

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061923\
 Data File : VX036217.D
 Acq On : 19 Jun 2023 19:36
 Operator : JC/MD
 Sample : PB153531ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 20 03:47:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 16 16:28:40 2023
 Response via : Initial Calibration

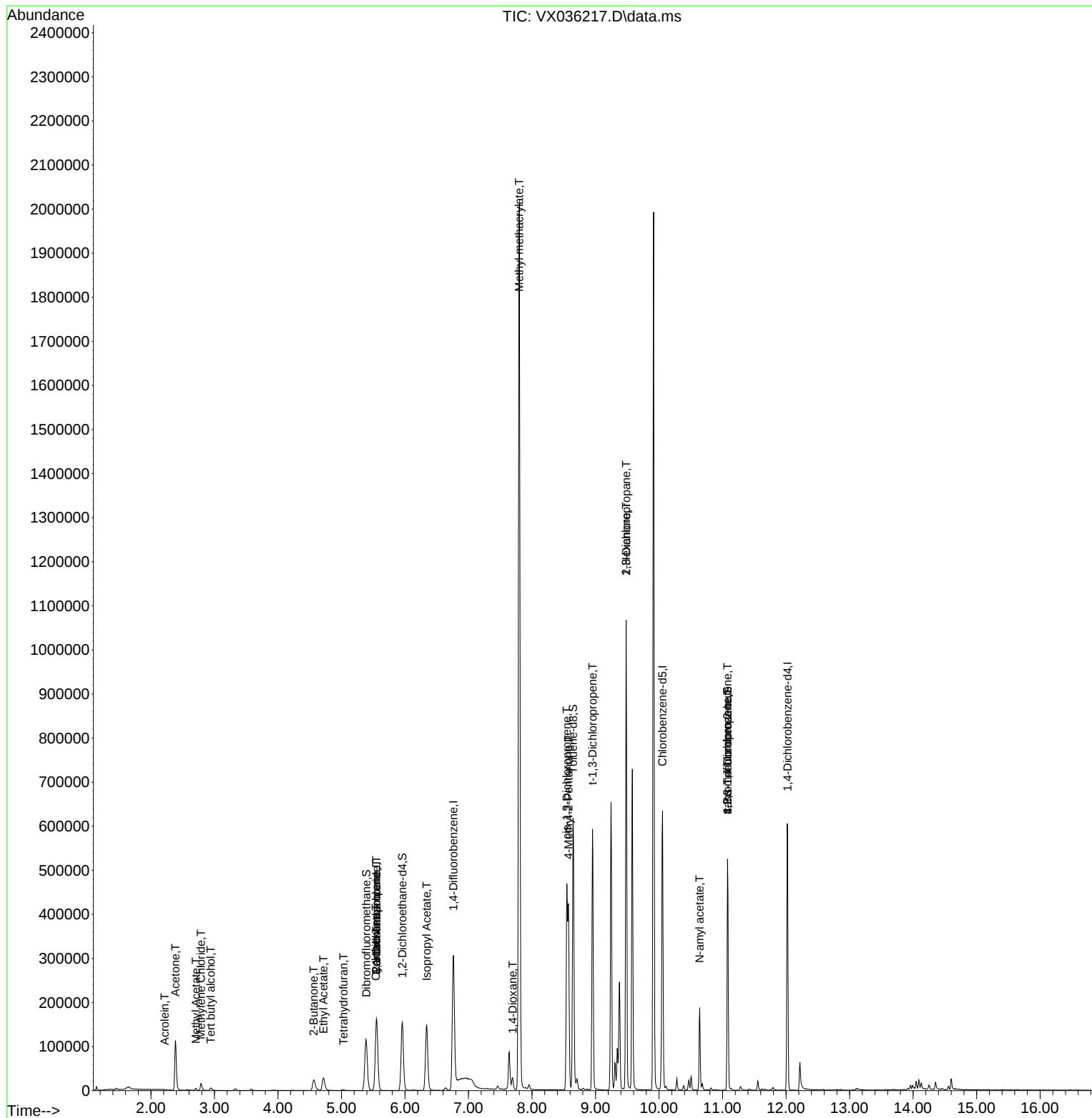
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	134103	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	275343	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	255425	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112943	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	159421	65.052	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 130.100%#	
35) Dibromofluoromethane	5.391	113	98977	53.010	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.020%	
50) Toluene-d8	8.647	98	344151	50.389	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.780%	
62) 4-Bromofluorobenzene	11.079	95	136442	49.490	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.980%	
Target Compounds						Qvalue
11) Tert butyl alcohol	2.940	59	4258	11.365	ug/l #	86
13) Acrolein	2.215	56	89	0.214	ug/l #	1
16) Acetone	2.386	43	133674	131.289	ug/l	100
18) Methyl Acetate	2.709	43	5815	1.506	ug/l	92
20) Methylene Chloride	2.788	84	6798	3.685	ug/l	96
25) 2-Butanone	4.562	43	41122	28.849	ug/l	99
29) Tetrahydrofuran	5.031	42	1557	1.720	ug/l #	59
31) Cyclohexane	5.543	56	3806	1.448	ug/l #	10
36) 1,1-Dichloropropene	5.550	75	13489	4.904	ug/l #	50
37) Ethyl Acetate	4.714	43	52174	16.282	ug/l	99
38) Carbon Tetrachloride	5.550	117	16010	5.988	ug/l #	15
43) Isopropyl Acetate	6.342	43	207195	42.250	ug/l	98
48) Methyl methacrylate	7.799	41	186393	74.082	ug/l #	49
49) 1,4-Dioxane	7.696	88	35	0.831	ug/l #	1
51) 4-Methyl-2-Pentanone	8.573	43	387827	125.246	ug/l #	77
53) t-1,3-Dichloropropene	8.951	75	1203	0.415	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	63515	20.447	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	8120	2.283	ug/l #	42
59) 2-Hexanone	9.482	43	129568	56.283	ug/l #	50
74) N-amyl acetate	10.640	43	50549	13.348	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	77812	29.029	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	77812	101.609	ug/l #	5

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

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MSVOA_X
ClientSampleId :

Quant Time: Jun 20 03:47:52 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061623W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 16 16:28:40 2023
Response via : Initial Calibration

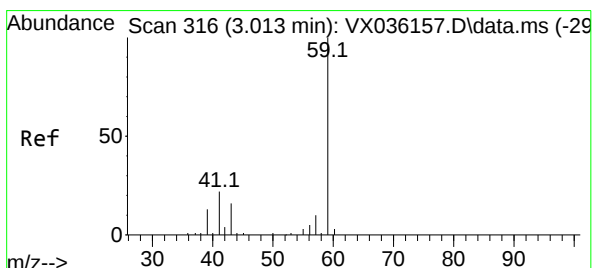
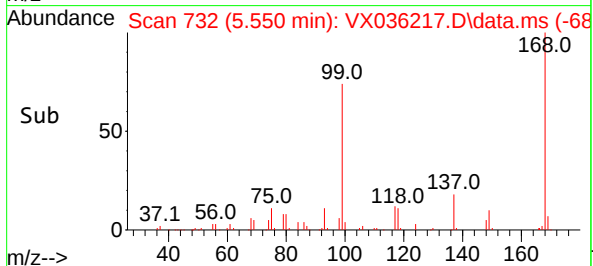
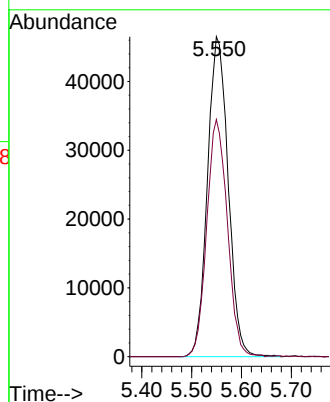
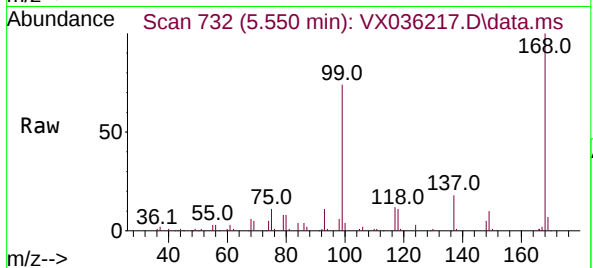




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX036217.D
Acq: 19 Jun 2023 19:36

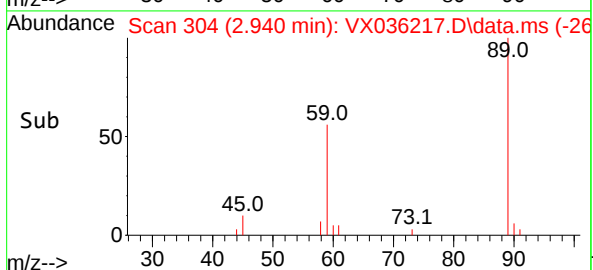
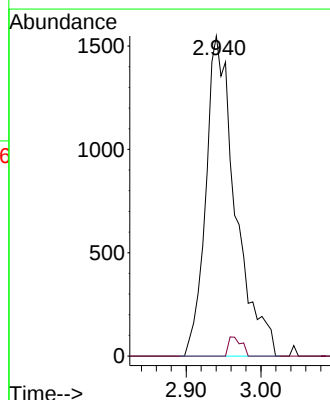
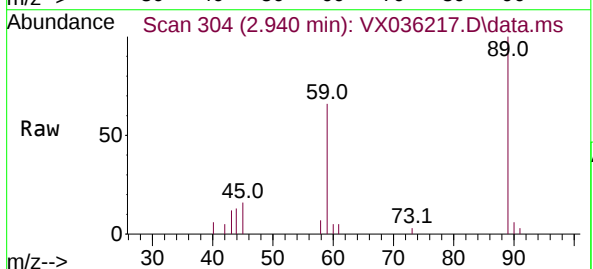
Instrument :
MSVOA_X
ClientSampleId :

