

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061923\
 Data File : VX036215.D
 Acq On : 19 Jun 2023 18:49
 Operator : JC/MD
 Sample : PB153531ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB153531ZHE#03

Quant Time: Jun 20 03:46:58 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)

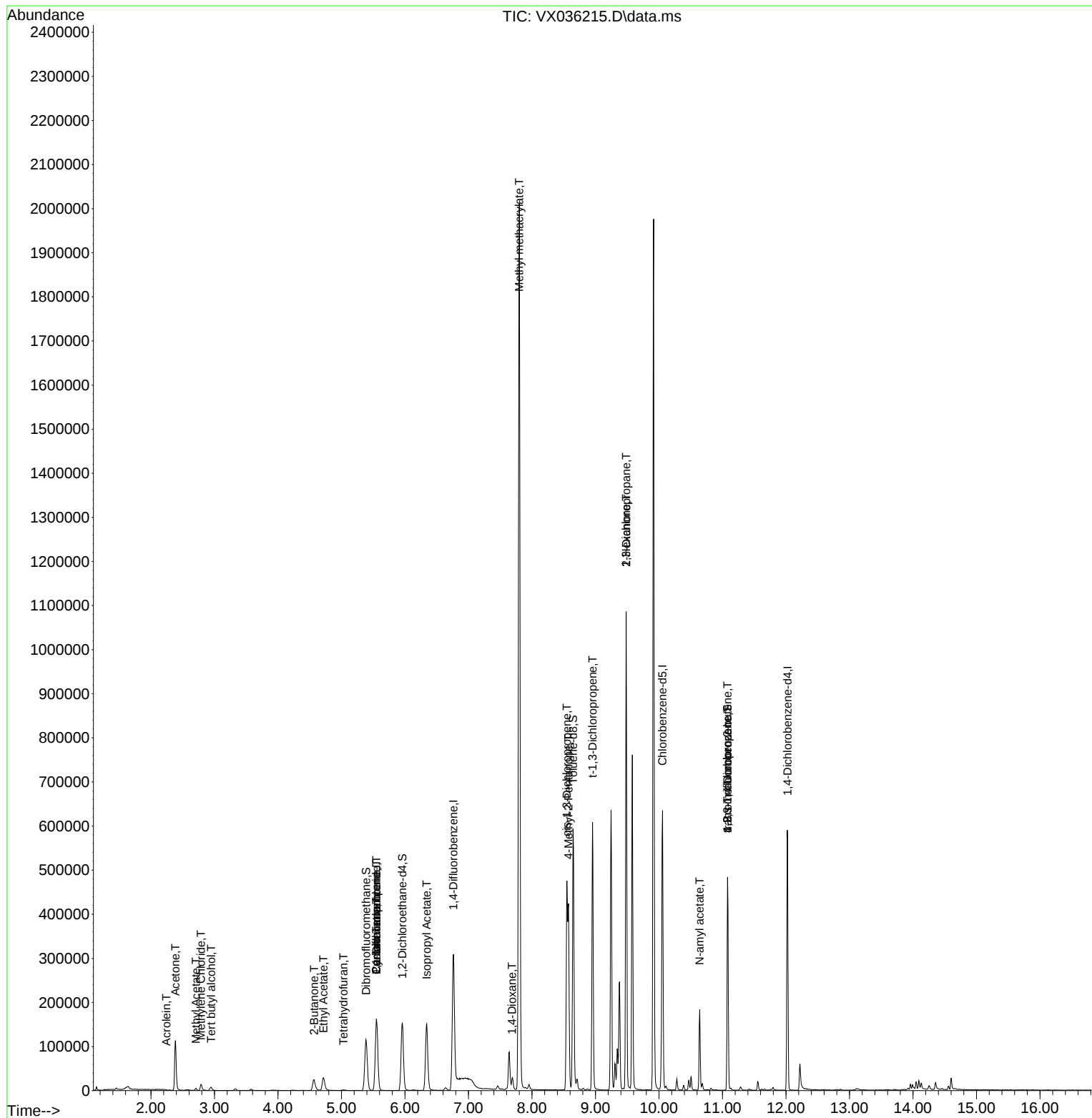
Internal Standards						
1) Pentafluorobenzene	5.550	168	133973	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	274088	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	256372	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	109346	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	157920	64.502	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 129.000%#		
35) Dibromofluoromethane	5.385	113	99186	53.365	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 106.720%		
50) Toluene-d8	8.647	98	331159	48.709	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 97.420%		
62) 4-Bromofluorobenzene	11.079	95	130275	47.470	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 94.940%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	5158	13.781	ug/l #	81
13) Acrolein	2.240	56	98	0.236	ug/l	95
16) Acetone	2.386	43	130319	128.118	ug/l	98
18) Methyl Acetate	2.709	43	5024	1.302	ug/l	94
20) Methylene Chloride	2.788	84	6827	3.704	ug/l	93
25) 2-Butanone	4.568	43	41112	28.870	ug/l	94
29) Tetrahydrofuran	5.032	42	1579	1.746	ug/l #	61
31) Cyclohexane	5.550	56	3795	1.445	ug/l #	40
36) 1,1-Dichloropropene	5.550	75	13478	4.923	ug/l #	50
37) Ethyl Acetate	4.715	43	52935	16.595	ug/l	99
38) Carbon Tetrachloride	5.550	117	15964	5.998	ug/l #	15
43) Isopropyl Acetate	6.342	43	209775	42.972	ug/l	98
48) Methyl methacrylate	7.799	41	188495	75.261	ug/l #	49
49) 1,4-Dioxane	7.684	88	19	0.453	ug/l #	1
51) 4-Methyl-2-Pentanone	8.574	43	384922	124.877	ug/l #	77
53) t-1,3-Dichloropropene	8.952	75	1159	0.402	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	64706	20.926	ug/l #	64
57) 1,3-Dichloropropane	9.482	76	8495	2.400	ug/l #	42
59) 2-Hexanone	9.482	43	130455	56.928	ug/l #	50
74) N-amyl acetate	10.640	43	50546	13.786	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	73085	28.163	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	73085	98.576	ug/l #	5

