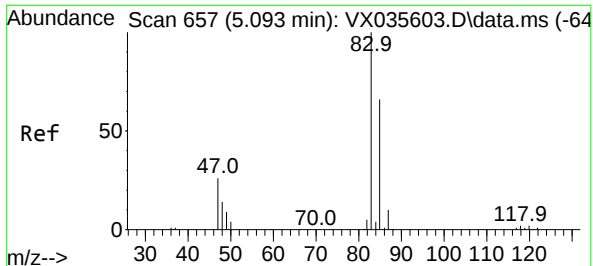
Tgt Ion: 49 Resp: 1275
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 0.0 58.2 87.2#



#29
Tetrahydrofuran
Concen: 0.734 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.019 min
Lab File: VX035698.D
Acq: 16 May 2023 17:59

Tgt Ion: 42 Resp: 822
Ion Ratio Lower Upper
42 100
72 28.8 34.5 51.7#
71 2.6 32.1 48.1#





#30

Chloroform

Concen: 3.202 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX035698.D

Acq: 16 May 2023 17:59

Instrument :

MSVOA_X

ClientSampleId :

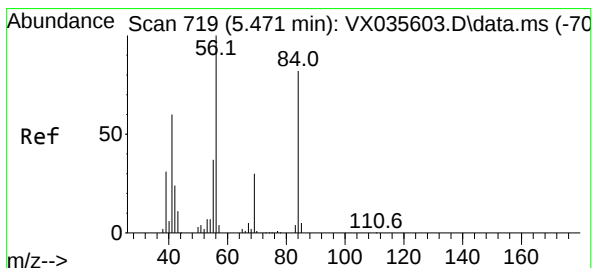
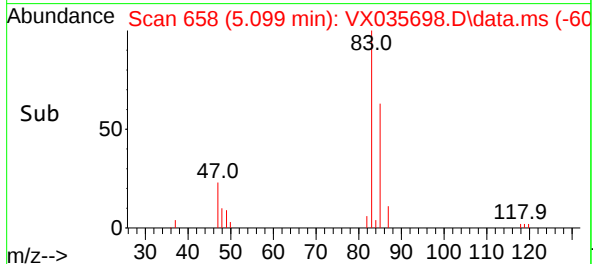
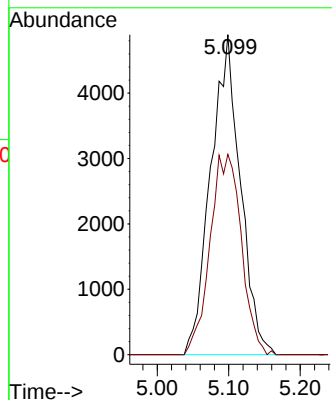
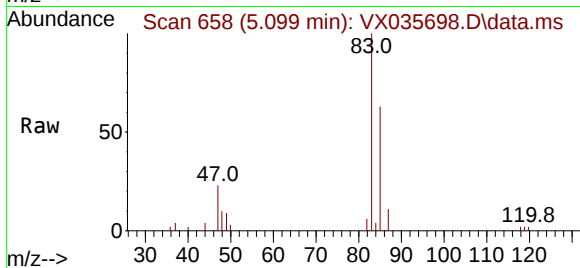
003-2

Tgt Ion: 83 Resp: 14076

Ion Ratio Lower Upper

83 100

85 62.6 50.6 76.0



#31

Cyclohexane

Concen: 1.227 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX035698.D

Acq: 16 May 2023 17:59

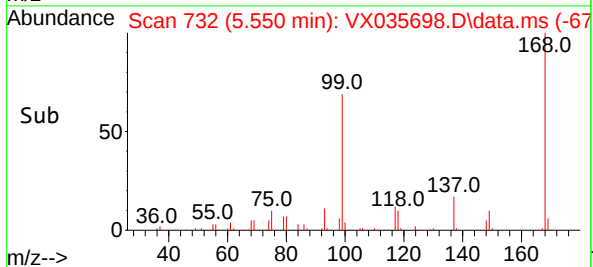
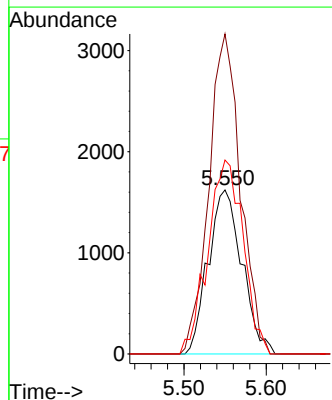
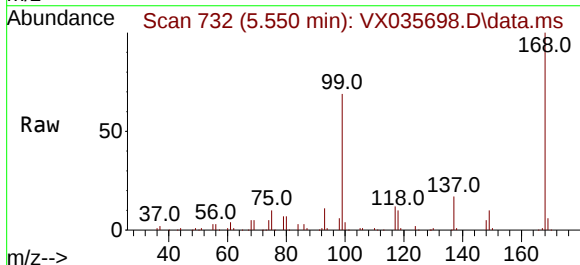
Tgt Ion: 56 Resp: 4644