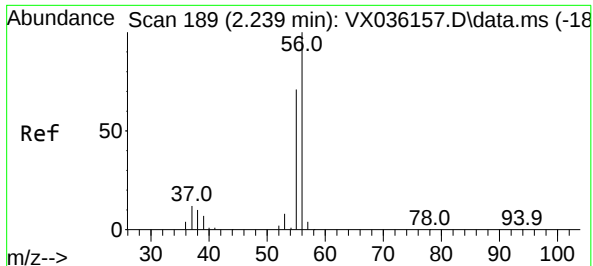
Tgt Ion:168 Resp: 134103
Ion Ratio Lower Upper
168 100
99 74.1 56.6 85.0



#11
Tert butyl alcohol
Concen: 11.365 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.073 min
Lab File: VX036217.D
Acq: 19 Jun 2023 19:36

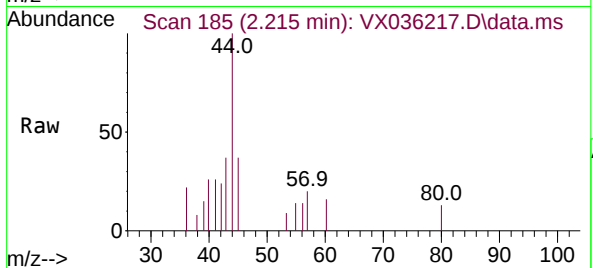
Tgt Ion: 59 Resp: 4258
Ion Ratio Lower Upper
59 100
57 2.6 6.0 9.0#



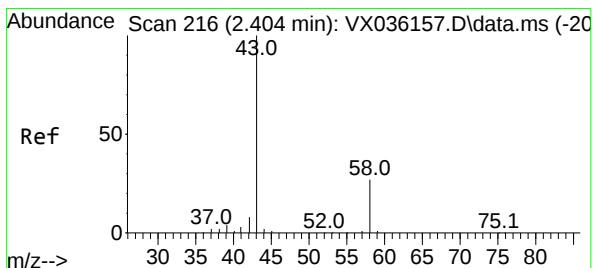
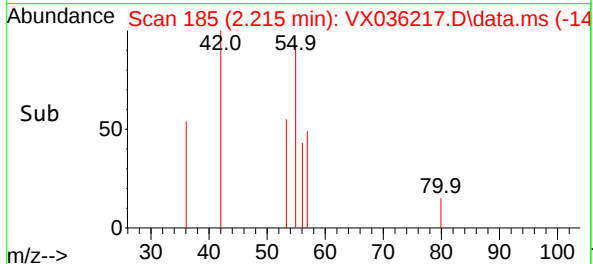
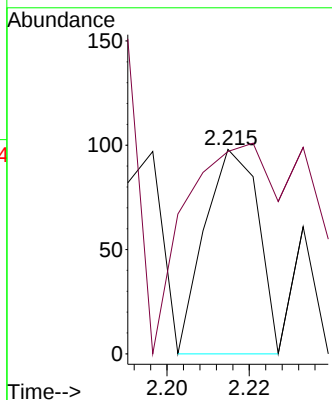


#13
Acrolein
Concen: 0.214 ug/l
RT: 2.215 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX036217.D
Acq: 19 Jun 2023 19:36

Instrument :
MSVOA_X
ClientSampleId :

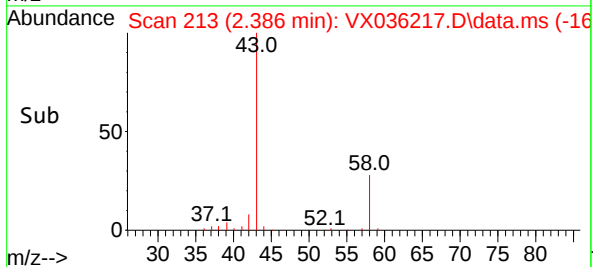
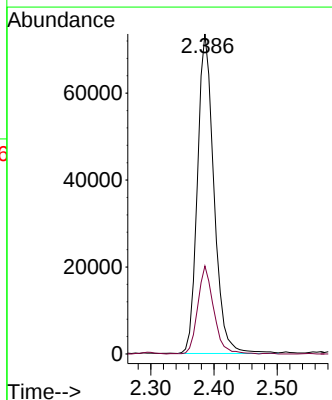
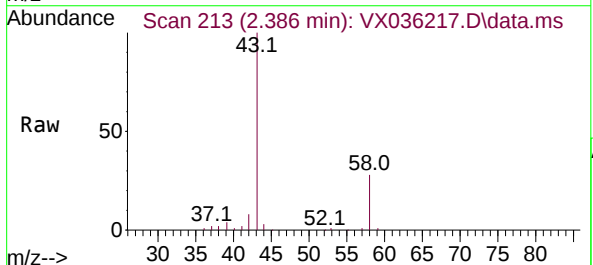


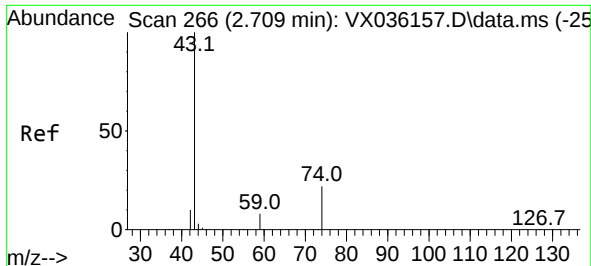
Tgt Ion: 56 Resp: 89
Ion Ratio Lower Upper
56 100
55 319.1 57.1 85.7#



#16
Acetone
Concen: 131.289 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.018 min
Lab File: VX036217.D
Acq: 19 Jun 2023 19:36

Tgt Ion: 43 Resp: 133674
Ion Ratio Lower Upper
43 100
58 27.5 21.9 32.9

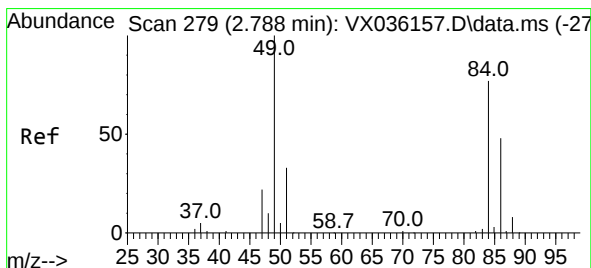
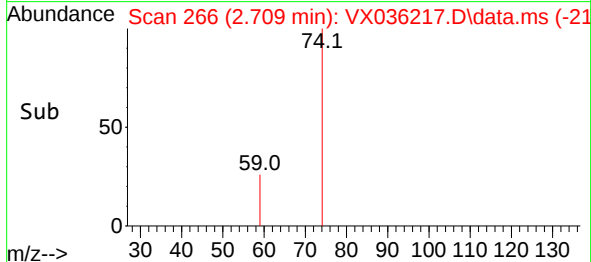
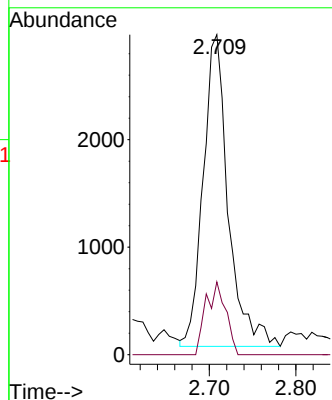
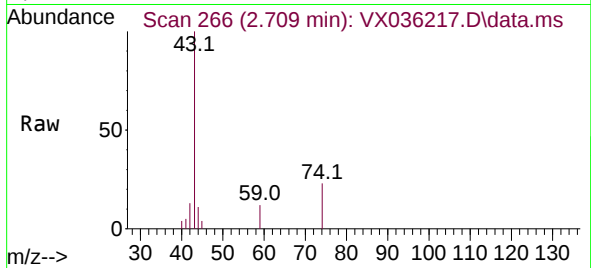




#18
Methyl Acetate
Concen: 1.506 ug/l
RT: 2.709 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX036217.D
Acq: 19 Jun 2023 19:36

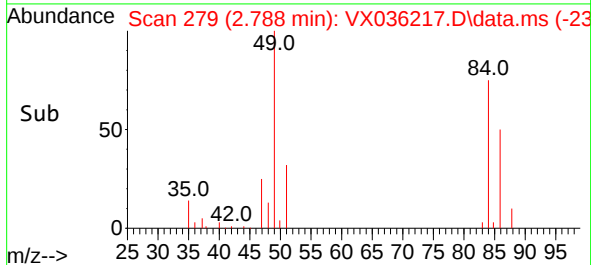
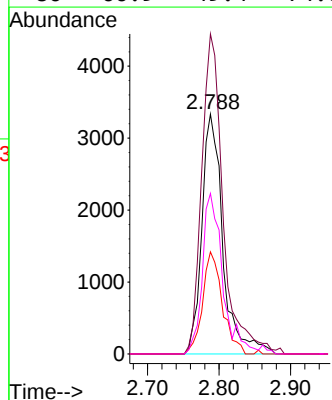
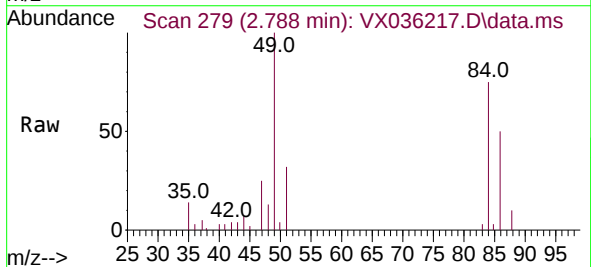
Instrument :
MSVOA_X
ClientSampleId :

