

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061923\
 Data File : VX036221.D
 Acq On : 19 Jun 2023 21:10
 Operator : JC/MD
 Sample : PB153531ZHE#09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 20 03:49:39 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

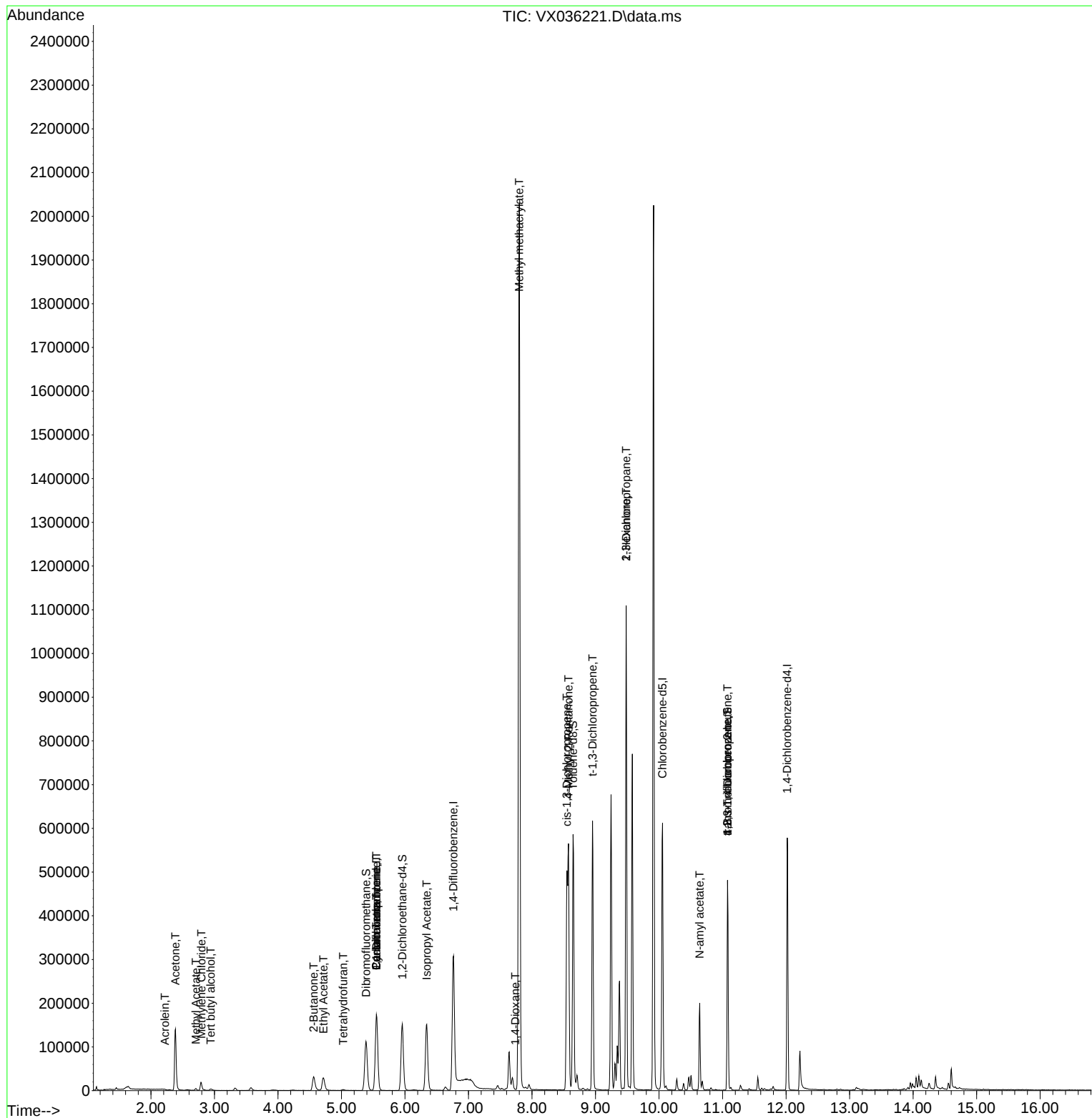
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	141776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	277381	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	248581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	109251	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	157027	60.608	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	121.220%#
35) Dibromofluoromethane	5.385	113	97246	51.700	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.400%
50) Toluene-d8	8.647	98	326062	47.390	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.780%
62) 4-Bromofluorobenzene	11.079	95	123523	44.475	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.960%
Target Compounds						Qvalue
11) Tert butyl alcohol	2.940	59	3015	7.612	ug/l #	78
13) Acrolein	2.221	56	198	0.450	ug/l #	60
16) Acetone	2.386	43	163161	151.577	ug/l	99
18) Methyl Acetate	2.709	43	5125	1.255	ug/l	95
20) Methylene Chloride	2.794	84	8530	4.374	ug/l	95
25) 2-Butanone	4.562	43	54295	36.029	ug/l	96
29) Tetrahydrofuran	5.025	42	1755	1.834	ug/l #	86
31) Cyclohexane	5.550	56	4187	1.506	ug/l #	26
36) 1,1-Dichloropropene	5.550	75	14095	5.087	ug/l #	51
37) Ethyl Acetate	4.714	43	53599	16.604	ug/l	99
38) Carbon Tetrachloride	5.550	117	17083	6.342	ug/l #	18
43) Isopropyl Acetate	6.342	43	211985	42.909	ug/l	98
48) Methyl methacrylate	7.799	41	191058	75.378	ug/l #	49
49) 1,4-Dioxane	7.738	88	25	0.589	ug/l #	12
51) 4-Methyl-2-Pentanone	8.574	43	473919	151.924	ug/l #	80
53) t-1,3-Dichloropropene	8.952	75	1191	0.408	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	67287	21.502	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	8813	2.460	ug/l #	42
59) 2-Hexanone	9.482	43	134338	57.926	ug/l #	51
74) N-amyl acetate	10.640	43	55420	15.128	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	69925	26.969	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	69925	94.396	ug/l #	5

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

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Misc : 5.0mL/MSVOA_X/WATER
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Instrument :
MSVOA_X
ClientSampleId :

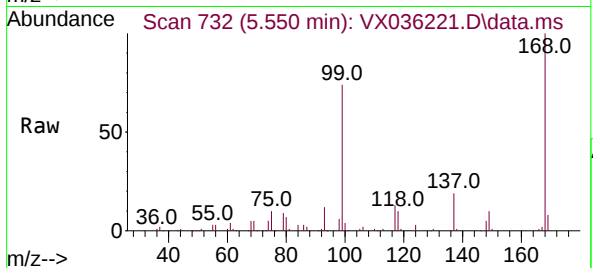
Quant Time: Jun 20 03:49:39 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061623W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 16 16:28:40 2023
Response via : Initial Calibration



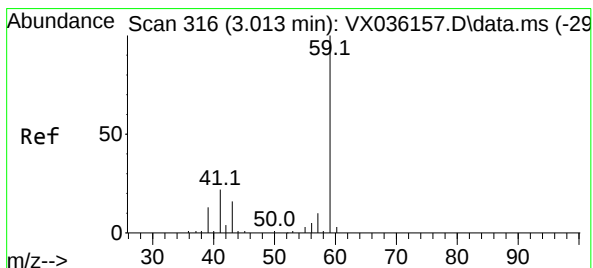
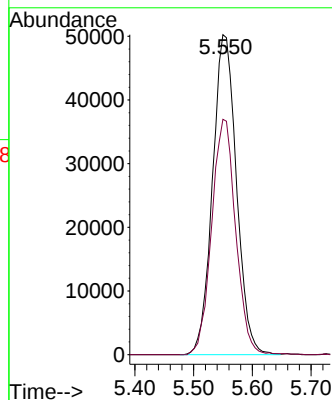
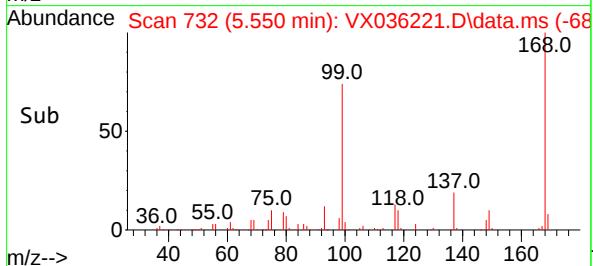


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX036221.D
Acq: 19 Jun 2023 21:10

Instrument :
MSVOA_X
ClientSampleId :

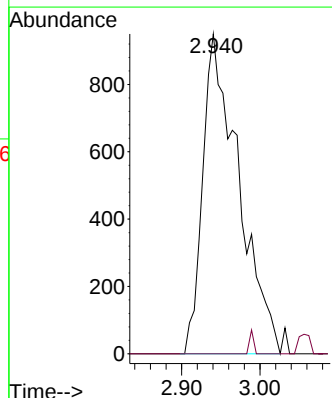
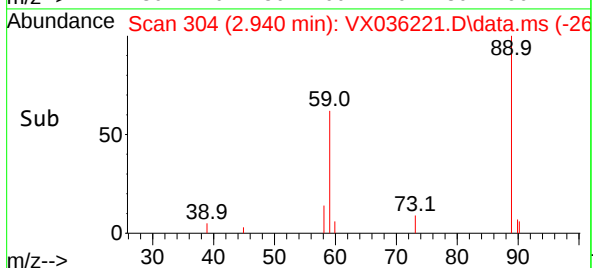
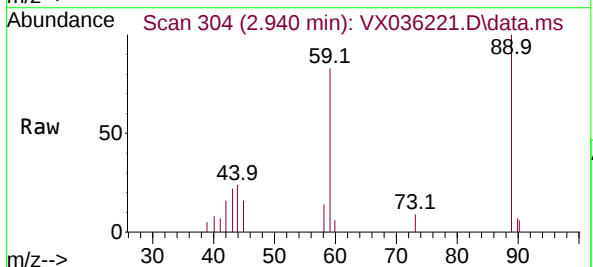