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

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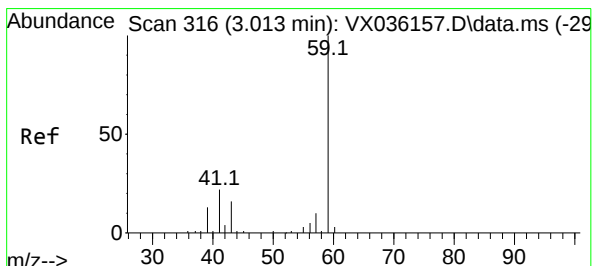
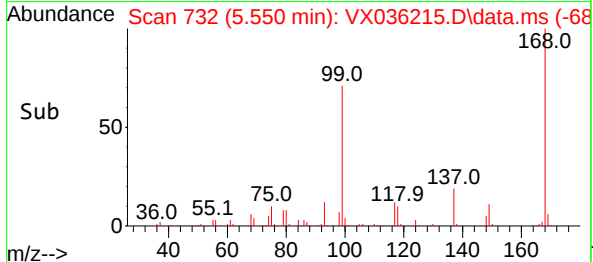
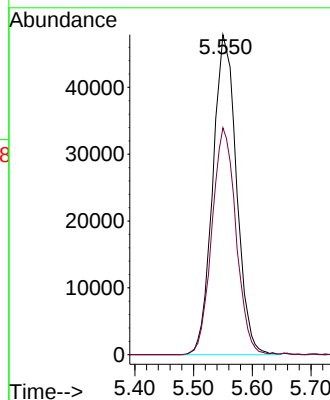
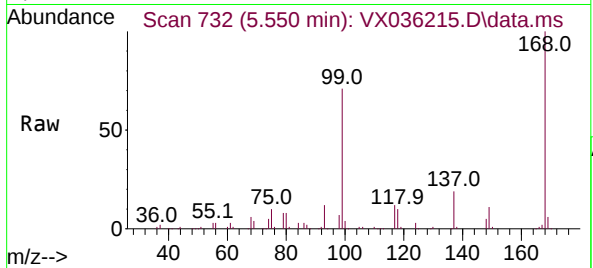