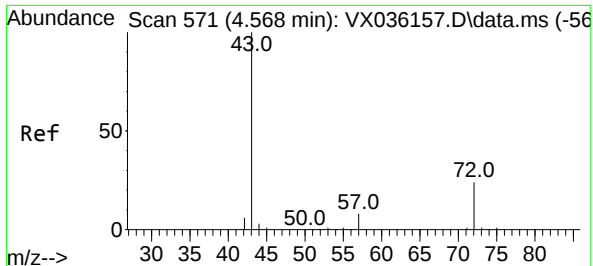
Tgt Ion: 43 Resp: 5815
Ion Ratio Lower Upper
43 100
74 18.6 17.8 26.8



#20
Methylene Chloride
Concen: 3.685 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX036217.D
Acq: 19 Jun 2023 19:36

Tgt Ion: 84 Resp: 6798
Ion Ratio Lower Upper
84 100
49 133.4 103.6 155.4
51 42.5 33.8 50.6
86 66.9 49.4 74.0





#25

2-Butanone

Concen: 28.849 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX036217.D

Acq: 19 Jun 2023 19:36

Instrument :

MSVOA_X

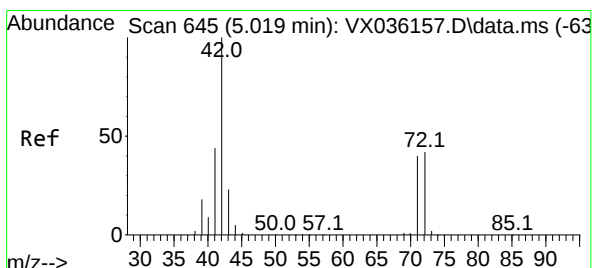
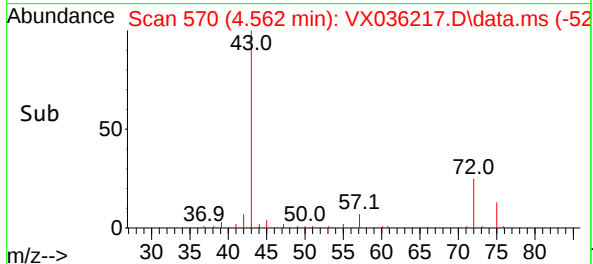
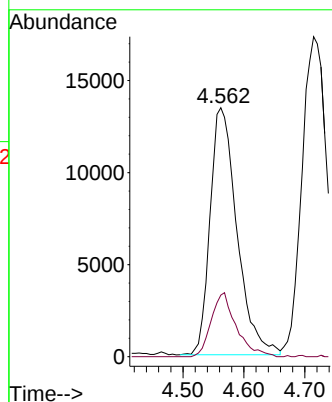
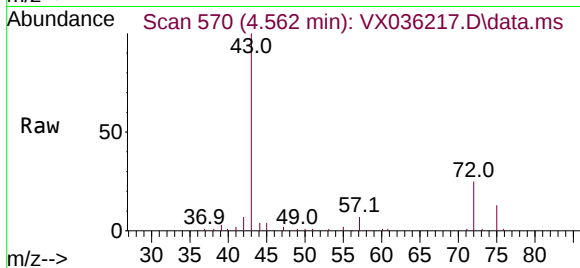
ClientSampleId :

Tgt Ion: 43 Resp: 41122

Ion Ratio Lower Upper

43 100

72 24.9 19.4 29.2



#29

Tetrahydrofuran

Concen: 1.720 ug/l

RT: 5.031 min Scan# 647

Delta R.T. 0.012 min

Lab File: VX036217.D

Acq: 19 Jun 2023 19:36

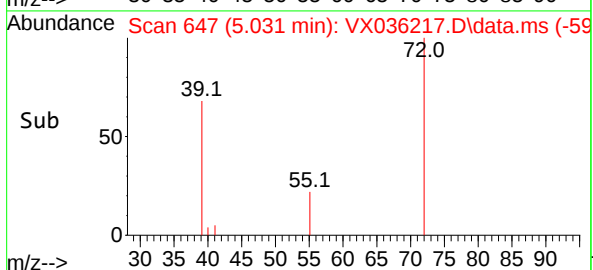
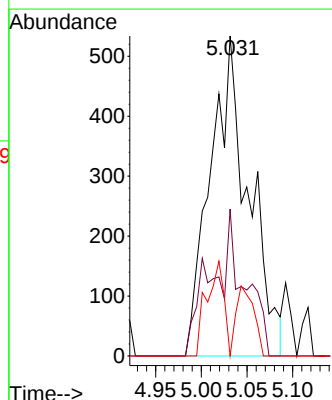
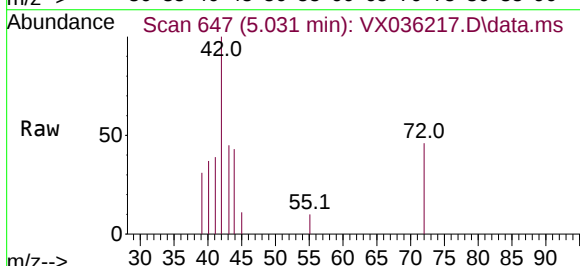
Tgt Ion: 42 Resp: 1557

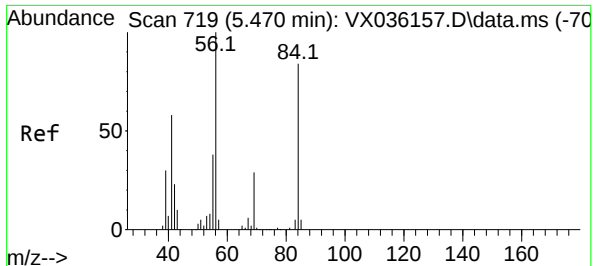
Ion Ratio Lower Upper

42 100

72 20.7 34.2 51.4#

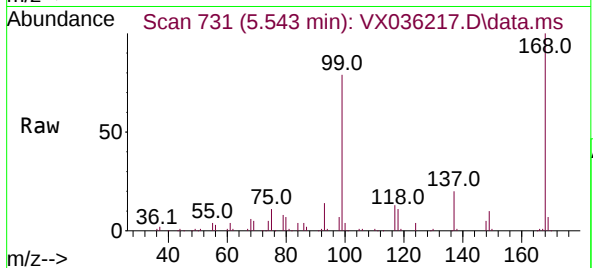
71 10.0 32.2 48.2#



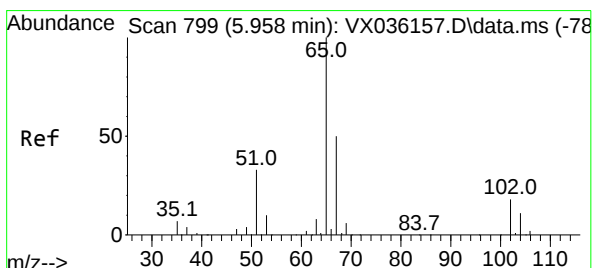
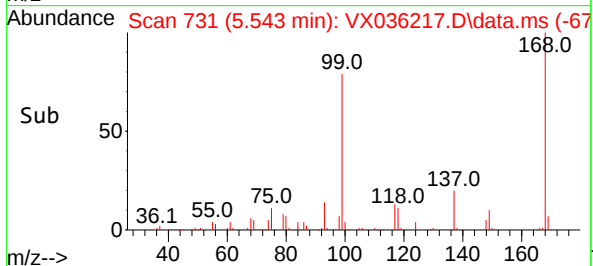
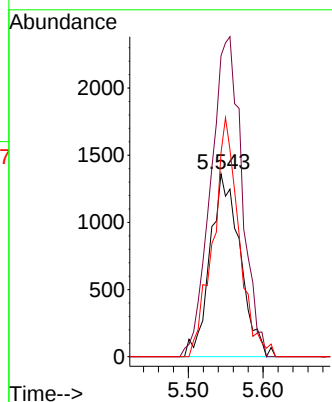


#31
Cyclohexane
Concen: 1.448 ug/l
RT: 5.543 min Scan# 719
Delta R.T. 0.074 min
Lab File: VX036217.D
Acq: 19 Jun 2023 19:36

Instrument :
MSVOA_X
ClientSampleId :

