

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061923\
 Data File : VX036218.D
 Acq On : 19 Jun 2023 19:59
 Operator : JC/MD
 Sample : PB153531ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 20 03:48:17 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

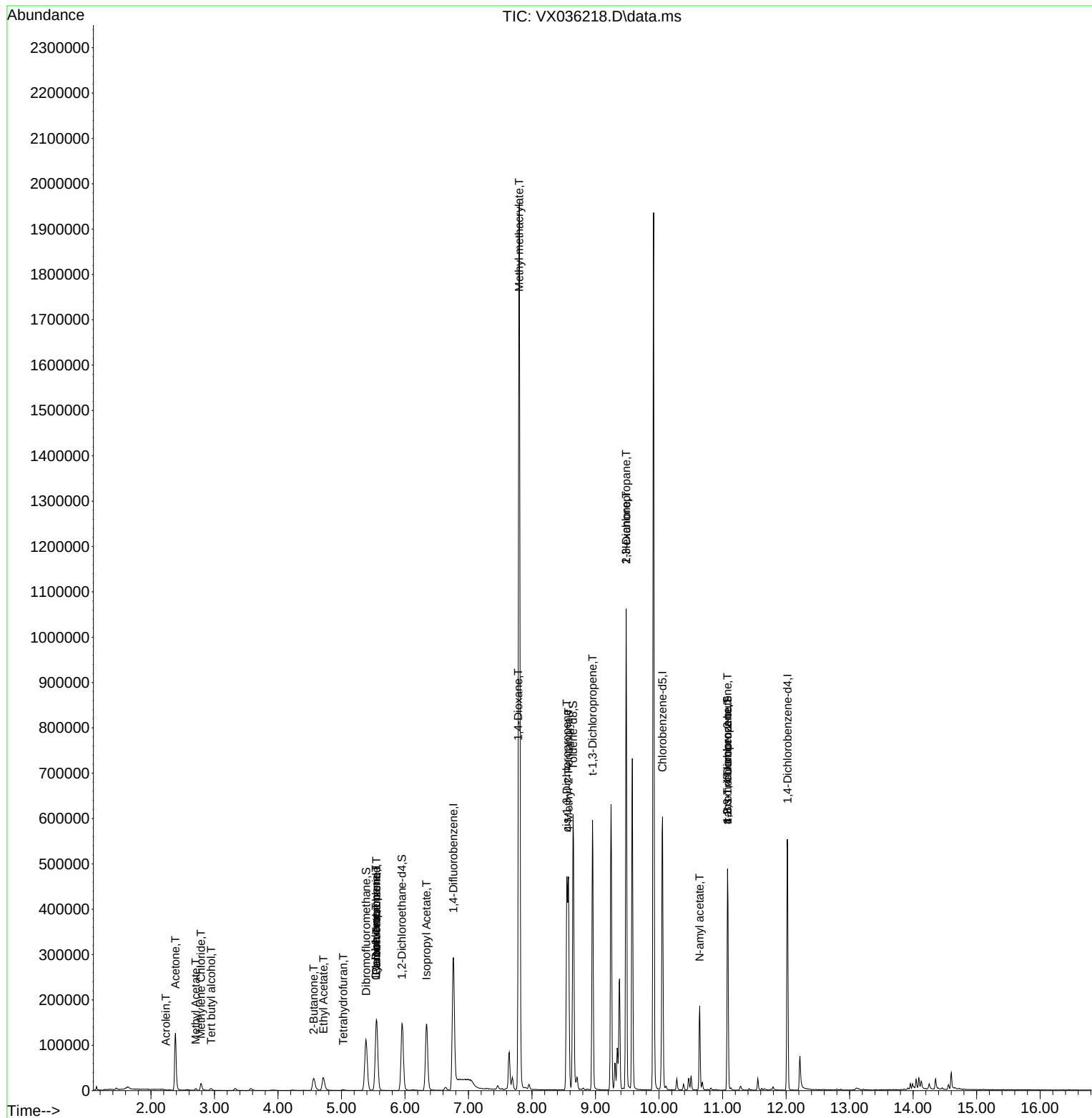
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	132622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	263347	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	242451	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	152425	62.892	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 125.780%#	
35) Dibromofluoromethane	5.385	113	96378	53.969	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.940%	
50) Toluene-d8	8.647	98	335426	51.349	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.700%	
62) 4-Bromofluorobenzene	11.079	95	129739	49.203	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.400%	
Target Compounds						Qvalue
11) Tert butyl alcohol	2.947	59	3230	8.718	ug/l #	82
13) Acrolein	2.233	56	157	0.382	ug/l	87
16) Acetone	2.386	43	146473	145.466	ug/l	98
18) Methyl Acetate	2.703	43	4844	1.268	ug/l	97
20) Methylene Chloride	2.788	84	7300	4.001	ug/l	97
25) 2-Butanone	4.562	43	46433	32.939	ug/l	97
29) Tetrahydrofuran	5.026	42	1436	1.604	ug/l #	86
31) Cyclohexane	5.544	56	3799	1.461	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	13775	5.237	ug/l #	50
37) Ethyl Acetate	4.715	43	52326	17.073	ug/l	99
38) Carbon Tetrachloride	5.550	117	15553	6.082	ug/l #	14
43) Isopropyl Acetate	6.336	43	206651	44.059	ug/l	97
48) Methyl methacrylate	7.799	41	187010	77.713	ug/l #	49
49) 1,4-Dioxane	7.781	88	161	3.996	ug/l #	1
51) 4-Methyl-2-Pentanone	8.574	43	415313	140.232	ug/l #	79
53) t-1,3-Dichloropropene	8.952	75	1292	0.466	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	62762	21.125	ug/l #	69
57) 1,3-Dichloropropane	9.482	76	8192	2.408	ug/l #	42
59) 2-Hexanone	9.482	43	126241	57.336	ug/l #	51
74) N-amyl acetate	10.640	43	49888	14.267	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	73700	29.778	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	73700	104.230	ug/l #	5

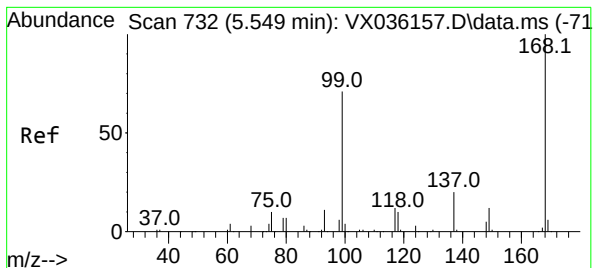
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX036218.D

Acq: 19 Jun 2023 19:59

Instrument :

MSVOA_X

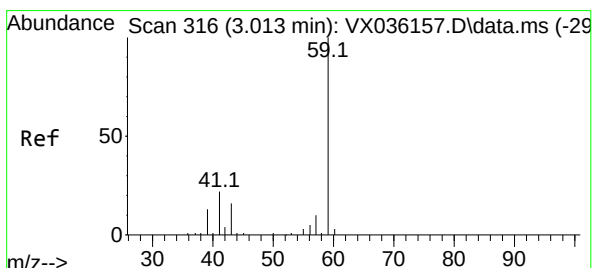
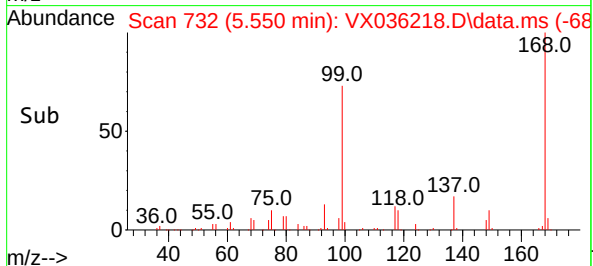
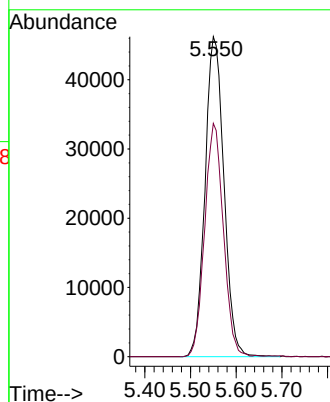
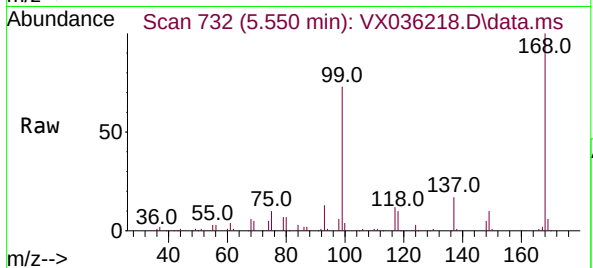
ClientSampleId :

