

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061923\
 Data File : VX036222.D
 Acq On : 19 Jun 2023 21:33
 Operator : JC/MD
 Sample : PB153531ZHE#10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 20 03:50:05 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

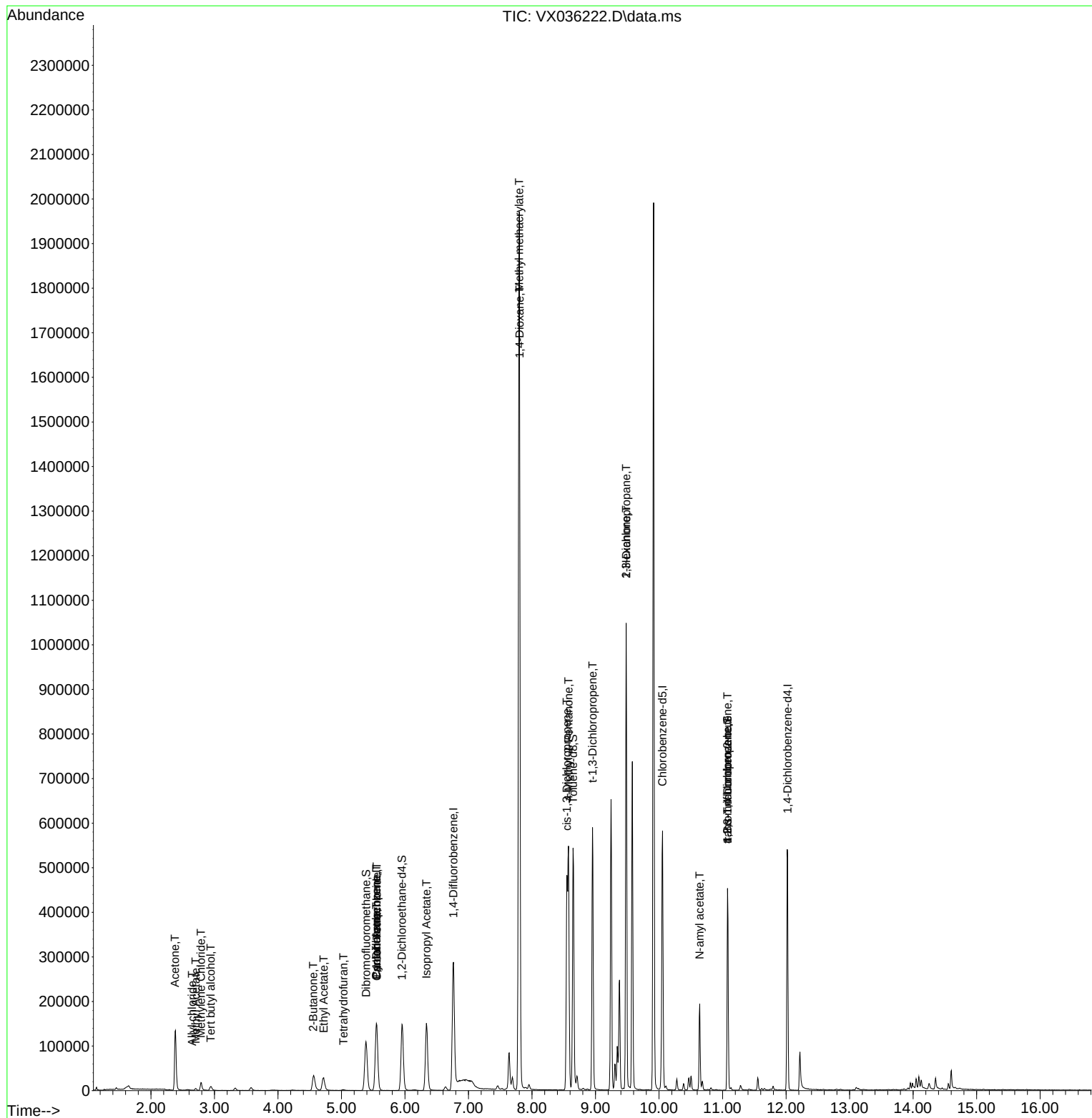
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	126583	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	258810	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	235231	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100498	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	151782	65.615	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	131.220%#
35) Dibromofluoromethane	5.385	113	94091	53.612	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.220%
50) Toluene-d8	8.647	98	304207	47.386	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.780%
62) 4-Bromofluorobenzene	11.079	95	117483	45.336	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.680%
Target Compounds						Qvalue
11) Tert butyl alcohol	2.940	59	6254	17.684	ug/l #	86
14) Allyl chloride	2.648	41	671	0.243	ug/l #	24
16) Acetone	2.380	43	158284	164.696	ug/l	97
18) Methyl Acetate	2.703	43	5282	1.449	ug/l	99
20) Methylene Chloride	2.788	84	8505	4.884	ug/l	94
25) 2-Butanone	4.556	43	53949	40.096	ug/l	95
29) Tetrahydrofuran	5.031	42	1915	2.241	ug/l #	69
31) Cyclohexane	5.550	56	3551	1.431	ug/l #	29
36) 1,1-Dichloropropene	5.550	75	13005	5.030	ug/l #	51
37) Ethyl Acetate	4.721	43	52783	17.524	ug/l	99
38) Carbon Tetrachloride	5.556	117	14644	5.827	ug/l #	16
43) Isopropyl Acetate	6.336	43	206594	44.819	ug/l	98
48) Methyl methacrylate	7.799	41	185194	78.308	ug/l #	49
49) 1,4-Dioxane	7.805	88	227	5.733	ug/l #	1
51) 4-Methyl-2-Pentanone	8.574	43	460093	158.076	ug/l #	80
53) t-1,3-Dichloropropene	8.952	75	1284	0.472	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	65120	22.303	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	8611	2.576	ug/l #	42
59) 2-Hexanone	9.482	43	128979	59.606	ug/l #	51
74) N-amyl acetate	10.640	43	53051	15.743	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	67742	28.402	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	67742	99.414	ug/l #	5

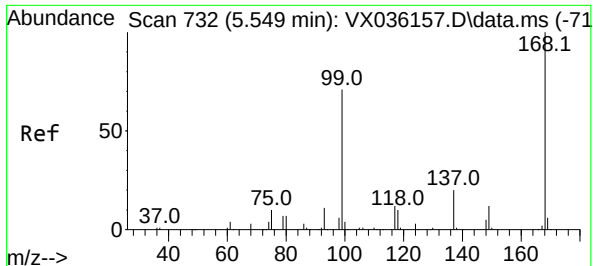
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061923\
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Instrument :
MSVOA_X
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Quant Time: Jun 20 03:50:05 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

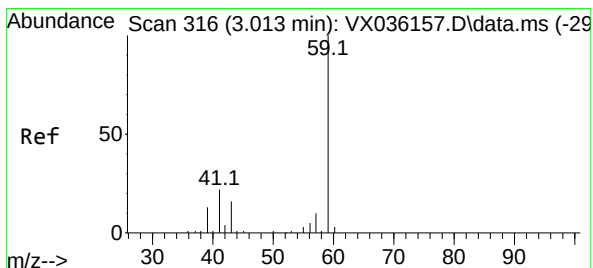
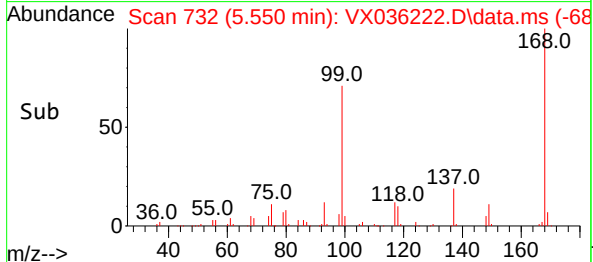
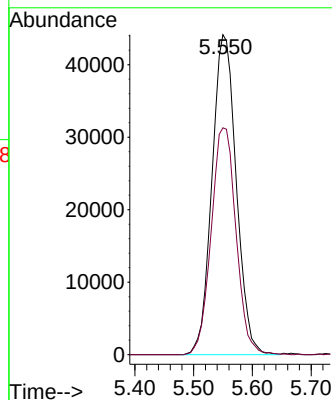
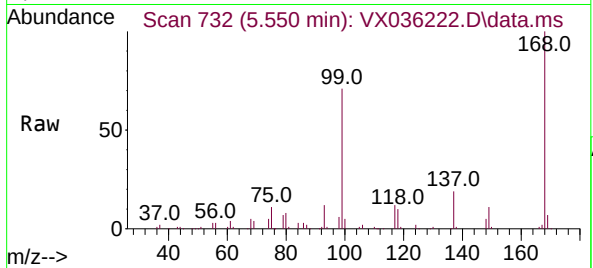




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX036222.D
Acq: 19 Jun 2023 21:33

