

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061923\
 Data File : VX036213.D
 Acq On : 19 Jun 2023 18:02
 Operator : JC/MD
 Sample : PB153531ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 20 03:46:03 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)

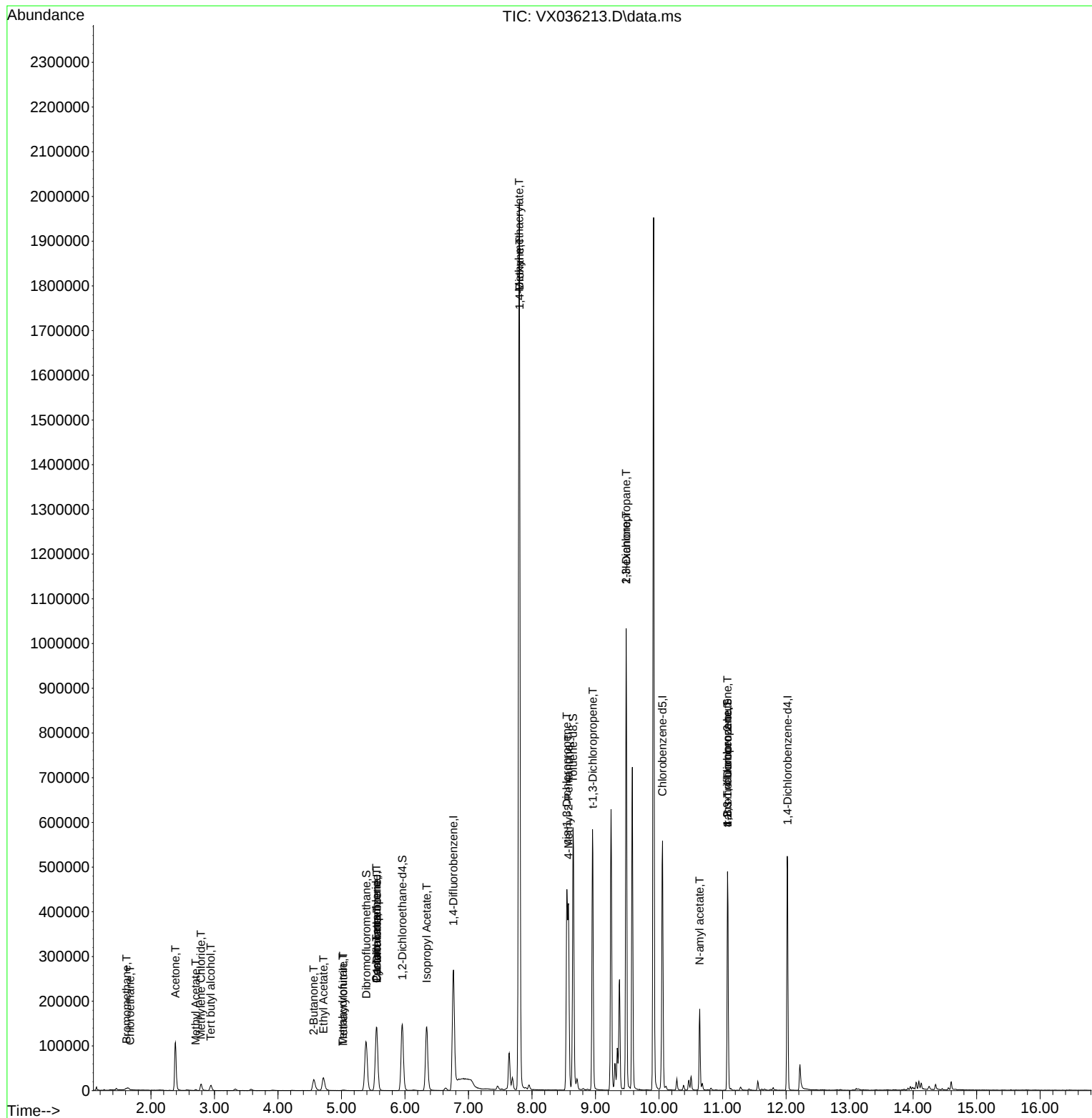
Internal Standards						
1) Pentafluorobenzene	5.556	168	118802	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	239003	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	221966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97306	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	154148	71.002	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 142.000%#		
35) Dibromofluoromethane	5.391	113	95495	58.921	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 117.840%		
50) Toluene-d8	8.647	98	324977	54.816	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 109.640%		
62) 4-Bromofluorobenzene	11.079	95	126612	52.907	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 105.820%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	300	0.332	ug/l #	3
6) Chloroethane	1.672	64	229	0.241	ug/l #	43
11) Tert butyl alcohol	2.941	59	7441	22.419	ug/l #	79
16) Acetone	2.386	43	127004	140.804	ug/l	100
18) Methyl Acetate	2.703	43	3173	0.928	ug/l	93
20) Methylene Chloride	2.788	84	6684	4.090	ug/l	96
25) 2-Butanone	4.562	43	41391	32.778	ug/l	98
29) Tetrahydrofuran	5.019	42	1365	1.702	ug/l #	70
31) Cyclohexane	5.556	56	3619	1.554	ug/l #	21
36) 1,1-Dichloropropene	5.556	75	12184	5.103	ug/l #	50
37) Ethyl Acetate	4.715	43	52334	18.815	ug/l	99
38) Carbon Tetrachloride	5.550	117	14088	6.070	ug/l #	15
41) Methacrylonitrile	5.025	41	492	0.321	ug/l #	52
43) Isopropyl Acetate	6.342	43	201071	47.235	ug/l	98
48) Methyl methacrylate	7.799	41	186576	85.430	ug/l #	49
49) 1,4-Dioxane	7.805	88	325	8.888	ug/l #	1
51) 4-Methyl-2-Pentanone	8.574	43	382071	142.148	ug/l #	77
53) t-1,3-Dichloropropene	8.958	75	1162	0.462	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	62861	23.313	ug/l #	65
57) 1,3-Dichloropropane	9.482	76	8503	2.754	ug/l #	42
59) 2-Hexanone	9.482	43	129817	64.965	ug/l #	51
74) N-amyl acetate	10.640	43	49494	15.169	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	71919	31.143	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	71919	109.006	ug/l #	5

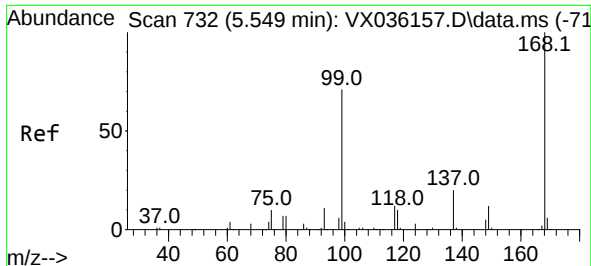
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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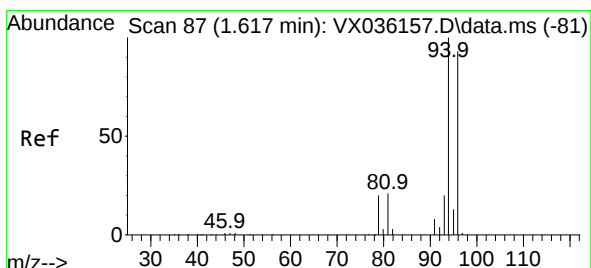
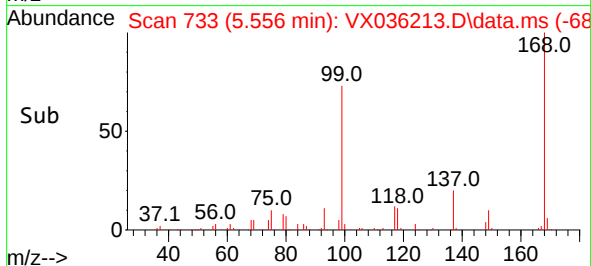
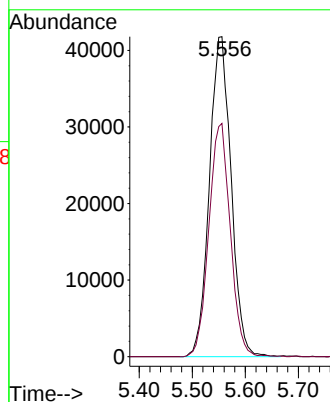
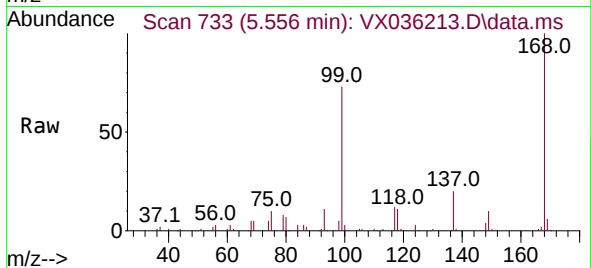




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036213.D
Acq: 19 Jun 2023 18:02

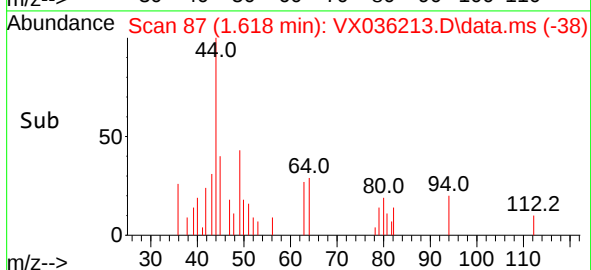
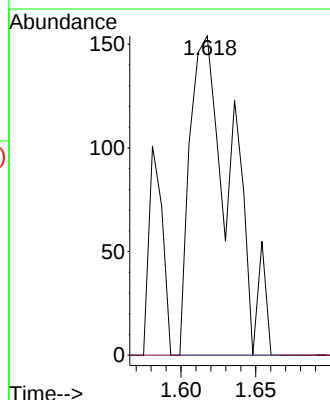
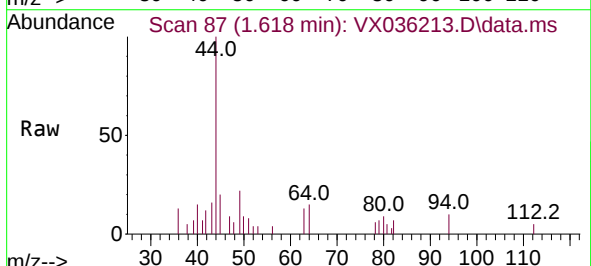
Instrument :
MSVOA_X
ClientSampleId :