Tgt Ion:168 Resp: 132622

Ion Ratio Lower Upper

168 100

99 72.9 56.6 85.0



#11

Tert butyl alcohol

Concen: 8.718 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.066 min

Lab File: VX036218.D

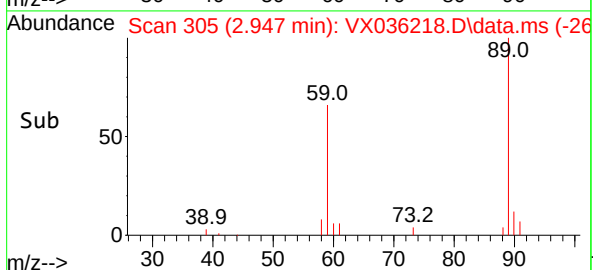
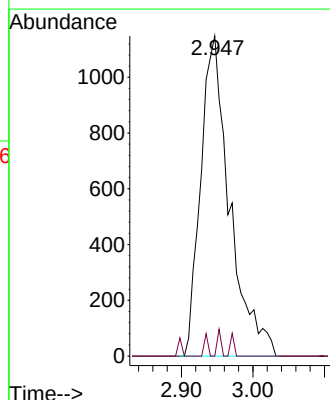
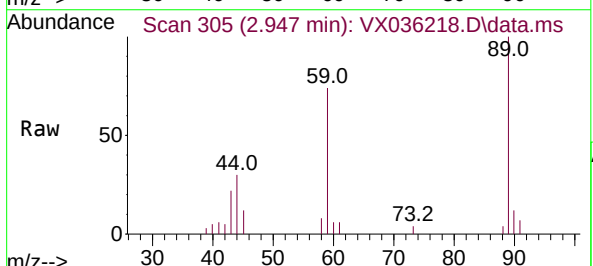
Acq: 19 Jun 2023 19:59

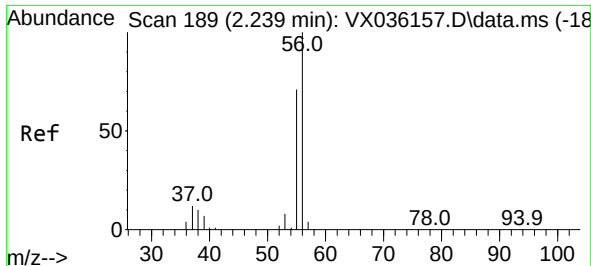
Tgt Ion: 59 Resp: 3230

Ion Ratio Lower Upper

59 100

57 1.1 6.0 9.0#





#13

Acrolein

Concen: 0.382 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX036218.D

Acq: 19 Jun 2023 19:59

Instrument :

MSVOA_X

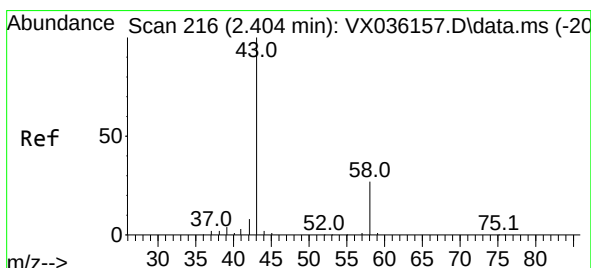
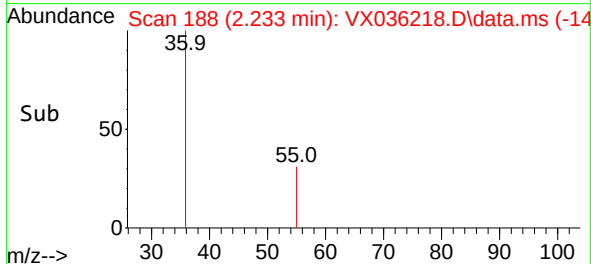
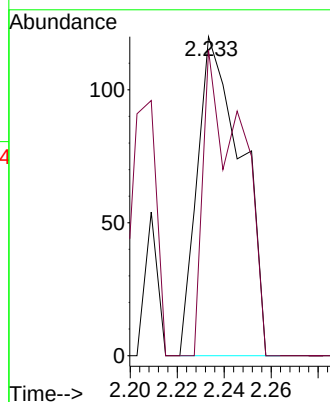
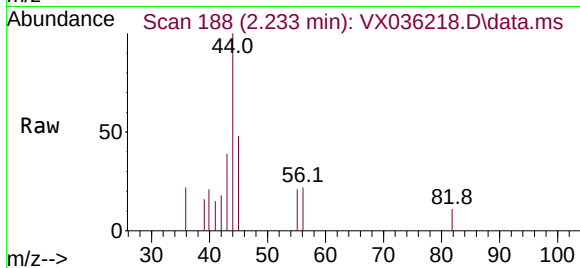
ClientSampleId :

Tgt Ion: 56 Resp: 157

Ion Ratio Lower Upper

56 100

55 82.2 57.1 85.7



#16

Acetone

Concen: 145.466 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.018 min

Lab File: VX036218.D

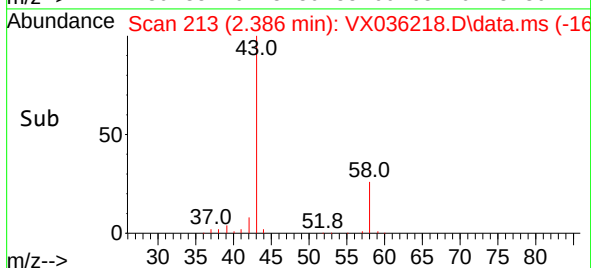
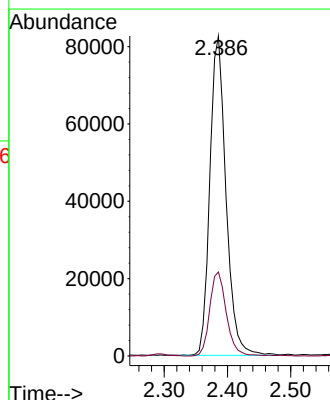
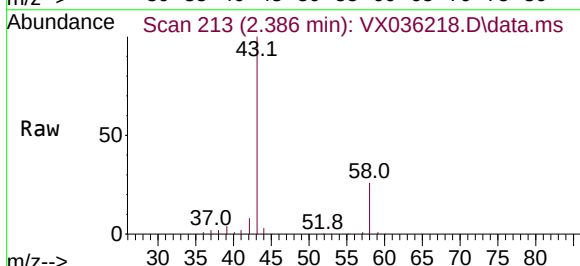
Acq: 19 Jun 2023 19:59

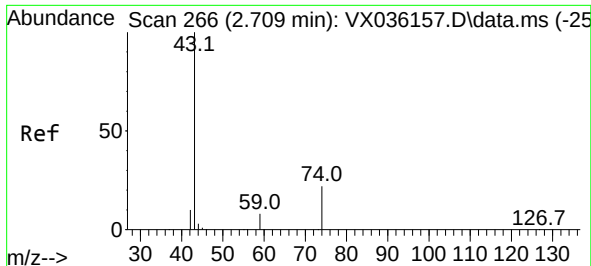
Tgt Ion: 43 Resp: 146473

Ion Ratio Lower Upper

43 100

58 26.2 21.9 32.9

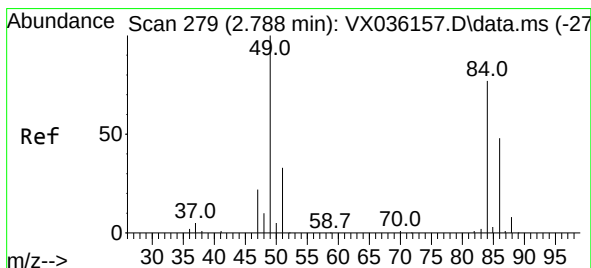
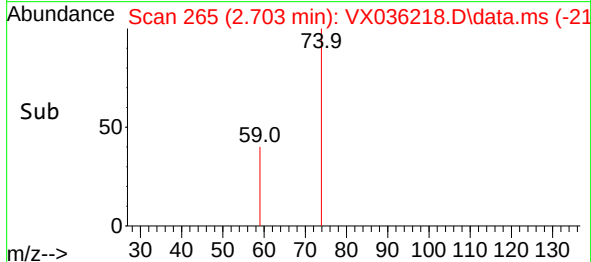
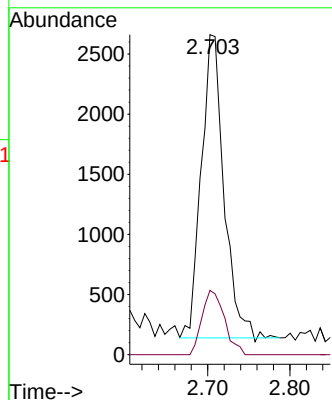
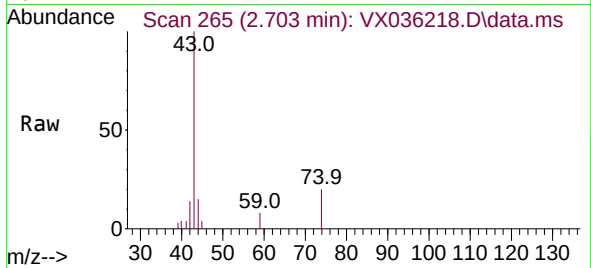




#18
Methyl Acetate
Concen: 1.268 ug/l
RT: 2.703 min Scan# 20
Delta R.T. -0.006 min
Lab File: VX036218.D
Acq: 19 Jun 2023 19:59