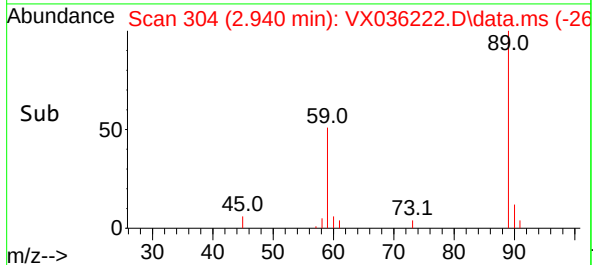
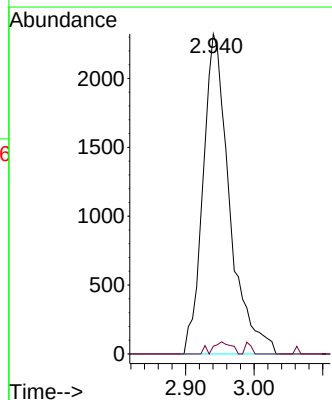
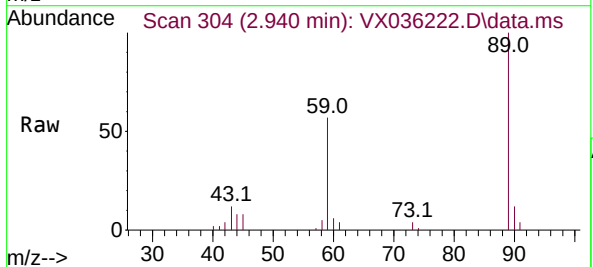
Instrument :
MSVOA_X
ClientSampleId :

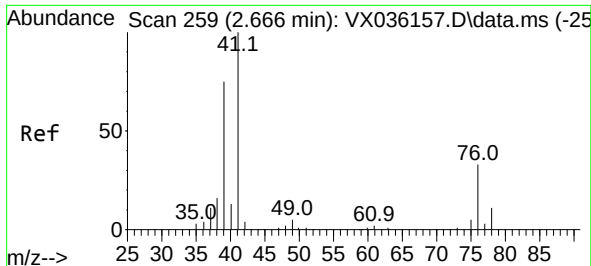
Tgt Ion:168 Resp: 126583
Ion Ratio Lower Upper
168 100
99 70.9 56.6 85.0



#11
Tert butyl alcohol
Concen: 17.684 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.073 min
Lab File: VX036222.D
Acq: 19 Jun 2023 21:33

Tgt Ion: 59 Resp: 6254
Ion Ratio Lower Upper
59 100
57 2.7 6.0 9.0#

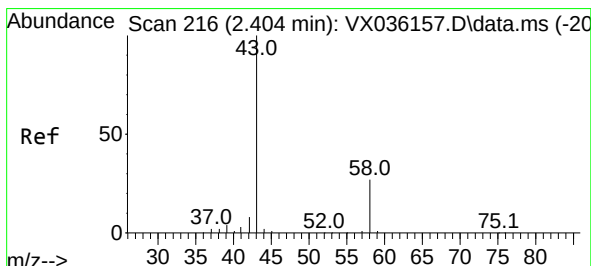
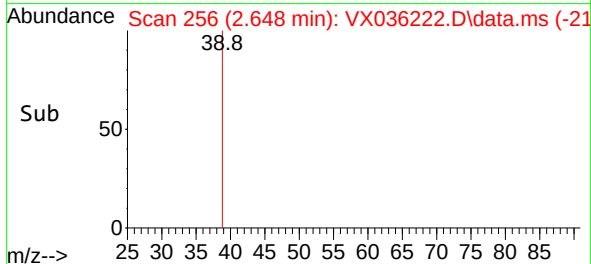
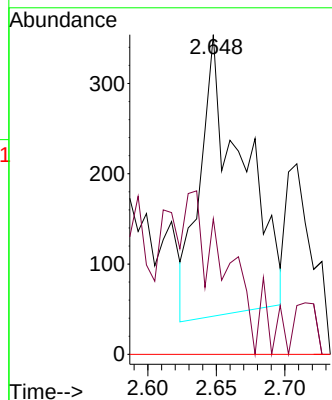
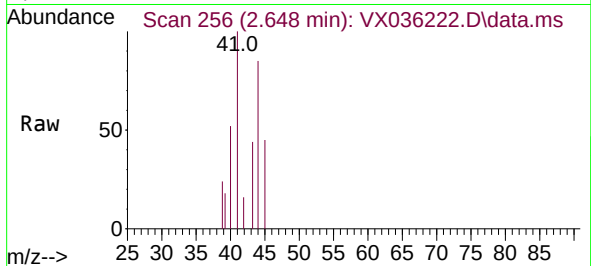




#14
 Allyl chloride
 Concen: 0.243 ug/l
 RT: 2.648 min Scan# 212
 Delta R.T. -0.018 min
 Lab File: VX036222.D
 Acq: 19 Jun 2023 21:33

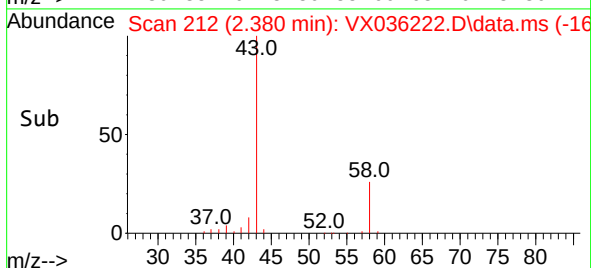
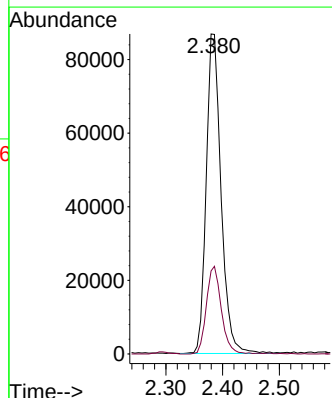
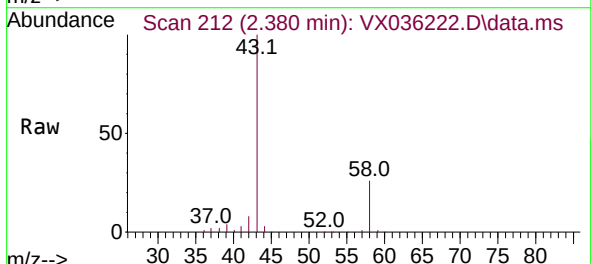
Instrument :
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 ClientSampleId :

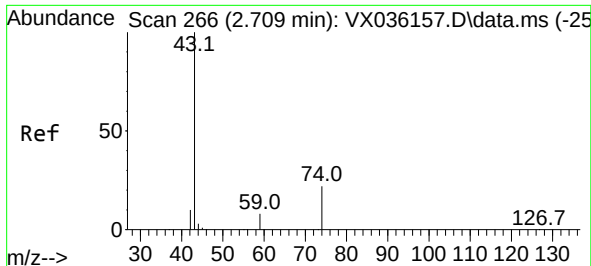
Tgt Ion: 41 Resp: 671
 Ion Ratio Lower Upper
 41 100
 39 0.0 55.8 83.6#
 76 0.0 24.3 36.5#



#16
 Acetone
 Concen: 164.696 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.024 min
 Lab File: VX036222.D
 Acq: 19 Jun 2023 21:33

Tgt Ion: 43 Resp: 158284
 Ion Ratio Lower Upper
 43 100
 58 26.0 21.9 32.9

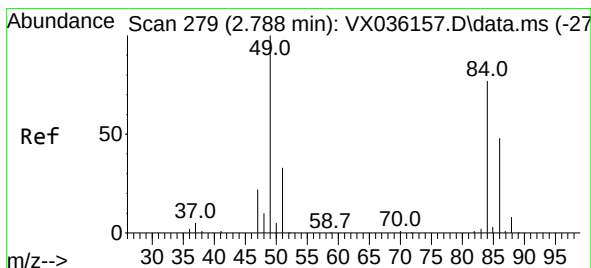
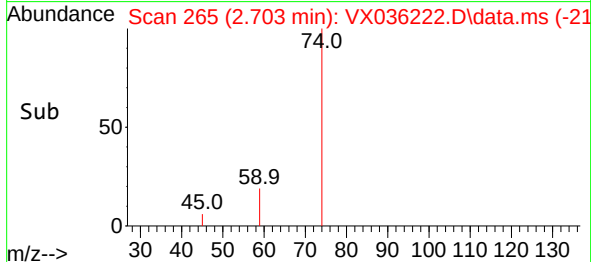
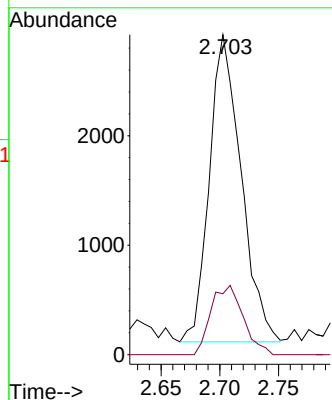
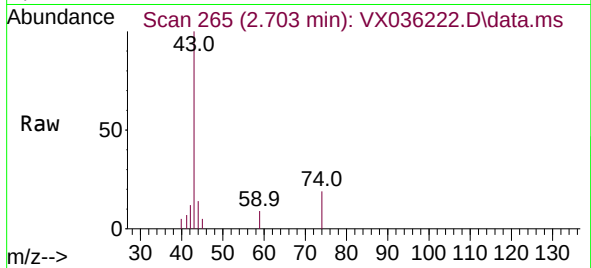




#18
Methyl Acetate
Concen: 1.449 ug/l
RT: 2.703 min Scan# 20
Delta R.T. -0.006 min
Lab File: VX036222.D
Acq: 19 Jun 2023 21:33