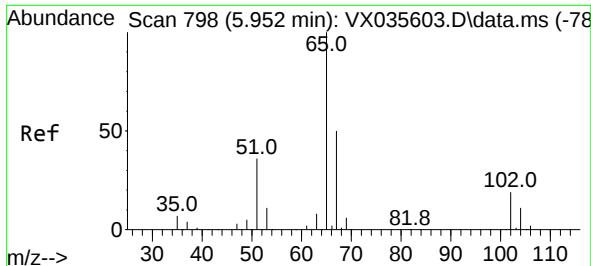
Ion Ratio Lower Upper

56 100

69 195.2 23.7 35.5#

84 118.3 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 48.573 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX035698.D

Acq: 16 May 2023 17:59

Instrument :

MSVOA_X

ClientSampleId :

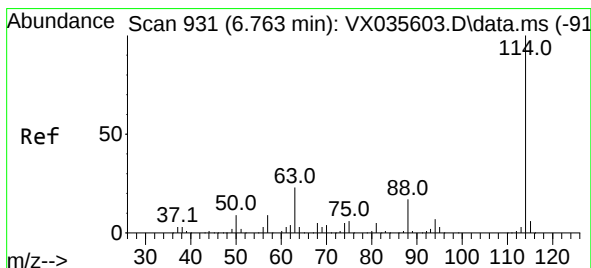
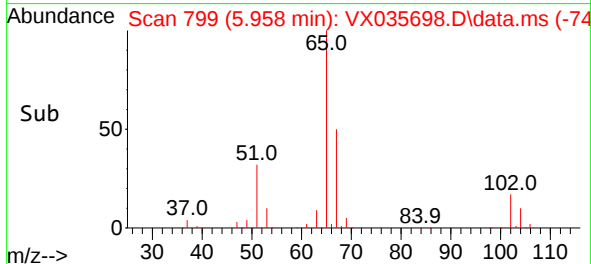
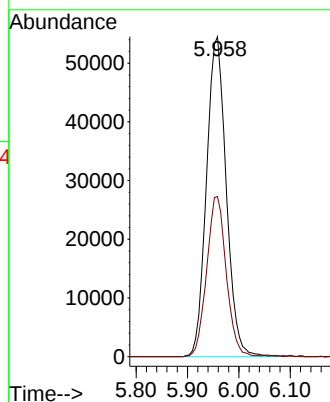
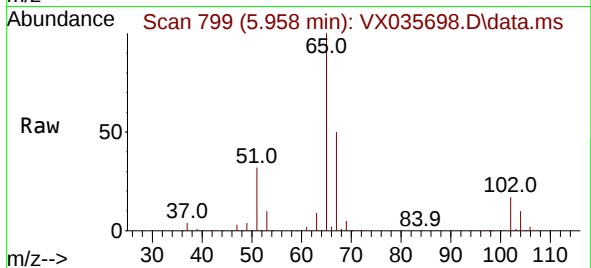
003-2

Tgt Ion: 65 Resp: 145512

Ion Ratio Lower Upper

65 100

67 49.8 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: VX035698.D

Acq: 16 May 2023 17:59

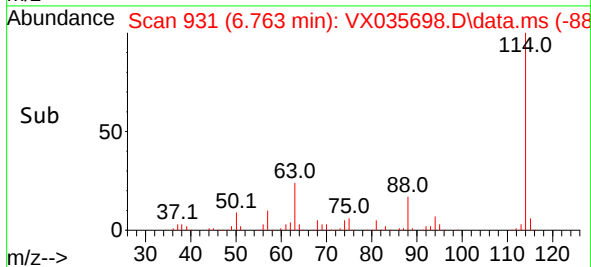
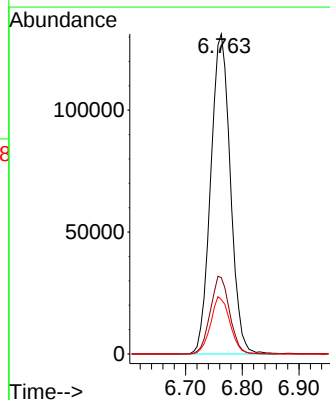
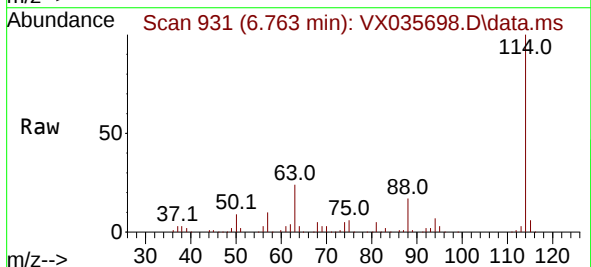
Tgt Ion: 114 Resp: 315409