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX036215.D
Acq: 19 Jun 2023 18:49

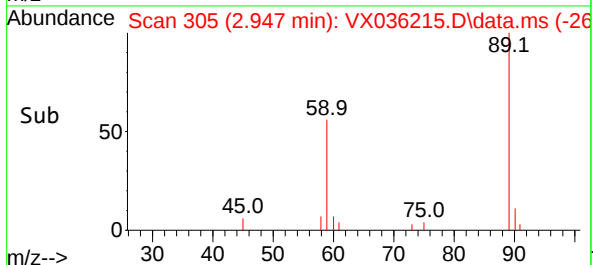
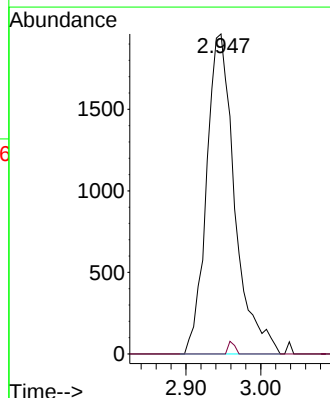
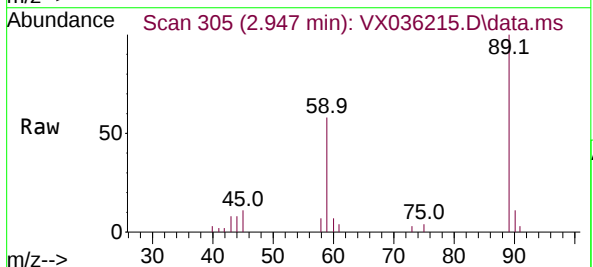
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#03

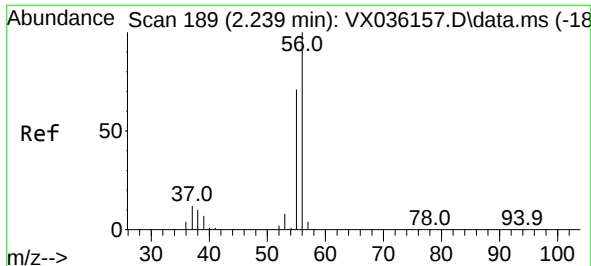
Tgt Ion:168 Resp: 133973
Ion Ratio Lower Upper
168 100
99 70.9 56.6 85.0



#11
Tert butyl alcohol
Concen: 13.781 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.066 min
Lab File: VX036215.D
Acq: 19 Jun 2023 18:49

Tgt Ion: 59 Resp: 5158
Ion Ratio Lower Upper
59 100
57 0.9 6.0 9.0#





#13

Acrolein

Concen: 0.236 ug/l

RT: 2.240 min Scan# 11

Delta R.T. 0.001 min

Lab File: VX036215.D

Acq: 19 Jun 2023 18:49

Instrument :

MSVOA_X

ClientSampleId :