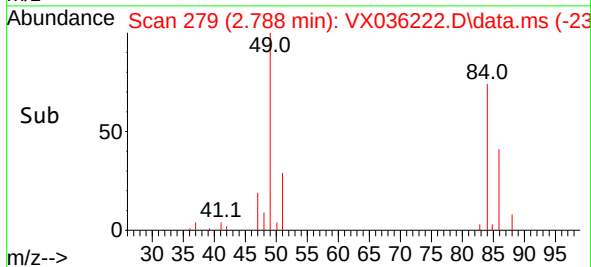
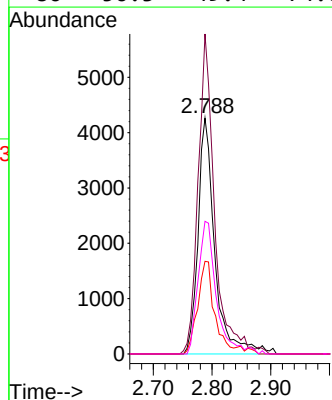
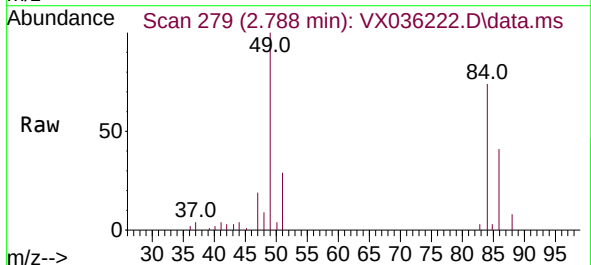
Instrument :
MSVOA_X
ClientSampleId :

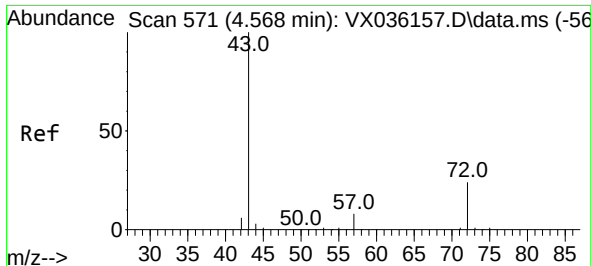
Tgt Ion: 43 Resp: 5282
Ion Ratio Lower Upper
43 100
74 22.8 17.8 26.8



#20
Methylene Chloride
Concen: 4.884 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX036222.D
Acq: 19 Jun 2023 21:33

Tgt Ion: 84 Resp: 8505
Ion Ratio Lower Upper
84 100
49 135.7 103.6 155.4
51 39.3 33.8 50.6
86 56.3 49.4 74.0

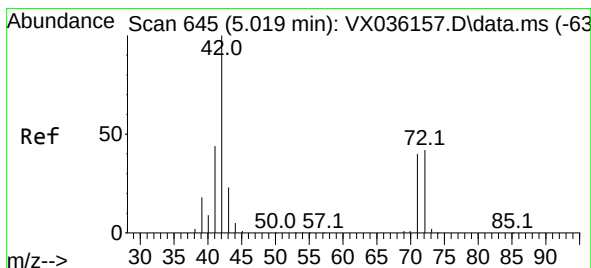
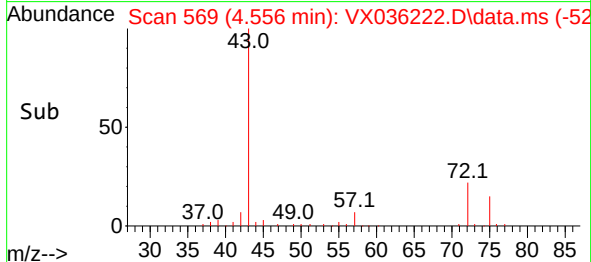
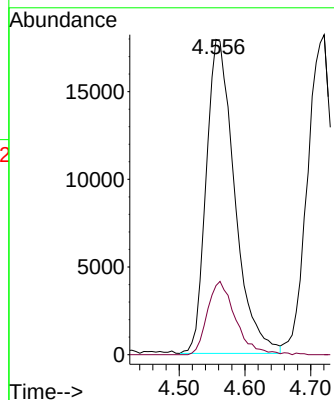
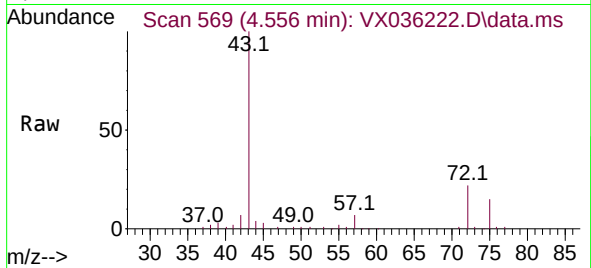




#25
2-Butanone
Concen: 40.096 ug/l
RT: 4.556 min Scan# 51
Delta R.T. -0.012 min
Lab File: VX036222.D
Acq: 19 Jun 2023 21:33

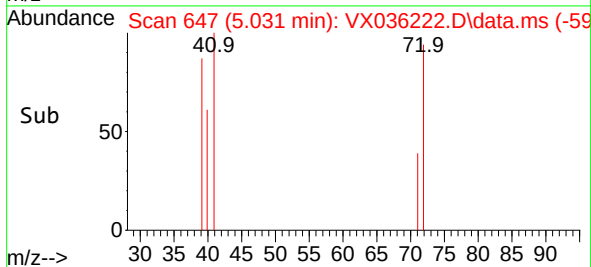
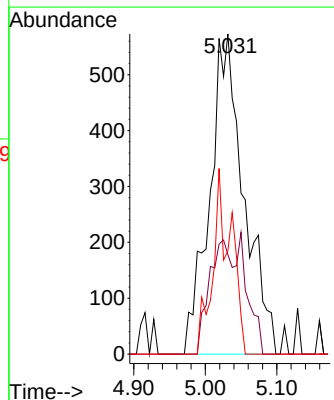
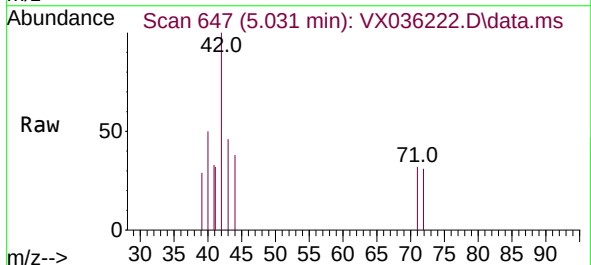
Instrument :
MSVOA_X
ClientSampleId :

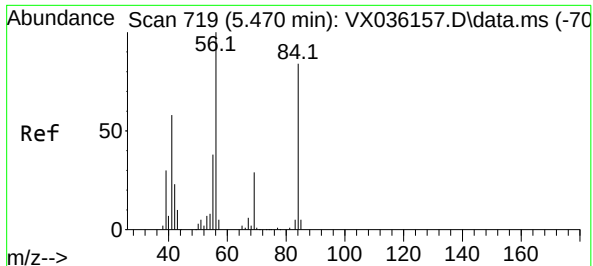
Tgt Ion: 43 Resp: 53949
Ion Ratio Lower Upper
43 100
72 22.0 19.4 29.2



#29
Tetrahydrofuran
Concen: 2.241 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.012 min
Lab File: VX036222.D
Acq: 19 Jun 2023 21:33

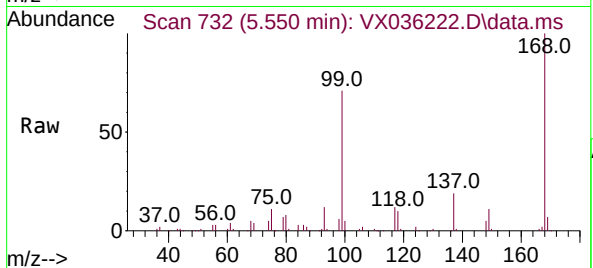
Tgt Ion: 42 Resp: 1915
Ion Ratio Lower Upper
42 100
72 23.0 34.2 51.4#
71 21.4 32.2 48.2#



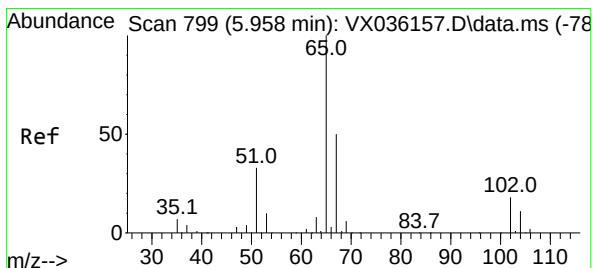
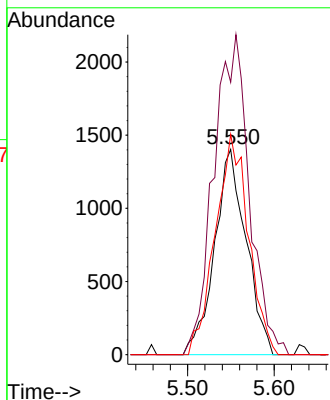
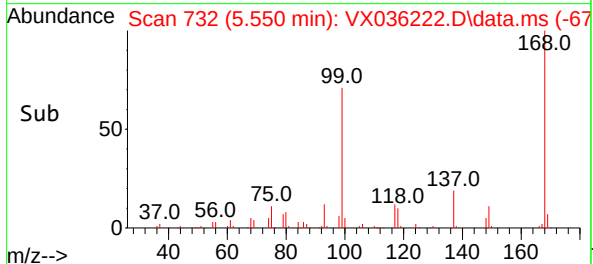


#31
Cyclohexane
Concen: 1.431 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX036222.D
Acq: 19 Jun 2023 21:33

Instrument :
MSVOA_X
ClientSampleId :