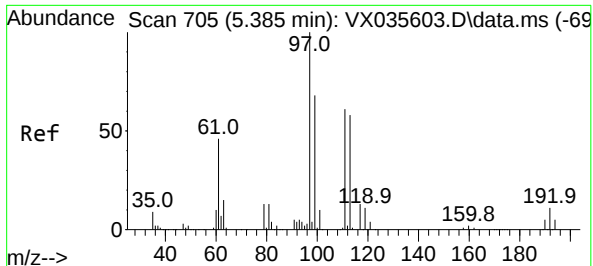
Ion Ratio Lower Upper

114 100

63 23.9 0.0 42.2

88 17.0 0.0 33.2

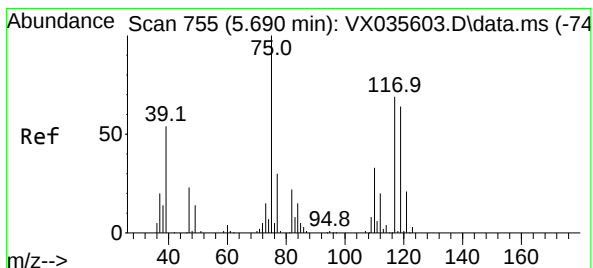
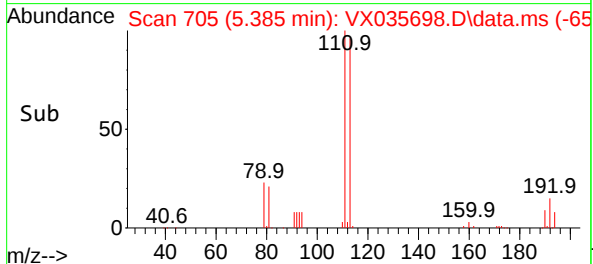
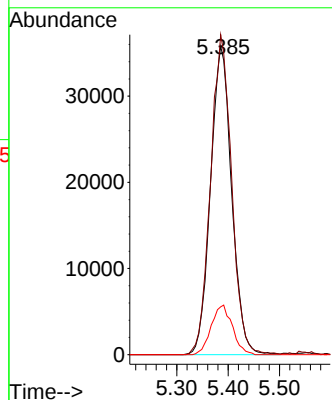
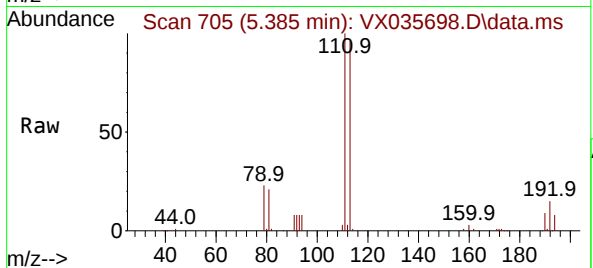




#35
Dibromofluoromethane
Concen: 47.981 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035698.D
Acq: 16 May 2023 17:59

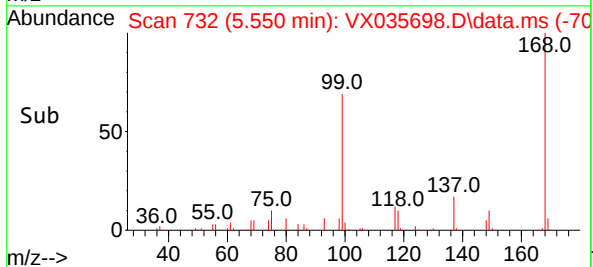
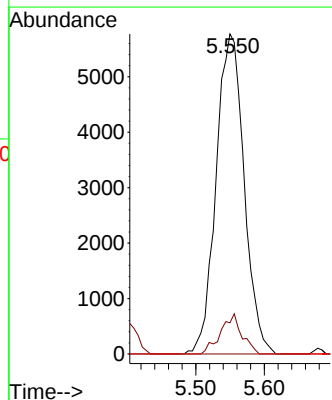
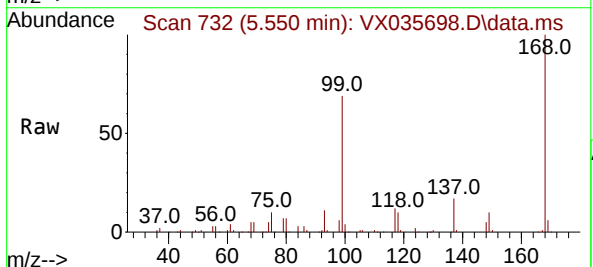
Instrument :
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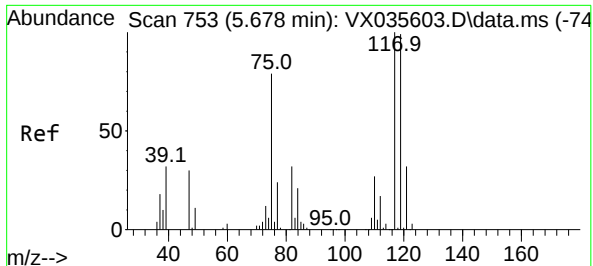
Tgt Ion:113 Resp: 102060
Ion Ratio Lower Upper
113 100
111 103.4 83.7 125.5
192 16.1 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.877 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX035698.D
Acq: 16 May 2023 17:59