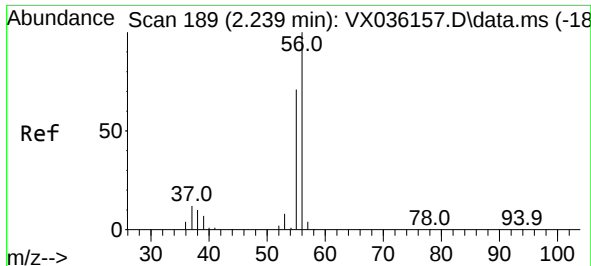
Tgt Ion:168 Resp: 141776
Ion Ratio Lower Upper
168 100
99 73.5 56.6 85.0



#11
Tert butyl alcohol
Concen: 7.612 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.073 min
Lab File: VX036221.D
Acq: 19 Jun 2023 21:10

Tgt Ion: 59 Resp: 3015
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

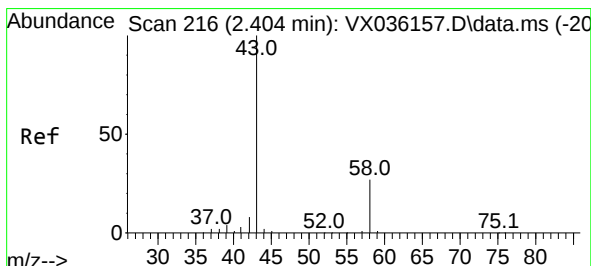
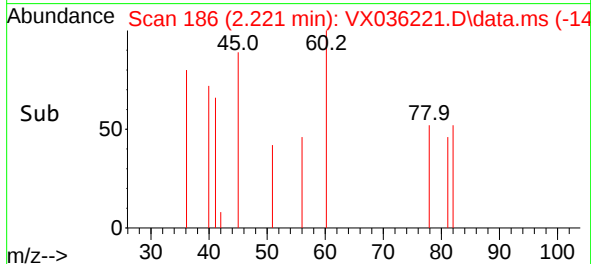
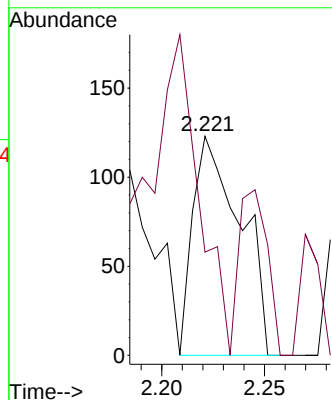
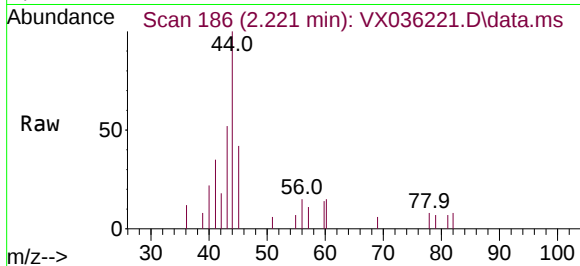




#13
Acrolein
Concen: 0.450 ug/l
RT: 2.221 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX036221.D
Acq: 19 Jun 2023 21:10

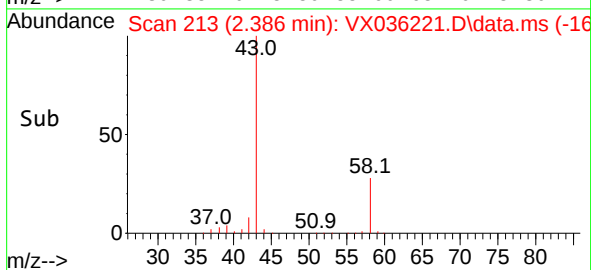
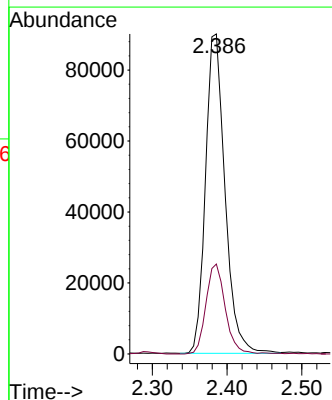
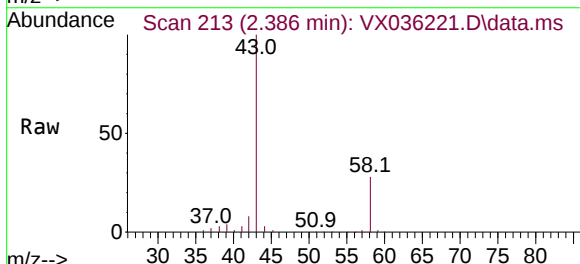
Instrument :
MSVOA_X
ClientSampleId :

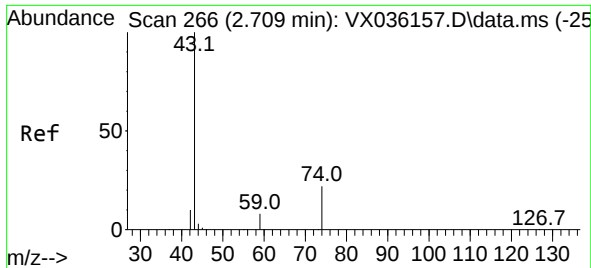
Tgt Ion: 56 Resp: 198
Ion Ratio Lower Upper
56 100
55 104.5 57.1 85.7#



#16
Acetone
Concen: 151.577 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.018 min
Lab File: VX036221.D
Acq: 19 Jun 2023 21:10

Tgt Ion: 43 Resp: 163161
Ion Ratio Lower Upper
43 100
58 28.1 21.9 32.9

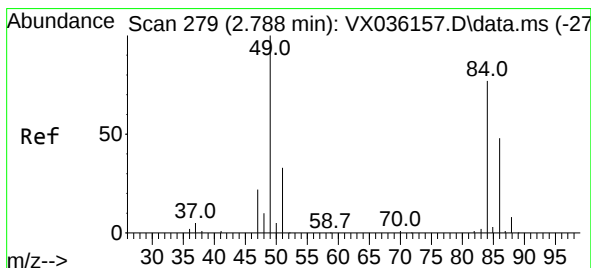
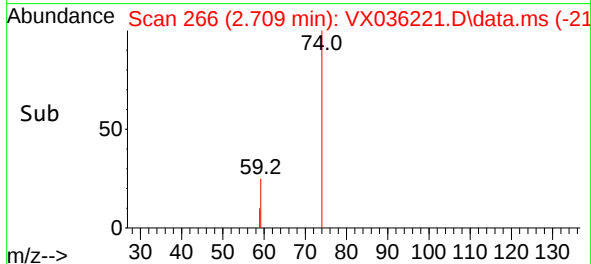
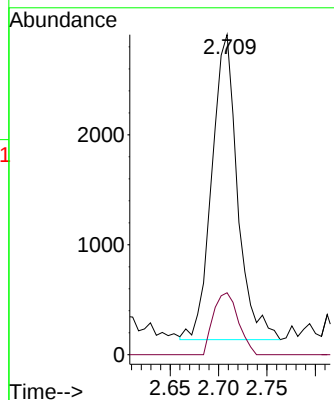
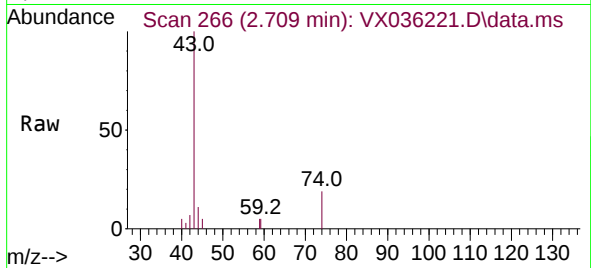




#18
Methyl Acetate
Concen: 1.255 ug/l
RT: 2.709 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX036221.D
Acq: 19 Jun 2023 21:10

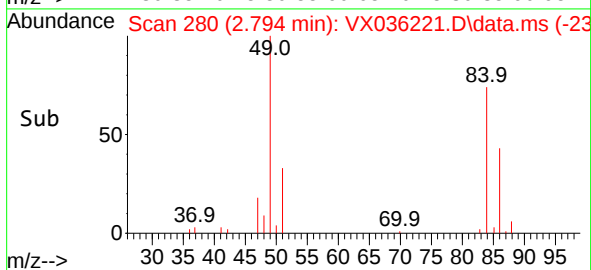
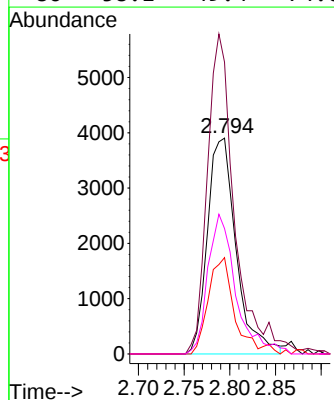
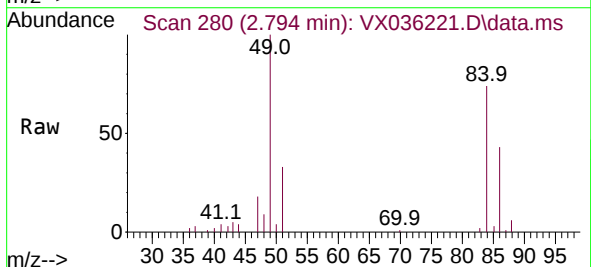
Instrument :
MSVOA_X
ClientSampleId :