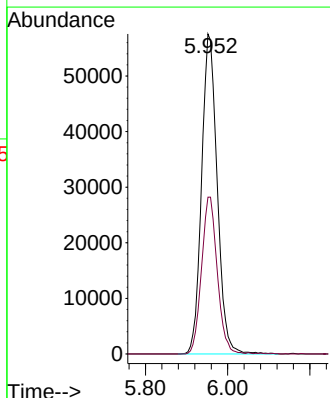
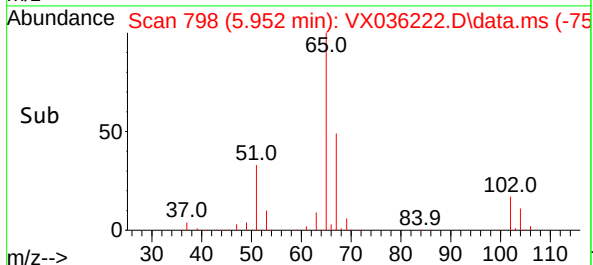
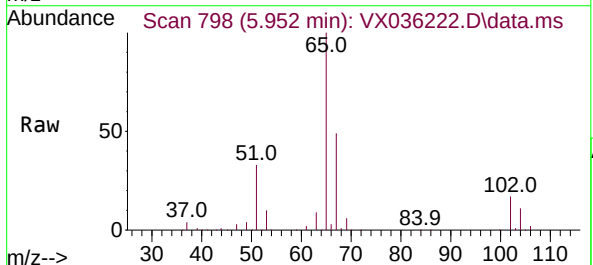


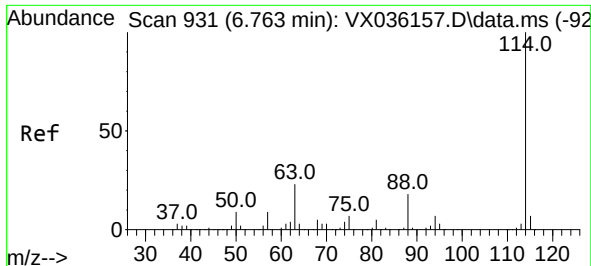
Tgt Ion: 56 Resp: 3551
Ion Ratio Lower Upper
56 100
69 132.7 23.4 35.2#
84 107.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 65.615 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX036222.D
Acq: 19 Jun 2023 21:33

Tgt Ion: 65 Resp: 151782
Ion Ratio Lower Upper
65 100
67 49.3 0.0 100.2

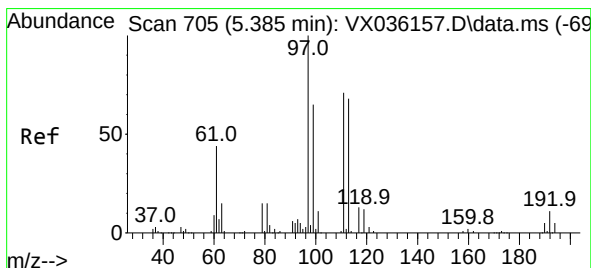
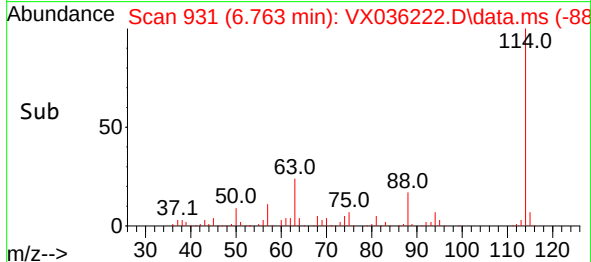
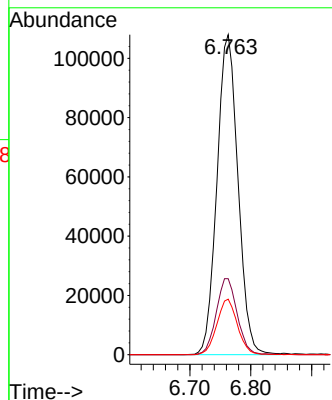
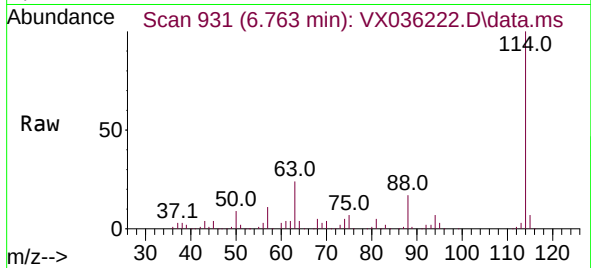




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX036222.D
Acq: 19 Jun 2023 21:33

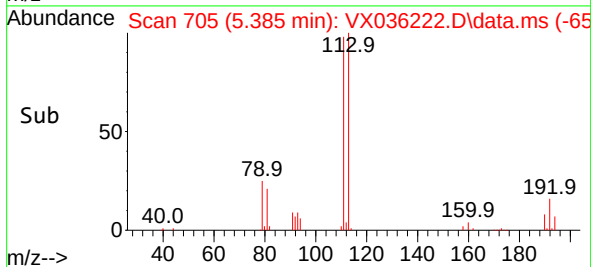
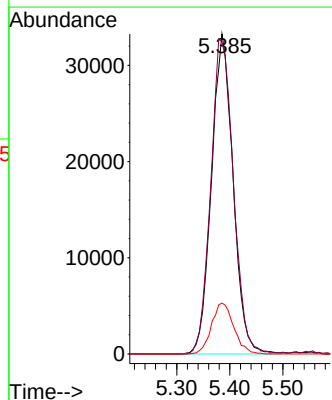
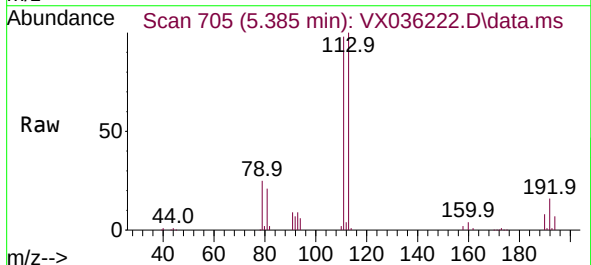
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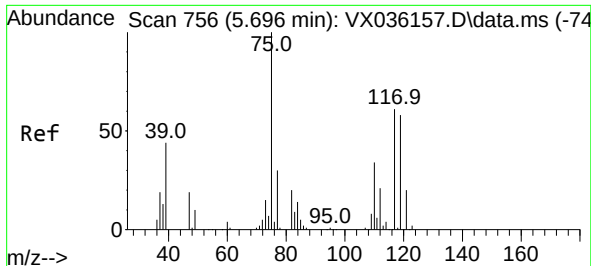
Tgt Ion:114 Resp: 258810
Ion Ratio Lower Upper
114 100
63 23.7 0.0 45.0
88 17.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 53.612 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036222.D
Acq: 19 Jun 2023 21:33

Tgt Ion:113 Resp: 94091
Ion Ratio Lower Upper
113 100
111 103.3 82.9 124.3
192 16.4 13.3 19.9

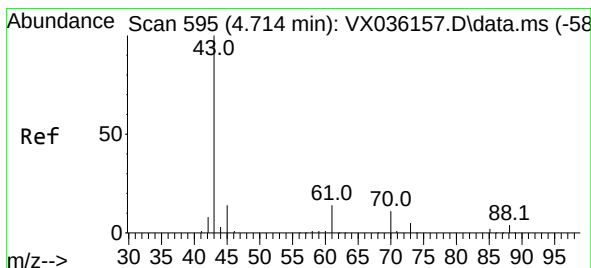
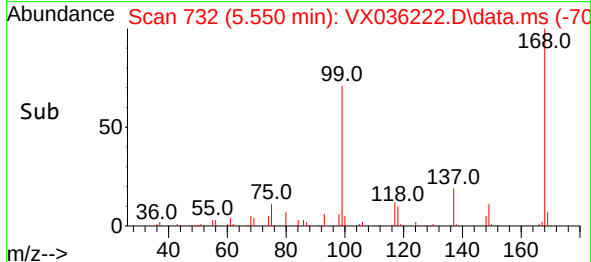
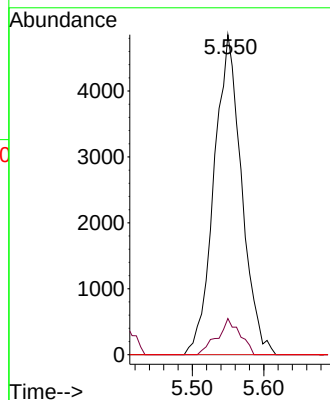
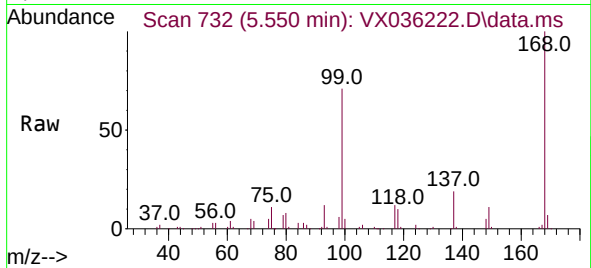




#36
1,1-Dichloropropene
Concen: 5.030 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX036222.D
Acq: 19 Jun 2023 21:33