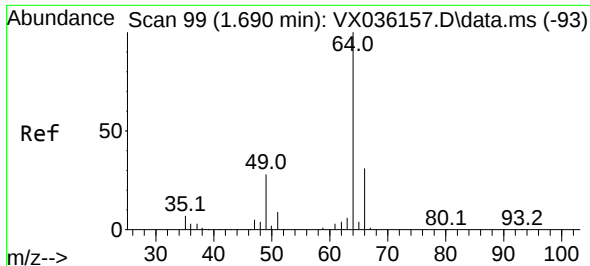
Tgt Ion:168 Resp: 118802
Ion Ratio Lower Upper
168 100
99 72.9 56.6 85.0



#5
Bromomethane
Concen: 0.332 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.001 min
Lab File: VX036213.D
Acq: 19 Jun 2023 18:02

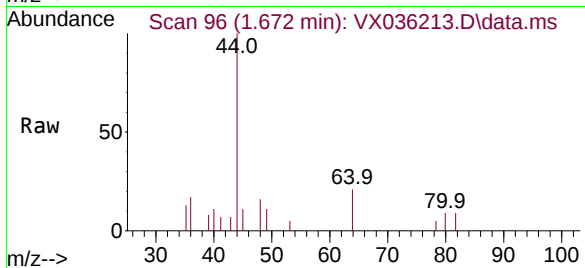
Tgt Ion: 94 Resp: 300
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#



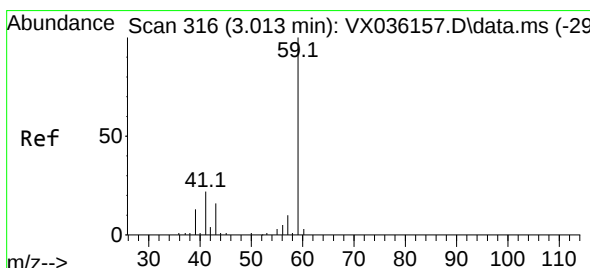
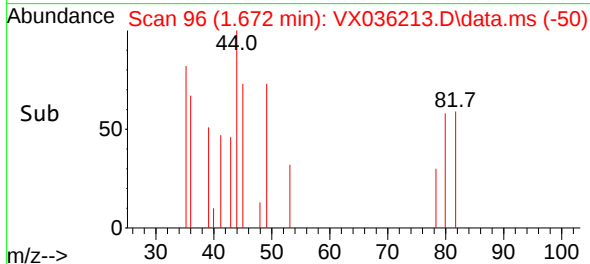
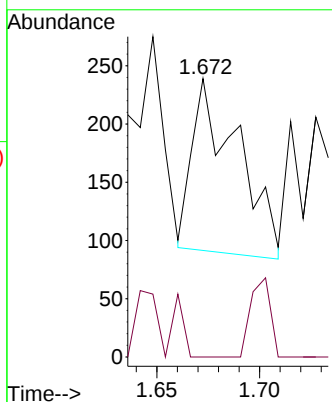


#6
Chloroethane
Concen: 0.241 ug/l
RT: 1.672 min Scan# 90
Delta R.T. -0.018 min
Lab File: VX036213.D
Acq: 19 Jun 2023 18:02

Instrument :
MSVOA_X
ClientSampleId :

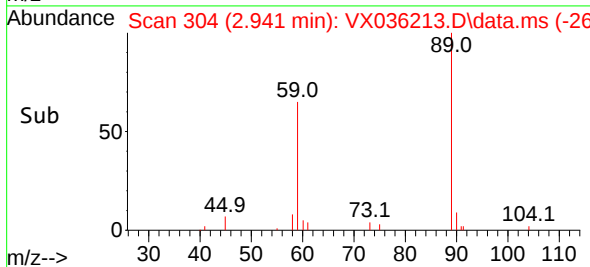
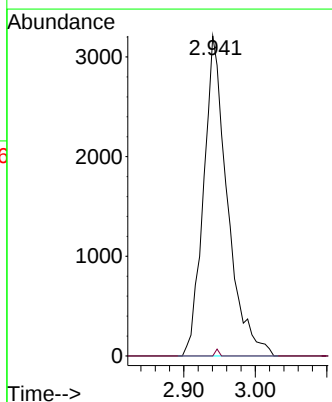
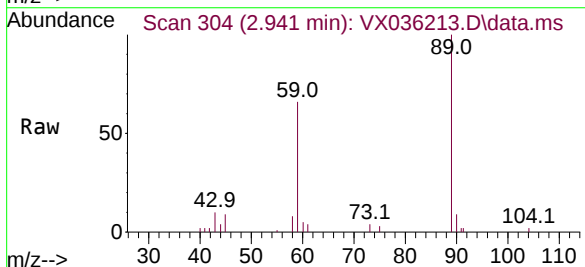


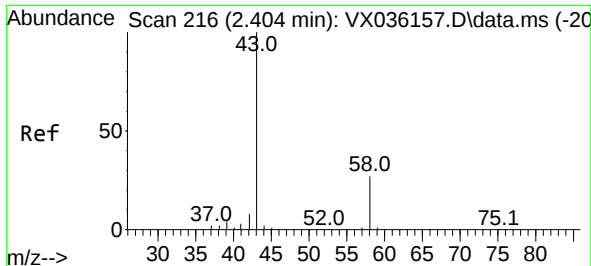
Tgt Ion: 64 Resp: 229
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 22.419 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.072 min
Lab File: VX036213.D
Acq: 19 Jun 2023 18:02

Tgt Ion: 59 Resp: 7441
Ion Ratio Lower Upper
59 100
57 0.3 6.0 9.0#

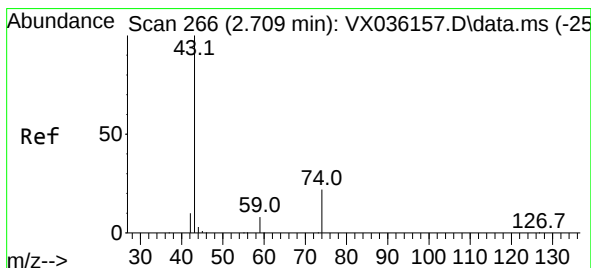
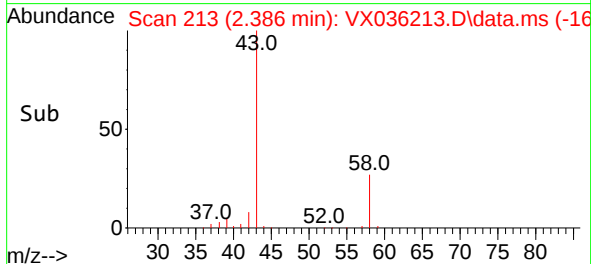
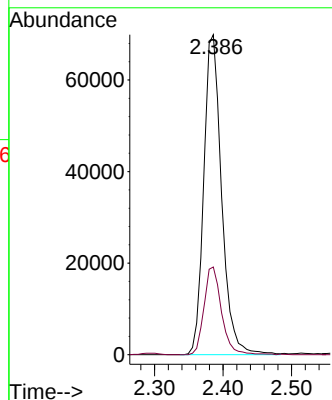
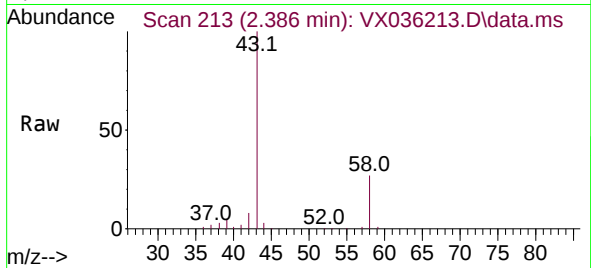




#16
Acetone
Concen: 140.804 ug/l
RT: 2.386 min Scan# 216
Delta R.T. -0.018 min
Lab File: VX036213.D
Acq: 19 Jun 2023 18:02

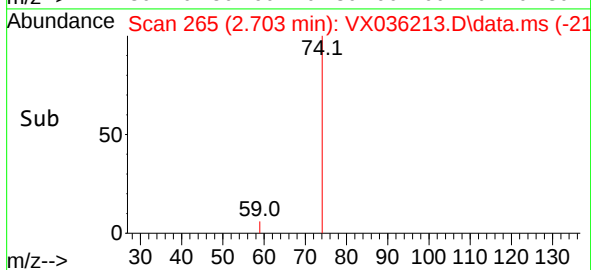
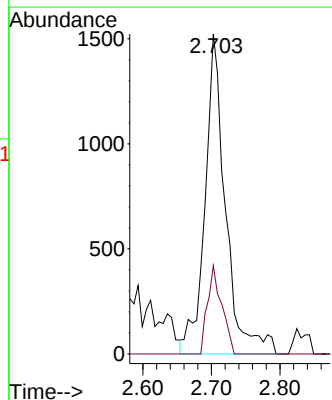
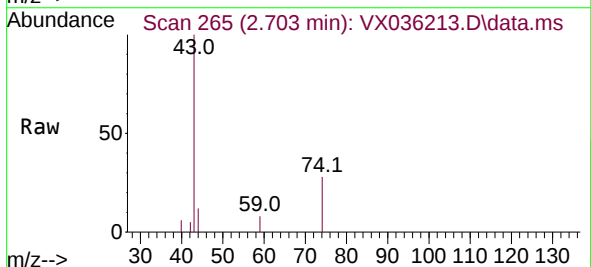
Instrument :
MSVOA_X
ClientSampleId :