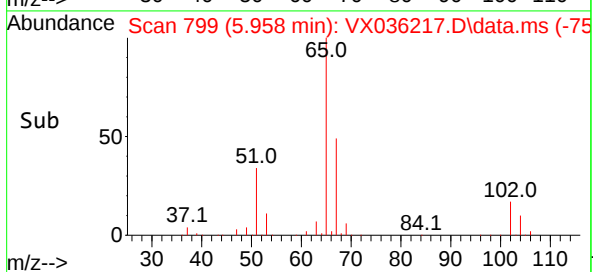
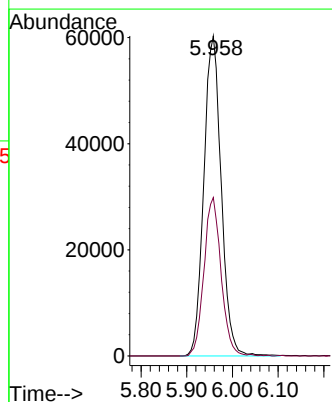
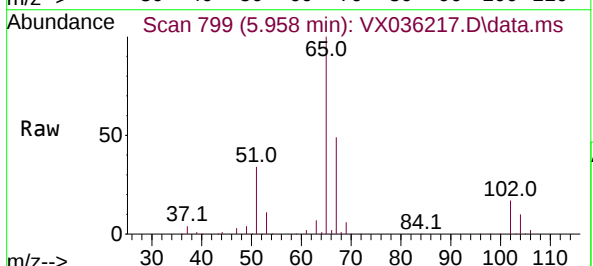


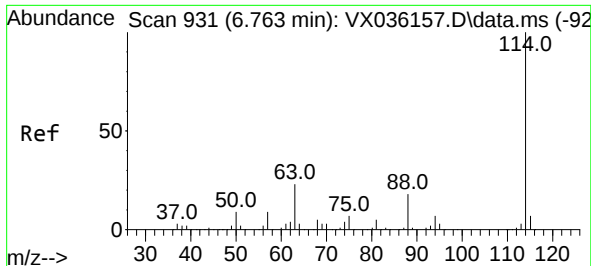
Tgt Ion: 56 Resp: 3806
Ion Ratio Lower Upper
56 100
69 164.6 23.4 35.2#
84 111.4 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 65.052 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX036217.D
Acq: 19 Jun 2023 19:36

Tgt Ion: 65 Resp: 159421
Ion Ratio Lower Upper
65 100
67 48.5 0.0 100.2

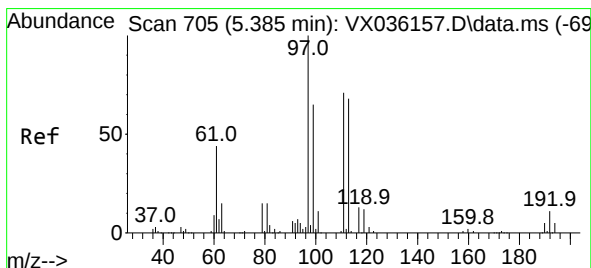
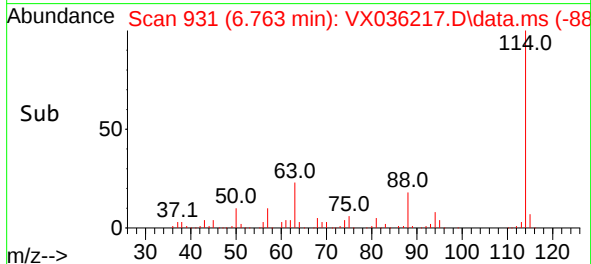
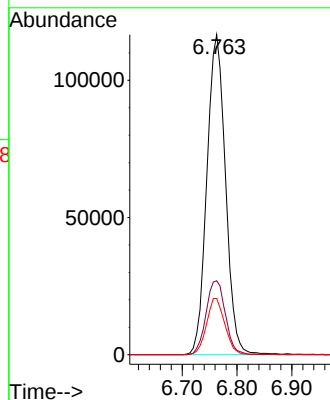
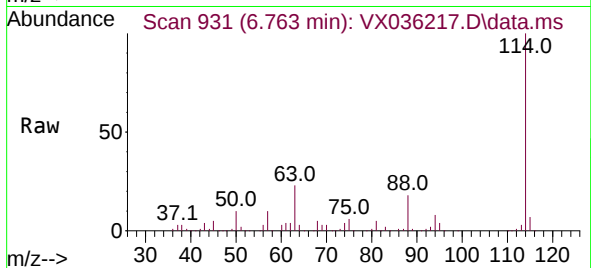




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX036217.D
Acq: 19 Jun 2023 19:36

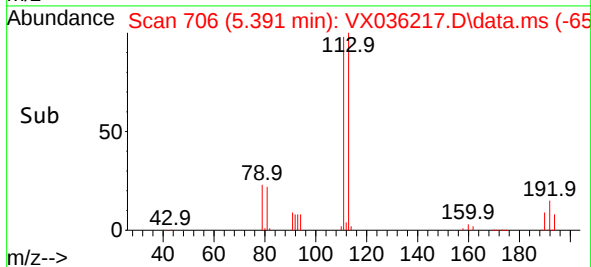
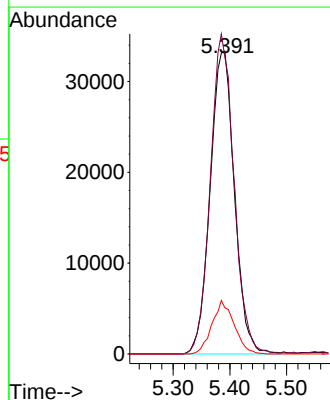
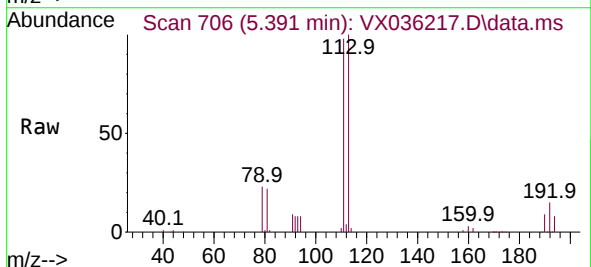
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ClientSampleId :

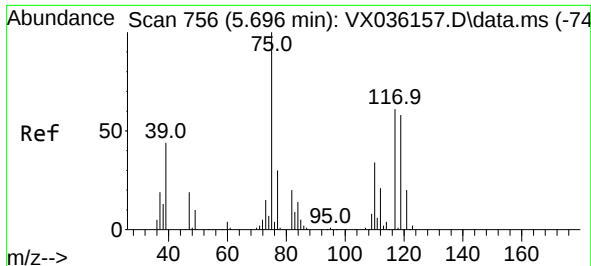
Tgt Ion:114 Resp: 275343
Ion Ratio Lower Upper
114 100
63 23.1 0.0 45.0
88 17.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 53.010 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX036217.D
Acq: 19 Jun 2023 19:36

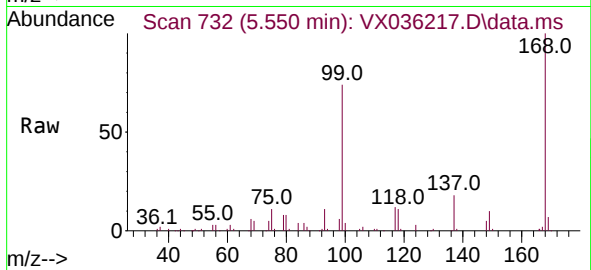
Tgt Ion:113 Resp: 98977
Ion Ratio Lower Upper
113 100
111 102.9 82.9 124.3
192 16.1 13.3 19.9



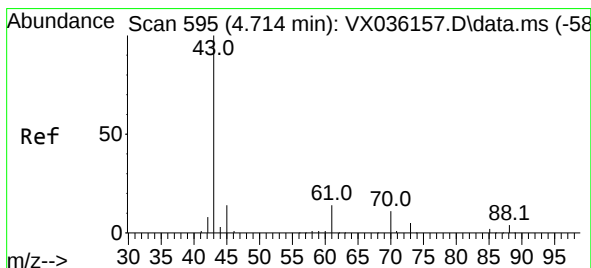
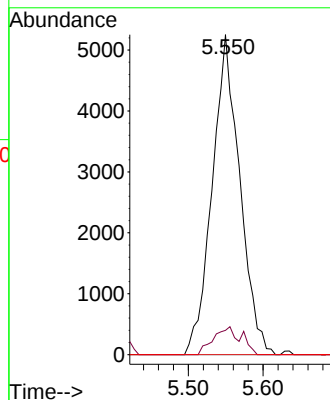
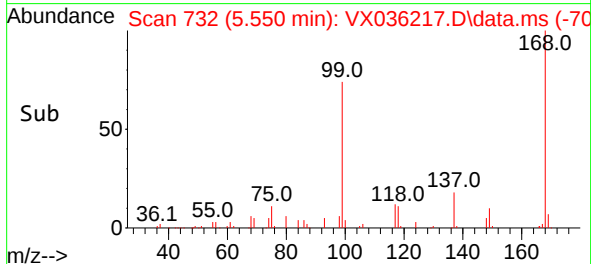


#36
1,1-Dichloropropene
Concen: 4.904 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX036217.D
Acq: 19 Jun 2023 19:36

Instrument :
MSVOA_X
ClientSampleId :