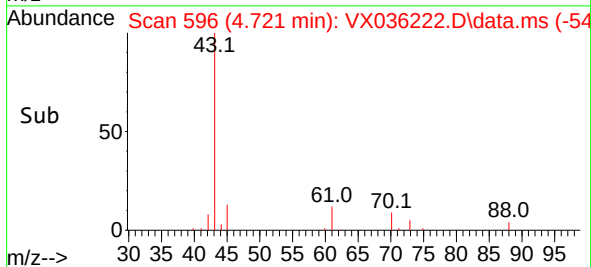
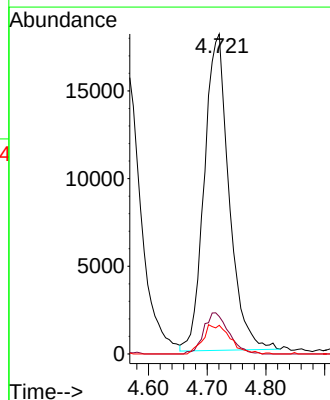
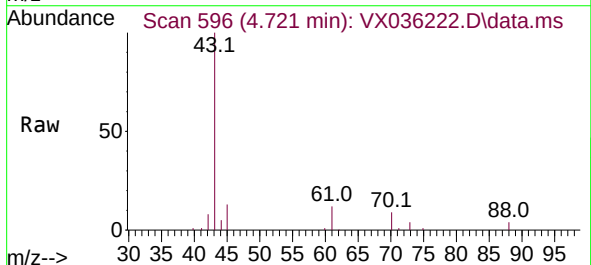
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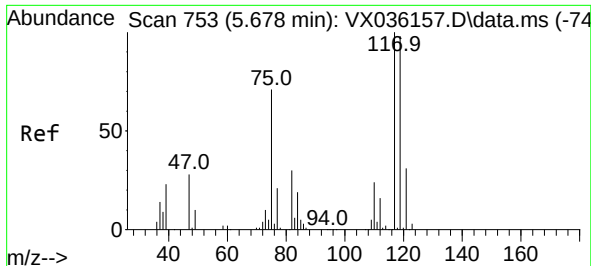
Tgt Ion: 75 Resp: 13005
Ion Ratio Lower Upper
75 100
110 9.3 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 17.524 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.007 min
Lab File: VX036222.D
Acq: 19 Jun 2023 21:33

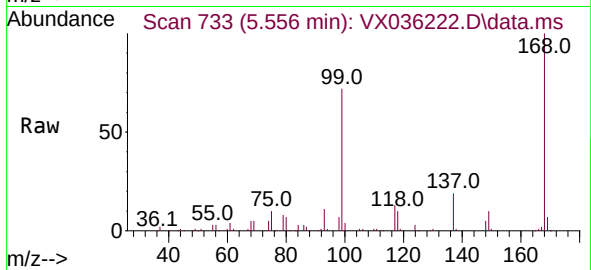
Tgt Ion: 43 Resp: 52783
Ion Ratio Lower Upper
43 100
61 13.1 10.6 16.0
70 10.1 8.3 12.5



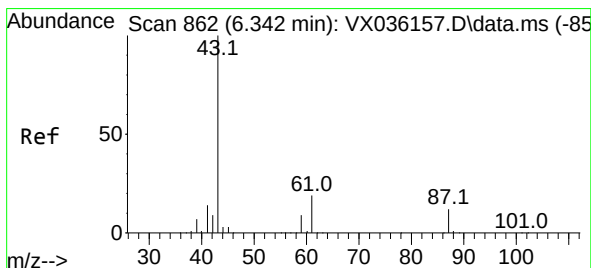
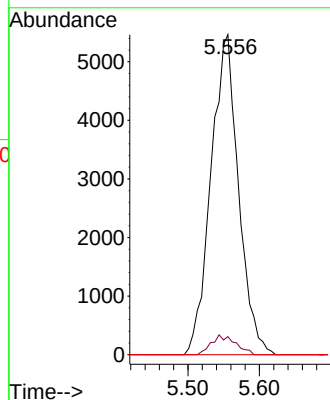
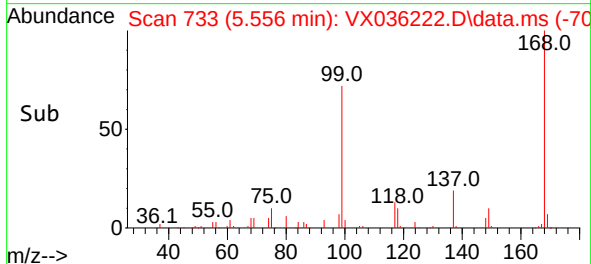


#38
Carbon Tetrachloride
Concen: 5.827 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX036222.D
Acq: 19 Jun 2023 21:33

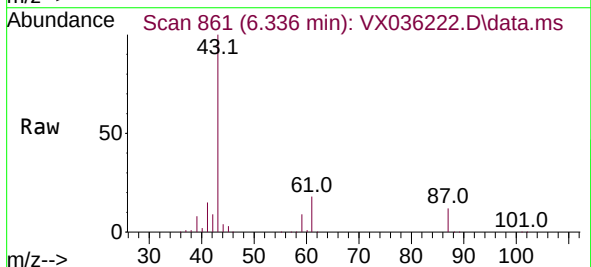
Instrument :
MSVOA_X
ClientSampleId :



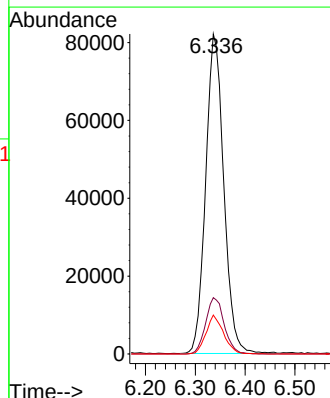
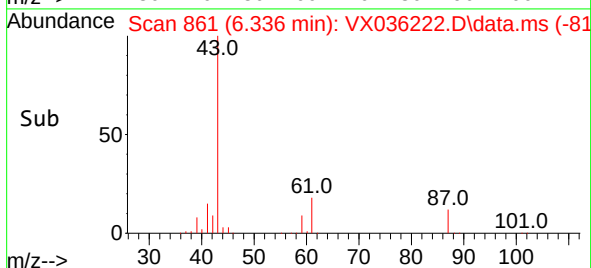
Tgt Ion:117 Resp: 14644
Ion Ratio Lower Upper
117 100
119 5.7 78.2 117.2#
121 0.0 24.4 36.6#

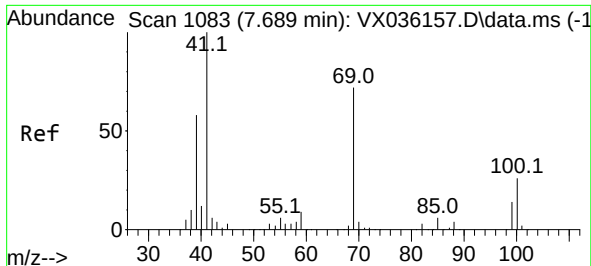


#43
Isopropyl Acetate
Concen: 44.819 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX036222.D
Acq: 19 Jun 2023 21:33



Tgt Ion: 43 Resp: 206594
Ion Ratio Lower Upper
43 100
61 18.1 15.2 22.8
87 11.8 9.8 14.6





#48

Methyl methacrylate

Concen: 78.308 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.110 min

Lab File: VX036222.D

Acq: 19 Jun 2023 21:33

Instrument :

MSVOA_X

ClientSampleId :

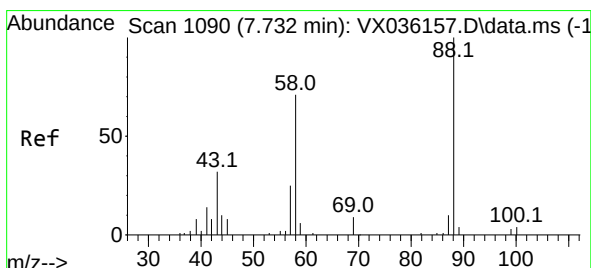
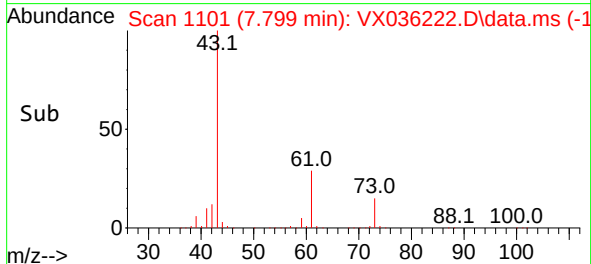
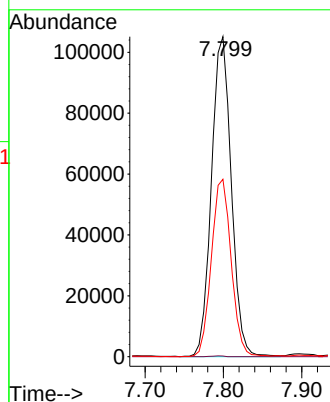
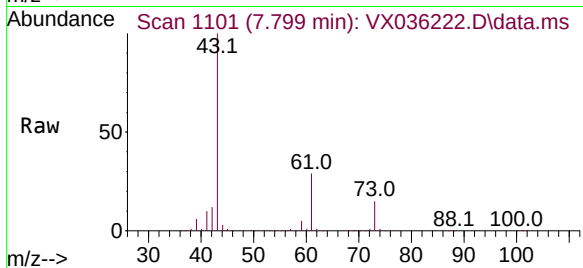
Tgt Ion: 41 Resp: 185194