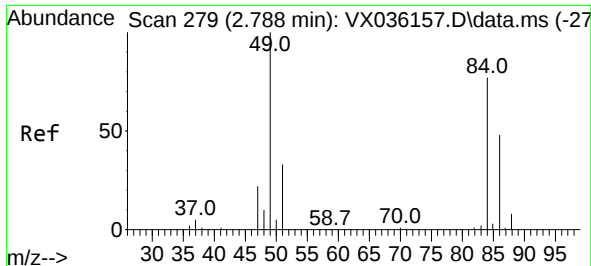
Tgt Ion: 43 Resp: 127004
Ion Ratio Lower Upper
43 100
58 27.4 21.9 32.9



#18
Methyl Acetate
Concen: 0.928 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX036213.D
Acq: 19 Jun 2023 18:02

Tgt Ion: 43 Resp: 3173
Ion Ratio Lower Upper
43 100
74 19.2 17.8 26.8





#20

Methylene Chloride

Concen: 4.090 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

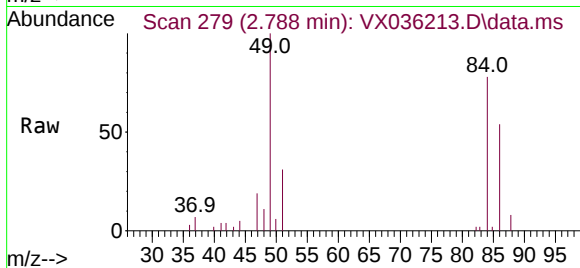
Lab File: VX036213.D

Acq: 19 Jun 2023 18:02

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 6684

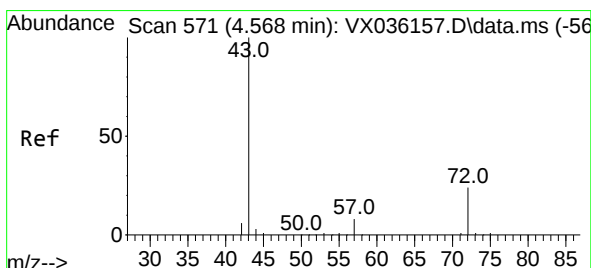
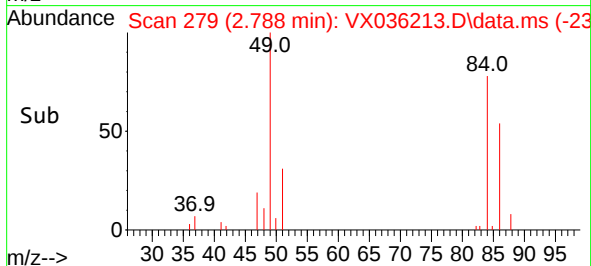
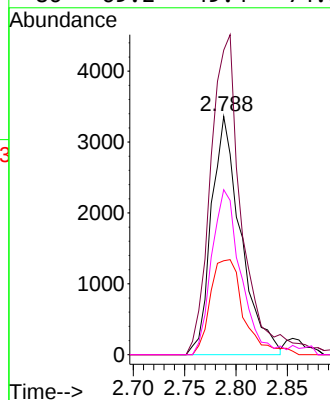
Ion Ratio Lower Upper

84 100

49 127.8 103.6 155.4

51 39.4 33.8 50.6

86 69.2 49.4 74.0



#25

2-Butanone

Concen: 32.778 ug/l

RT: 4.562 min Scan# 570

Delta R.T. -0.006 min

Lab File: VX036213.D

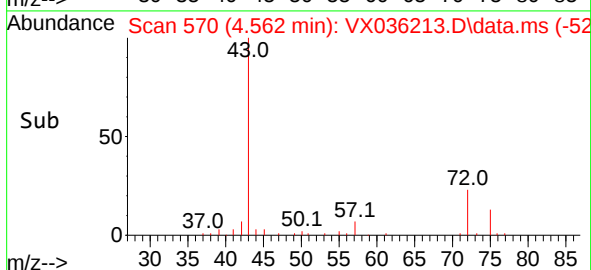
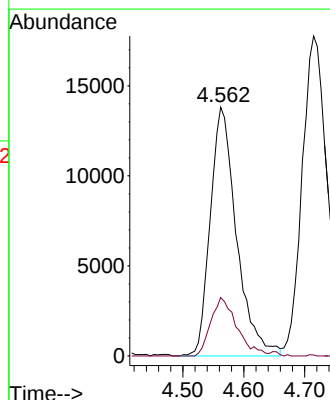
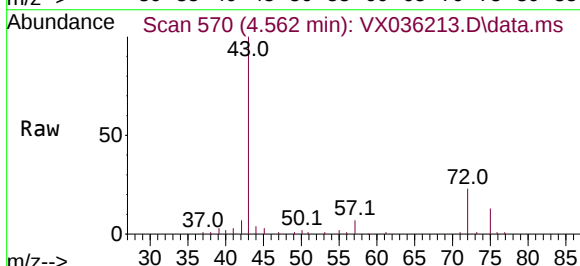
Acq: 19 Jun 2023 18:02

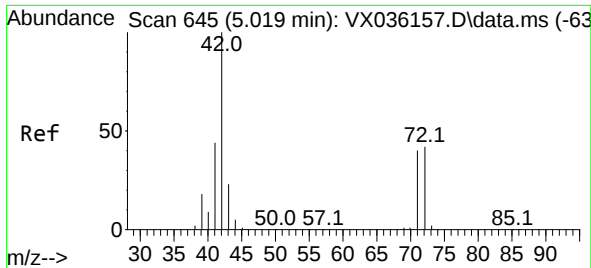
Tgt Ion: 43 Resp: 41391

Ion Ratio Lower Upper

43 100

72 23.5 19.4 29.2

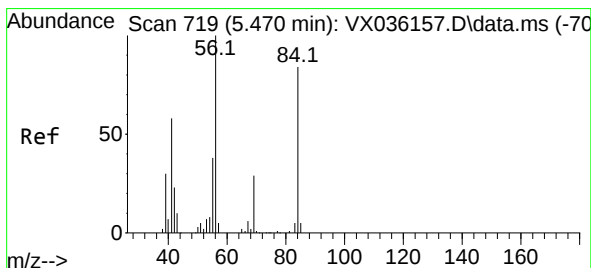
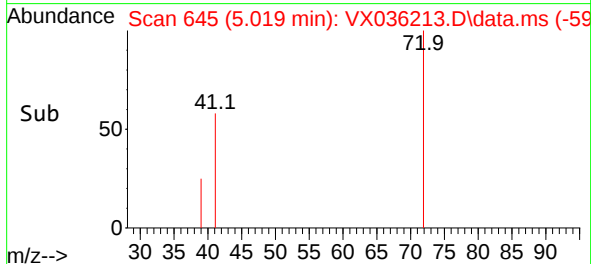
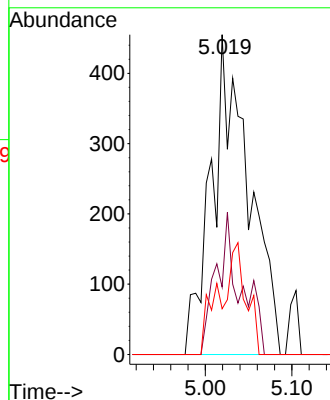
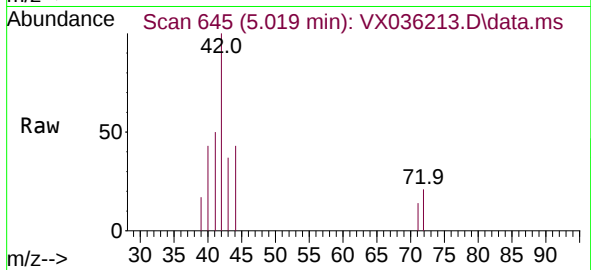




#29
Tetrahydrofuran
Concen: 1.702 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.000 min
Lab File: VX036213.D
Acq: 19 Jun 2023 18:02

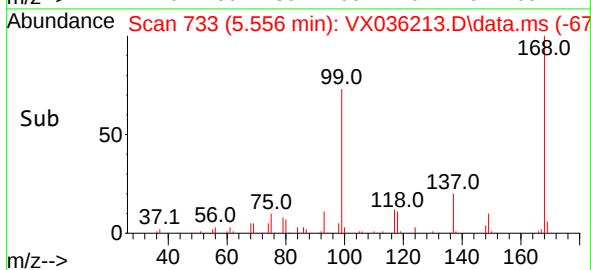
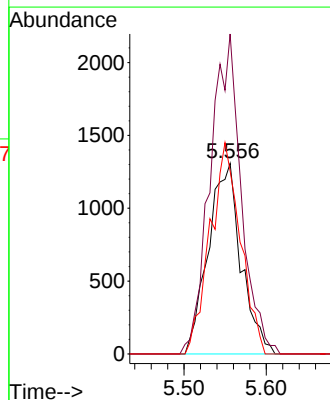
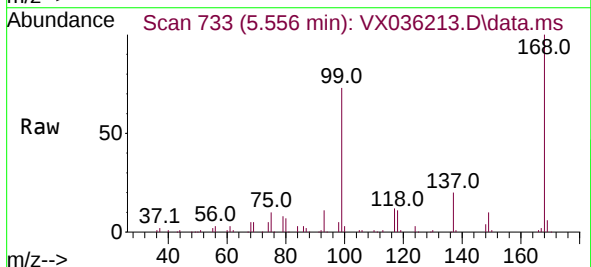
Instrument :
MSVOA_X
ClientSampleId :

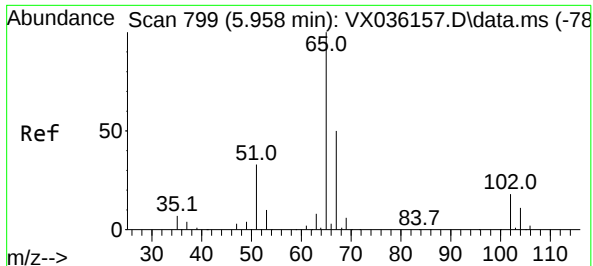
Tgt Ion:	42	Resp:	1365
Ion	Ratio	Lower	Upper
42	100		
72	20.3	34.2	51.4#
71	24.7	32.2	48.2#