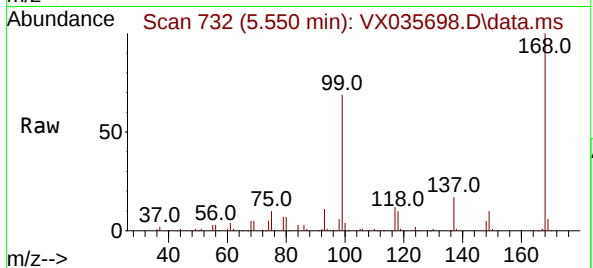
Tgt Ion: 75 Resp: 16375
Ion Ratio Lower Upper
75 100
110 9.5 17.5 52.5#
77 0.0 24.3 36.5#



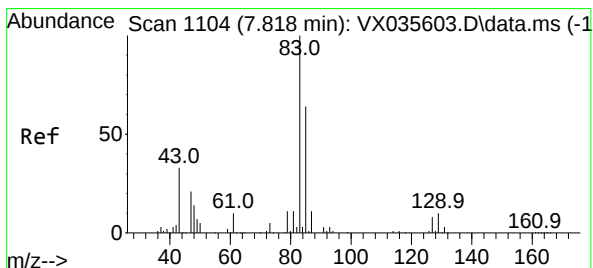
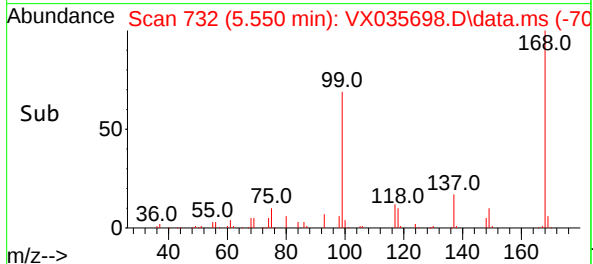
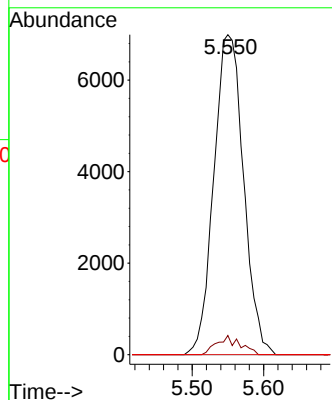


#38
Carbon Tetrachloride
Concen: 6.341 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX035698.D
Acq: 16 May 2023 17:59

Instrument :
MSVOA_X
ClientSampleId :
003-2

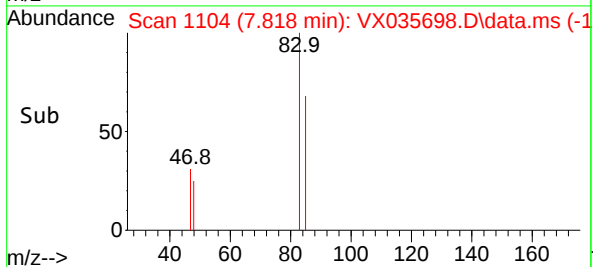
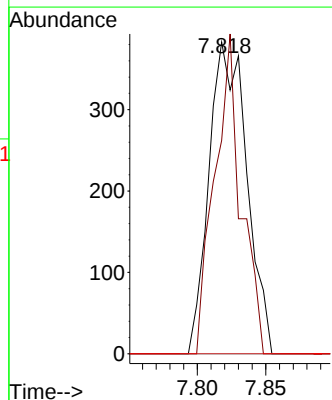
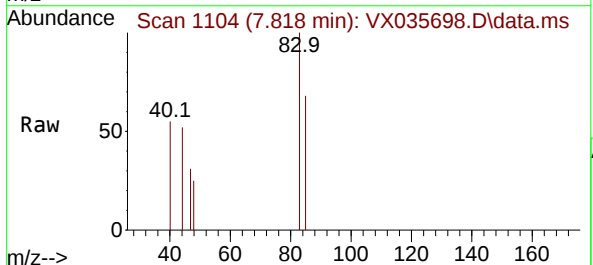


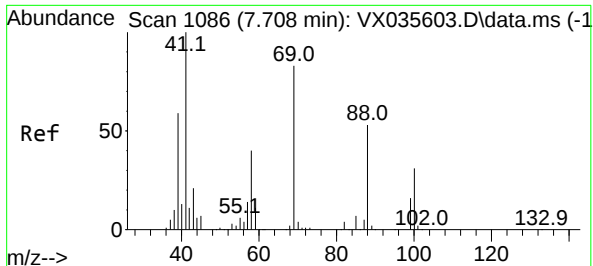
Tgt Ion:117 Resp: 20168
Ion Ratio Lower Upper
117 100
119 6.0 76.6 114.8#
121 0.0 23.8 35.6#



#47
Bromodichloromethane
Concen: 0.222 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX035698.D
Acq: 16 May 2023 17:59

Tgt Ion: 83 Resp: 732
Ion Ratio Lower Upper
83 100
85 68.4 52.2 78.4
127 0.0 6.6 9.8#