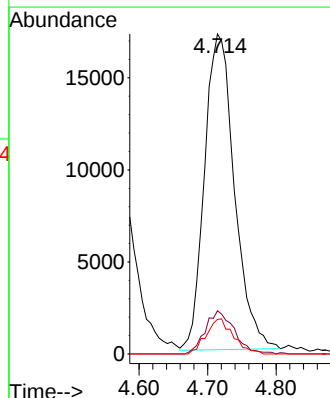
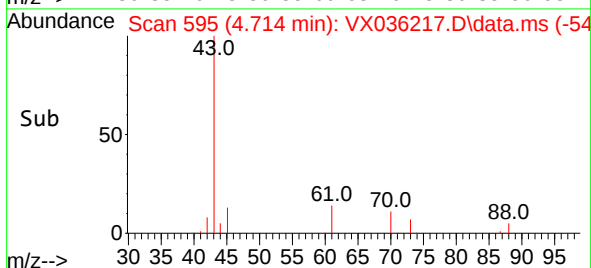
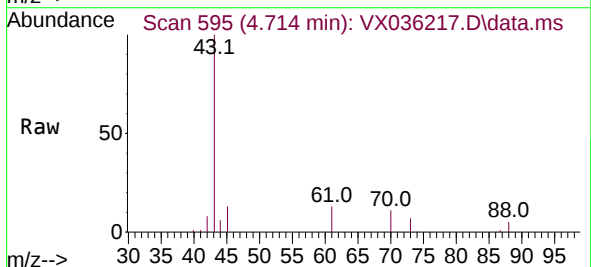


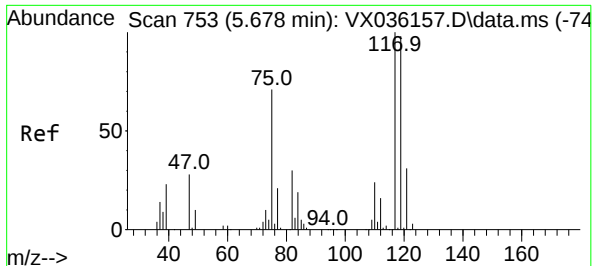
Tgt Ion: 75 Resp: 13489
Ion Ratio Lower Upper
75 100
110 8.7 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 16.282 ug/l
RT: 4.714 min Scan# 595
Delta R.T. 0.000 min
Lab File: VX036217.D
Acq: 19 Jun 2023 19:36

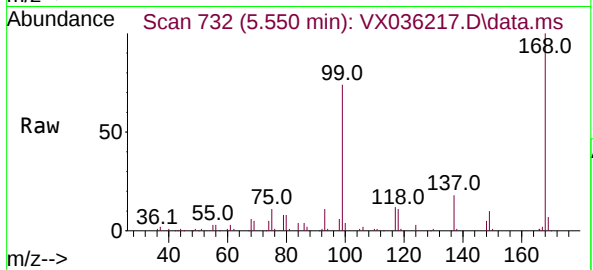
Tgt Ion: 43 Resp: 52174
Ion Ratio Lower Upper
43 100
61 13.2 10.6 16.0
70 10.0 8.3 12.5



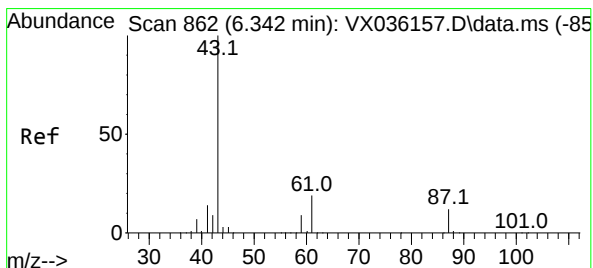
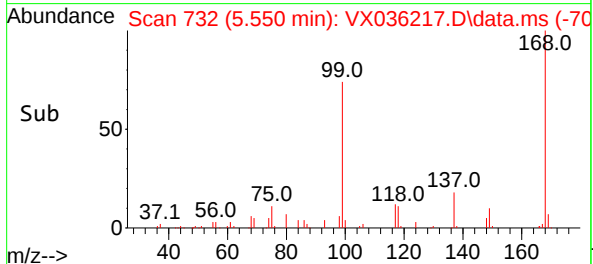
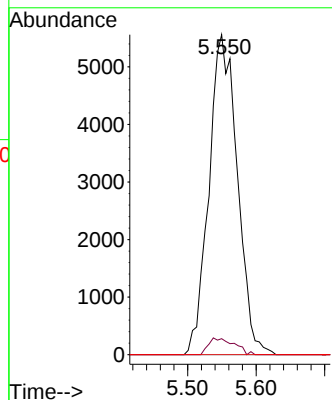


#38
Carbon Tetrachloride
Concen: 5.988 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX036217.D
Acq: 19 Jun 2023 19:36

Instrument :
MSVOA_X
ClientSampleId :

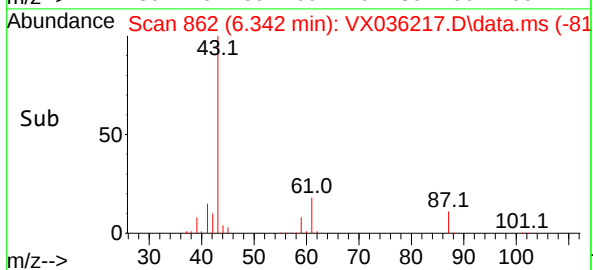
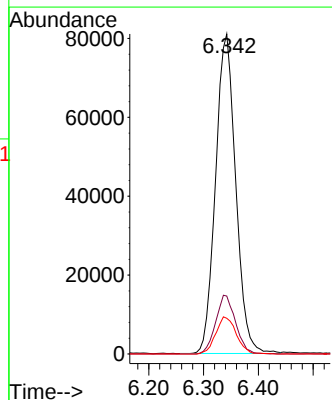
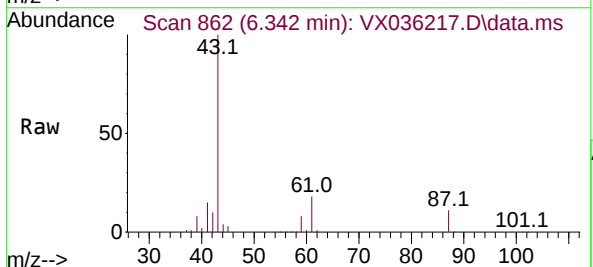


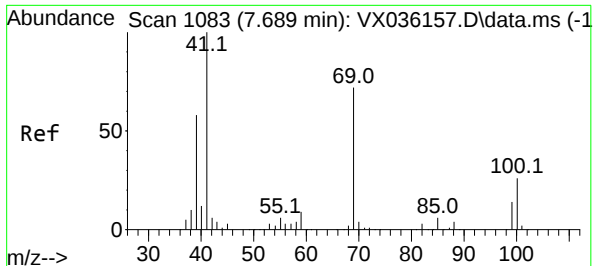
Tgt Ion:117 Resp: 16010
Ion Ratio Lower Upper
117 100
119 5.0 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 42.250 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX036217.D
Acq: 19 Jun 2023 19:36

Tgt Ion: 43 Resp: 207195
Ion Ratio Lower Upper
43 100
61 18.1 15.2 22.8
87 11.8 9.8 14.6





#48

Methyl methacrylate

Concen: 74.082 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.110 min

Lab File: VX036217.D

Acq: 19 Jun 2023 19:36

Instrument :

MSVOA_X

ClientSampleId :

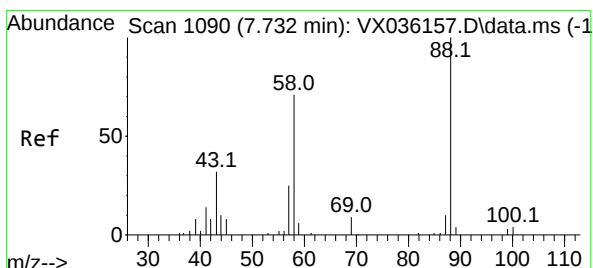
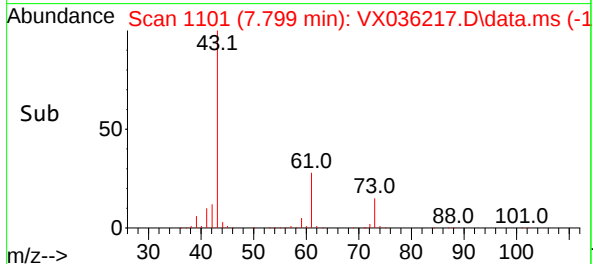
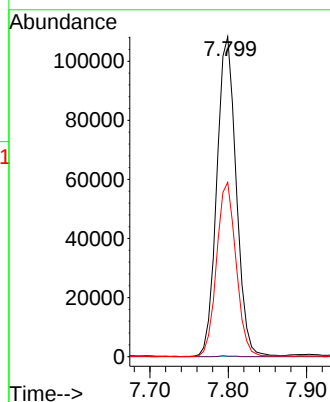
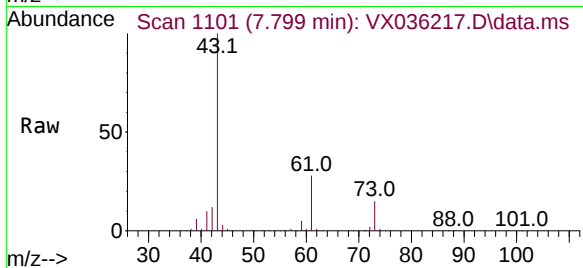
Tgt Ion: 41 Resp: 186393