#31
Cyclohexane
Concen: 1.554 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.086 min
Lab File: VX036213.D
Acq: 19 Jun 2023 18:02

Tgt Ion:	56	Resp:	3619
Ion	Ratio	Lower	Upper
56	100		
69	167.9	23.4	35.2#
84	96.0	65.9	98.9





#33

1,2-Dichloroethane-d4

Concen: 71.002 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX036213.D

Acq: 19 Jun 2023 18:02

Instrument :

MSVOA_X

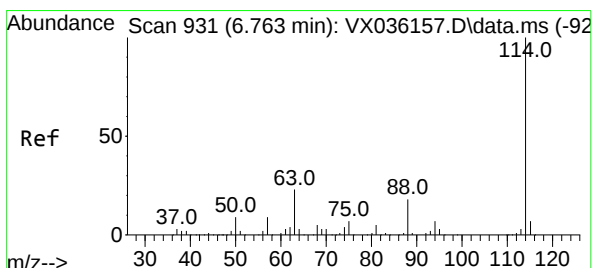
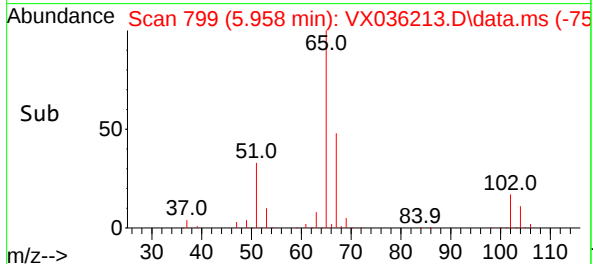
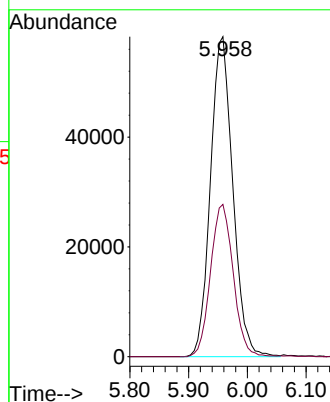
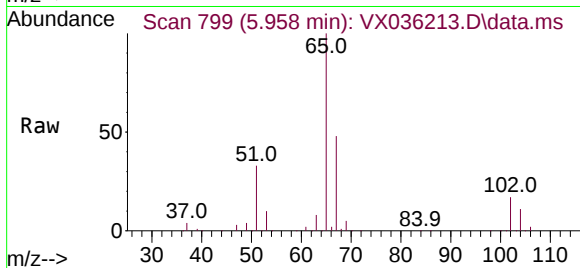
ClientSampleId :

Tgt Ion: 65 Resp: 154148

Ion Ratio Lower Upper

65 100

67 48.3 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX036213.D

Acq: 19 Jun 2023 18:02

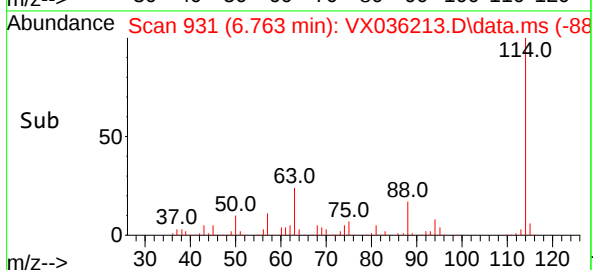
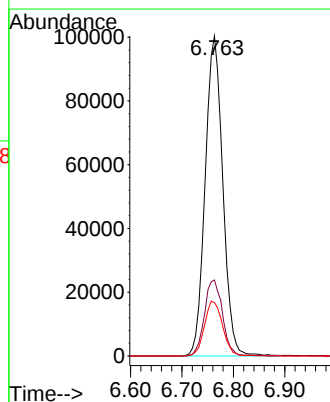
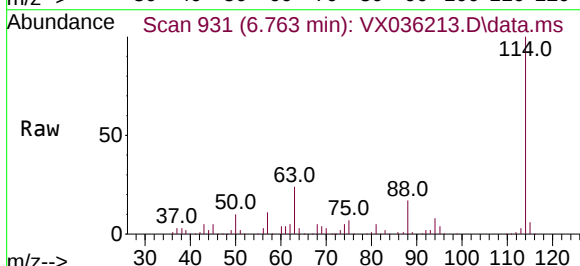
Tgt Ion: 114 Resp: 239003

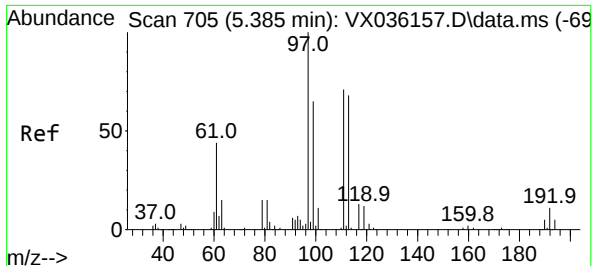
Ion Ratio Lower Upper

114 100

63 23.8 0.0 45.0

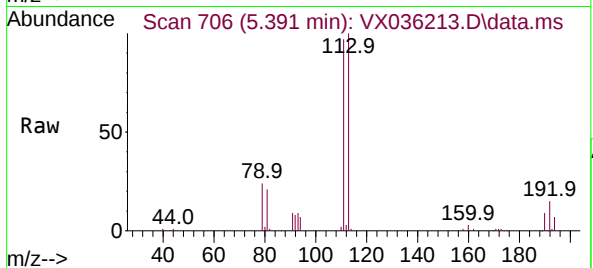
88 16.7 0.0 36.6



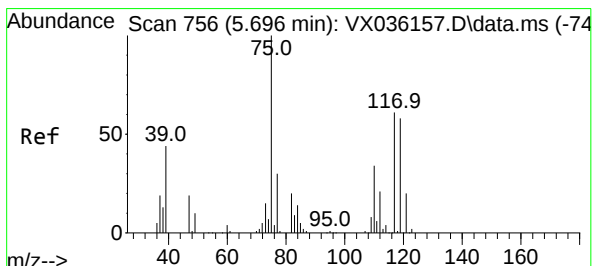
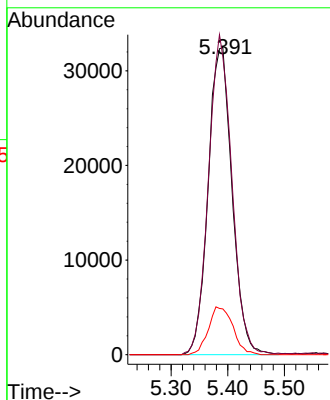
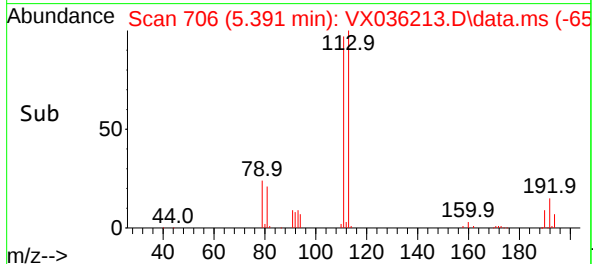


#35
Dibromofluoromethane
Concen: 58.921 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX036213.D
Acq: 19 Jun 2023 18:02

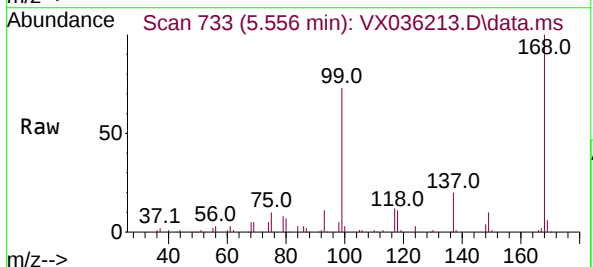
Instrument :
MSVOA_X
ClientSampleId :



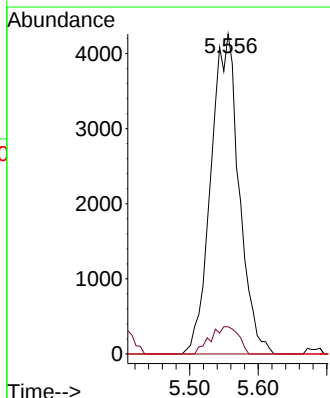
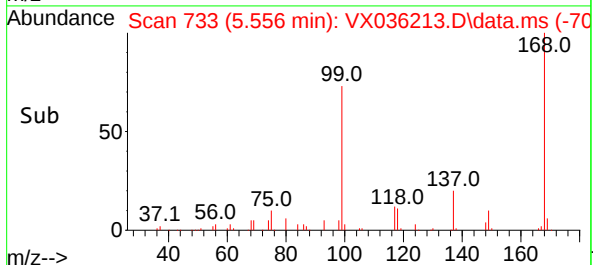
Tgt Ion:113 Resp: 95495
Ion Ratio Lower Upper
113 100
111 101.5 82.9 124.3
192 15.9 13.3 19.9

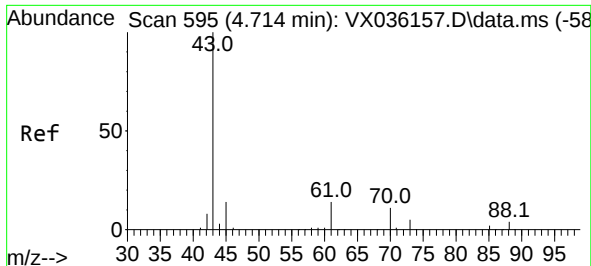


#36
1,1-Dichloropropene
Concen: 5.103 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX036213.D
Acq: 19 Jun 2023 18:02



Tgt Ion: 75 Resp: 12184
Ion Ratio Lower Upper
75 100
110 8.5 17.0 50.9#
77 0.0 24.7 37.1#