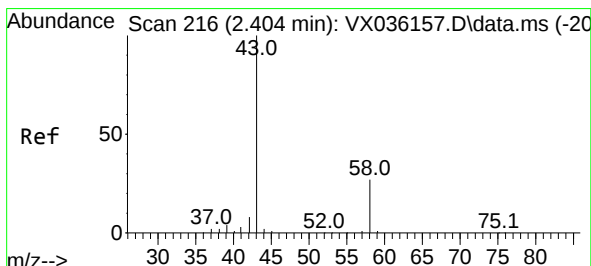
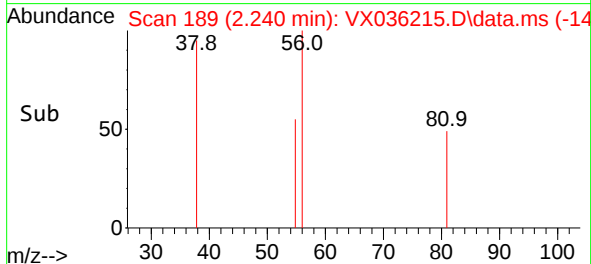
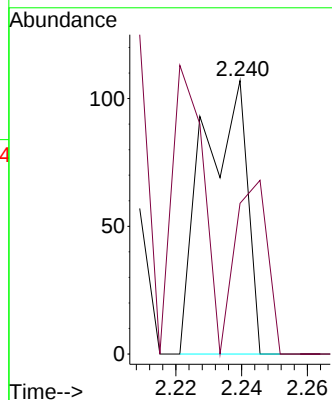
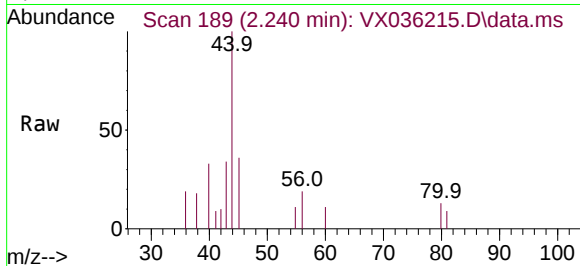
PB153531ZHE#03

Tgt Ion: 56 Resp: 98

Ion Ratio Lower Upper

56 100

55 75.5 57.1 85.7



#16

Acetone

Concen: 128.118 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.018 min

Lab File: VX036215.D

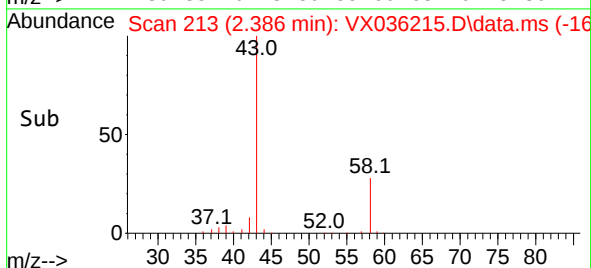
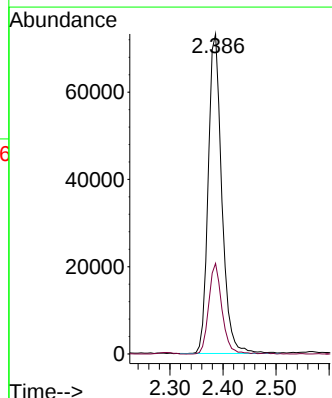
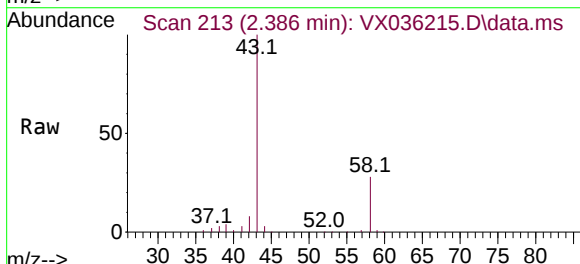
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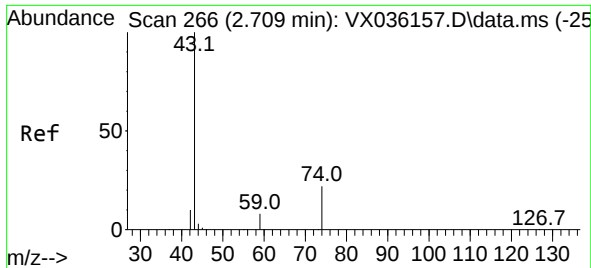
Tgt Ion: 43 Resp: 130319