#49

1,4-Dioxane

Concen: 4.318 ug/l

RT: 7.714 min Scan# 1086

Delta R.T. 0.006 min

Lab File: VX035698.D

Acq: 16 May 2023 17:59

Instrument :

MSVOA_X

ClientSampleId :

003-2

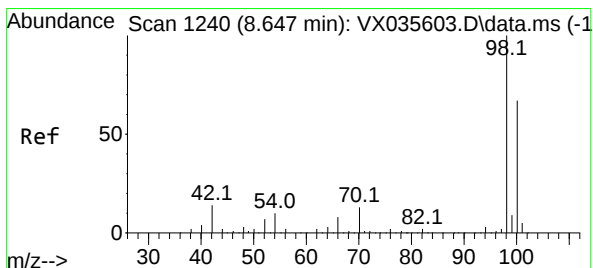
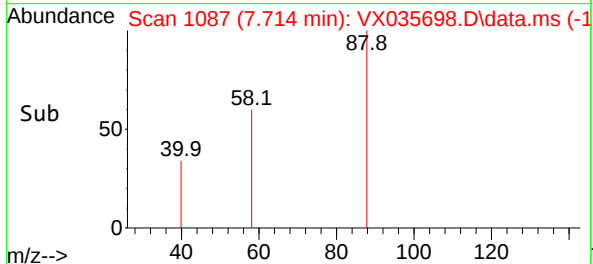
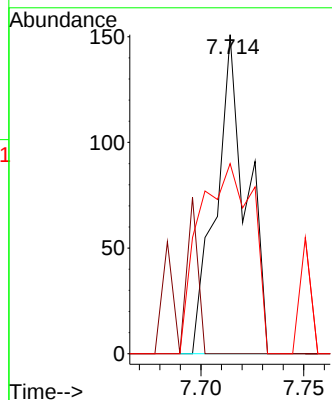
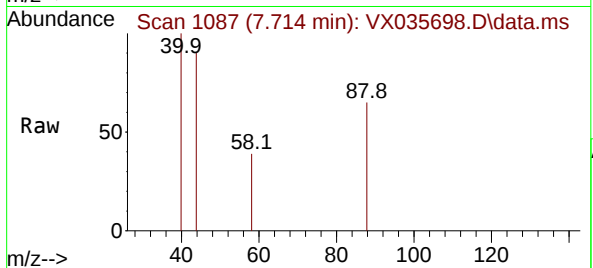
Tgt Ion: 88 Resp: 155

Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

58 104.5 56.8 85.2#



#50

Toluene-d8

Concen: 48.363 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX035698.D

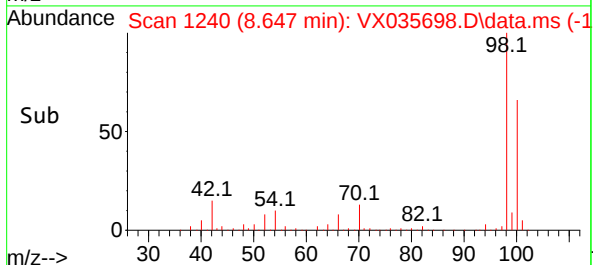
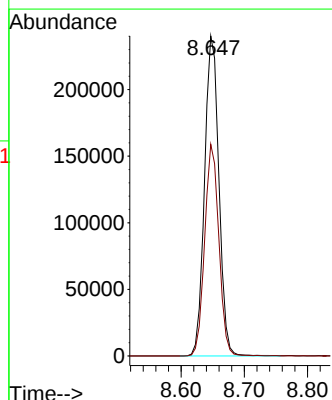
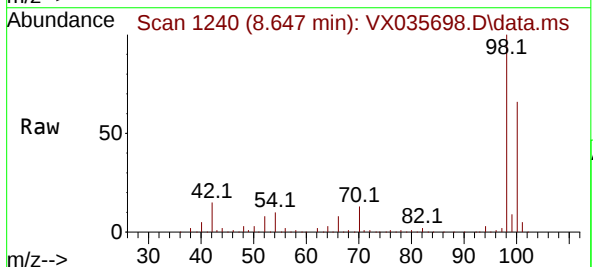
Acq: 16 May 2023 17:59