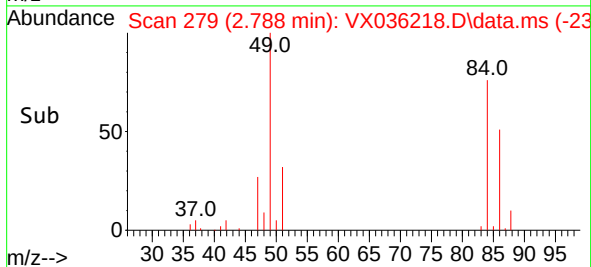
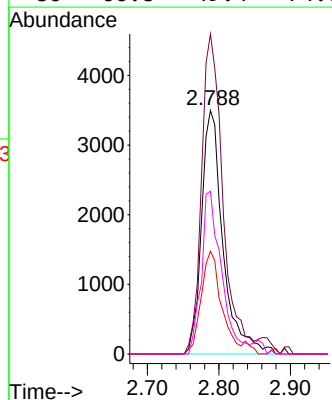
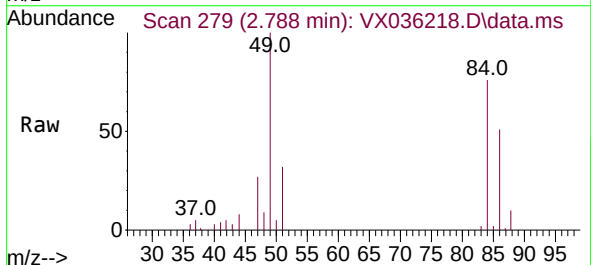
Instrument :
MSVOA_X
ClientSampleId :

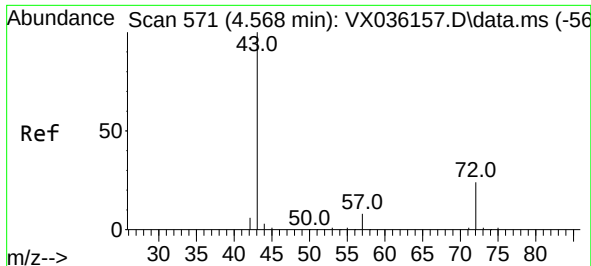
Tgt Ion: 43 Resp: 4844
Ion Ratio Lower Upper
43 100
74 20.9 17.8 26.8



#20
Methylene Chloride
Concen: 4.001 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX036218.D
Acq: 19 Jun 2023 19:59

Tgt Ion: 84 Resp: 7300
Ion Ratio Lower Upper
84 100
49 131.4 103.6 155.4
51 42.2 33.8 50.6
86 66.8 49.4 74.0

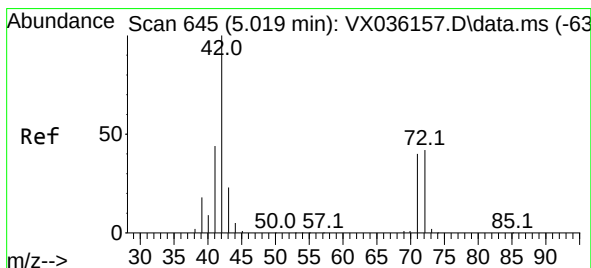
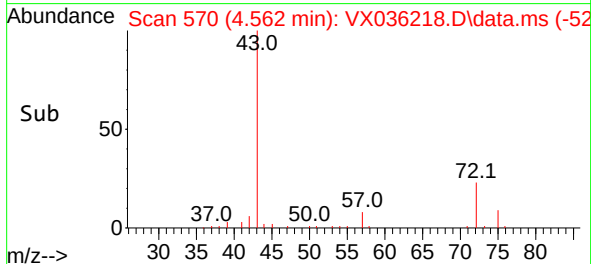
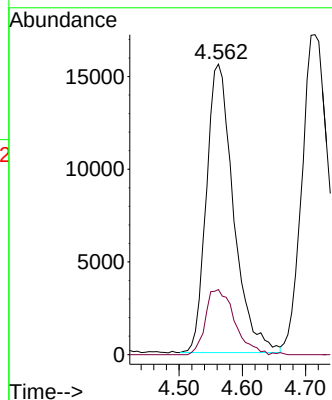
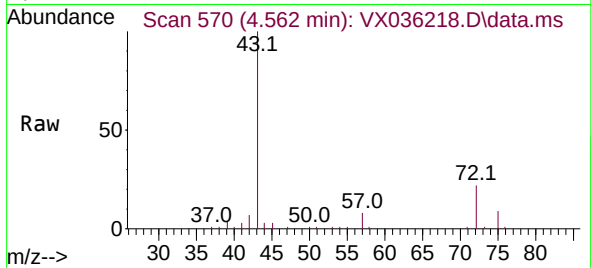




#25
2-Butanone
Concen: 32.939 ug/l
RT: 4.562 min Scan# 51
Delta R.T. -0.006 min
Lab File: VX036218.D
Acq: 19 Jun 2023 19:59

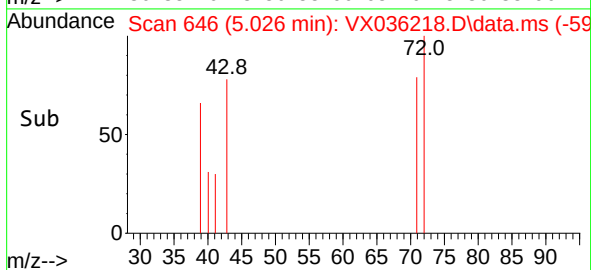
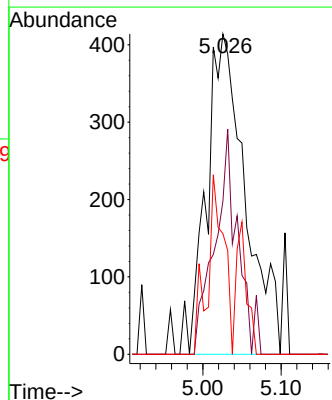
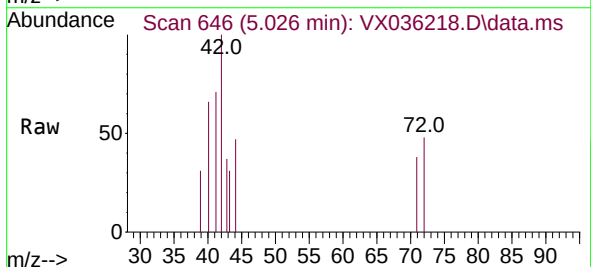
Instrument :
MSVOA_X
ClientSampleId :

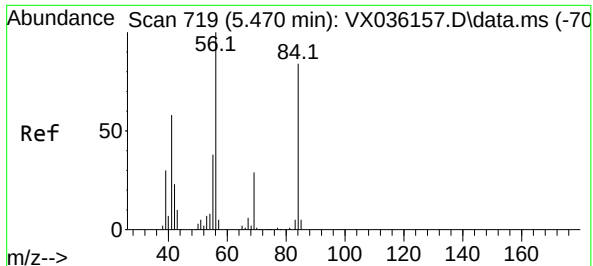
Tgt Ion: 43 Resp: 46433
Ion Ratio Lower Upper
43 100
72 22.6 19.4 29.2



#29
Tetrahydrofuran
Concen: 1.604 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.007 min
Lab File: VX036218.D
Acq: 19 Jun 2023 19:59

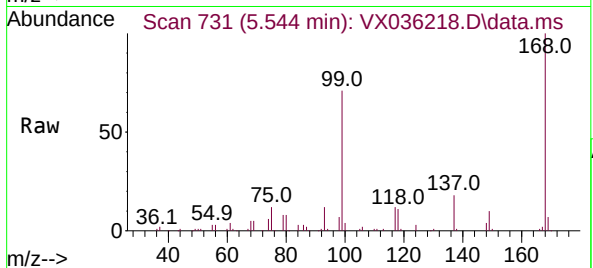
Tgt Ion: 42 Resp: 1436
Ion Ratio Lower Upper
42 100
72 41.5 34.2 51.4
71 23.5 32.2 48.2#



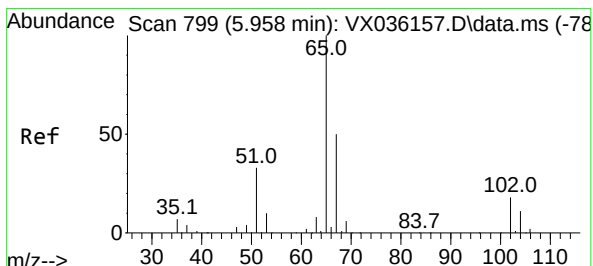
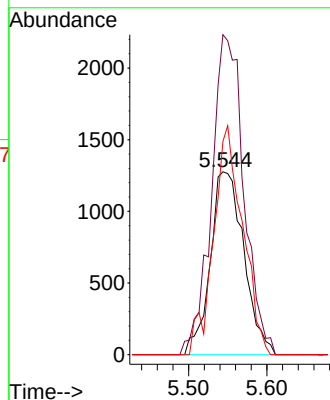
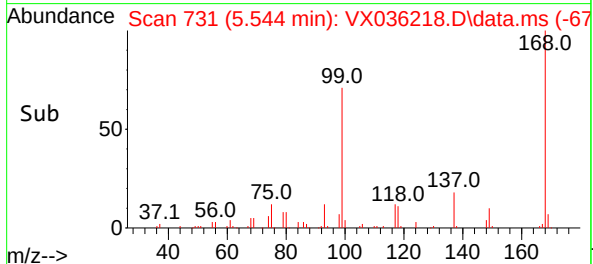


#31
Cyclohexane
Concen: 1.461 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.074 min
Lab File: VX036218.D
Acq: 19 Jun 2023 19:59

Instrument :
MSVOA_X
ClientSampleId :