Ion Ratio Lower Upper

43 100

58 28.4 21.9 32.9

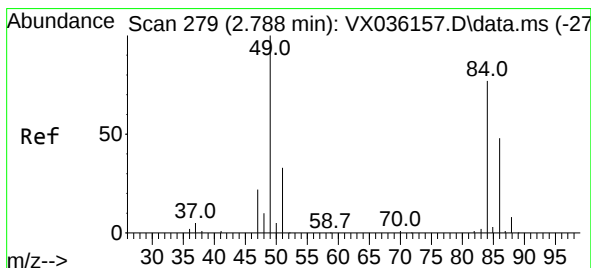
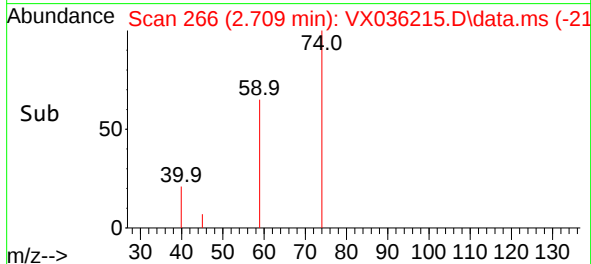
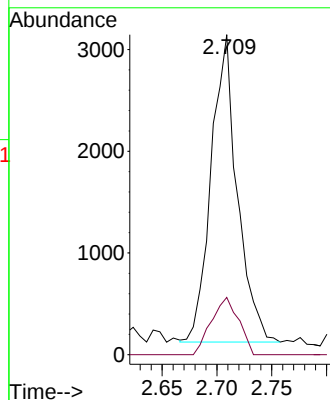
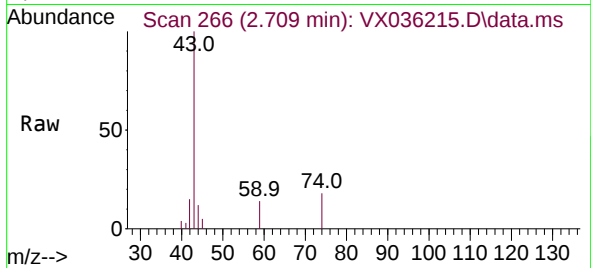




#18
Methyl Acetate
Concen: 1.302 ug/l
RT: 2.709 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX036215.D
Acq: 19 Jun 2023 18:49

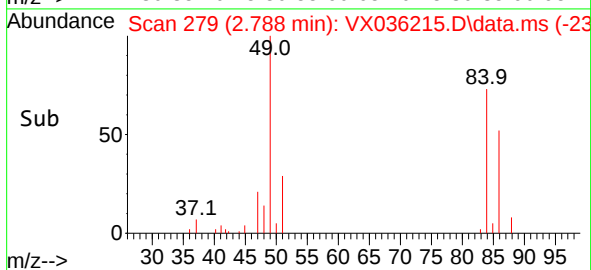
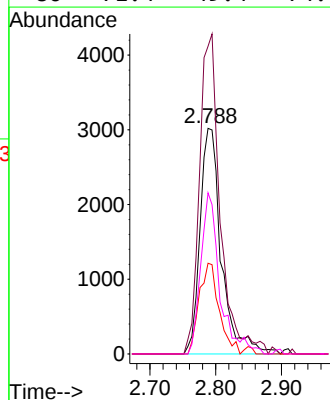
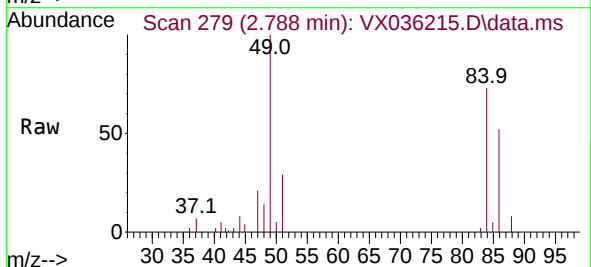
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#03

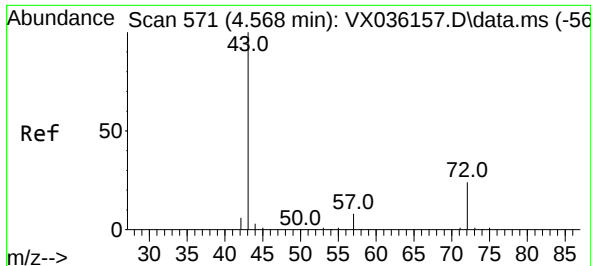
Tgt Ion: 43 Resp: 5024
Ion Ratio Lower Upper
43 100
74 19.4 17.8 26.8