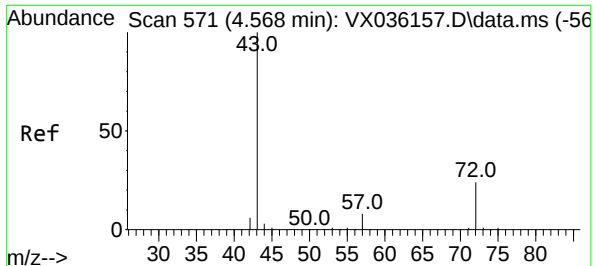
Tgt Ion: 43 Resp: 5125
Ion Ratio Lower Upper
43 100
74 19.7 17.8 26.8



#20
Methylene Chloride
Concen: 4.374 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX036221.D
Acq: 19 Jun 2023 21:10

Tgt Ion: 84 Resp: 8530
Ion Ratio Lower Upper
84 100
49 135.2 103.6 155.4
51 44.6 33.8 50.6
86 58.1 49.4 74.0

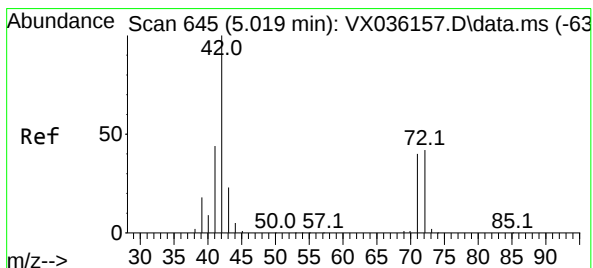
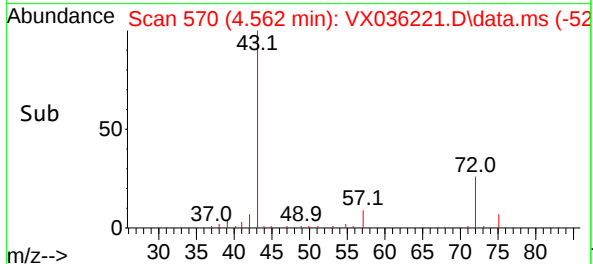
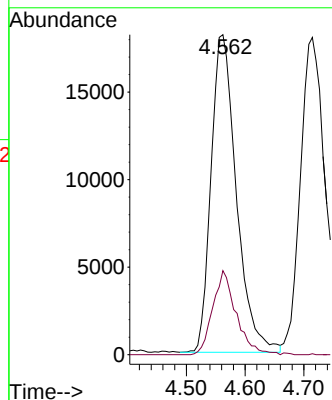
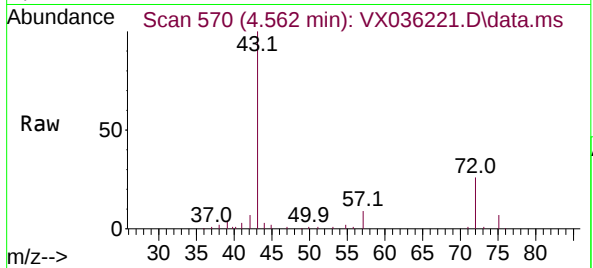




#25
2-Butanone
Concen: 36.029 ug/l
RT: 4.562 min Scan# 51
Delta R.T. -0.006 min
Lab File: VX036221.D
Acq: 19 Jun 2023 21:10

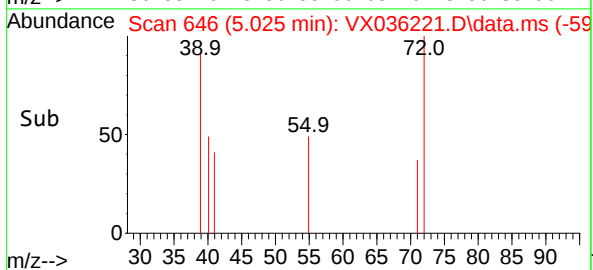
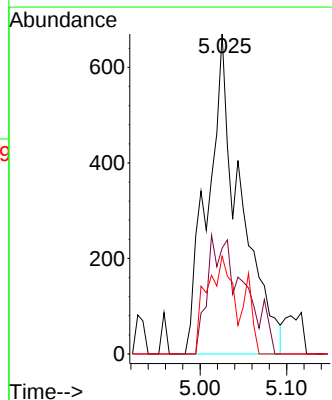
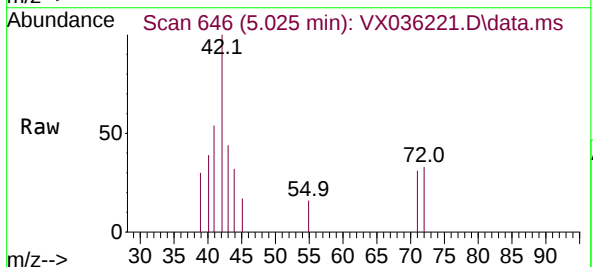
Instrument :
MSVOA_X
ClientSampleId :

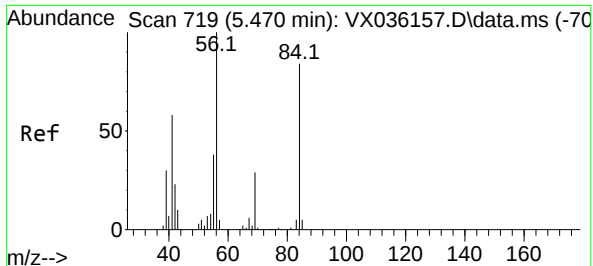
Tgt Ion: 43 Resp: 54295
Ion Ratio Lower Upper
43 100
72 26.5 19.4 29.2



#29
Tetrahydrofuran
Concen: 1.834 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.006 min
Lab File: VX036221.D
Acq: 19 Jun 2023 21:10

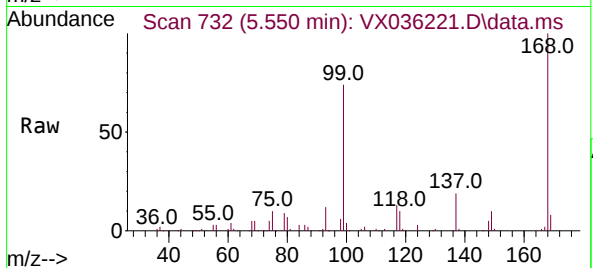
Tgt Ion: 42 Resp: 1755
Ion Ratio Lower Upper
42 100
72 41.3 34.2 51.4
71 24.0 32.2 48.2#



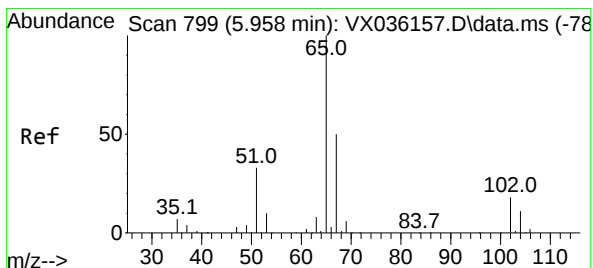
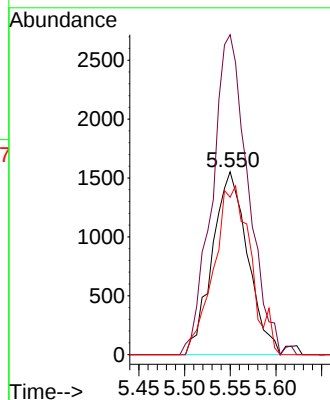
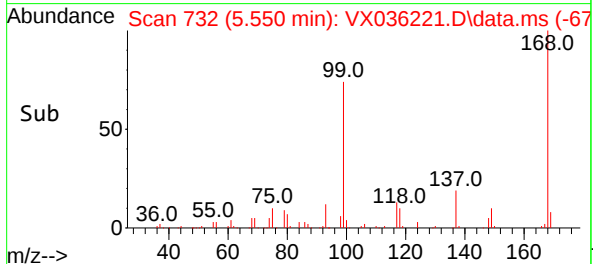


#31
Cyclohexane
Concen: 1.506 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX036221.D
Acq: 19 Jun 2023 21:10

Instrument :
MSVOA_X
ClientSampleId :