Ion Ratio Lower Upper

41 100

69 0.1 59.2 88.8#

39 55.4 47.7 71.5



#49

1,4-Dioxane

Concen: 5.733 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.073 min

Lab File: VX036222.D

Acq: 19 Jun 2023 21:33

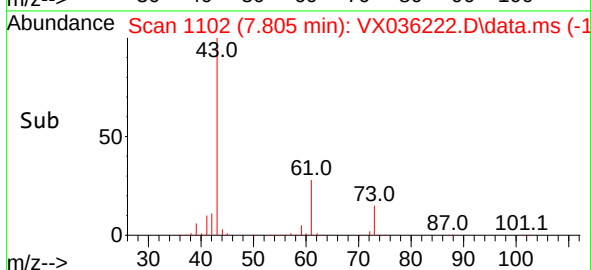
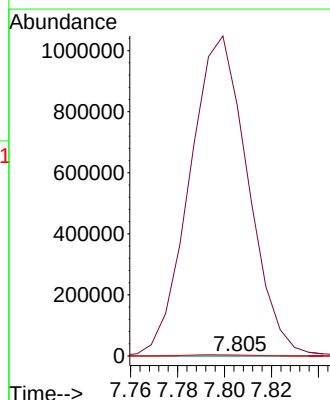
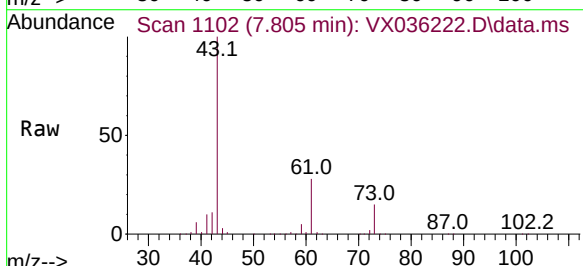
Tgt Ion: 88 Resp: 227

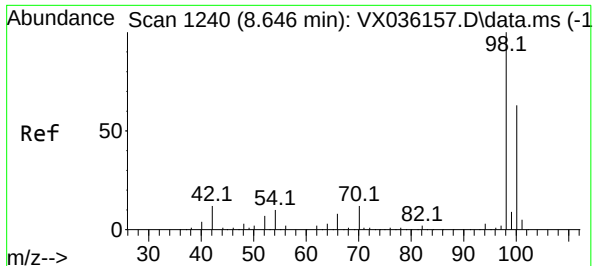
Ion Ratio Lower Upper

88 100

43 802209.7 0.0 0.0#

58 3315.9 60.1 90.1#

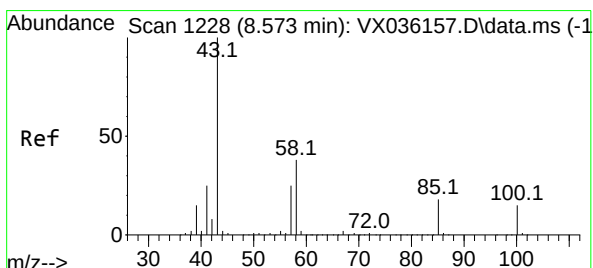
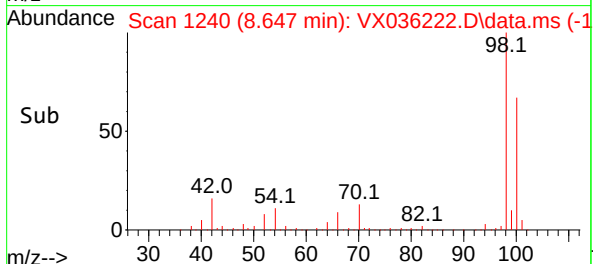
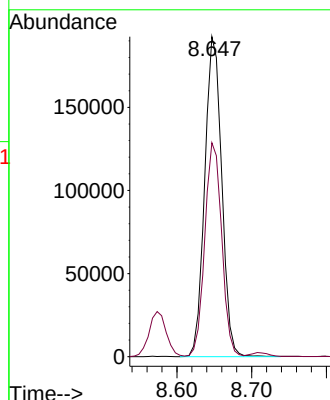
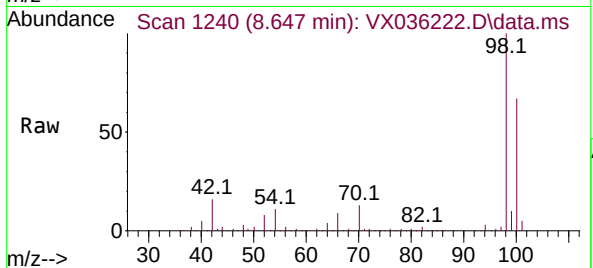




#50
Toluene-d8
Concen: 47.386 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX036222.D
Acq: 19 Jun 2023 21:33

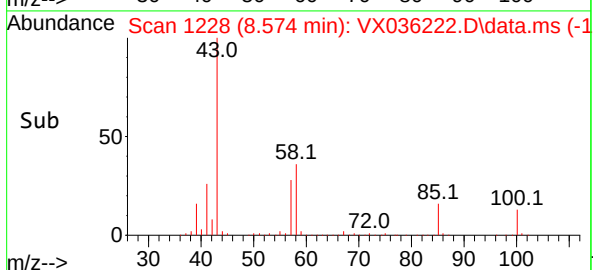
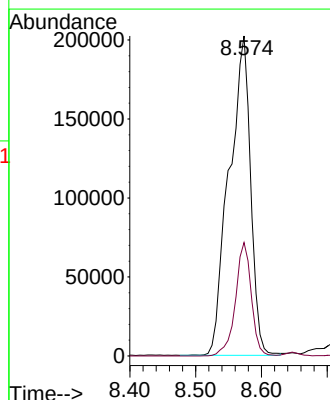
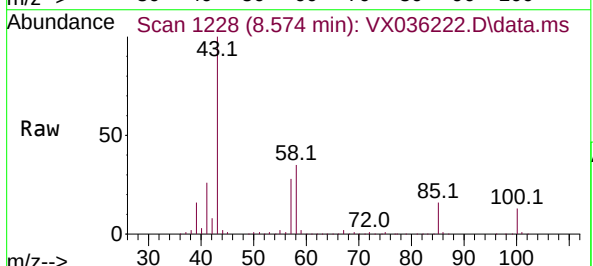
Instrument :
MSVOA_X
ClientSampleId :

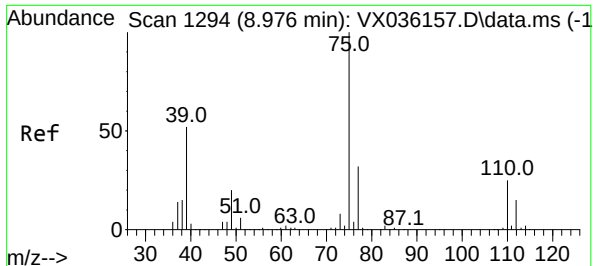
Tgt Ion: 98 Resp: 304207
Ion Ratio Lower Upper
98 100
100 66.0 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 158.076 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.001 min
Lab File: VX036222.D
Acq: 19 Jun 2023 21:33

Tgt Ion: 43 Resp: 460093
Ion Ratio Lower Upper
43 100
58 26.2 30.4 45.6#





#53

t-1,3-Dichloropropene

Concen: 0.472 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX036222.D

Acq: 19 Jun 2023 21:33

Instrument :

MSVOA_X

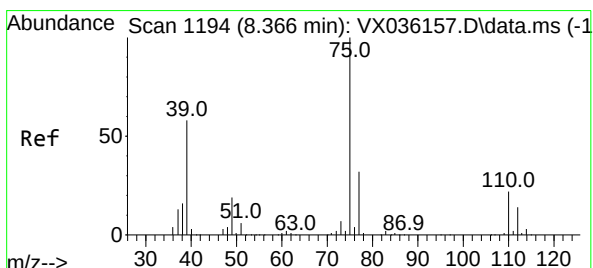
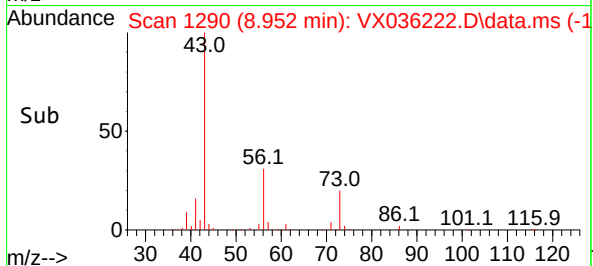
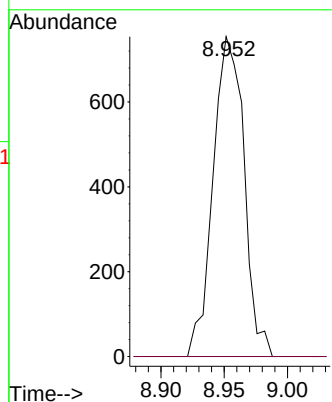
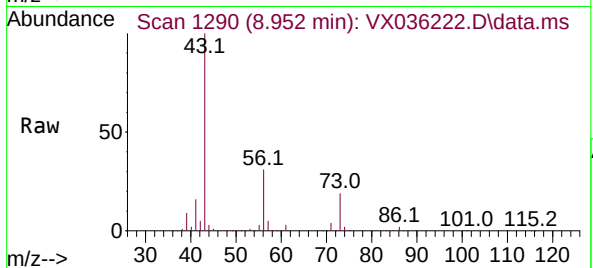
ClientSampleId :