#20
Methylene Chloride
Concen: 3.704 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX036215.D
Acq: 19 Jun 2023 18:49

Tgt Ion: 84 Resp: 6827
Ion Ratio Lower Upper
84 100
49 136.4 103.6 155.4
51 40.2 33.8 50.6
86 71.4 49.4 74.0

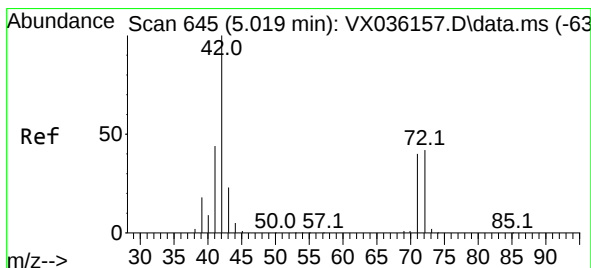
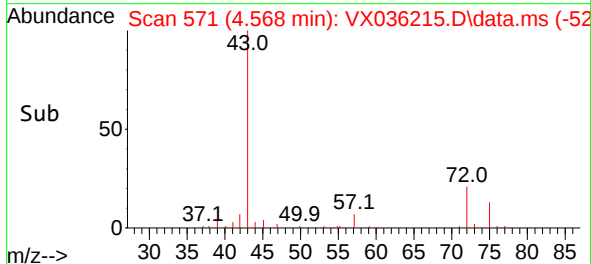
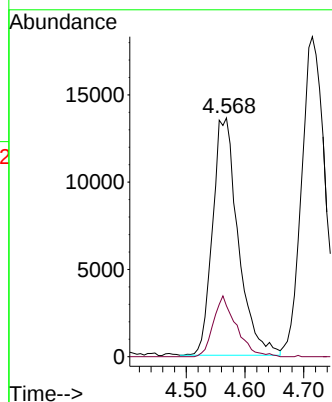
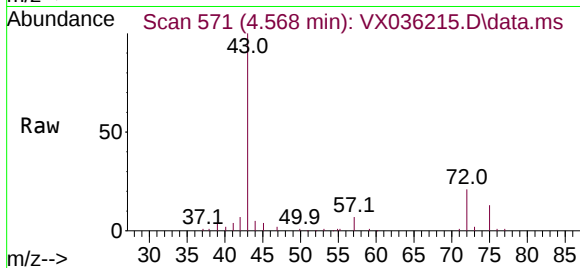




#25
2-Butanone
Concen: 28.870 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX036215.D
Acq: 19 Jun 2023 18:49

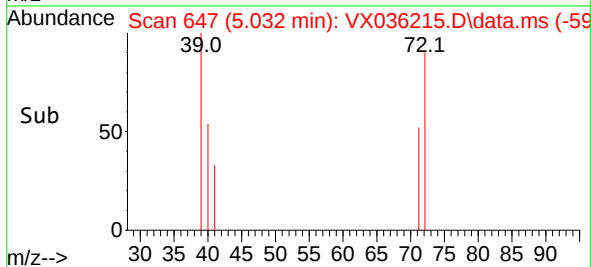
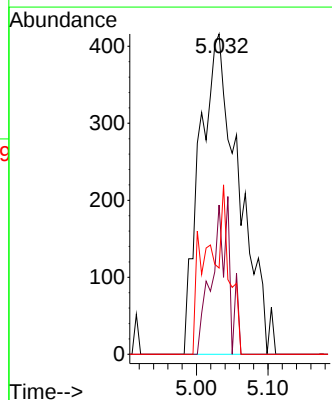
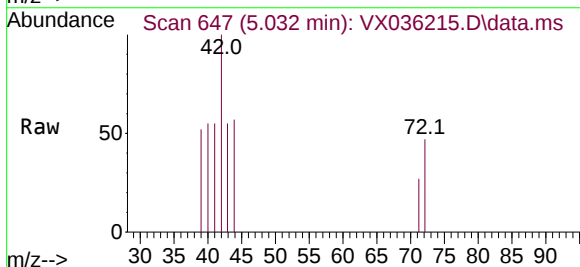
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#03