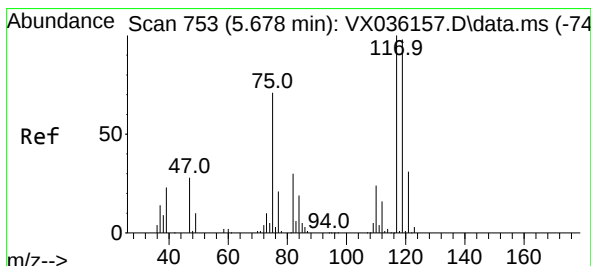
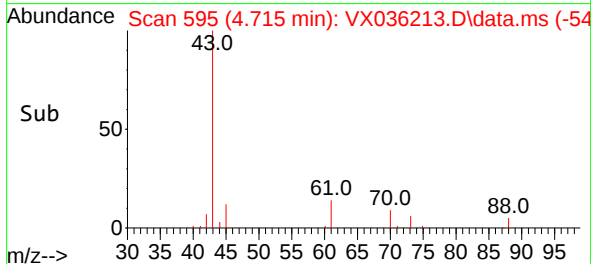
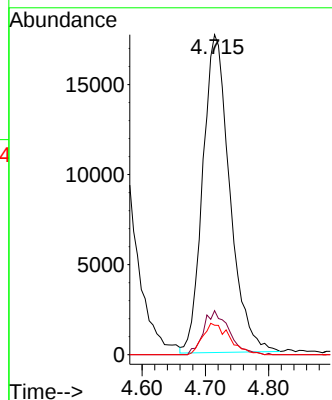
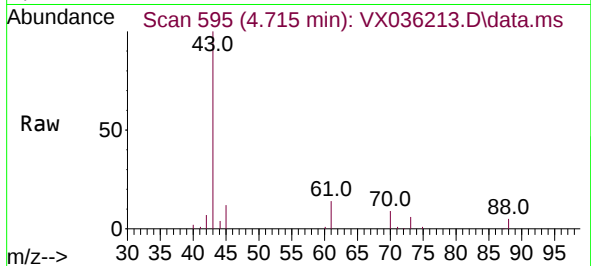




#37
Ethyl Acetate
Concen: 18.815 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.001 min
Lab File: VX036213.D
Acq: 19 Jun 2023 18:02

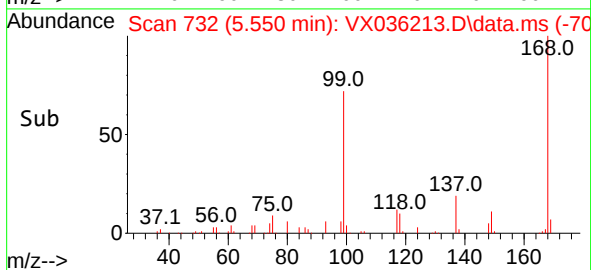
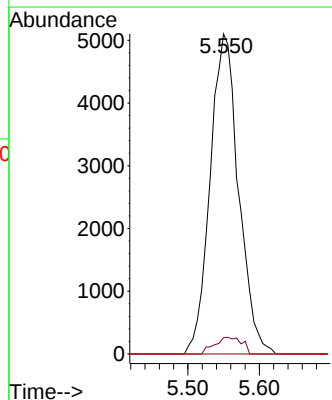
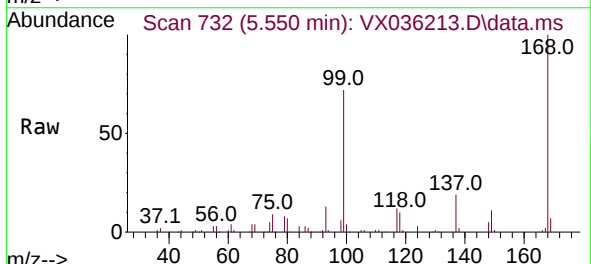
Instrument :
MSVOA_X
ClientSampleId :

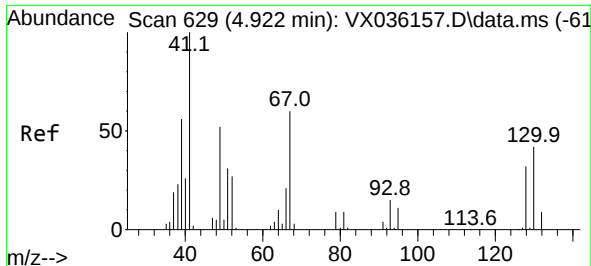
Tgt Ion: 43 Resp: 52334
Ion Ratio Lower Upper
43 100
61 13.1 10.6 16.0
70 9.9 8.3 12.5



#38
Carbon Tetrachloride
Concen: 6.070 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX036213.D
Acq: 19 Jun 2023 18:02

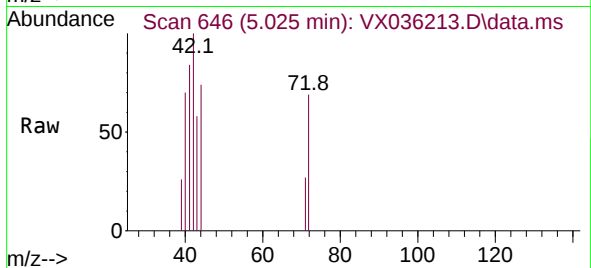
Tgt Ion: 117 Resp: 14088
Ion Ratio Lower Upper
117 100
119 5.1 78.2 117.2#
121 0.0 24.4 36.6#



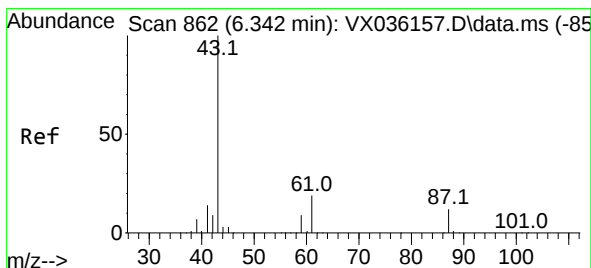
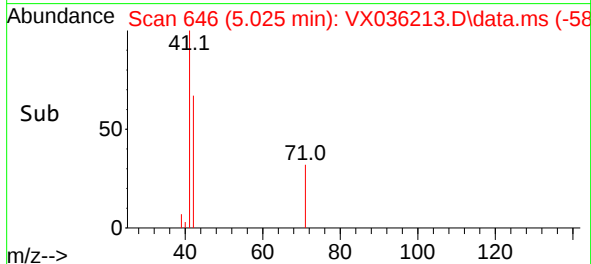
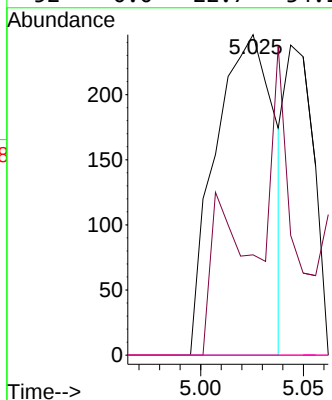


#41
Methacrylonitrile
Concen: 0.321 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.103 min
Lab File: VX036213.D
Acq: 19 Jun 2023 18:02

Instrument :
MSVOA_X
ClientSampleId :

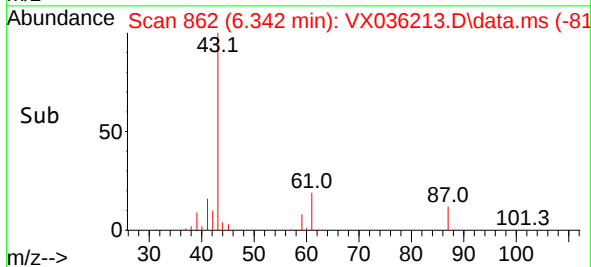
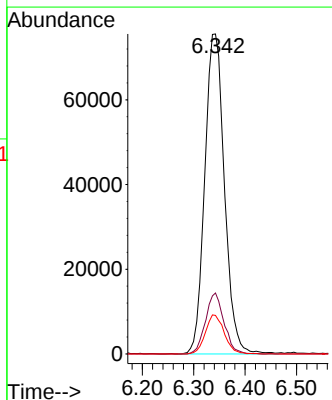
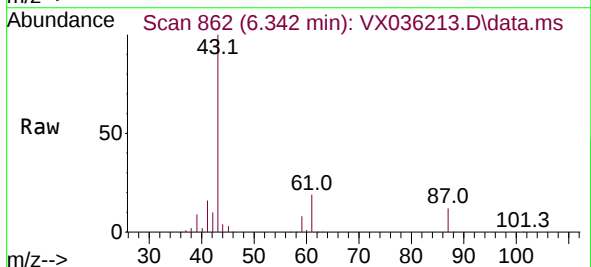


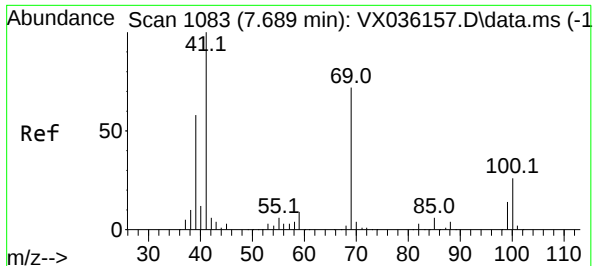
Tgt Ion:	41	Resp:	492
Ion	Ratio	Lower	Upper
41	100		
39	52.8	45.2	67.8
67	0.0	52.6	78.8#
52	0.0	22.7	34.1#



#43
Isopropyl Acetate
Concen: 47.235 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX036213.D
Acq: 19 Jun 2023 18:02

Tgt Ion:	43	Resp:	201071
Ion	Ratio	Lower	Upper
43	100		
61	17.9	15.2	22.8
87	11.7	9.8	14.6





#48

Methyl methacrylate

Concen: 85.430 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.110 min

Lab File: VX036213.D

Acq: 19 Jun 2023 18:02

Instrument :

MSVOA_X

ClientSampleId :