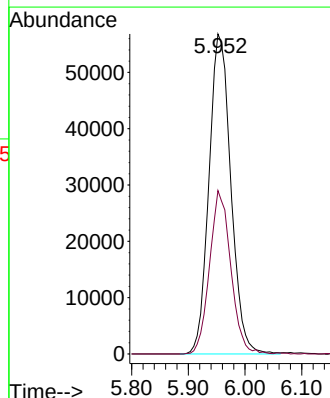
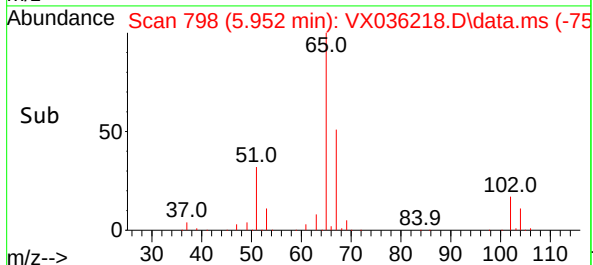
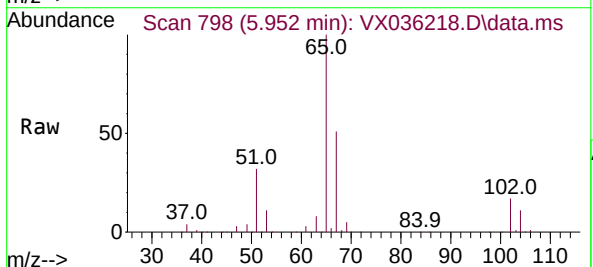


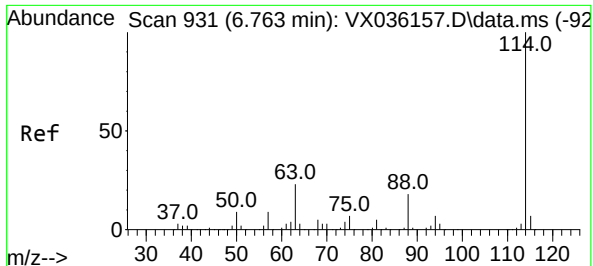
Tgt Ion: 56 Resp: 3799
Ion Ratio Lower Upper
56 100
69 175.0 23.4 35.2#
84 116.6 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 62.892 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX036218.D
Acq: 19 Jun 2023 19:59

Tgt Ion: 65 Resp: 152425
Ion Ratio Lower Upper
65 100
67 49.3 0.0 100.2

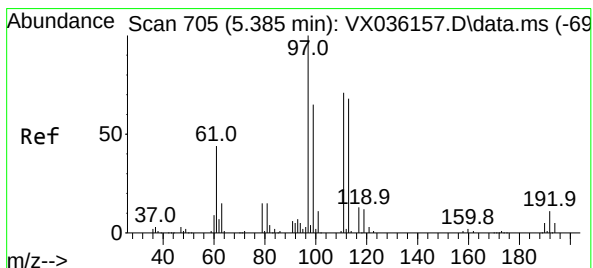
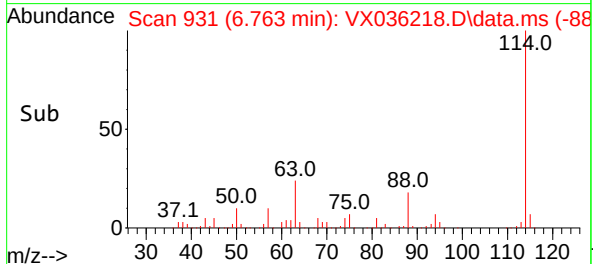
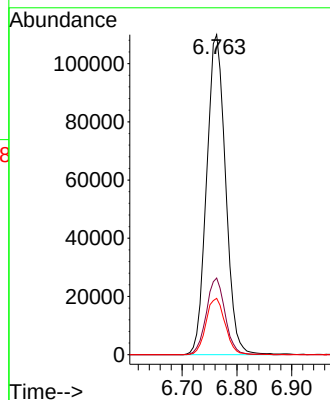
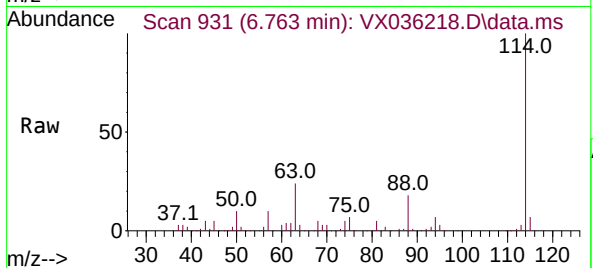




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX036218.D
Acq: 19 Jun 2023 19:59

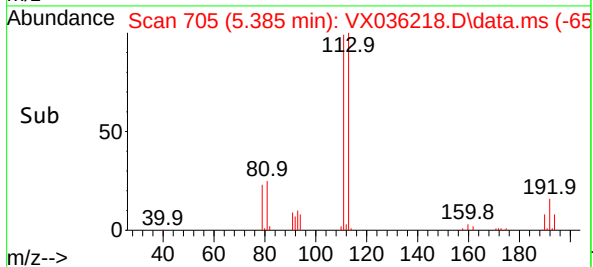
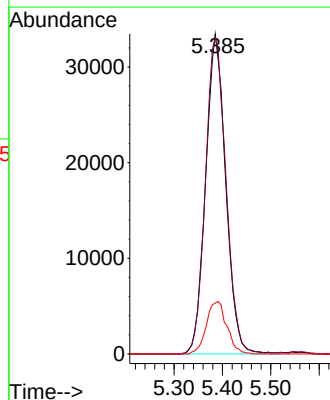
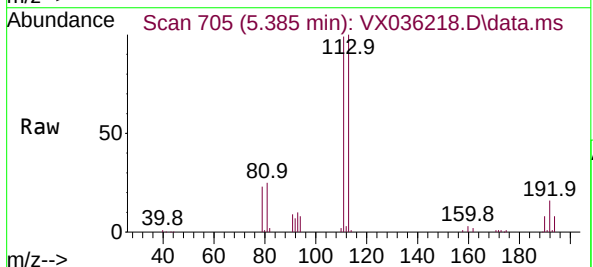
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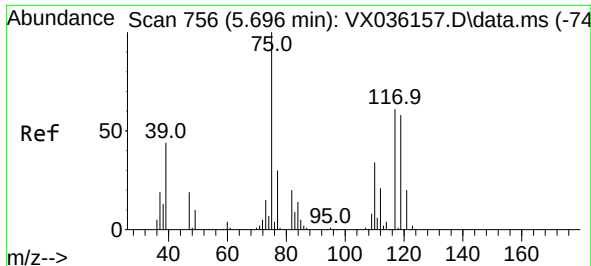
Tgt Ion:114 Resp: 263347
Ion Ratio Lower Upper
114 100
63 24.0 0.0 45.0
88 17.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 53.969 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036218.D
Acq: 19 Jun 2023 19:59

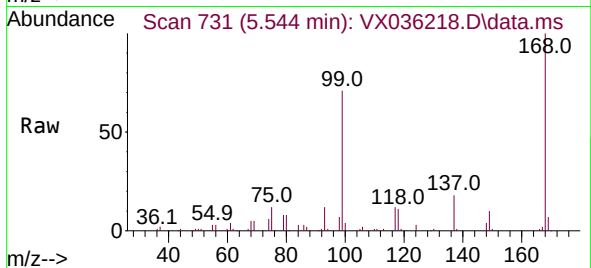
Tgt Ion:113 Resp: 96378
Ion Ratio Lower Upper
113 100
111 101.7 82.9 124.3
192 16.7 13.3 19.9



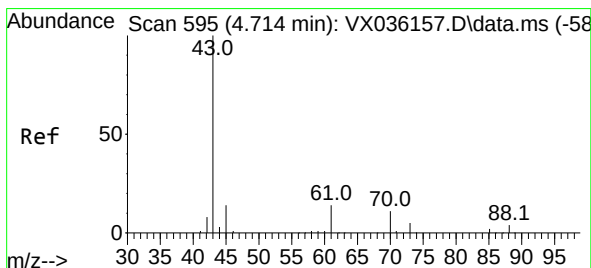
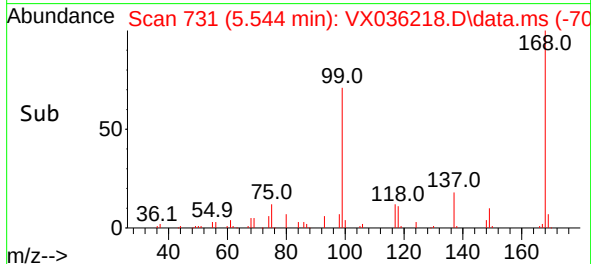
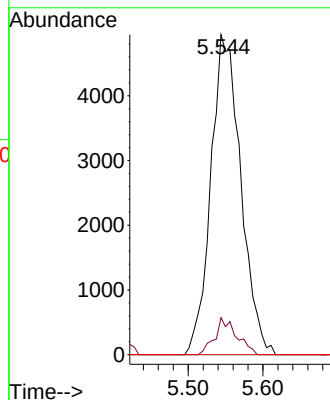


#36
1,1-Dichloropropene
Concen: 5.237 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.152 min
Lab File: VX036218.D
Acq: 19 Jun 2023 19:59

Instrument :
MSVOA_X
ClientSampleId :