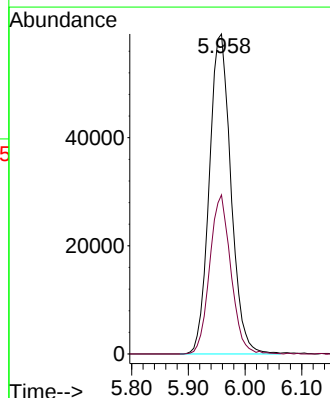
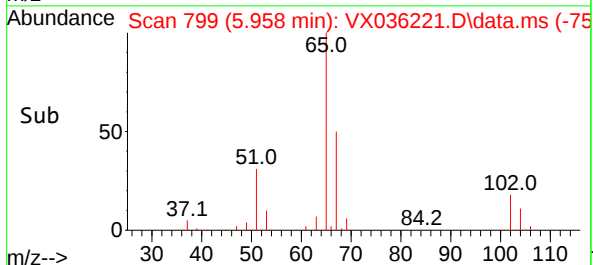
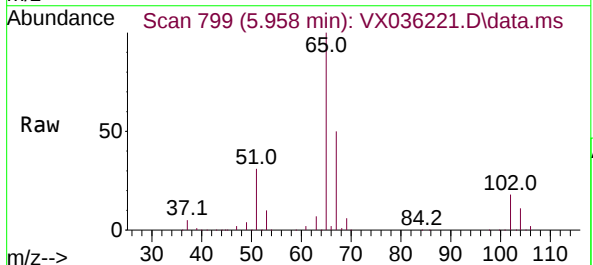


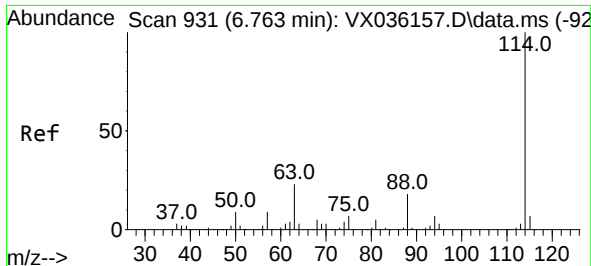
Tgt Ion: 56 Resp: 4187
Ion Ratio Lower Upper
56 100
69 175.1 23.4 35.2#
84 86.1 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 60.608 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX036221.D
Acq: 19 Jun 2023 21:10

Tgt Ion: 65 Resp: 157027
Ion Ratio Lower Upper
65 100
67 48.5 0.0 100.2

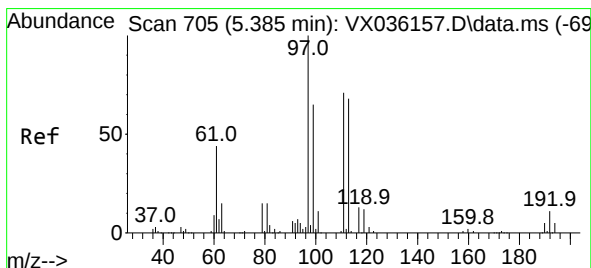
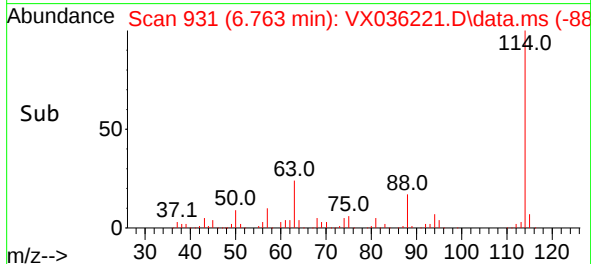
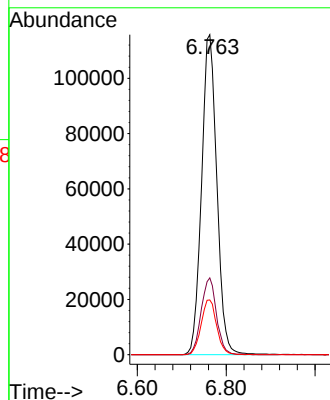
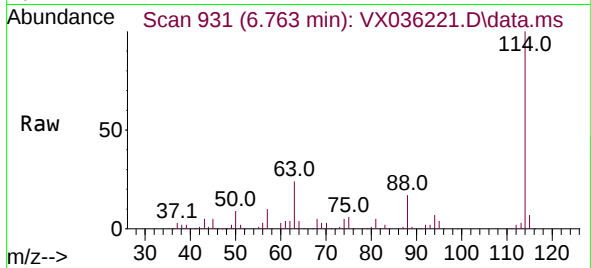




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX036221.D
Acq: 19 Jun 2023 21:10

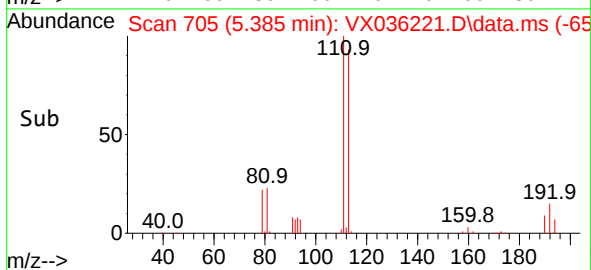
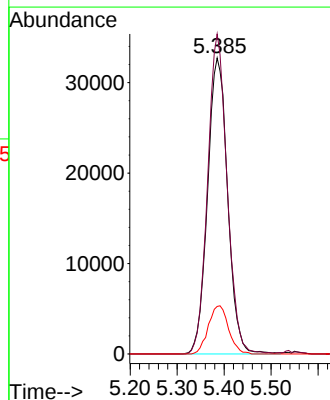
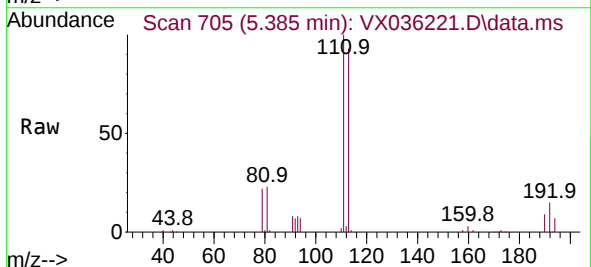
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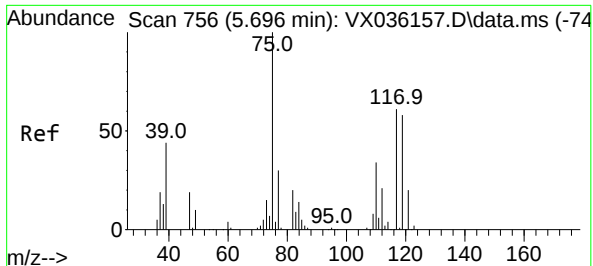
Tgt Ion:114 Resp: 277381
Ion Ratio Lower Upper
114 100
63 24.0 0.0 45.0
88 17.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 51.700 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036221.D
Acq: 19 Jun 2023 21:10

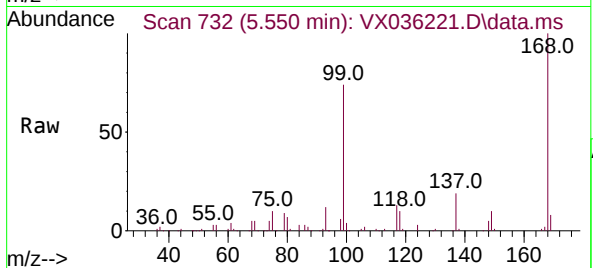
Tgt Ion:113 Resp: 97246
Ion Ratio Lower Upper
113 100
111 104.5 82.9 124.3
192 16.3 13.3 19.9



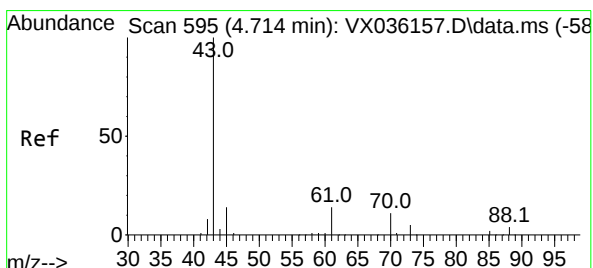
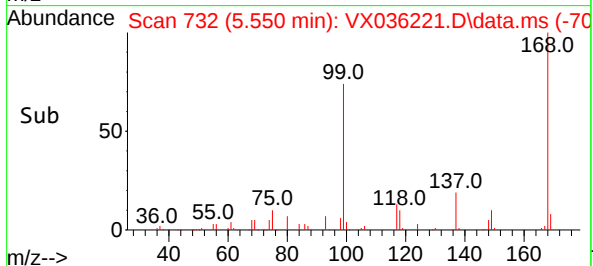
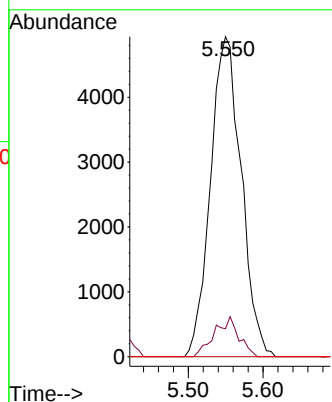


#36
1,1-Dichloropropene
Concen: 5.087 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX036221.D
Acq: 19 Jun 2023 21:10

Instrument :
MSVOA_X
ClientSampleId :