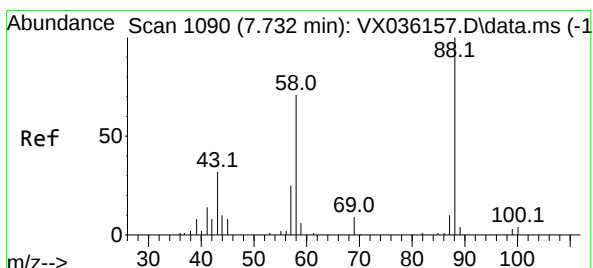
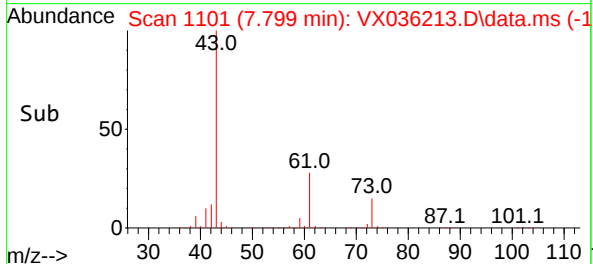
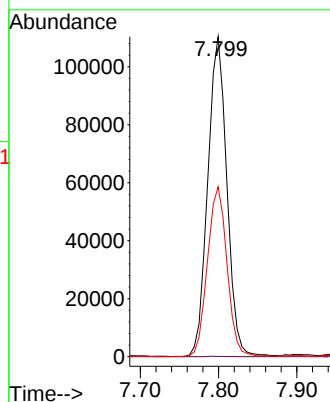
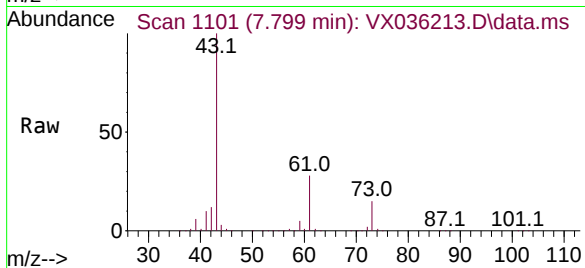
Tgt Ion: 41 Resp: 186576

Ion Ratio Lower Upper

41 100

69 0.1 59.2 88.8#

39 54.5 47.7 71.5



#49

1,4-Dioxane

Concen: 8.888 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.073 min

Lab File: VX036213.D

Acq: 19 Jun 2023 18:02

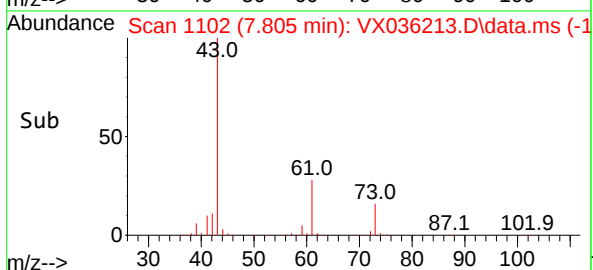
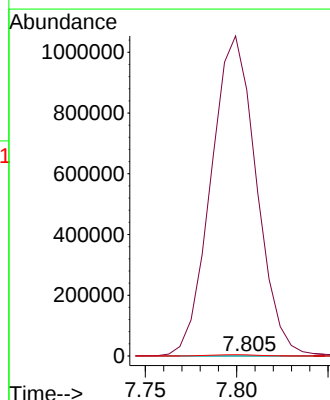
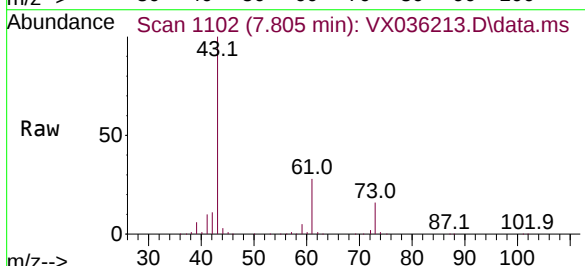
Tgt Ion: 88 Resp: 325

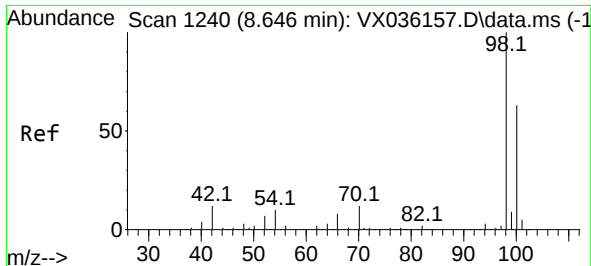
Ion Ratio Lower Upper

88 100

43 564196.9 0.0 0.0#

58 2280.3 60.1 90.1#

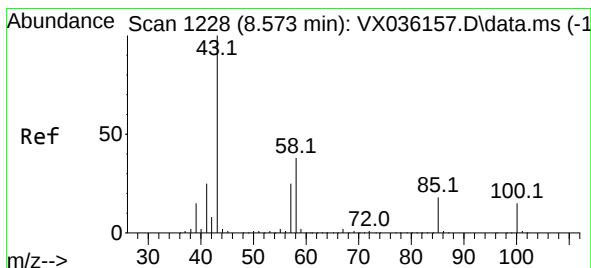
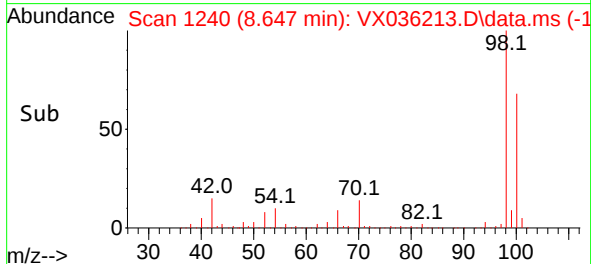
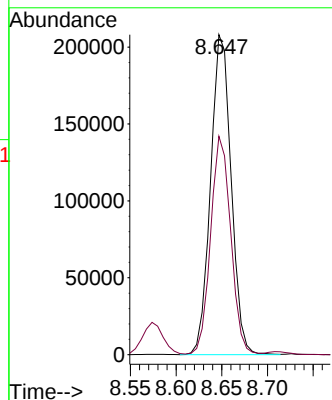
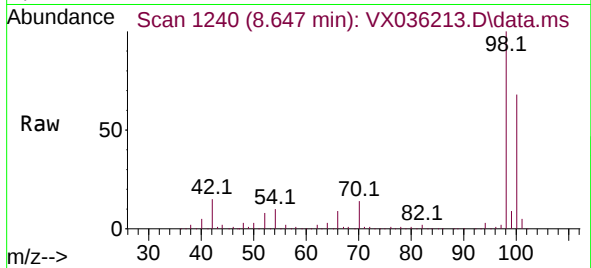




#50
Toluene-d8
Concen: 54.816 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX036213.D
Acq: 19 Jun 2023 18:02

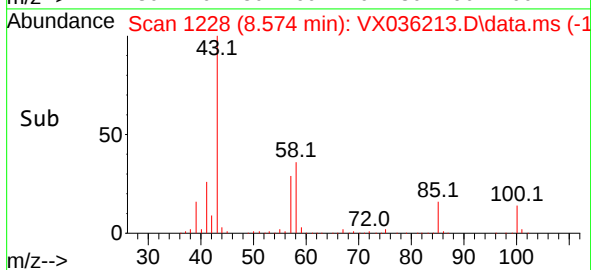
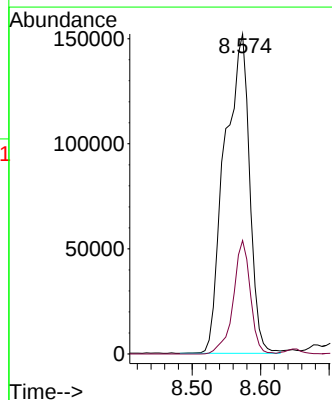
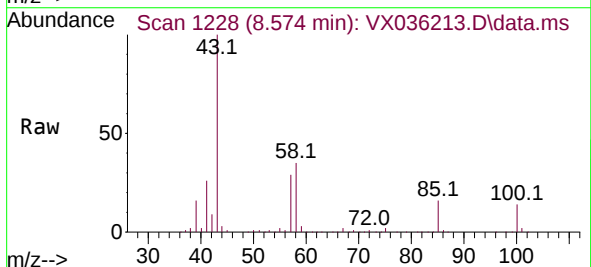
Instrument :
MSVOA_X
ClientSampleId :

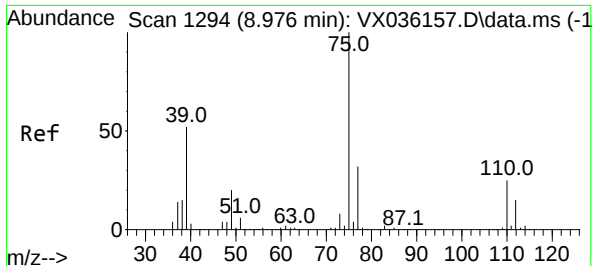
Tgt Ion: 98 Resp: 324977
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 142.148 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.001 min
Lab File: VX036213.D
Acq: 19 Jun 2023 18:02