Tgt Ion: 75 Resp: 1284

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#



#54

cis-1,3-Dichloropropene

Concen: 22.303 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX036222.D

Acq: 19 Jun 2023 21:33

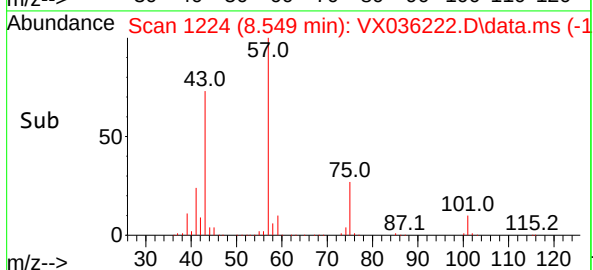
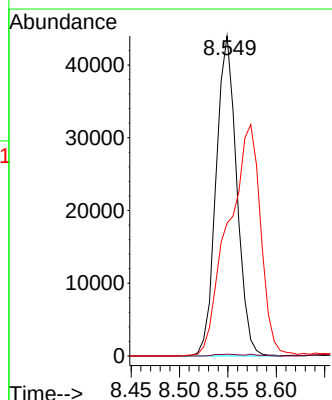
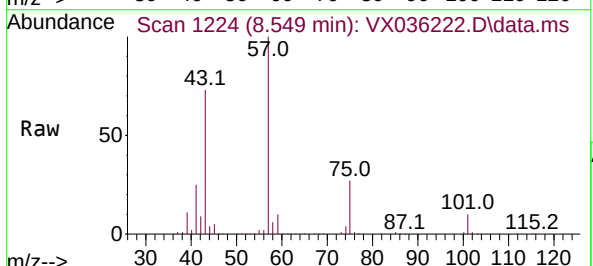
Tgt Ion: 75 Resp: 65120

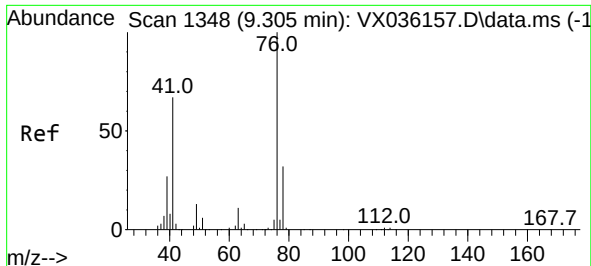
Ion Ratio Lower Upper

75 100

77 0.5 25.3 37.9#

39 41.5 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.576 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX036222.D

Acq: 19 Jun 2023 21:33

Instrument :

MSVOA_X

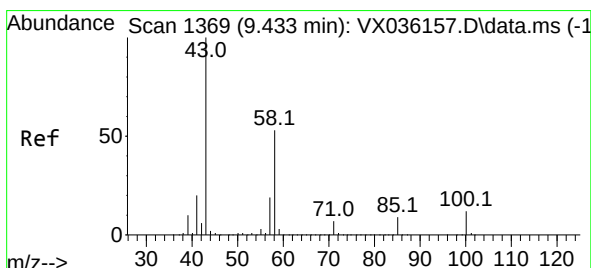
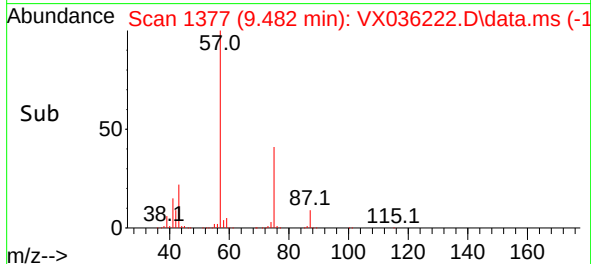
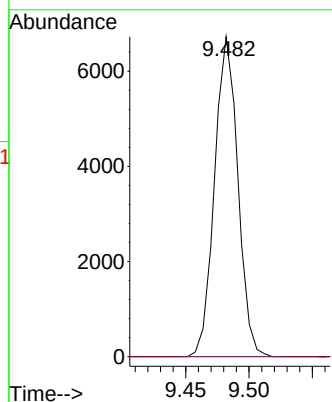
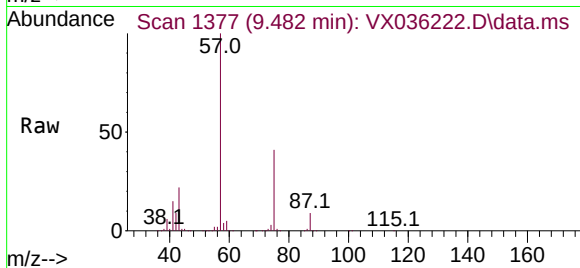
ClientSampleId :

Tgt Ion: 76 Resp: 8611

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 59.606 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX036222.D

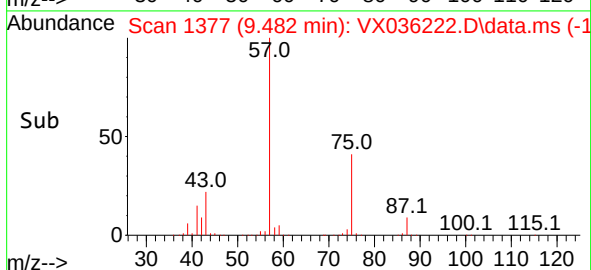
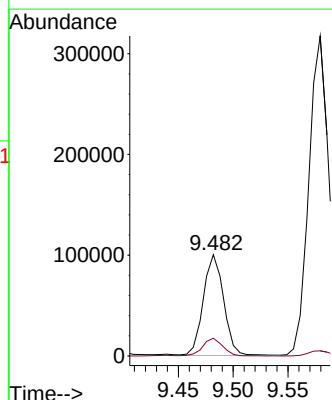
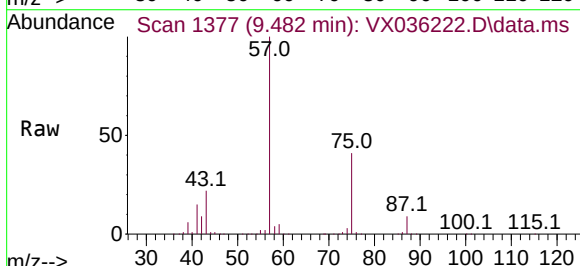
Acq: 19 Jun 2023 21:33

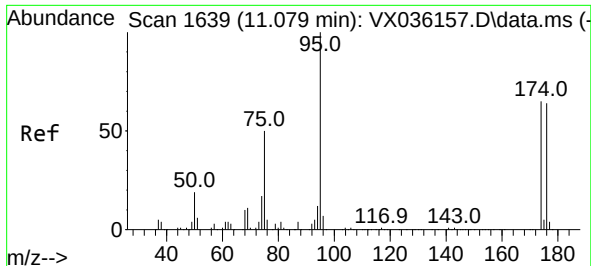
Tgt Ion: 43 Resp: 128979

Ion Ratio Lower Upper

43 100

58 17.5 26.2 78.5#

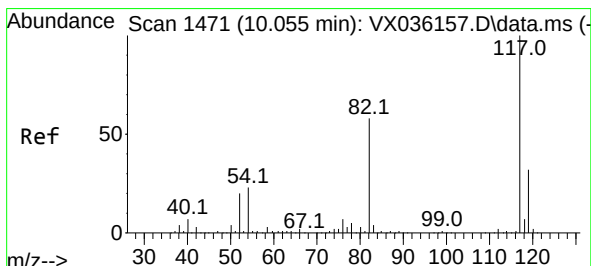
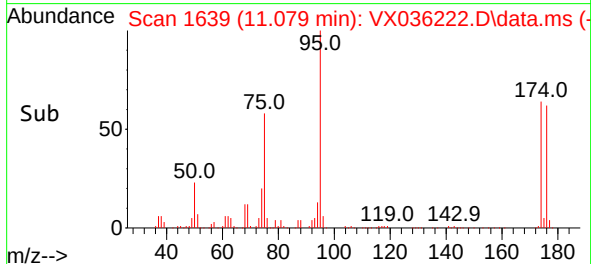
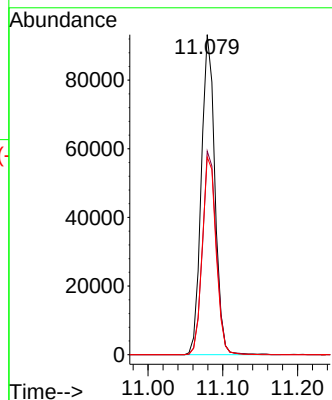
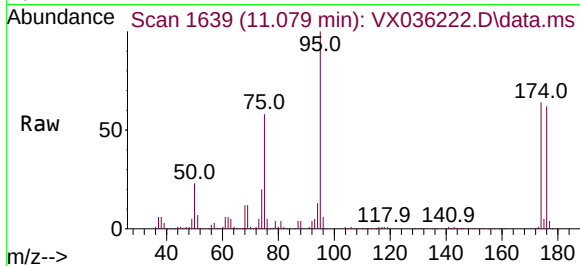




#62
4-Bromofluorobenzene
Concen: 45.336 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036222.D
Acq: 19 Jun 2023 21:33