Ion Ratio Lower Upper

41 100

69 0.2 59.2 88.8#

39 54.9 47.7 71.5



#49

1,4-Dioxane

Concen: 0.831 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. -0.036 min

Lab File: VX036217.D

Acq: 19 Jun 2023 19:36

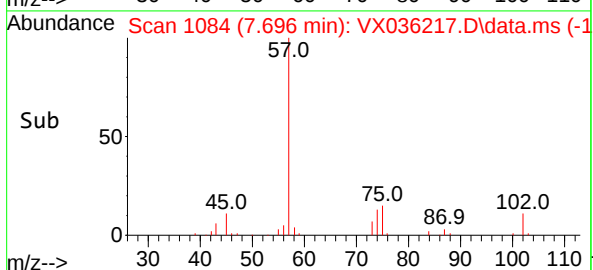
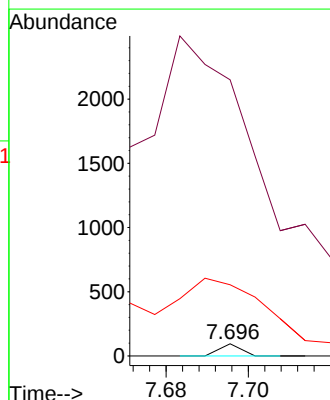
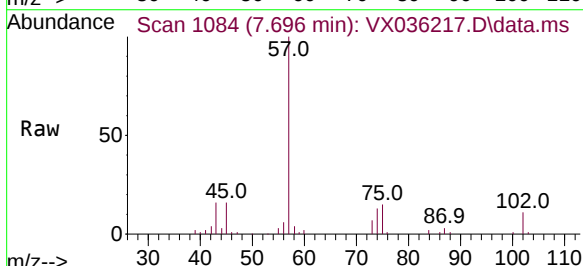
Tgt Ion: 88 Resp: 35

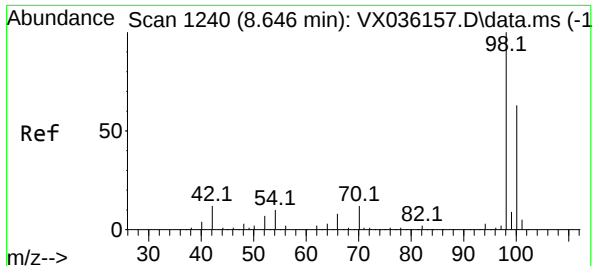
Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 2694.3 60.1 90.1#





#50

Toluene-d8

Concen: 50.389 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.001 min

Lab File: VX036217.D

Acq: 19 Jun 2023 19:36

Instrument :

MSVOA_X

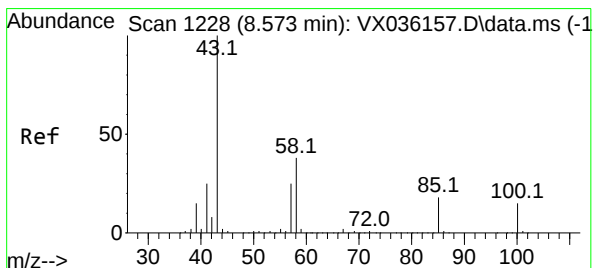
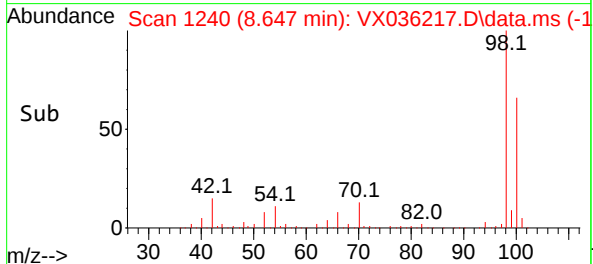
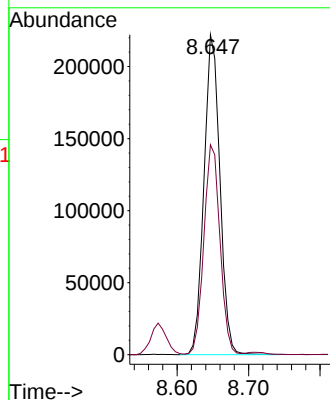
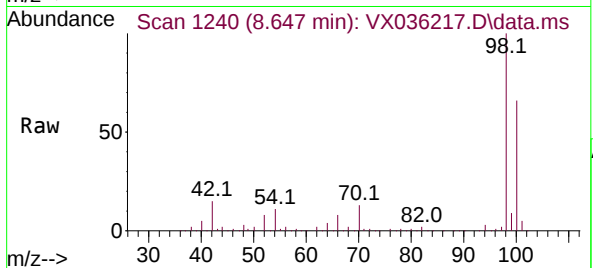
ClientSampleId :

Tgt Ion: 98 Resp: 344151

Ion Ratio Lower Upper

98 100

100 65.8 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 125.246 ug/l

RT: 8.573 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX036217.D

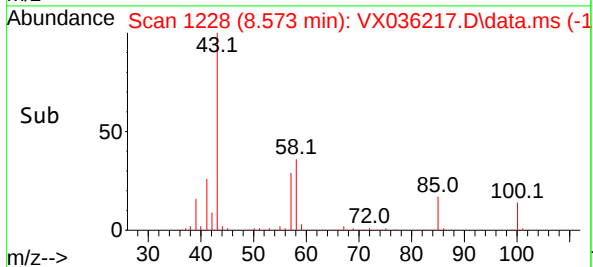
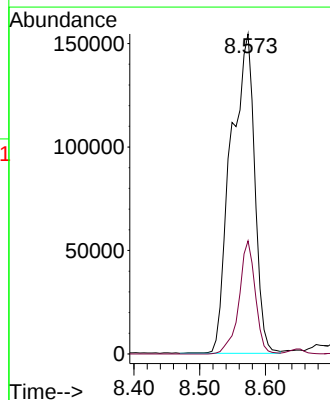
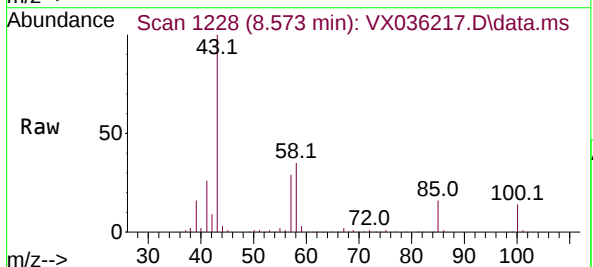
Acq: 19 Jun 2023 19:36

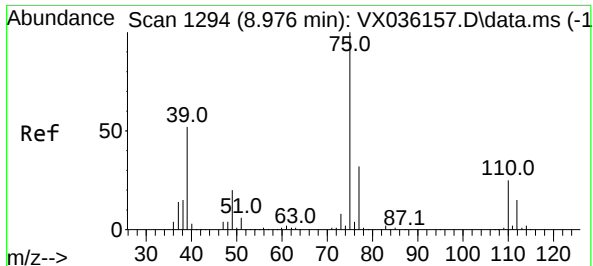
Tgt Ion: 43 Resp: 387827

Ion Ratio Lower Upper

43 100

58 24.3 30.4 45.6#

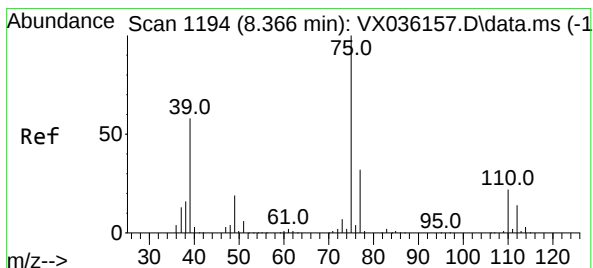
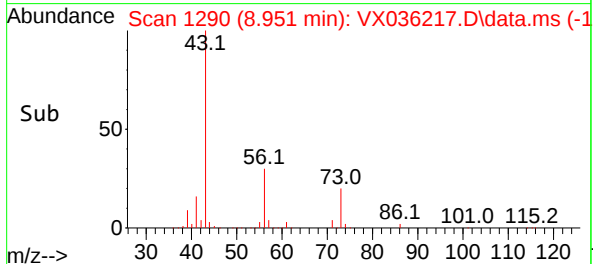
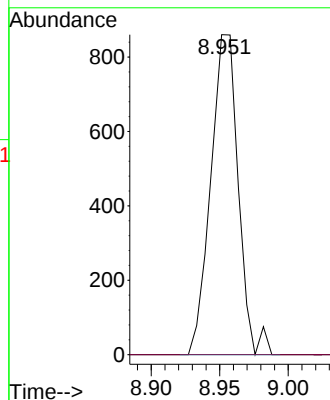
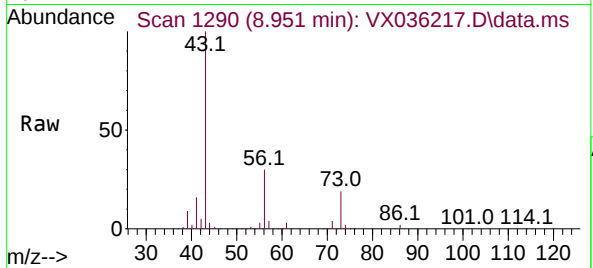




#53
 t-1,3-Dichloropropene
 Concen: 0.415 ug/l
 RT: 8.951 min Scan# 11
 Delta R.T. -0.025 min
 Lab File: VX036217.D
 Acq: 19 Jun 2023 19:36