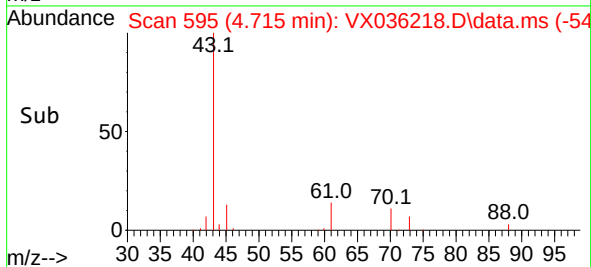
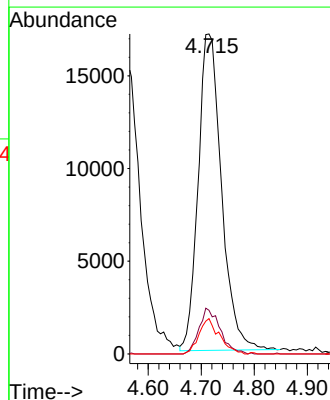
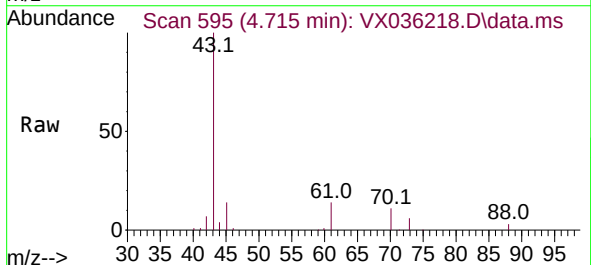


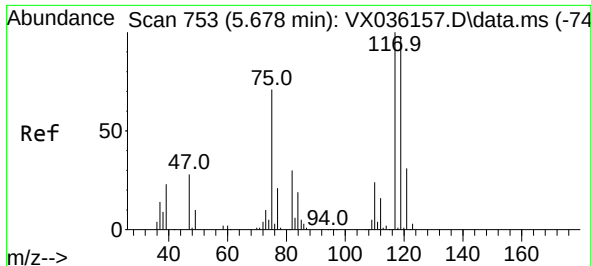
Tgt Ion: 75 Resp: 13775
Ion Ratio Lower Upper
75 100
110 8.4 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 17.073 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.001 min
Lab File: VX036218.D
Acq: 19 Jun 2023 19:59

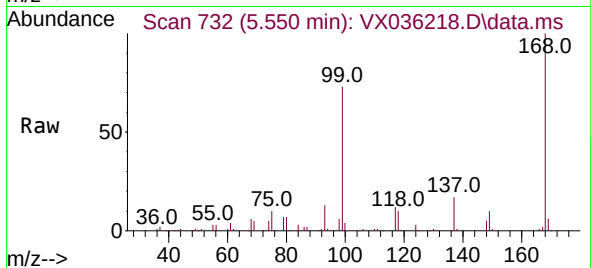
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Ion Ratio Lower Upper
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61 13.1 10.6 16.0
70 9.8 8.3 12.5



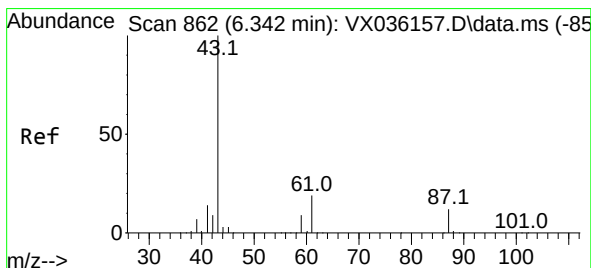
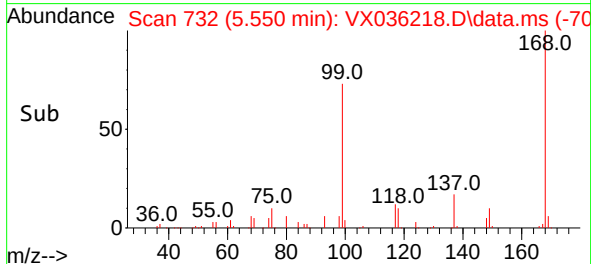
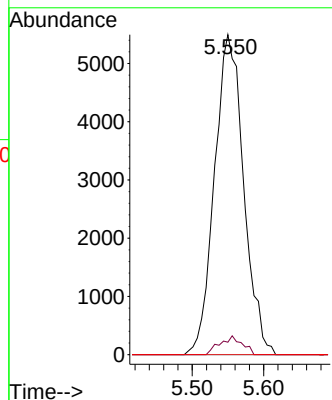


#38
Carbon Tetrachloride
Concen: 6.082 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX036218.D
Acq: 19 Jun 2023 19:59

Instrument :
MSVOA_X
ClientSampleId :

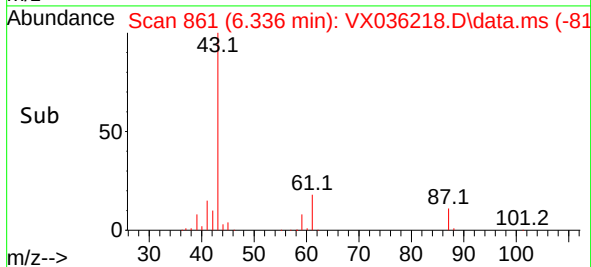
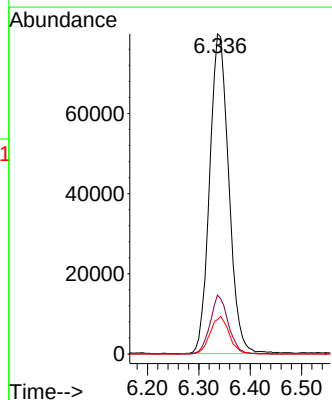
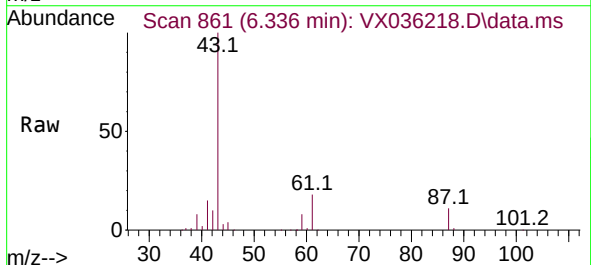


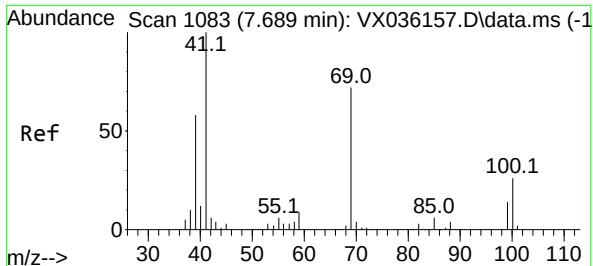
Tgt Ion:117 Resp: 15553
Ion Ratio Lower Upper
117 100
119 3.9 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 44.059 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX036218.D
Acq: 19 Jun 2023 19:59

Tgt Ion: 43 Resp: 206651
Ion Ratio Lower Upper
43 100
61 17.4 15.2 22.8
87 11.6 9.8 14.6

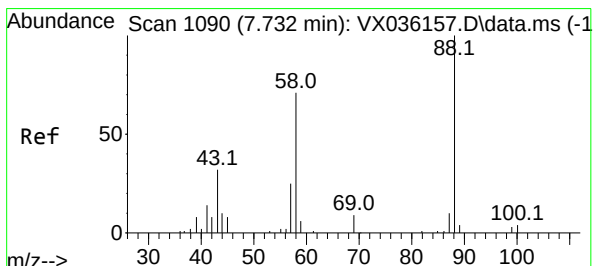
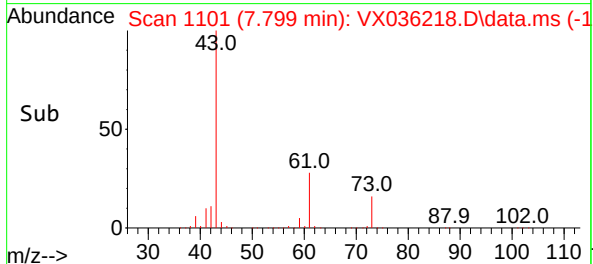
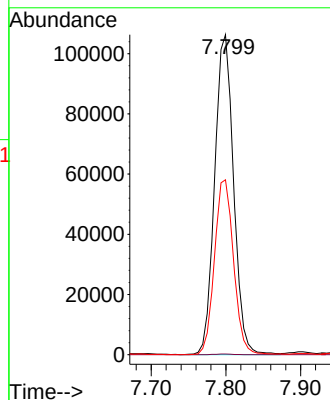
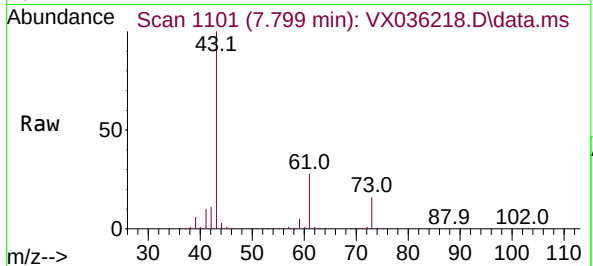




#48
Methyl methacrylate
Concen: 77.713 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036218.D
Acq: 19 Jun 2023 19:59