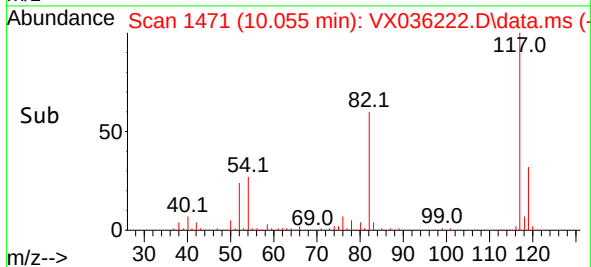
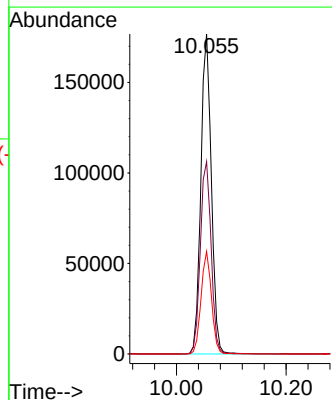
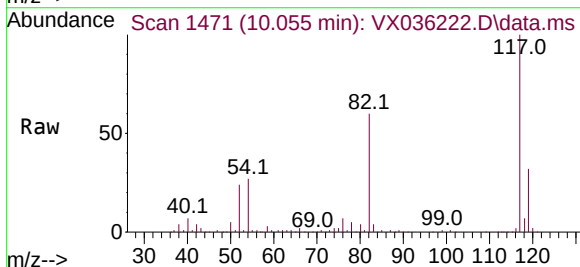
Instrument :
MSVOA_X
ClientSampleId :

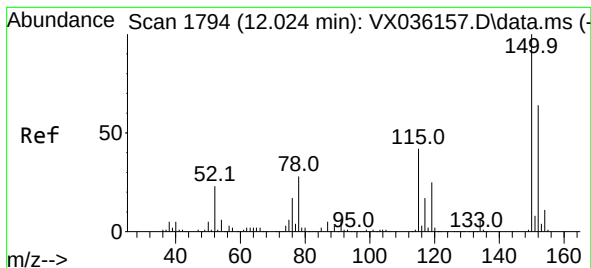
Tgt Ion: 95 Resp: 117483
Ion Ratio Lower Upper
95 100
174 64.6 0.0 135.6
176 62.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036222.D
Acq: 19 Jun 2023 21:33

Tgt Ion: 117 Resp: 235231
Ion Ratio Lower Upper
117 100
82 60.1 46.2 69.4
119 32.1 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX036222.D

Acq: 19 Jun 2023 21:33

Instrument :

MSVOA_X

ClientSampleId :

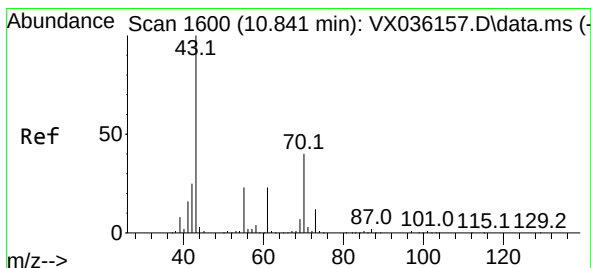
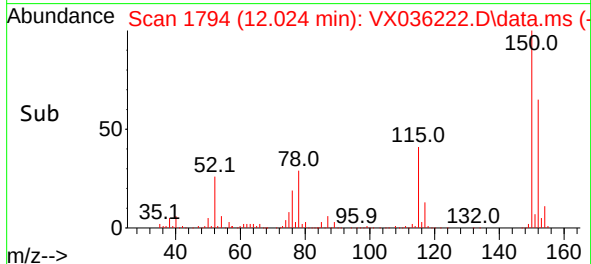
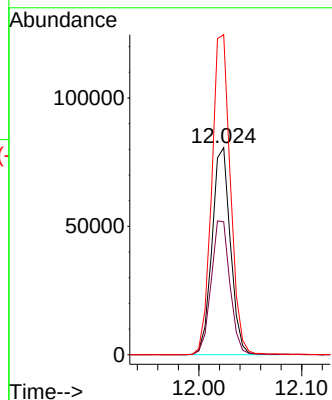
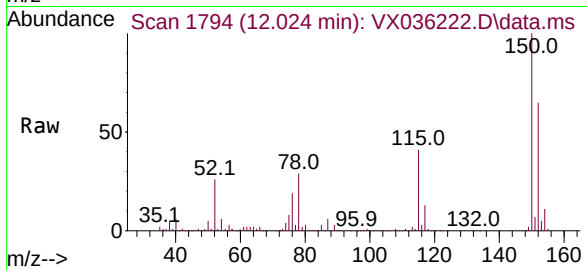
Tgt Ion:152 Resp: 100498

Ion Ratio Lower Upper

152 100

115 66.0 43.3 129.9

150 157.1 0.0 345.0



#74

N-ethyl acetate

Concen: 15.743 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX036222.D

Acq: 19 Jun 2023 21:33

Tgt Ion: 43 Resp: 53051

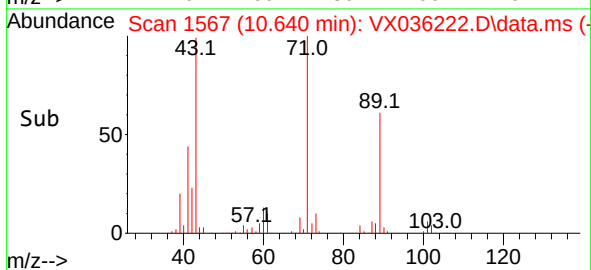
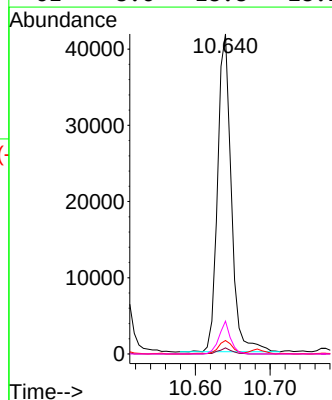
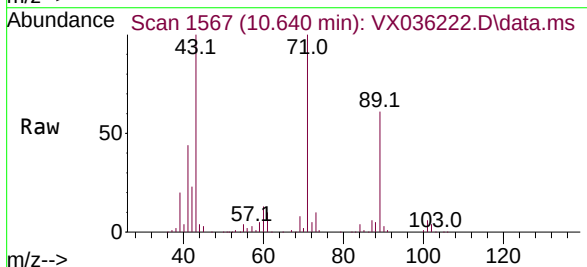
Ion Ratio Lower Upper

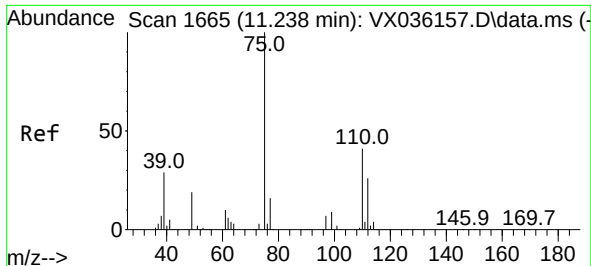
43 100

70 1.8 32.9 49.3#

55 4.6 19.3 28.9#

61 8.6 18.8 28.2#

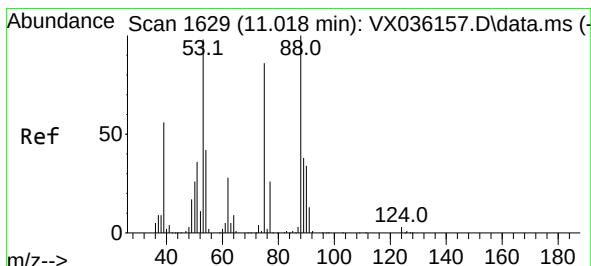
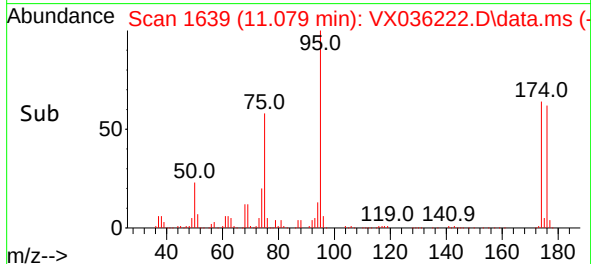
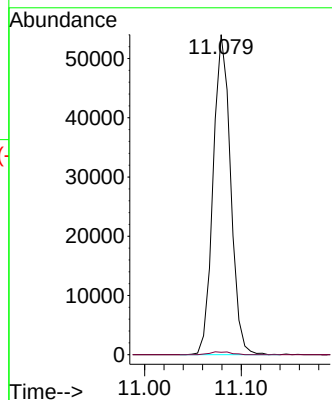
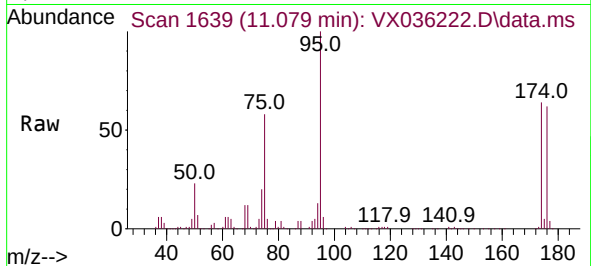




#76
1,2,3-Trichloropropane
Concen: 28.402 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX036222.D
Acq: 19 Jun 2023 21:33

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 67742
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.414 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036222.D
Acq: 19 Jun 2023 21:33

Tgt Ion: 75 Resp: 67742
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 36.9 55.3#