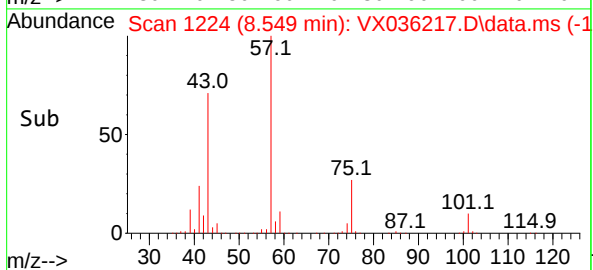
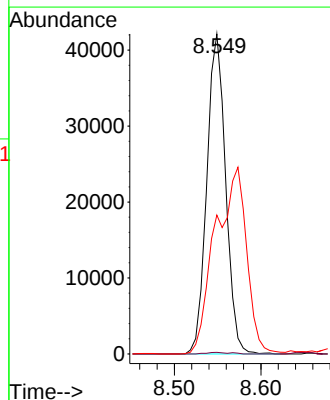
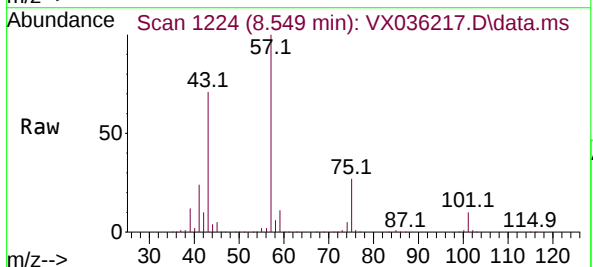
Instrument :
 MSVOA_X
 ClientSampleId :

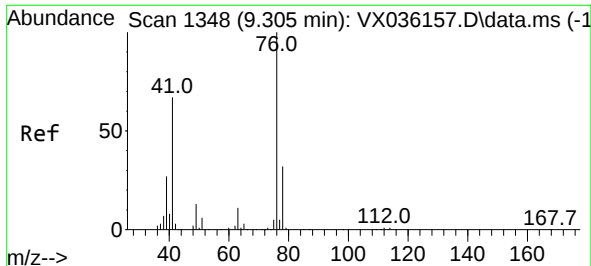
Tgt Ion: 75 Resp: 1203
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 20.447 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX036217.D
 Acq: 19 Jun 2023 19:36

Tgt Ion: 75 Resp: 63515
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 43.4 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.283 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX036217.D

Acq: 19 Jun 2023 19:36

Instrument :

MSVOA_X

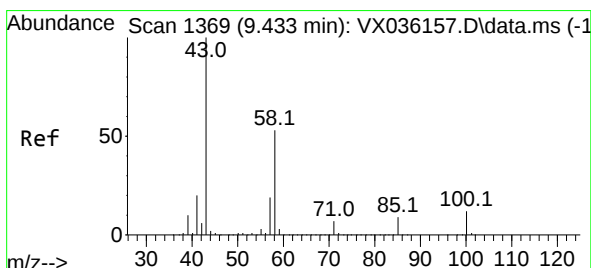
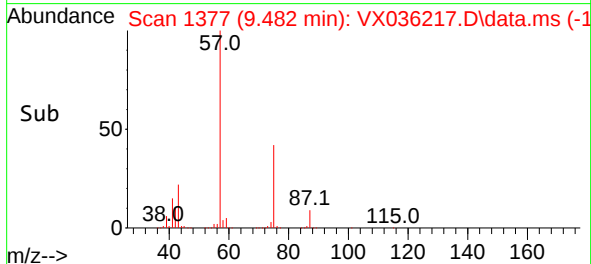
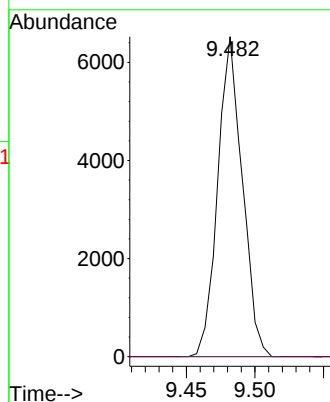
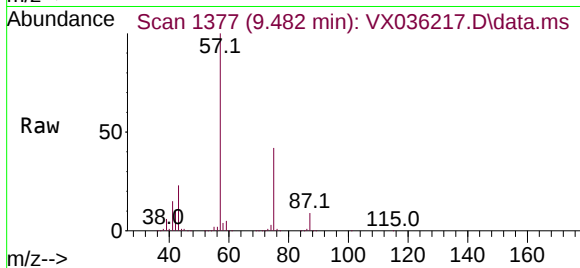
ClientSampleId :

Tgt Ion: 76 Resp: 8120

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 56.283 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX036217.D

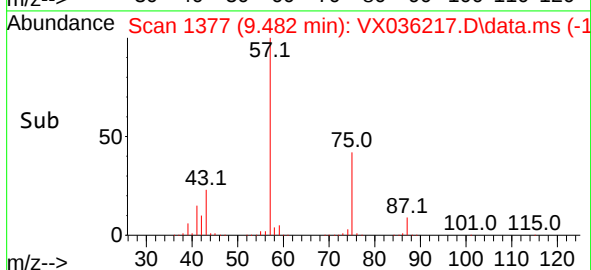
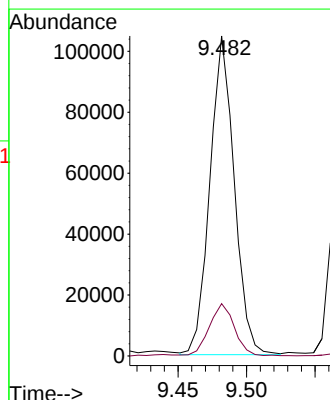
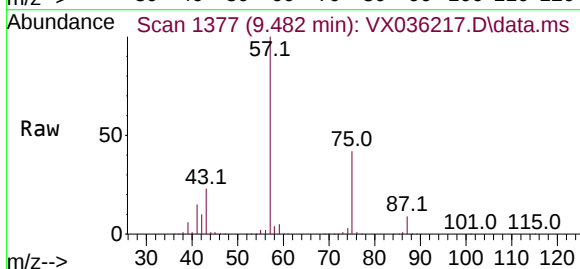
Acq: 19 Jun 2023 19:36

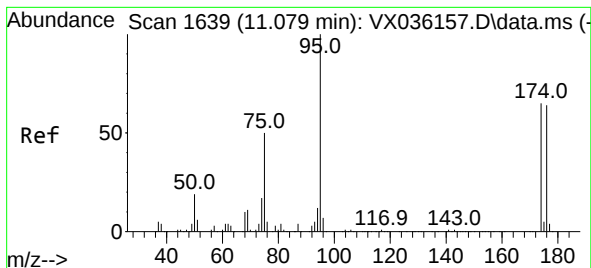
Tgt Ion: 43 Resp: 129568

Ion Ratio Lower Upper

43 100

58 17.1 26.2 78.5#

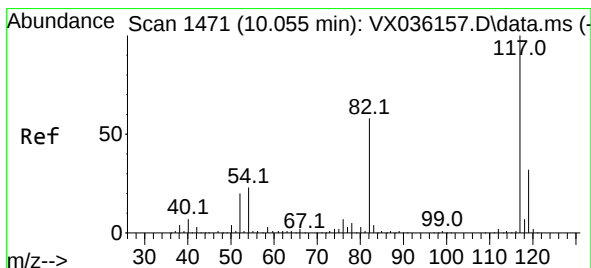
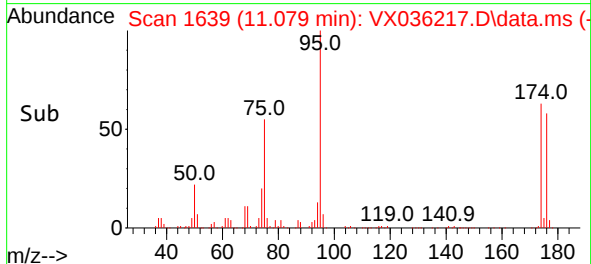
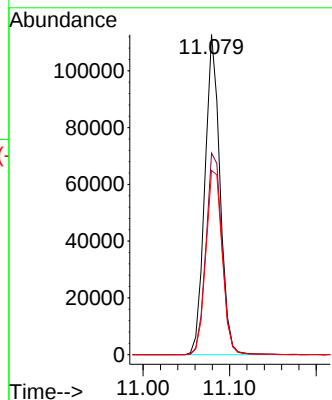
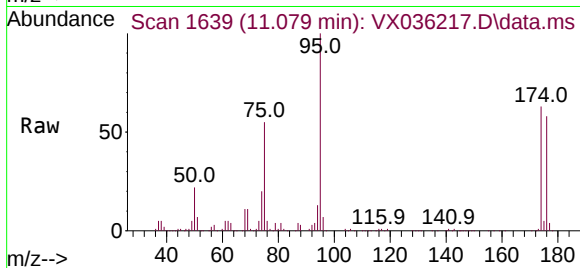




#62
4-Bromofluorobenzene
Concen: 49.490 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036217.D
Acq: 19 Jun 2023 19:36