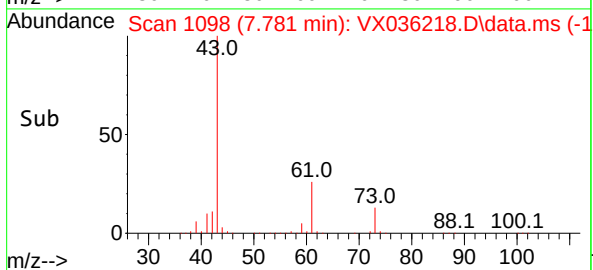
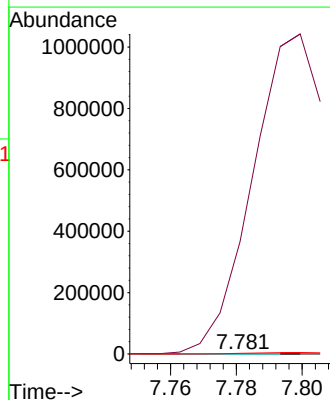
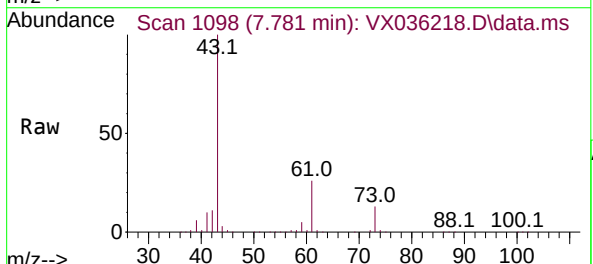
Instrument :
MSVOA_X
ClientSampleId :

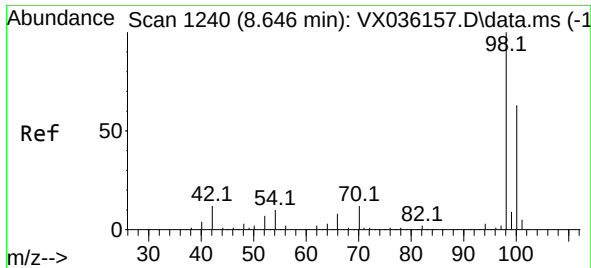
Tgt Ion: 41 Resp: 187010
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 55.1 47.7 71.5



#49
1,4-Dioxane
Concen: 3.996 ug/l
RT: 7.781 min Scan# 1098
Delta R.T. 0.049 min
Lab File: VX036218.D
Acq: 19 Jun 2023 19:59

Tgt Ion: 88 Resp: 161
Ion Ratio Lower Upper
88 100
43 1131972.0 0.0 0.0#
58 5104.3 60.1 90.1#

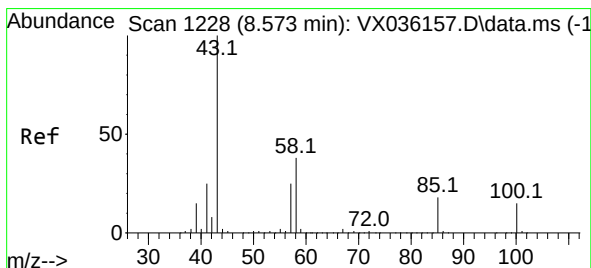
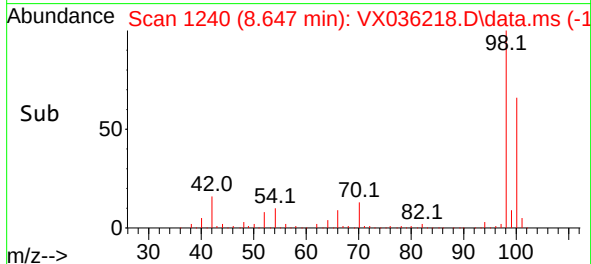
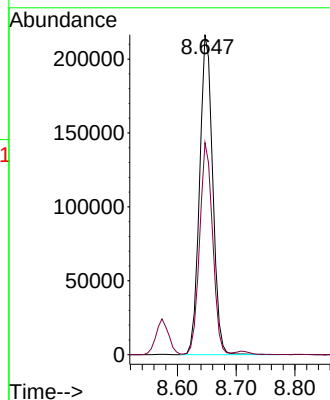
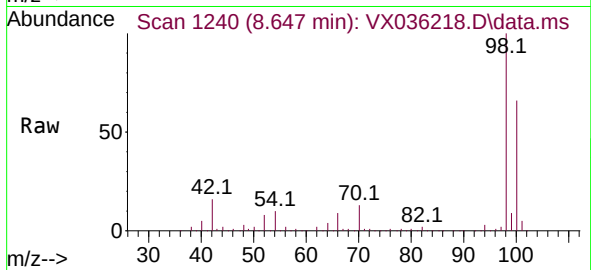




#50
Toluene-d8
Concen: 51.349 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX036218.D
Acq: 19 Jun 2023 19:59

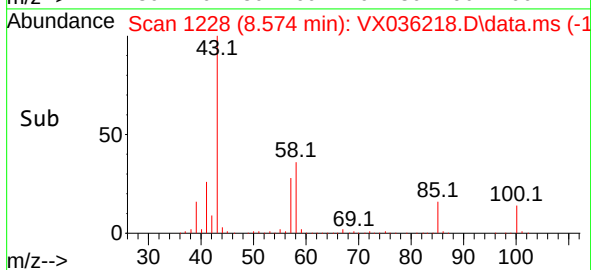
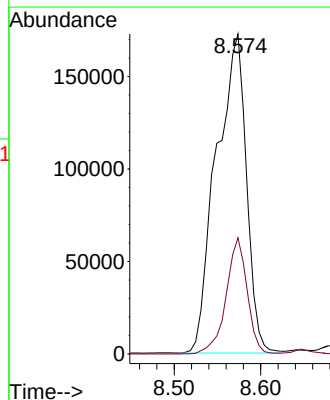
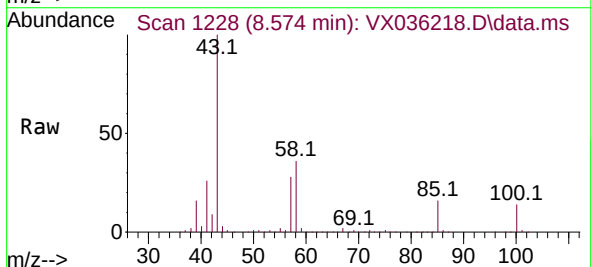
Instrument :
MSVOA_X
ClientSampleId :

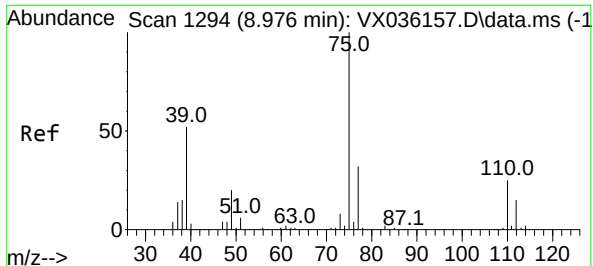
Tgt Ion: 98 Resp: 335426
Ion Ratio Lower Upper
98 100
100 65.4 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 140.232 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.001 min
Lab File: VX036218.D
Acq: 19 Jun 2023 19:59

Tgt Ion: 43 Resp: 415313
Ion Ratio Lower Upper
43 100
58 25.5 30.4 45.6#

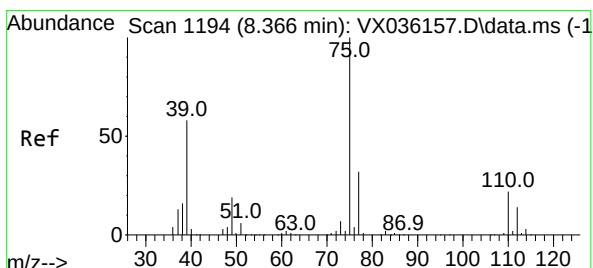
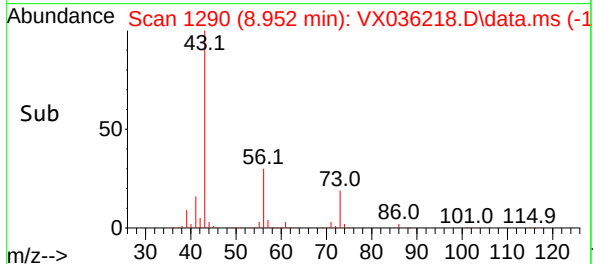
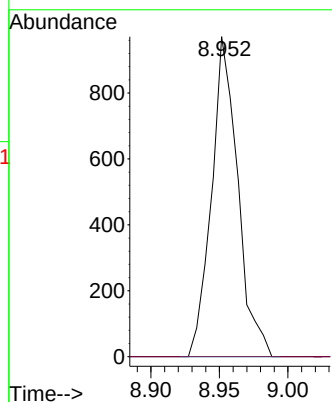
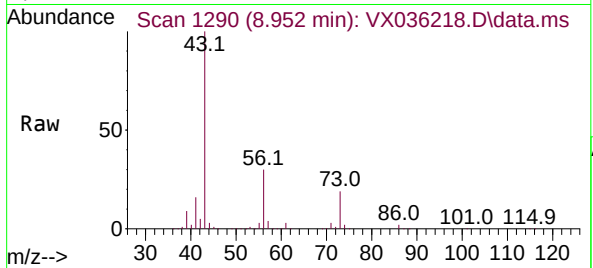




#53
t-1,3-Dichloropropene
Concen: 0.466 ug/l
RT: 8.952 min Scan# 1122
Delta R.T. -0.024 min
Lab File: VX036218.D
Acq: 19 Jun 2023 19:59