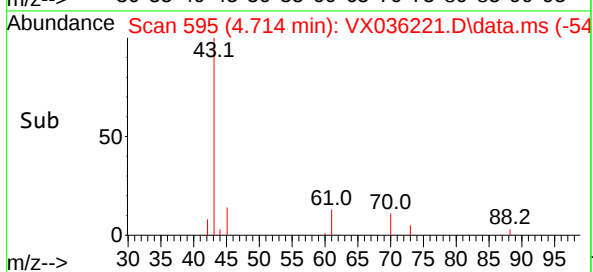
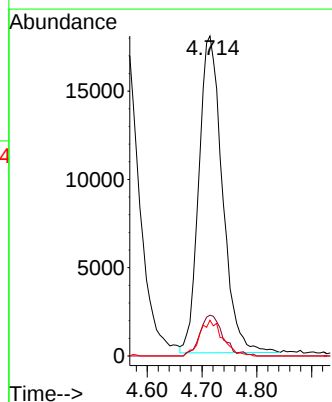
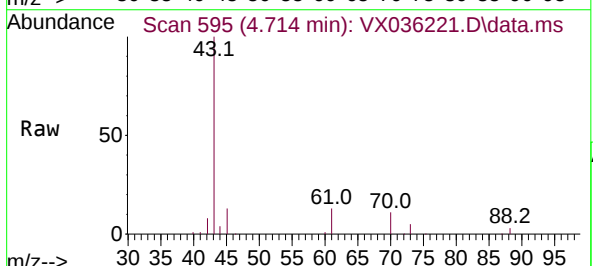


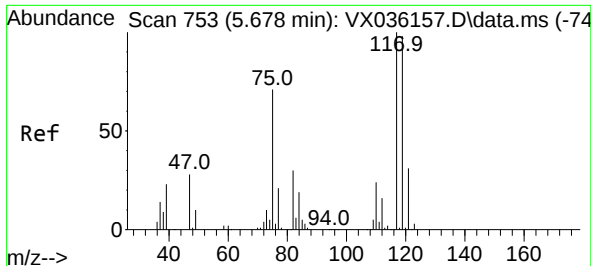
Tgt Ion: 75 Resp: 14095
Ion Ratio Lower Upper
75 100
110 9.9 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 16.604 ug/l
RT: 4.714 min Scan# 595
Delta R.T. 0.000 min
Lab File: VX036221.D
Acq: 19 Jun 2023 21:10

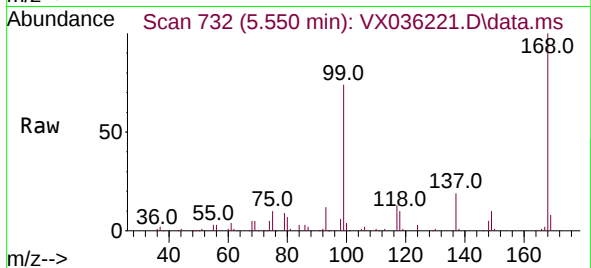
Tgt Ion: 43 Resp: 53599
Ion Ratio Lower Upper
43 100
61 12.7 10.6 16.0
70 10.9 8.3 12.5



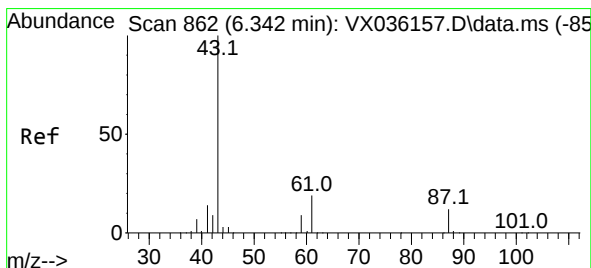
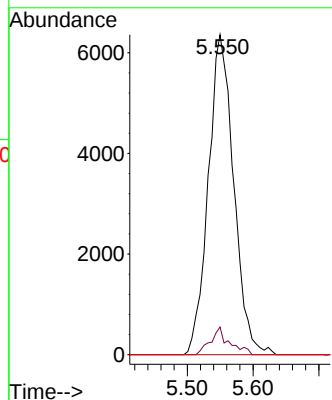
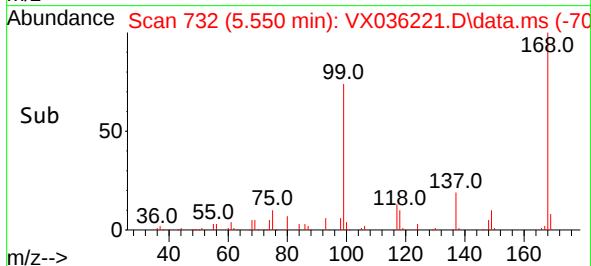


#38
Carbon Tetrachloride
Concen: 6.342 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX036221.D
Acq: 19 Jun 2023 21:10

Instrument :
MSVOA_X
ClientSampleId :

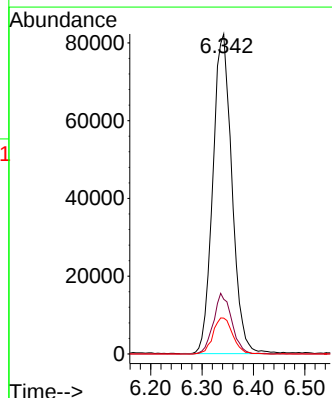
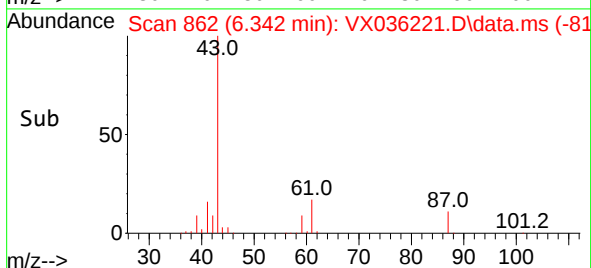
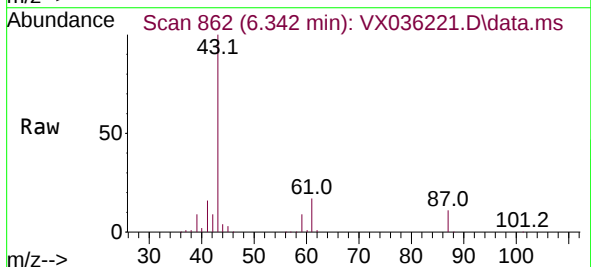


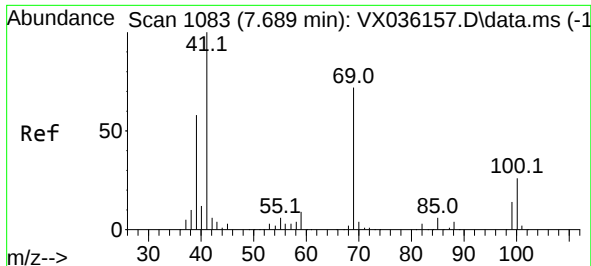
Tgt Ion:117 Resp: 17083
Ion Ratio Lower Upper
117 100
119 8.6 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 42.909 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX036221.D
Acq: 19 Jun 2023 21:10

Tgt Ion: 43 Resp: 211985
Ion Ratio Lower Upper
43 100
61 18.1 15.2 22.8
87 11.6 9.8 14.6





#48

Methyl methacrylate

Concen: 75.378 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.110 min

Lab File: VX036221.D

Acq: 19 Jun 2023 21:10

Instrument :

MSVOA_X

ClientSampleId :

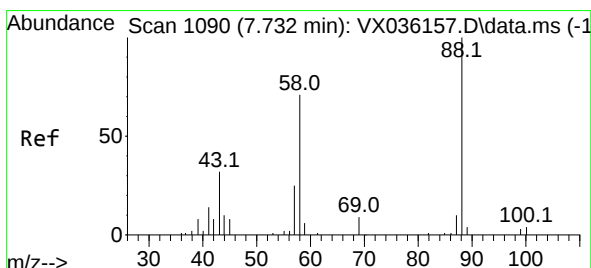
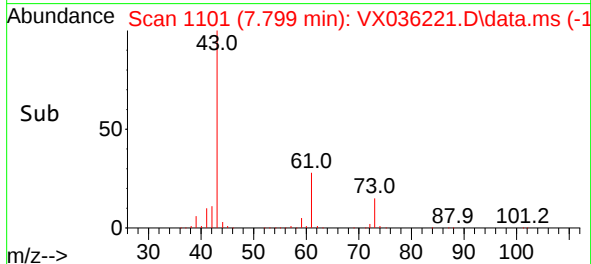
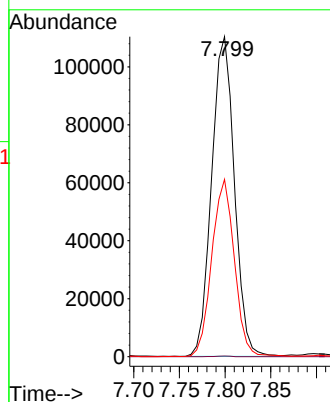
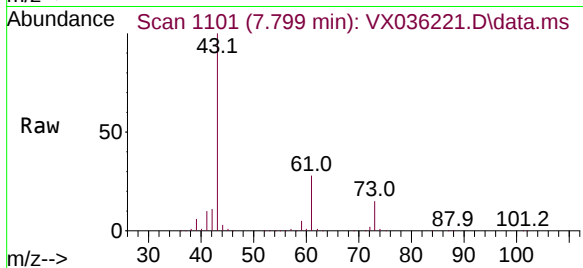
Tgt Ion: 41 Resp: 191058