Tgt Ion: 43 Resp: 382071
Ion Ratio Lower Upper
43 100
58 24.4 30.4 45.6#

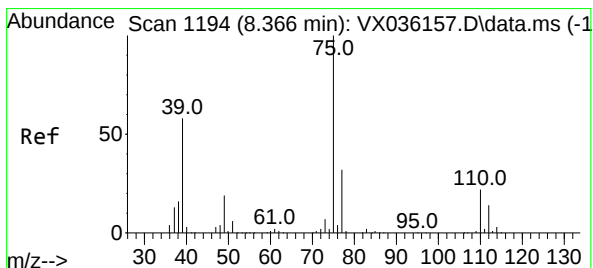
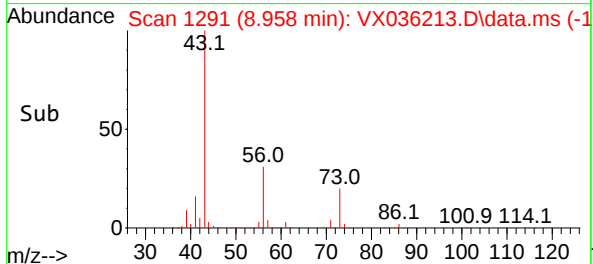
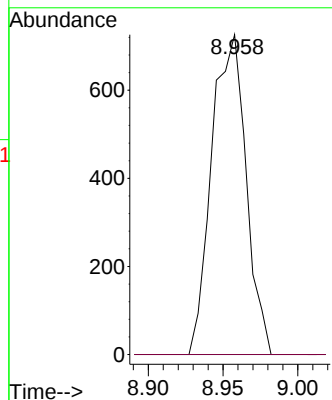
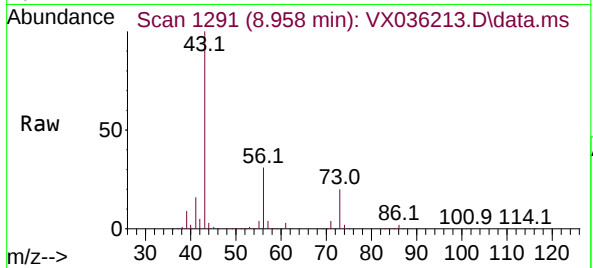




#53
 t-1,3-Dichloropropene
 Concen: 0.462 ug/l
 RT: 8.958 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: VX036213.D
 Acq: 19 Jun 2023 18:02

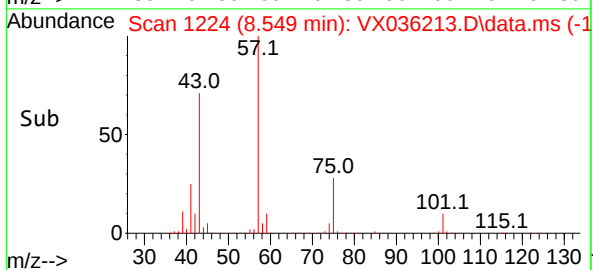
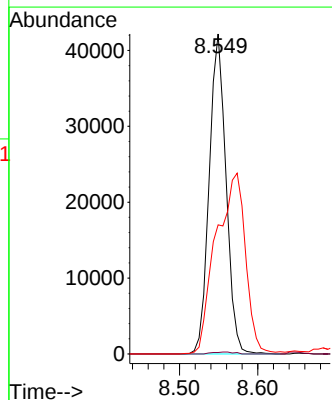
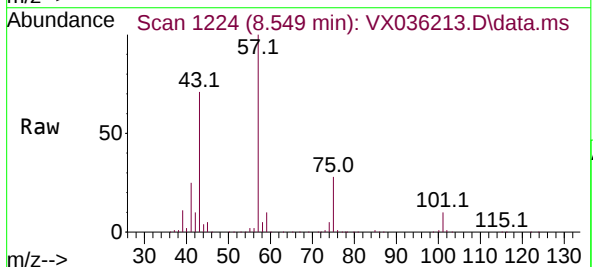
Instrument :
 MSVOA_X
 ClientSampleId :

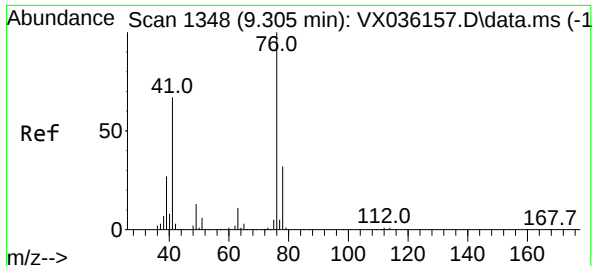
Tgt Ion: 75 Resp: 1162
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 23.313 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX036213.D
 Acq: 19 Jun 2023 18:02

Tgt Ion: 75 Resp: 62861
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 40.3 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.754 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX036213.D

Acq: 19 Jun 2023 18:02

Instrument :

MSVOA_X

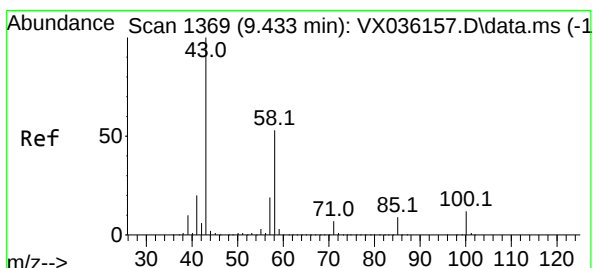
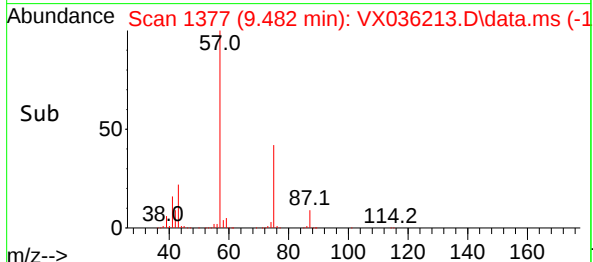
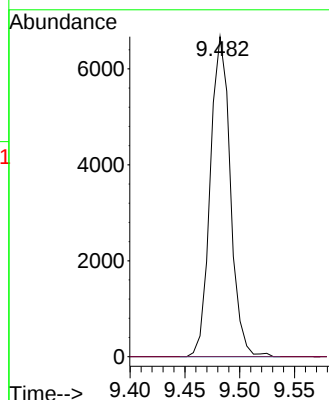
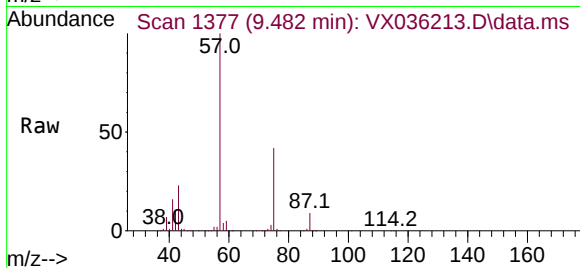
ClientSampleId :

Tgt Ion: 76 Resp: 8503

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 64.965 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX036213.D

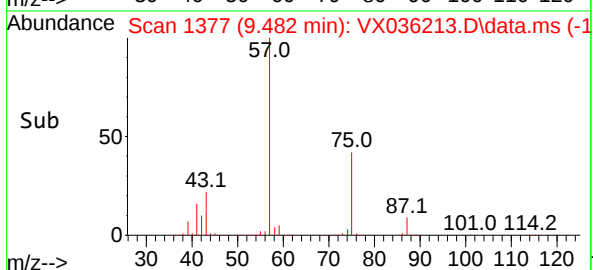
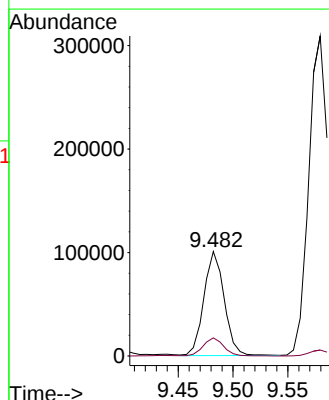
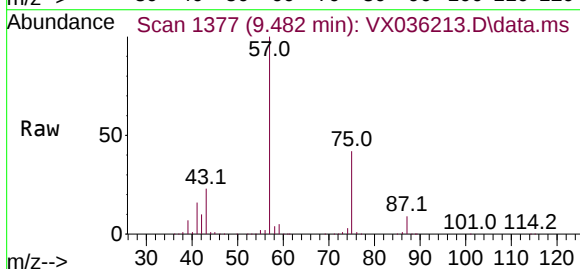
Acq: 19 Jun 2023 18:02

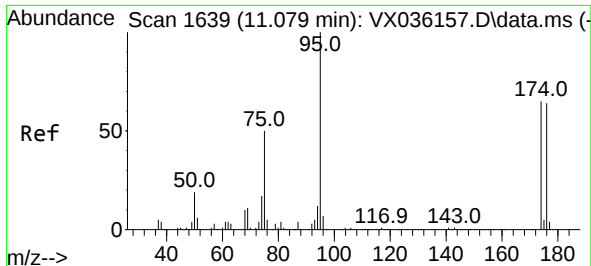
Tgt Ion: 43 Resp: 129817

Ion Ratio Lower Upper

43 100

58 17.7 26.2 78.5#





#62

4-Bromofluorobenzene

Concen: 52.907 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX036213.D

Acq: 19 Jun 2023 18:02

Instrument :

MSVOA_X

ClientSampleId :

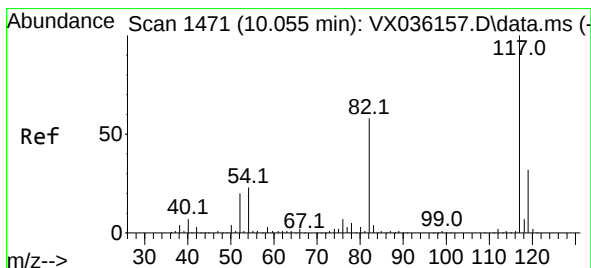
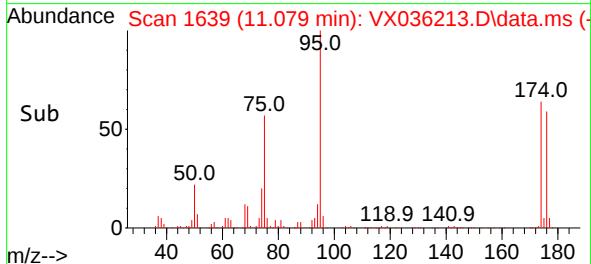
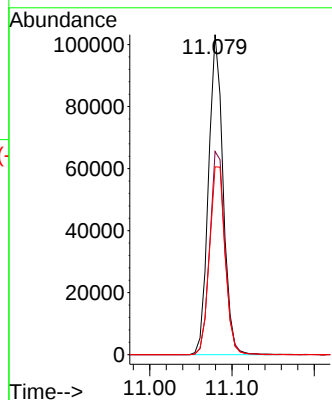
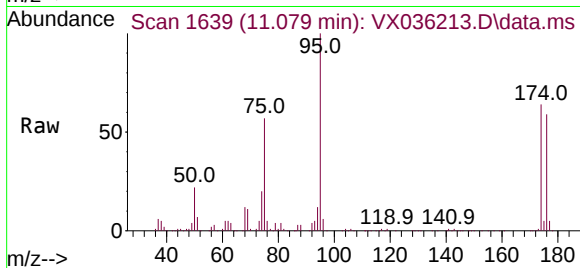
Tgt Ion: 95 Resp: 126612