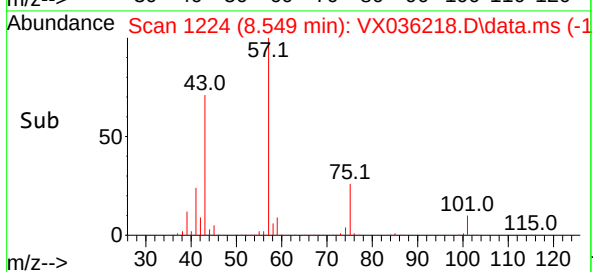
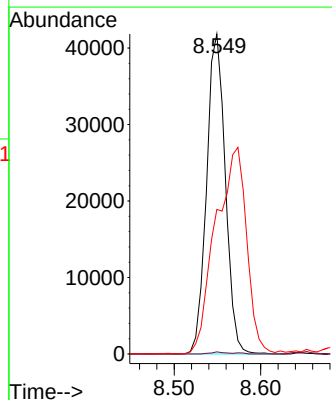
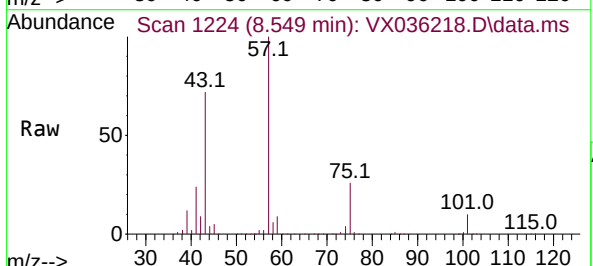
Instrument :
MSVOA_X
ClientSampleId :

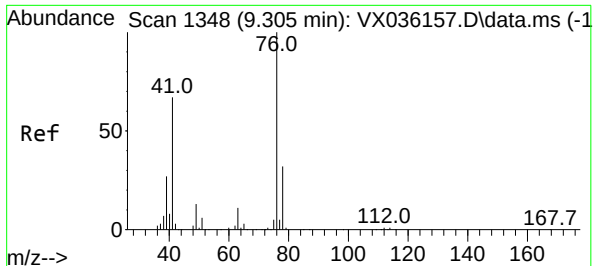
Tgt Ion: 75 Resp: 1292
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#



#54
cis-1,3-Dichloropropene
Concen: 21.125 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX036218.D
Acq: 19 Jun 2023 19:59

Tgt Ion: 75 Resp: 62762
Ion Ratio Lower Upper
75 100
77 0.7 25.3 37.9#
39 45.2 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.408 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX036218.D

Acq: 19 Jun 2023 19:59

Instrument :

MSVOA_X

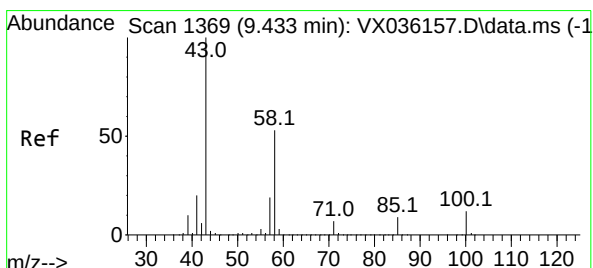
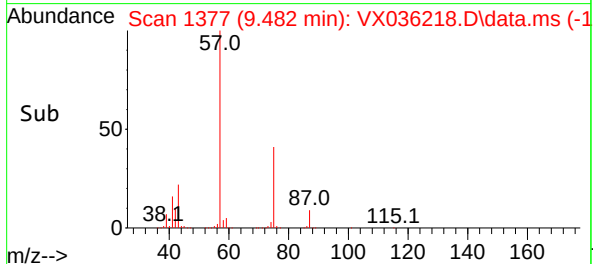
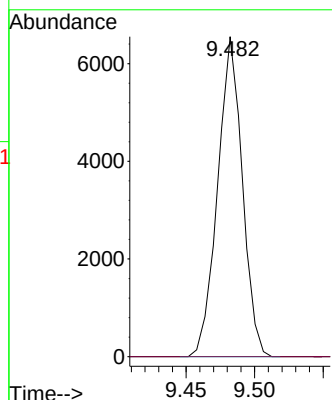
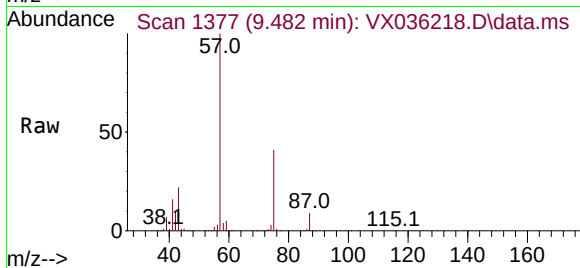
ClientSampleId :

Tgt Ion: 76 Resp: 8192

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 57.336 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX036218.D

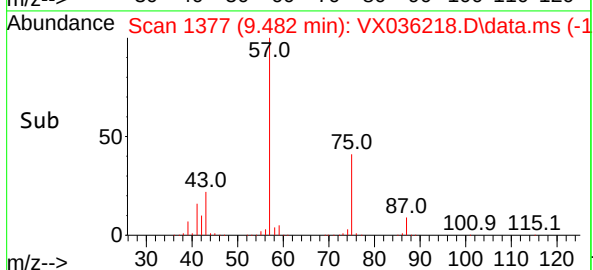
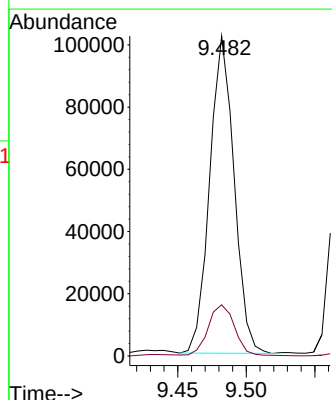
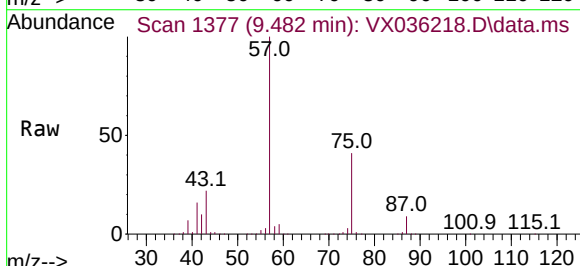
Acq: 19 Jun 2023 19:59

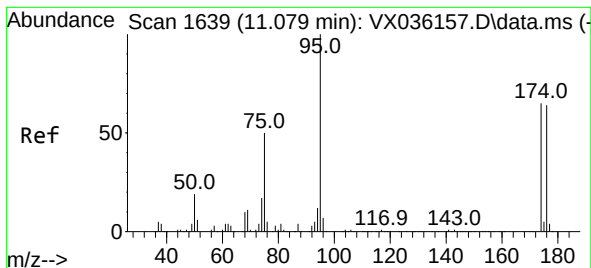
Tgt Ion: 43 Resp: 126241

Ion Ratio Lower Upper

43 100

58 17.7 26.2 78.5#

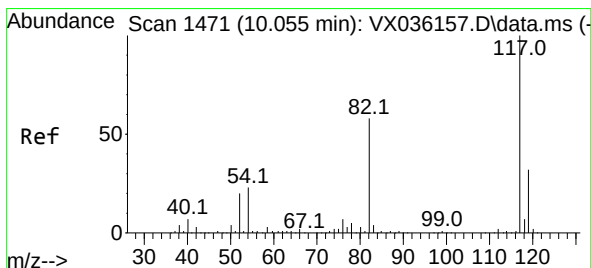
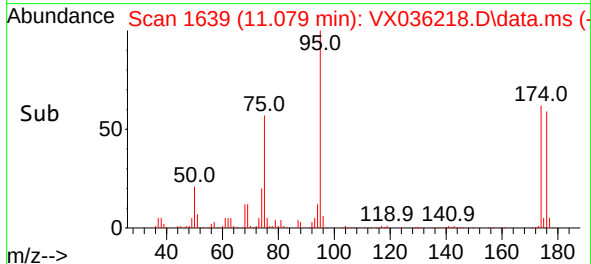
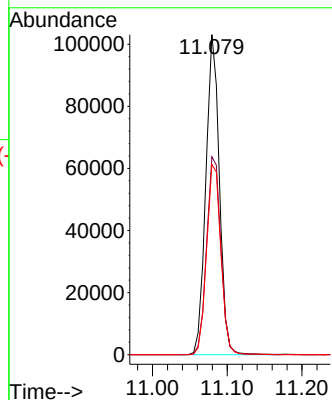
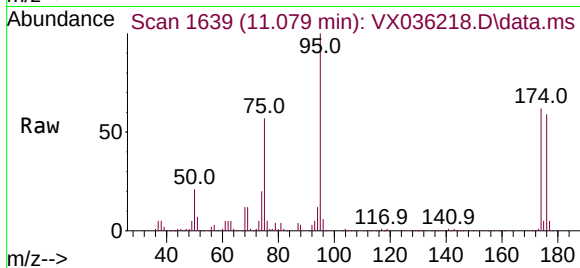




#62
4-Bromofluorobenzene
Concen: 49.203 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036218.D
Acq: 19 Jun 2023 19:59