Ion Ratio Lower Upper

41 100

69 0.1 59.2 88.8#

39 55.2 47.7 71.5



#49

1,4-Dioxane

Concen: 0.589 ug/l

RT: 7.738 min Scan# 1091

Delta R.T. 0.006 min

Lab File: VX036221.D

Acq: 19 Jun 2023 21:10

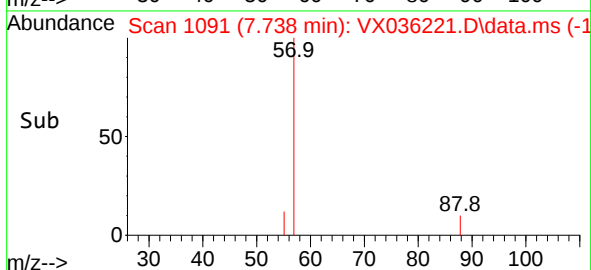
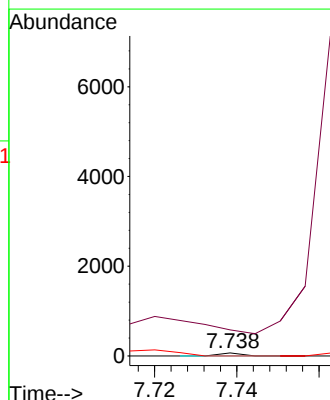
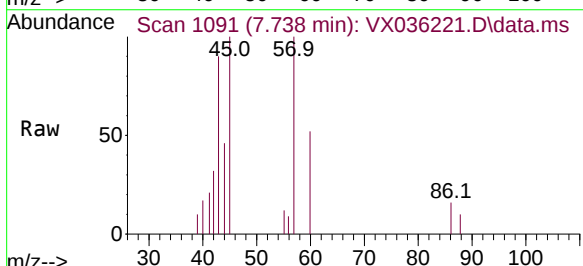
Tgt Ion: 88 Resp: 25

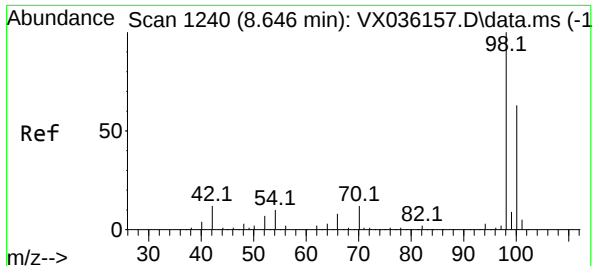
Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 60.1 90.1#





#50

Toluene-d8

Concen: 47.390 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.001 min

Lab File: VX036221.D

Acq: 19 Jun 2023 21:10

Instrument :

MSVOA_X

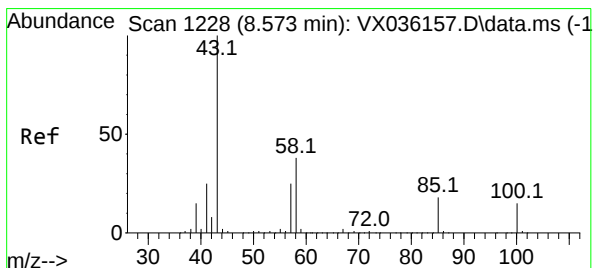
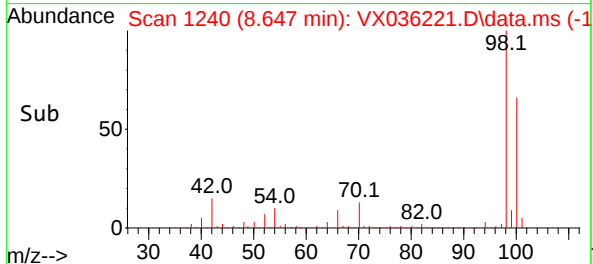
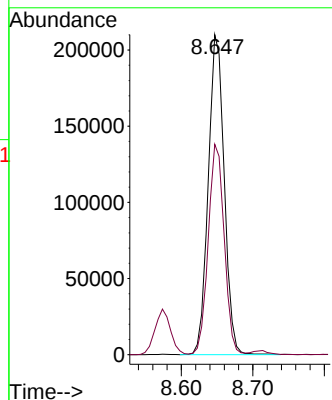
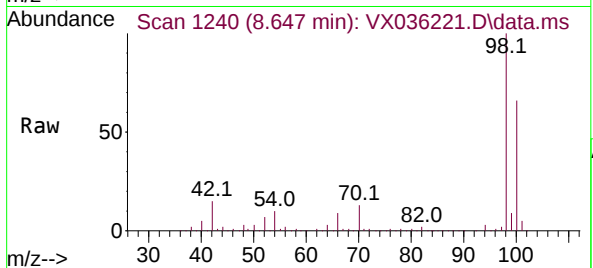
ClientSampleId :

Tgt Ion: 98 Resp: 326062

Ion Ratio Lower Upper

98 100

100 65.7 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 151.924 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.001 min

Lab File: VX036221.D

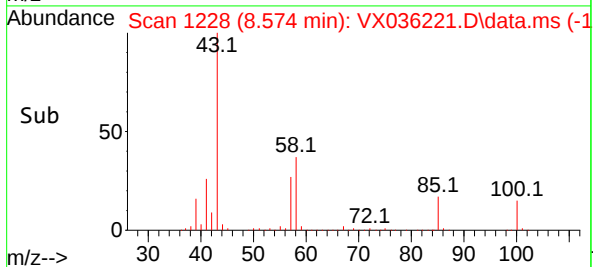
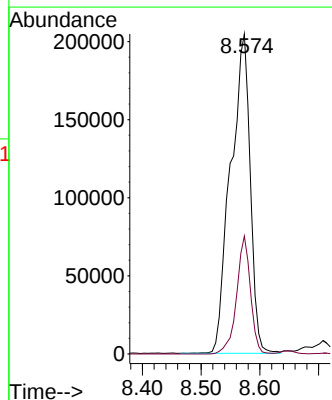
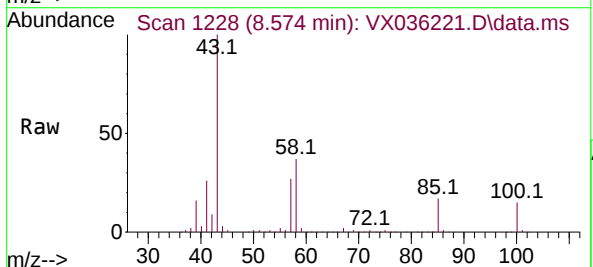
Acq: 19 Jun 2023 21:10

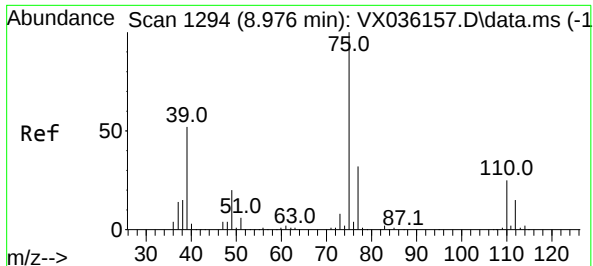
Tgt Ion: 43 Resp: 473919

Ion Ratio Lower Upper

43 100

58 26.2 30.4 45.6#





#53

t-1,3-Dichloropropene

Concen: 0.408 ug/l

RT: 8.952 min Scan# 1191

Delta R.T. -0.024 min

Lab File: VX036221.D

Acq: 19 Jun 2023 21:10

Instrument :

MSVOA_X

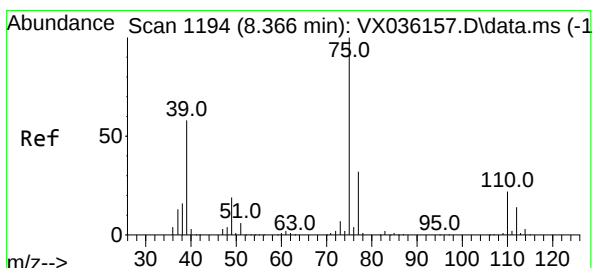
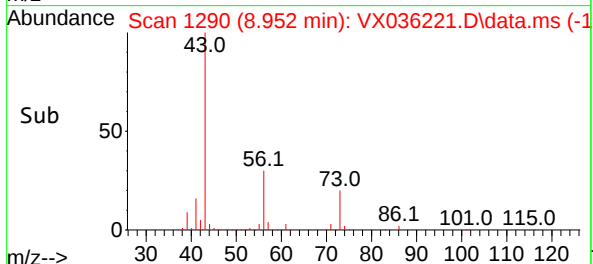
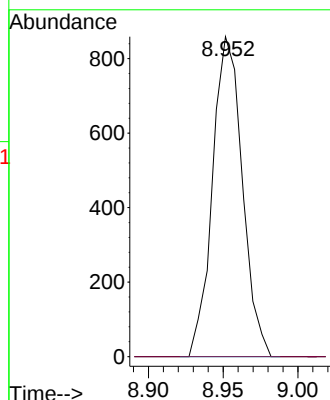
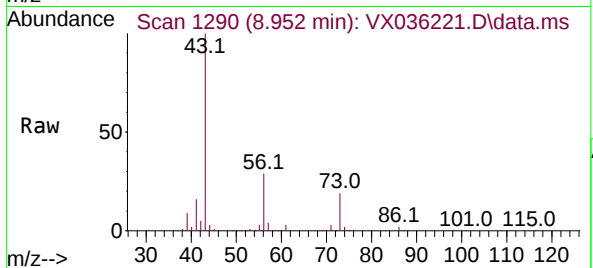
ClientSampleId :