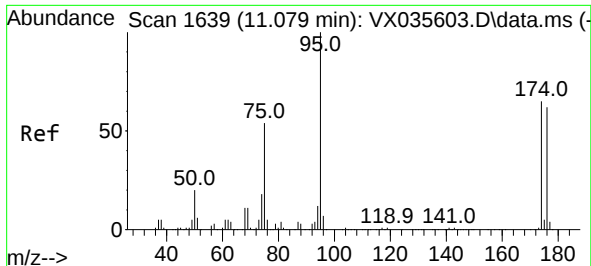
Tgt Ion: 98 Resp: 380043

Ion Ratio Lower Upper

98 100

100 65.4 52.5 78.7

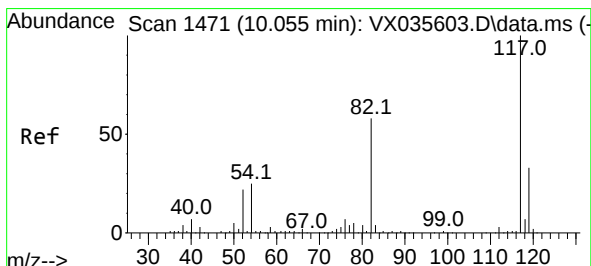
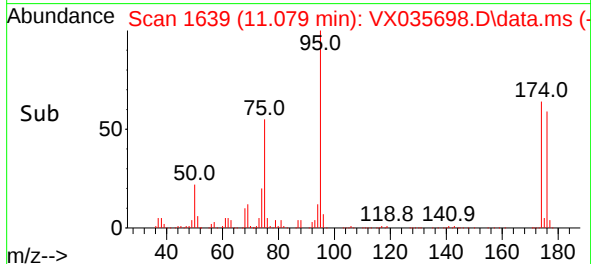
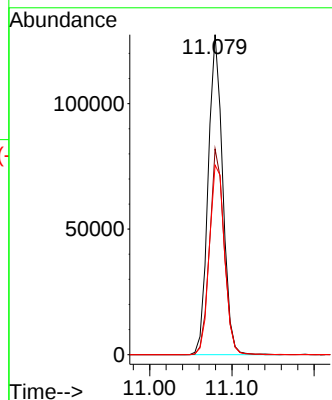
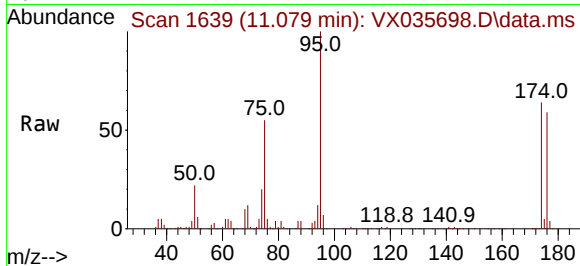




#62
4-Bromofluorobenzene
Concen: 49.234 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035698.D
Acq: 16 May 2023 17:59

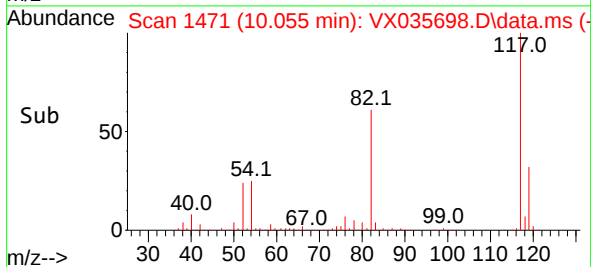
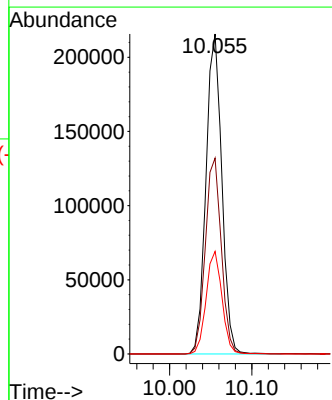
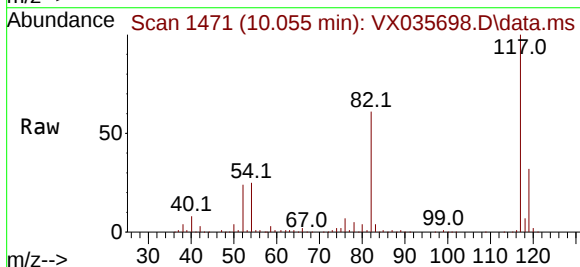
Instrument :
MSVOA_X
ClientSampleId :
003-2

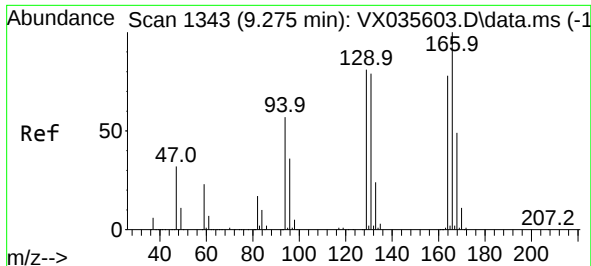
Tgt Ion: 95 Resp: 155776
Ion Ratio Lower Upper
95 100
174 64.3 0.0 147.4
176 62.5 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035698.D
Acq: 16 May 2023 17:59

Tgt Ion: 117 Resp: 288497
Ion Ratio Lower Upper
117 100
82 61.2 45.0 67.4
119 32.1 26.0 39.0