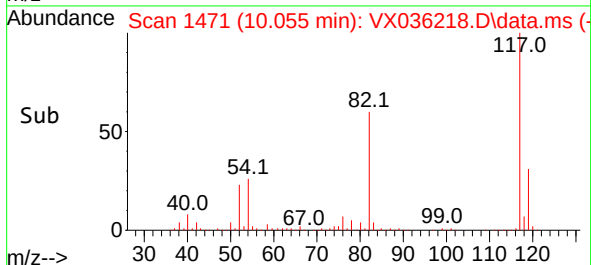
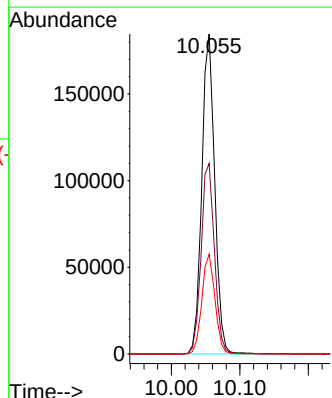
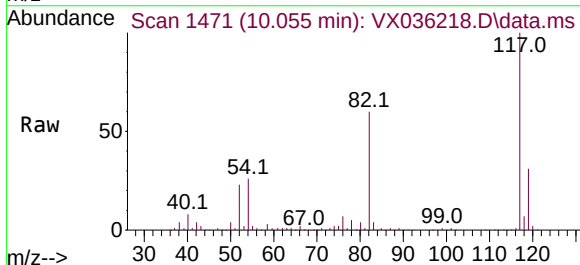
Instrument :
MSVOA_X
ClientSampleId :

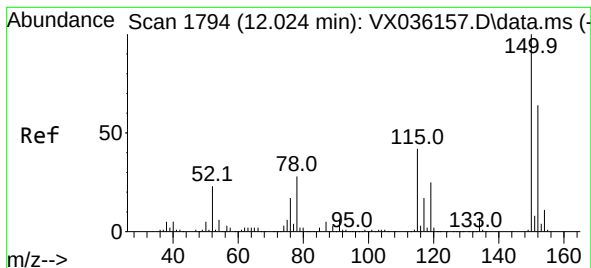
Tgt Ion: 95 Resp: 129739
Ion Ratio Lower Upper
95 100
174 65.5 0.0 135.6
176 62.7 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036218.D
Acq: 19 Jun 2023 19:59

Tgt Ion: 117 Resp: 242451
Ion Ratio Lower Upper
117 100
82 59.5 46.2 69.4
119 31.2 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: VX036218.D

Acq: 19 Jun 2023 19:59

Instrument :

MSVOA_X

ClientSampleId :

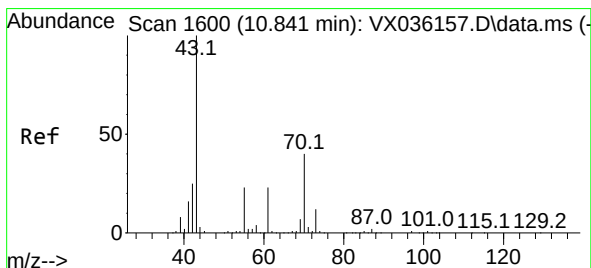
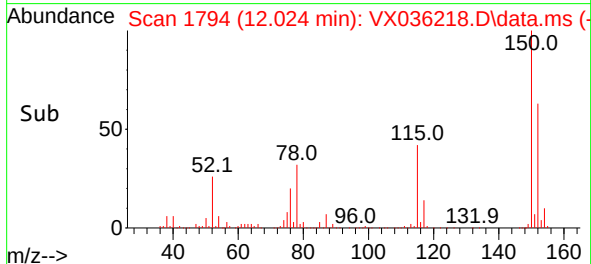
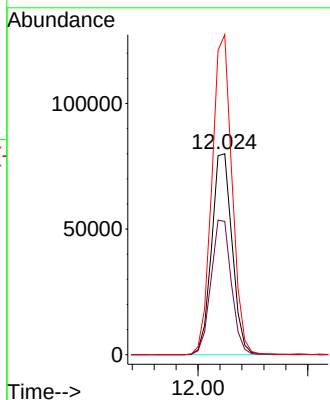
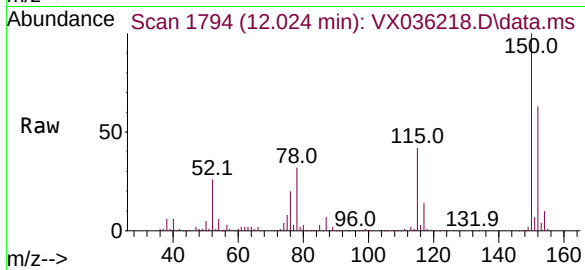
Tgt Ion:152 Resp: 104285

Ion Ratio Lower Upper

152 100

115 66.4 43.3 129.9

150 155.9 0.0 345.0



#74

N-ethyl acetate

Concen: 14.267 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX036218.D

Acq: 19 Jun 2023 19:59

Tgt Ion: 43 Resp: 49888

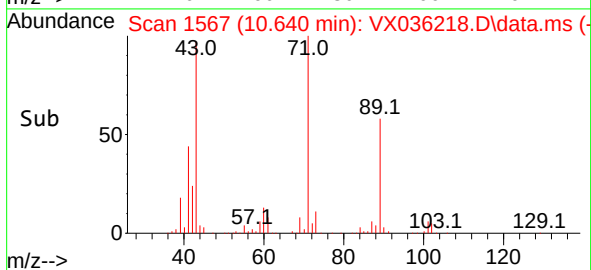
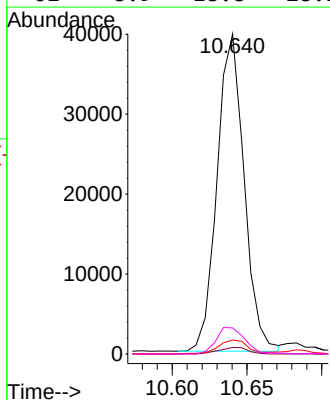
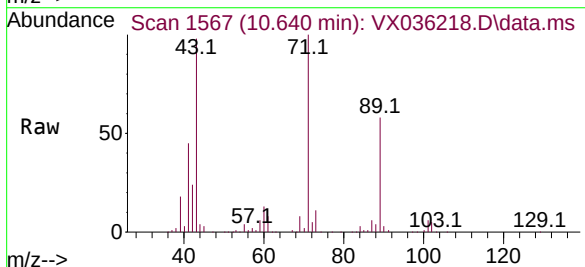
Ion Ratio Lower Upper

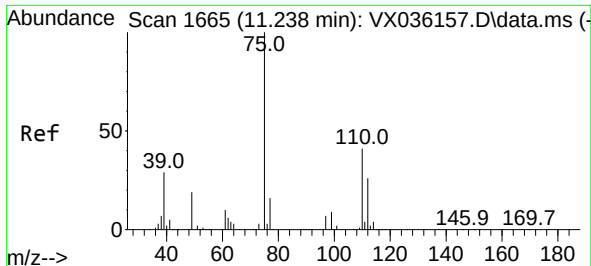
43 100

70 2.2 32.9 49.3#

55 4.9 19.3 28.9#

61 8.9 18.8 28.2#

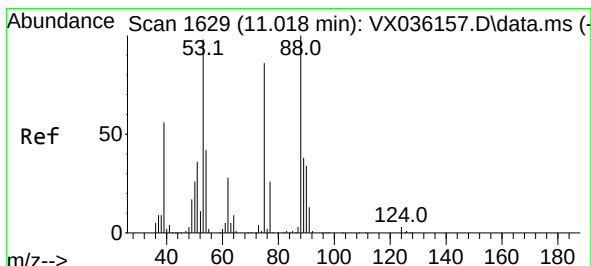
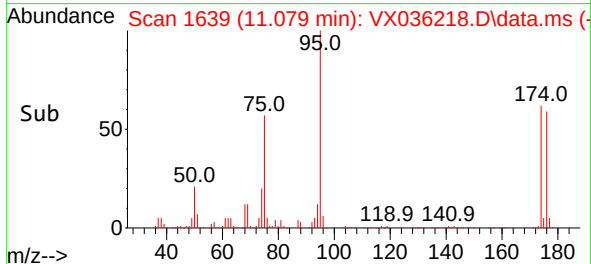
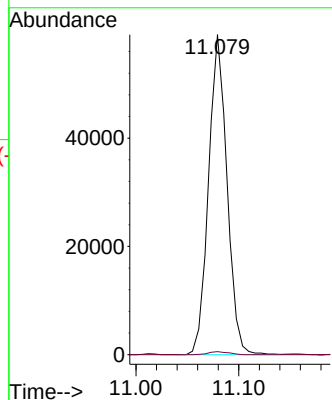
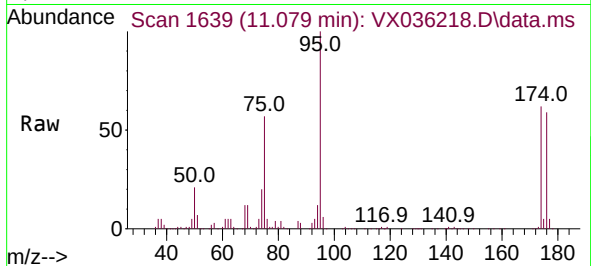




#76
1,2,3-Trichloropropane
Concen: 29.778 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX036218.D
Acq: 19 Jun 2023 19:59

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 73700
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.230 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036218.D
Acq: 19 Jun 2023 19:59

Tgt Ion: 75 Resp: 73700
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 36.9 55.3#