Tgt Ion: 75 Resp: 1191

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#



#54

cis-1,3-Dichloropropene

Concen: 21.502 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX036221.D

Acq: 19 Jun 2023 21:10

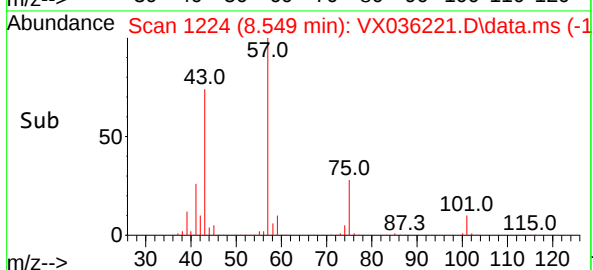
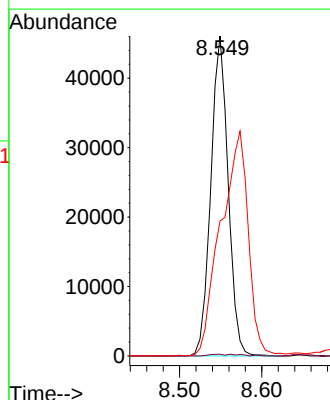
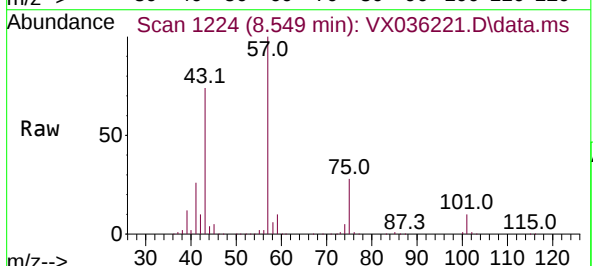
Tgt Ion: 75 Resp: 67287

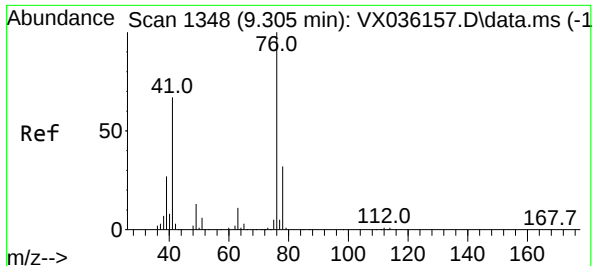
Ion Ratio Lower Upper

75 100

77 0.5 25.3 37.9#

39 42.0 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.460 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX036221.D

Acq: 19 Jun 2023 21:10

Instrument :

MSVOA_X

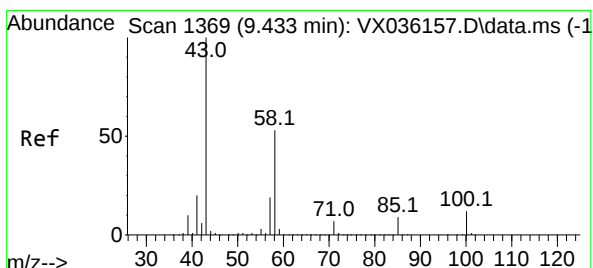
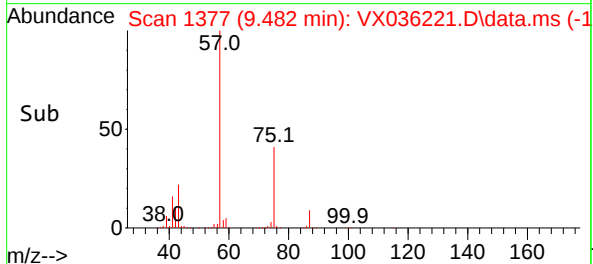
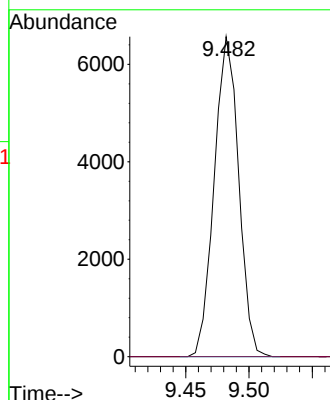
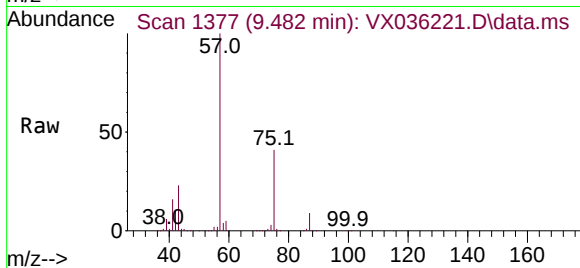
ClientSampleId :

Tgt Ion: 76 Resp: 8813

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 57.926 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX036221.D

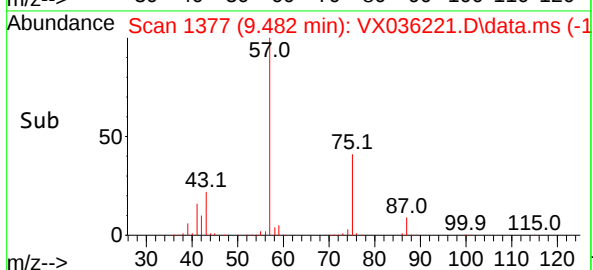
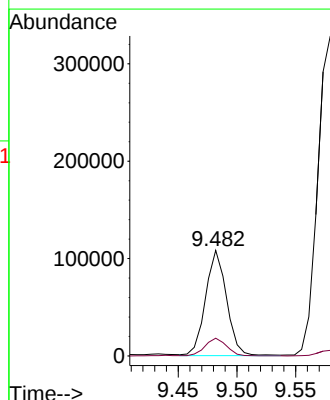
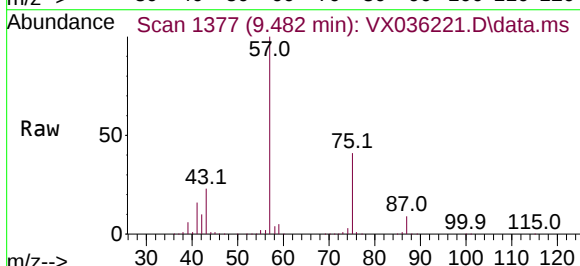
Acq: 19 Jun 2023 21:10

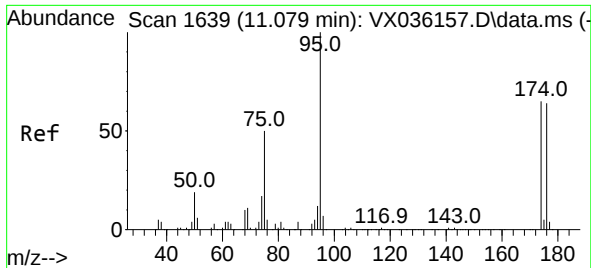
Tgt Ion: 43 Resp: 134338

Ion Ratio Lower Upper

43 100

58 17.6 26.2 78.5#

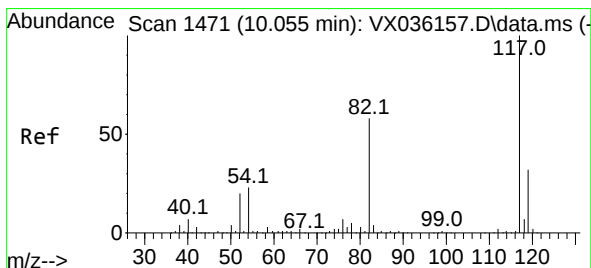
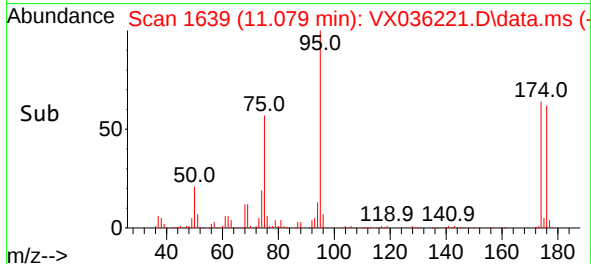
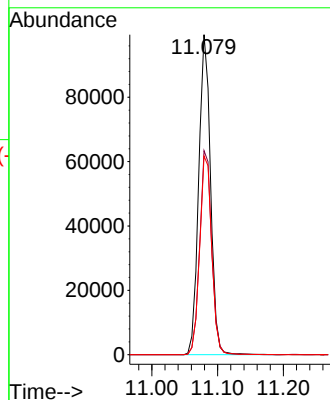
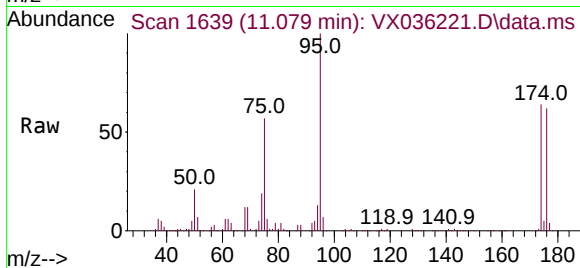




#62
4-Bromofluorobenzene
Concen: 44.475 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036221.D
Acq: 19 Jun 2023 21:10