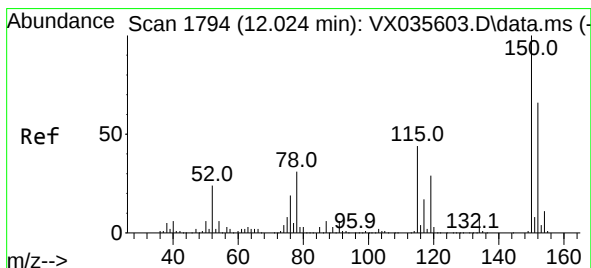
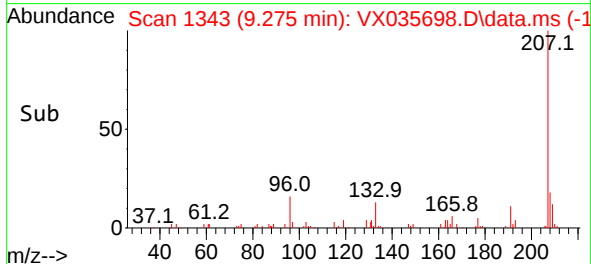
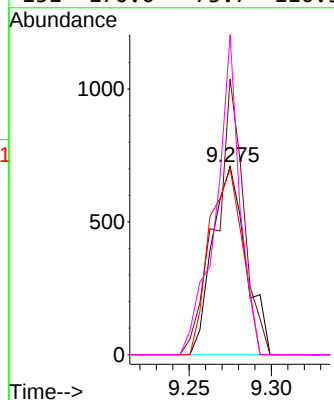
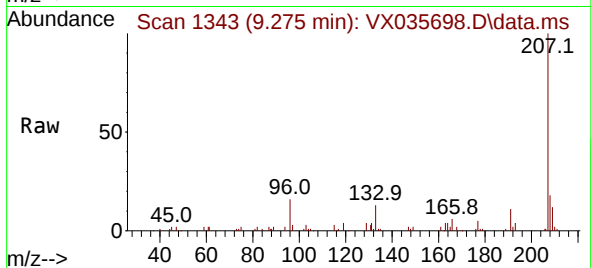




#64
Tetrachloroethene
Concen: 0.516 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035698.D
Acq: 16 May 2023 17:59

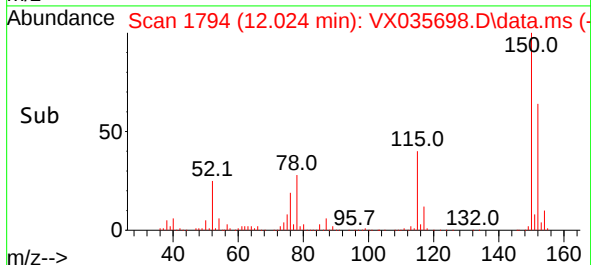
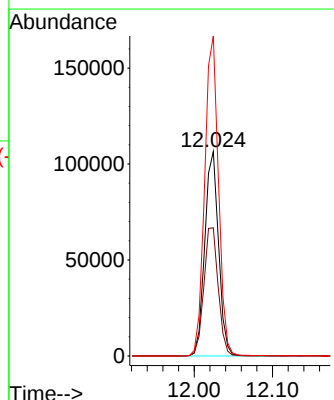
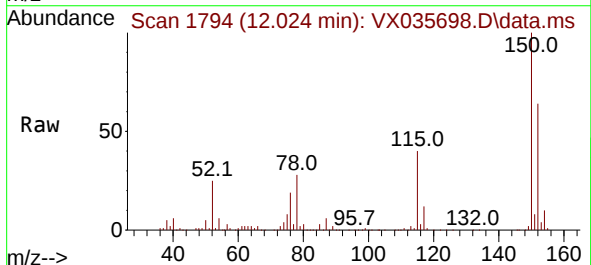
Instrument :
MSVOA_X
ClientSampleId :
003-2

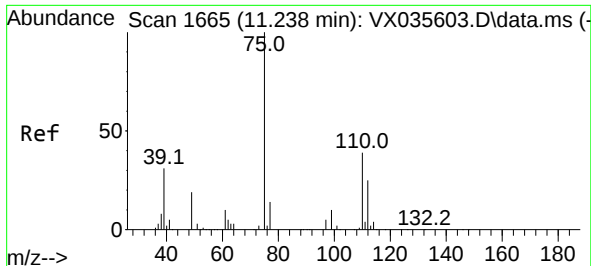
Tgt Ion:164 Resp: 1003
Ion Ratio Lower Upper
164 100
166 146.4 102.7 154.1
129 98.7 75.6 113.4
131 170.0 73.7 110.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035698.D
Acq: 16 May 2023 17:59

Tgt Ion:152 Resp: 129811
Ion Ratio Lower Upper
152 100
115 65.6 45.0 135.0
150 156.6 0.0 352.4