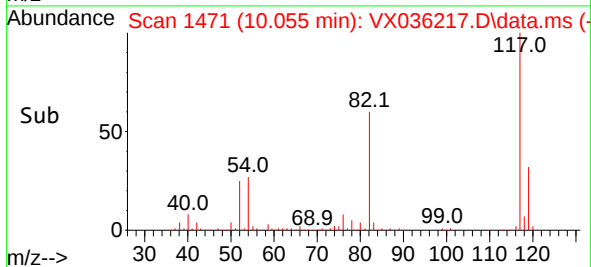
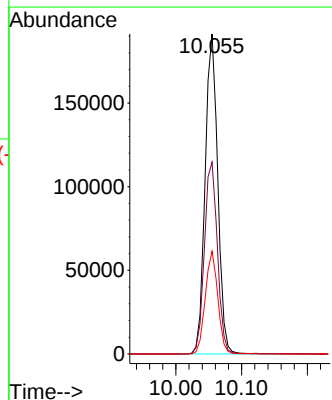
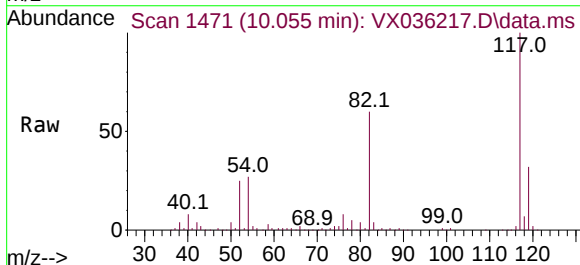
Instrument :
MSVOA_X
ClientSampleId :

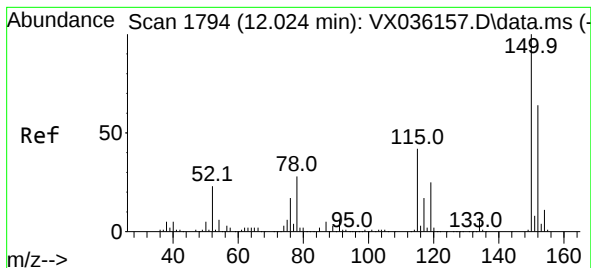
Tgt Ion: 95 Resp: 136442
Ion Ratio Lower Upper
95 100
174 67.2 0.0 135.6
176 62.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036217.D
Acq: 19 Jun 2023 19:36

Tgt Ion: 117 Resp: 255425
Ion Ratio Lower Upper
117 100
82 60.0 46.2 69.4
119 32.1 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX036217.D

Acq: 19 Jun 2023 19:36

Instrument :

MSVOA_X

ClientSampleId :

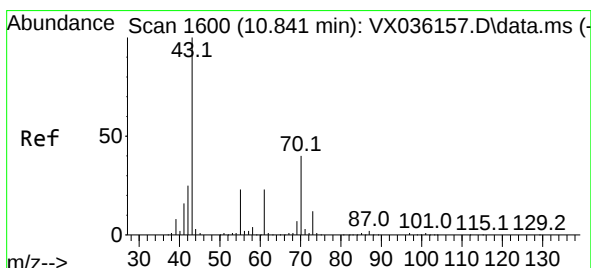
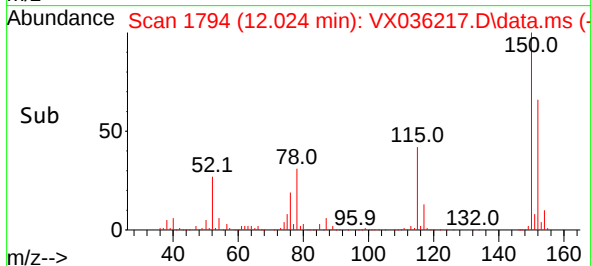
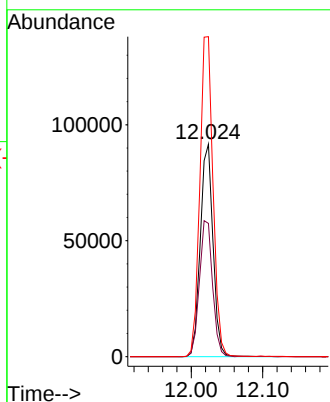
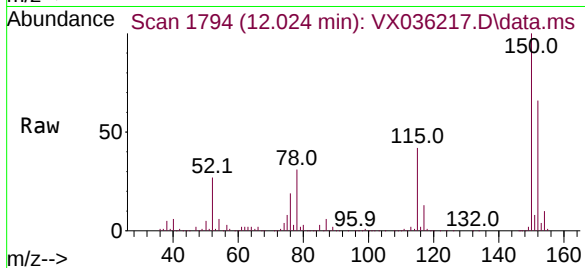
Tgt Ion:152 Resp: 112943

Ion Ratio Lower Upper

152 100

115 66.3 43.3 129.9

150 156.2 0.0 345.0



#74

N-ethyl acetate

Concen: 13.348 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX036217.D

Acq: 19 Jun 2023 19:36

Tgt Ion: 43 Resp: 50549

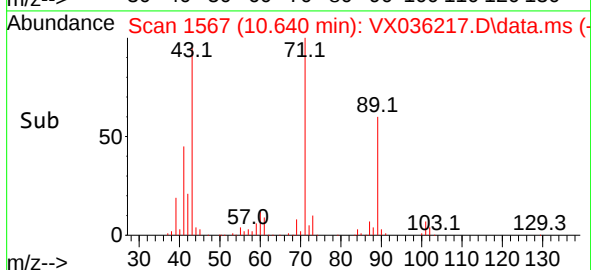
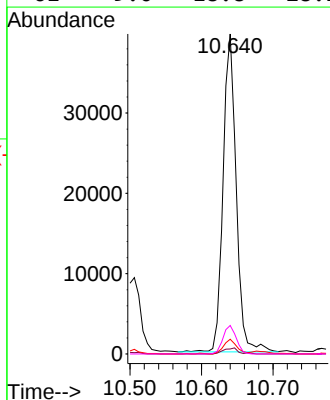
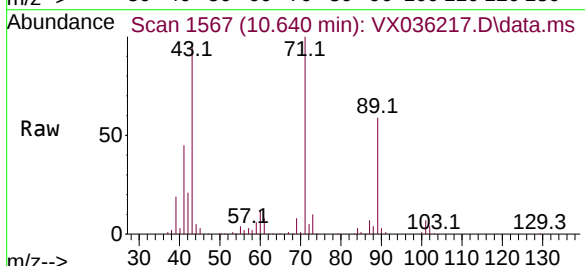
Ion Ratio Lower Upper

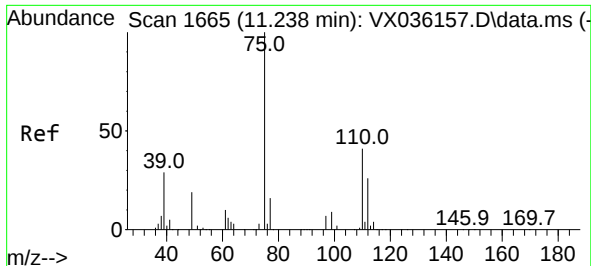
43 100

70 2.1 32.9 49.3#

55 4.6 19.3 28.9#

61 9.0 18.8 28.2#

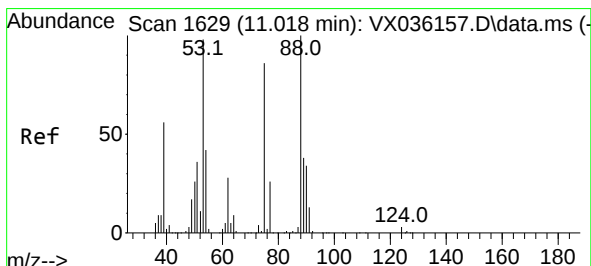
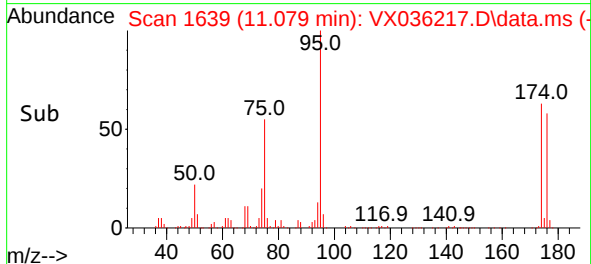
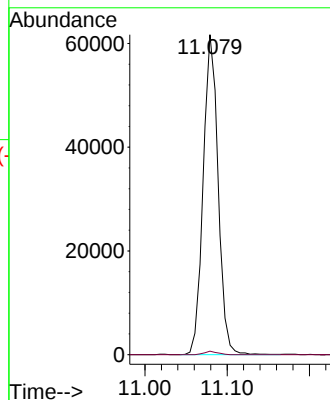
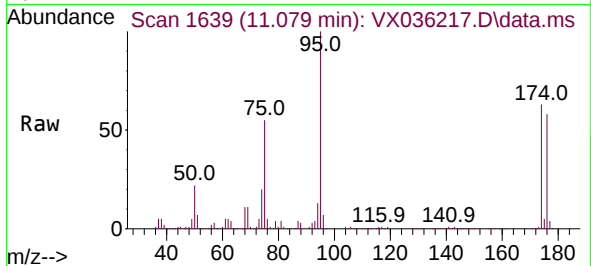




#76
1,2,3-Trichloropropane
Concen: 29.029 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX036217.D
Acq: 19 Jun 2023 19:36

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 77812
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.609 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036217.D
Acq: 19 Jun 2023 19:36

Tgt Ion: 75 Resp: 77812
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 36.9 55.3#