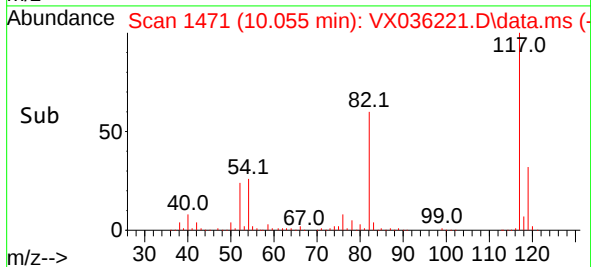
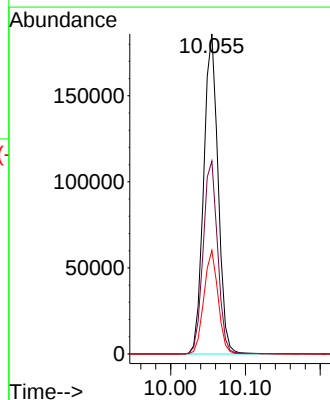
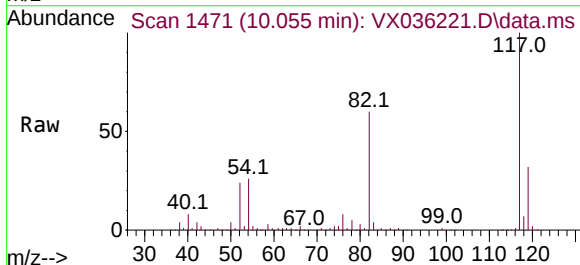
Instrument :
MSVOA_X
ClientSampleId :

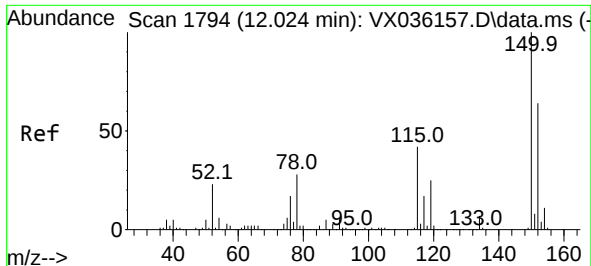
Tgt Ion: 95 Resp: 123523
Ion Ratio Lower Upper
95 100
174 64.8 0.0 135.6
176 63.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036221.D
Acq: 19 Jun 2023 21:10

Tgt Ion: 117 Resp: 248581
Ion Ratio Lower Upper
117 100
82 60.3 46.2 69.4
119 32.4 25.5 38.3

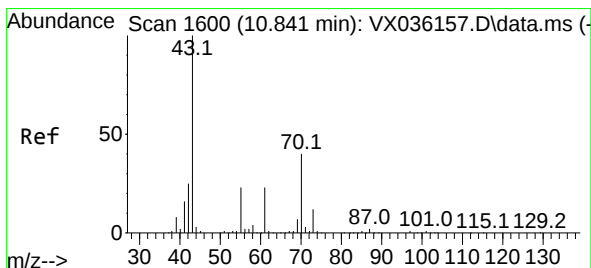
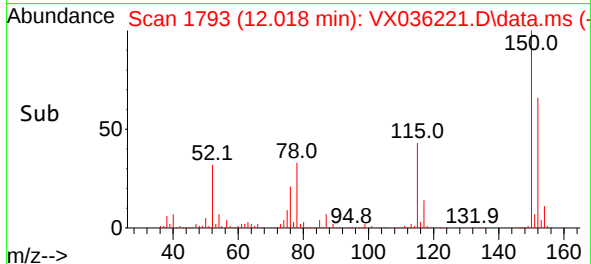
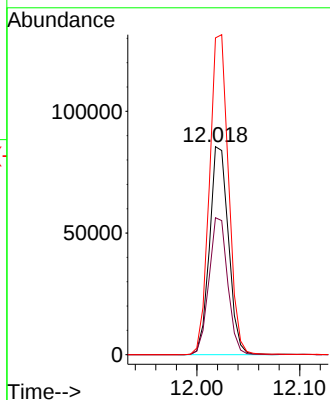
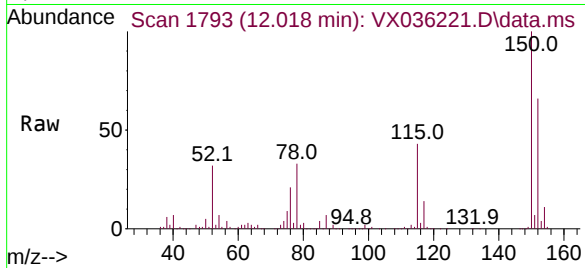




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX036221.D
Acq: 19 Jun 2023 21:10

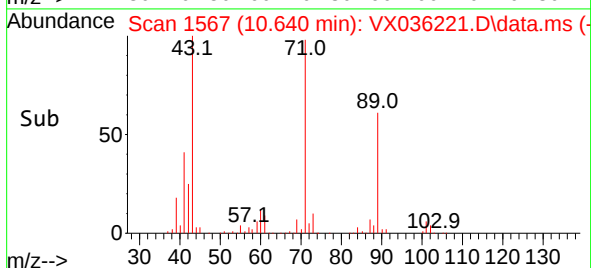
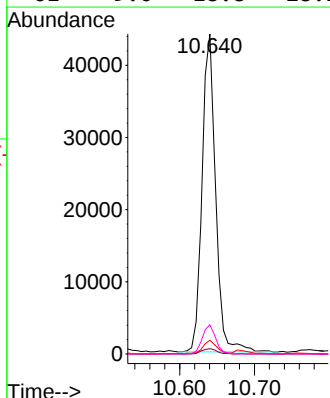
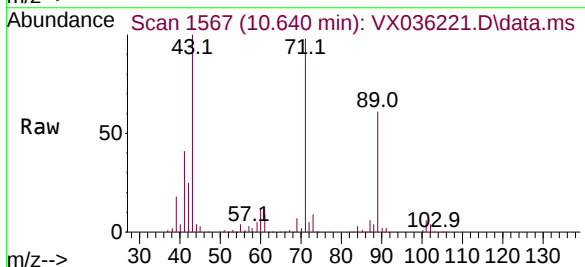
Instrument :
MSVOA_X
ClientSampleId :

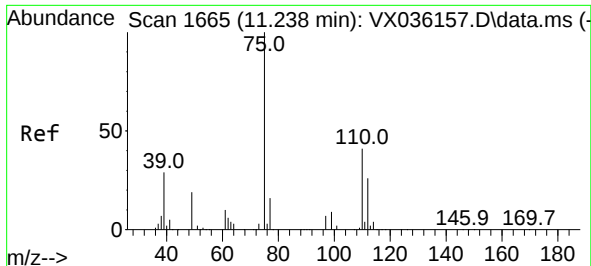
Tgt Ion:152 Resp: 109251
Ion Ratio Lower Upper
152 100
115 65.2 43.3 129.9
150 155.1 0.0 345.0



#74
N-ethyl acetate
Concen: 15.128 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX036221.D
Acq: 19 Jun 2023 21:10

Tgt Ion: 43 Resp: 55420
Ion Ratio Lower Upper
43 100
70 1.8 32.9 49.3#
55 4.4 19.3 28.9#
61 9.0 18.8 28.2#

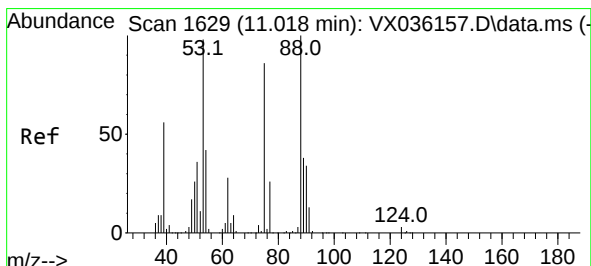
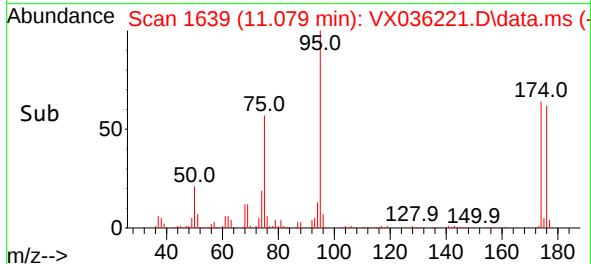
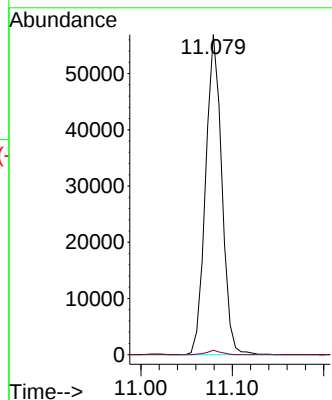
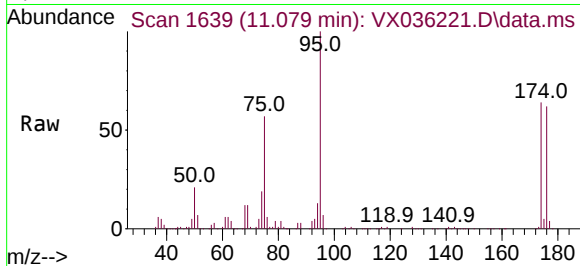




#76
1,2,3-Trichloropropane
Concen: 26.969 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX036221.D
Acq: 19 Jun 2023 21:10

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 69925
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.396 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036221.D
Acq: 19 Jun 2023 21:10

Tgt Ion: 75 Resp: 69925
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 36.9 55.3#