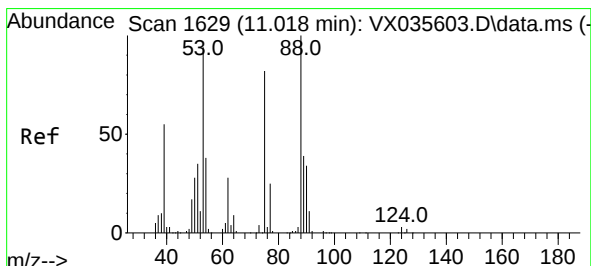
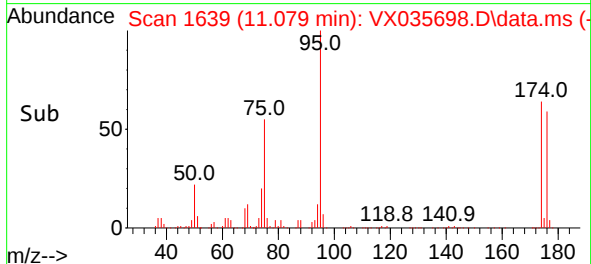
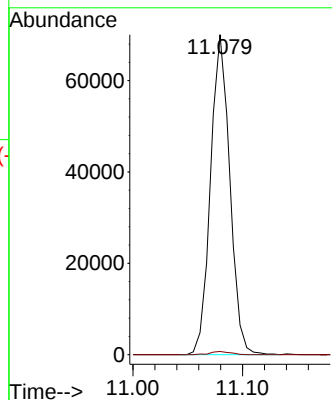
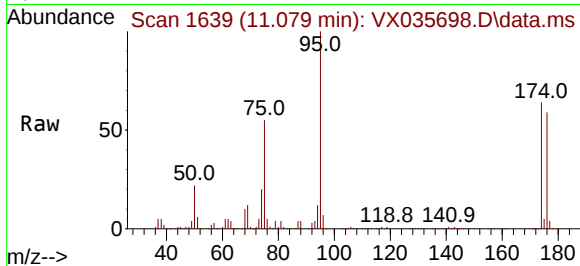




#76
1,2,3-Trichloropropane
Concen: 26.964 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX035698.D
Acq: 16 May 2023 17:59

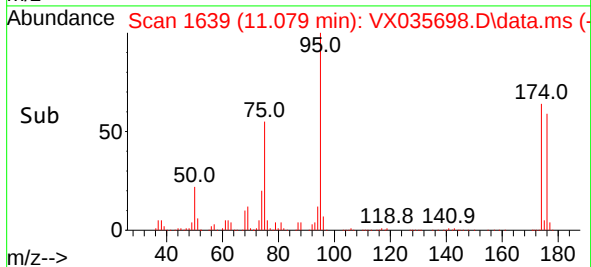
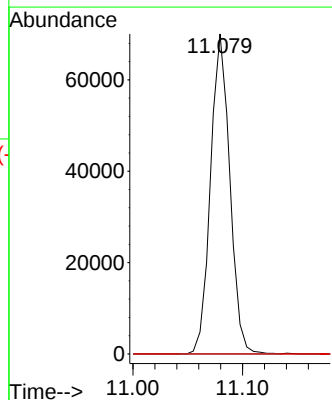
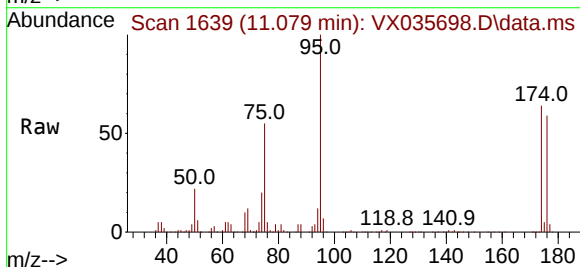
Instrument :
MSVOA_X
ClientSampleId :
003-2

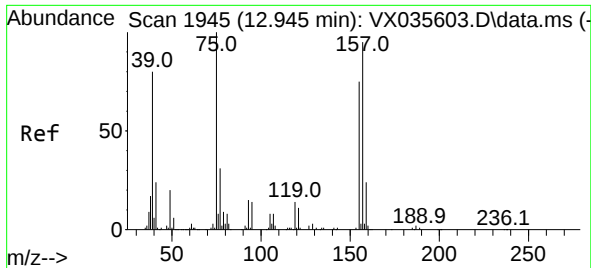
Tgt Ion: 75 Resp: 85617
Ion Ratio Lower Upper
75 100
77 1.0 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.901 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035698.D
Acq: 16 May 2023 17:59

Tgt Ion: 75 Resp: 85617
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: 0.561 ug/l

RT: 12.762 min Scan# 19

Delta R.T. -0.183 min

Lab File: VX035698.D

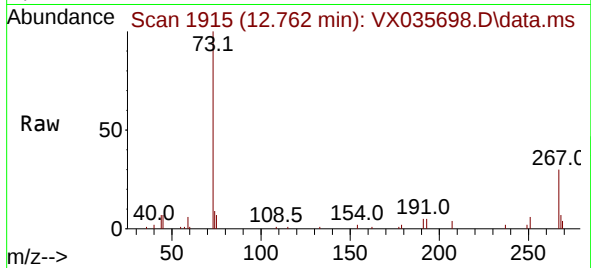
Acq: 16 May 2023 17:59

Instrument :

MSVOA_X

ClientSampleId :

003-2



Tgt Ion: 75 Resp: 443

Ion Ratio Lower Upper

75 100

155 0.0 38.4 115.1#

157 0.0 49.9 149.7#