Ion Ratio Lower Upper

95 100

174 66.1 0.0 135.6

176 63.2 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: VX036213.D

Acq: 19 Jun 2023 18:02

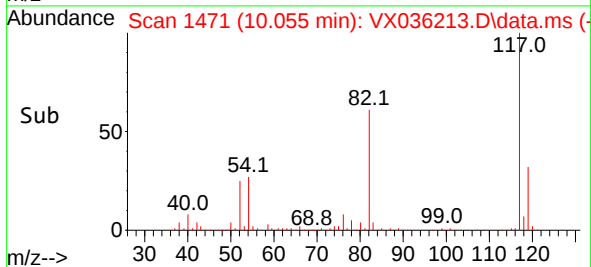
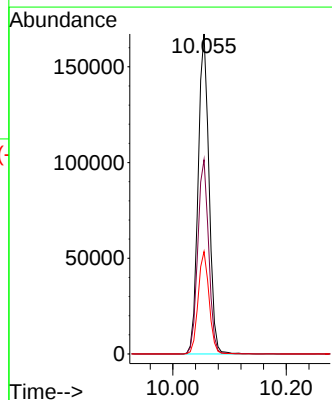
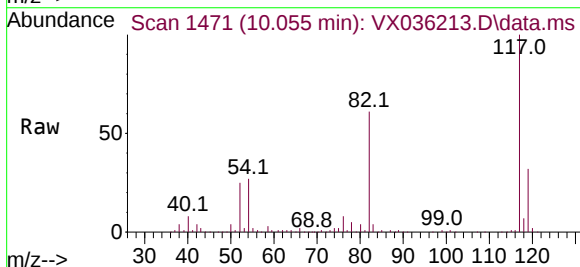
Tgt Ion: 117 Resp: 221966

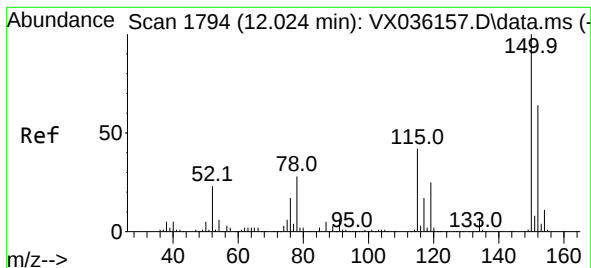
Ion Ratio Lower Upper

117 100

82 60.7 46.2 69.4

119 32.0 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: VX036213.D

Acq: 19 Jun 2023 18:02

Instrument :

MSVOA_X

ClientSampleId :

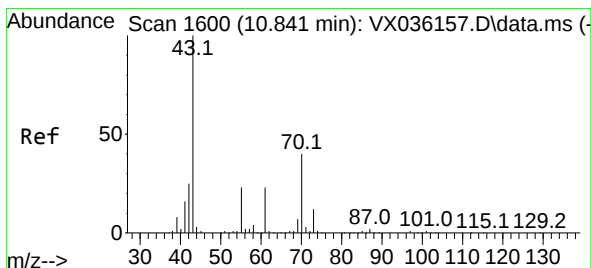
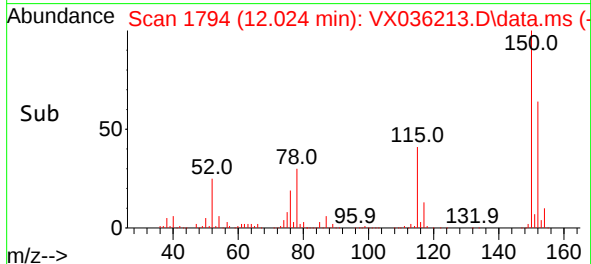
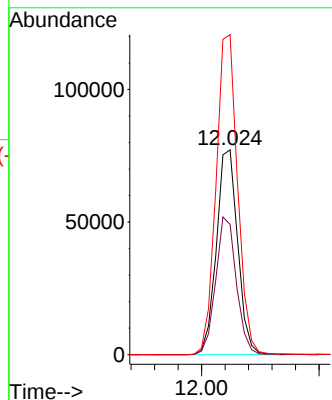
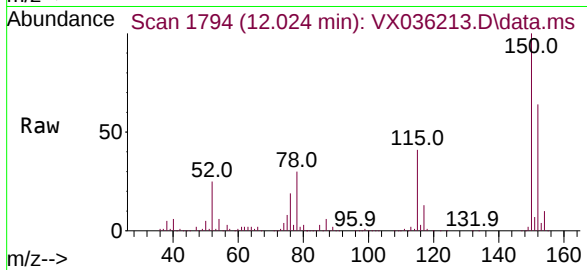
Tgt Ion:152 Resp: 97306

Ion Ratio Lower Upper

152 100

115 65.6 43.3 129.9

150 158.0 0.0 345.0



#74

N-ethyl acetate

Concen: 15.169 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX036213.D

Acq: 19 Jun 2023 18:02

Tgt Ion: 43 Resp: 49494

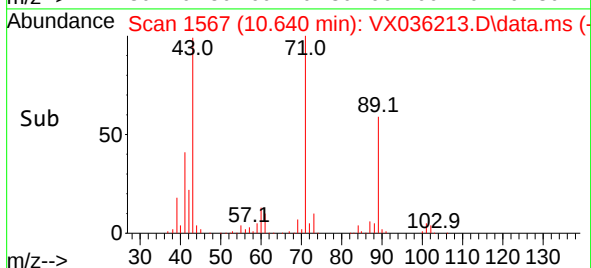
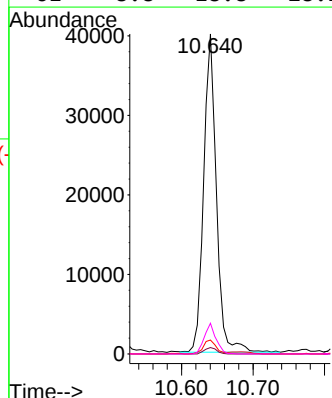
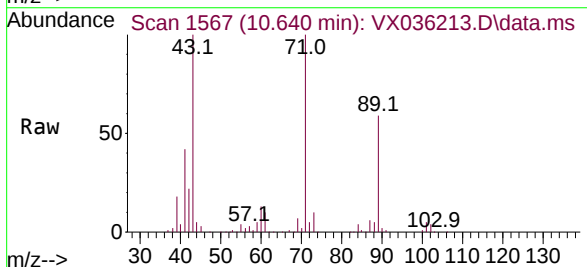
Ion Ratio Lower Upper

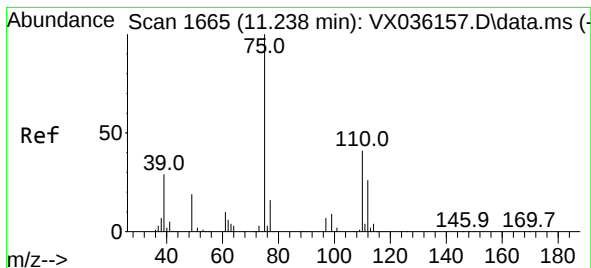
43 100

70 1.9 32.9 49.3#

55 4.5 19.3 28.9#

61 8.8 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 31.143 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036213.D

Acq: 19 Jun 2023 18:02

Instrument :

MSVOA_X

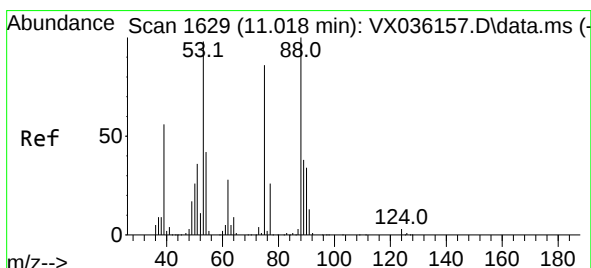
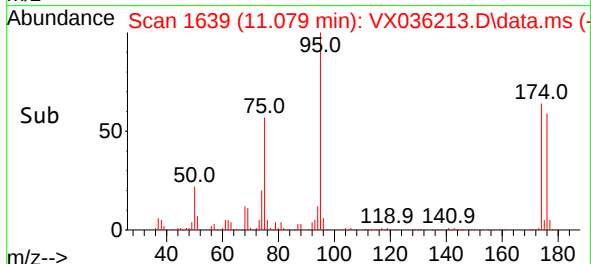
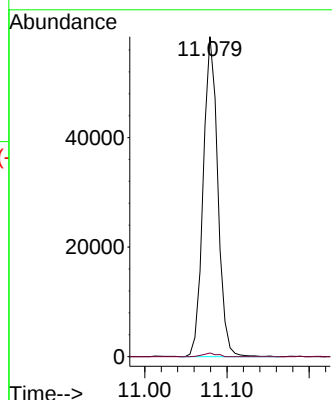
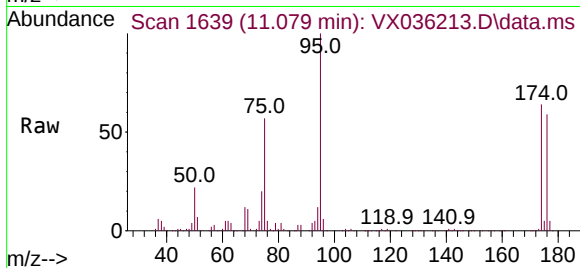
ClientSampleId :

Tgt Ion: 75 Resp: 71919

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 109.006 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036213.D

Acq: 19 Jun 2023 18:02

Tgt Ion: 75 Resp: 71919

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