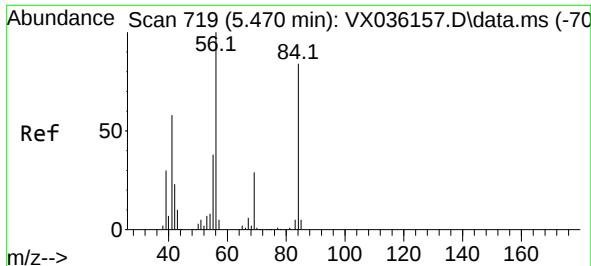
Tgt Ion: 43 Resp: 41112
Ion Ratio Lower Upper
43 100
72 21.5 19.4 29.2



#29
Tetrahydrofuran
Concen: 1.746 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.013 min
Lab File: VX036215.D
Acq: 19 Jun 2023 18:49

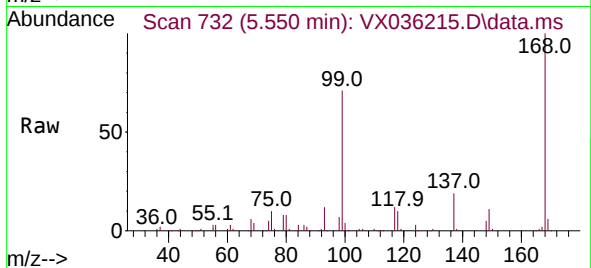
Tgt Ion: 42 Resp: 1579
Ion Ratio Lower Upper
42 100
72 21.8 34.2 51.4#
71 11.5 32.2 48.2#



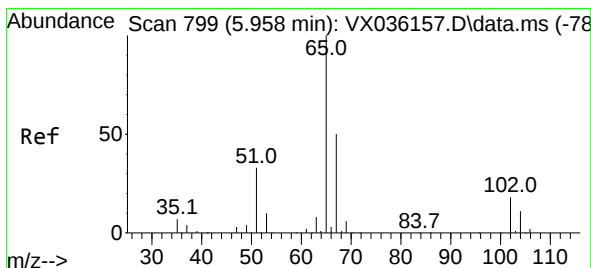
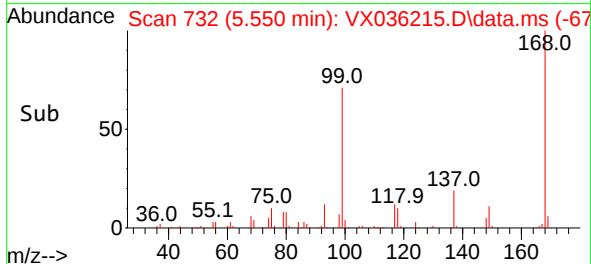
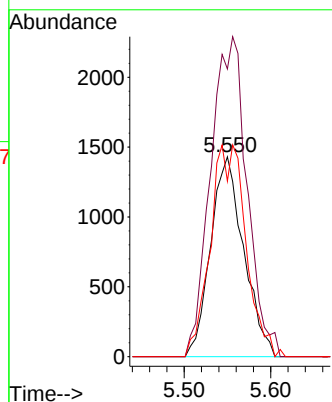


#31
Cyclohexane
Concen: 1.445 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX036215.D
Acq: 19 Jun 2023 18:49

Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#03

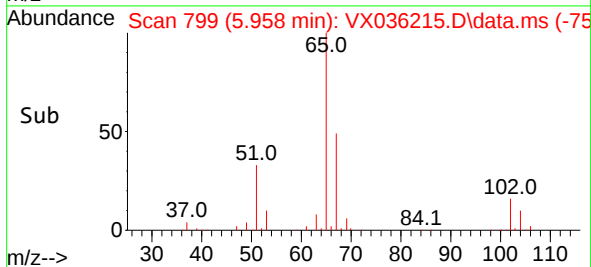
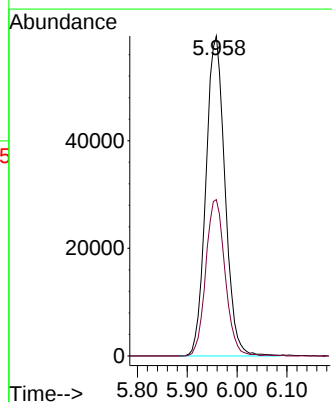
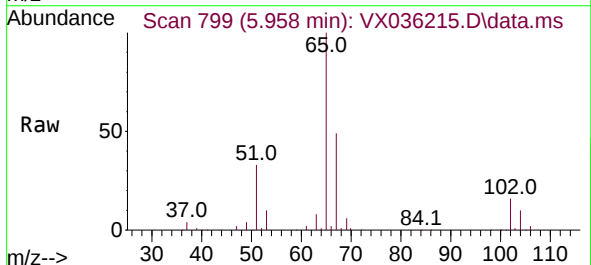


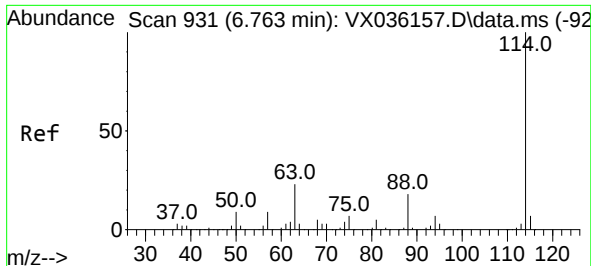
Tgt Ion: 56 Resp: 3795
Ion Ratio Lower Upper
56 100
69 144.0 23.4 35.2#
84 87.8 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 64.502 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX036215.D
Acq: 19 Jun 2023 18:49

Tgt Ion: 65 Resp: 157920
Ion Ratio Lower Upper
65 100
67 49.5 0.0 100.2

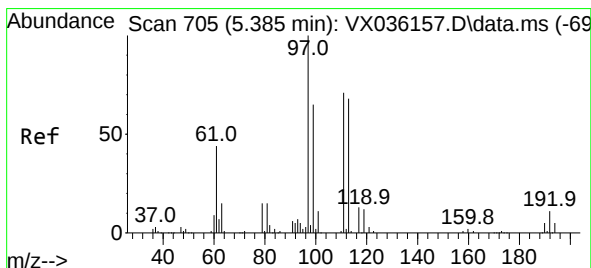
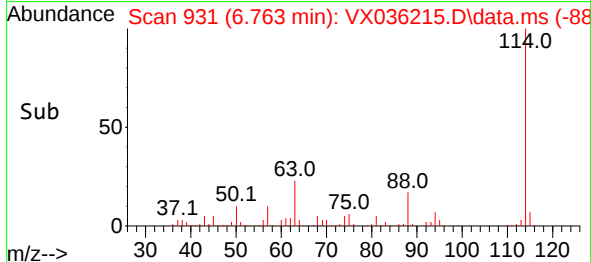
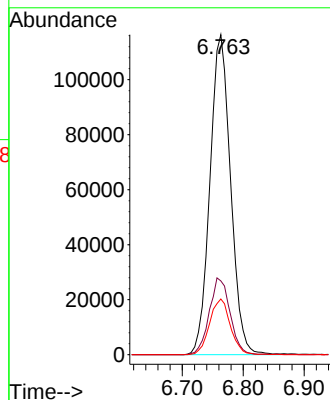
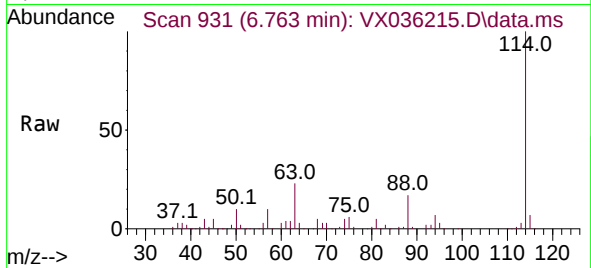




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX036215.D
Acq: 19 Jun 2023 18:49

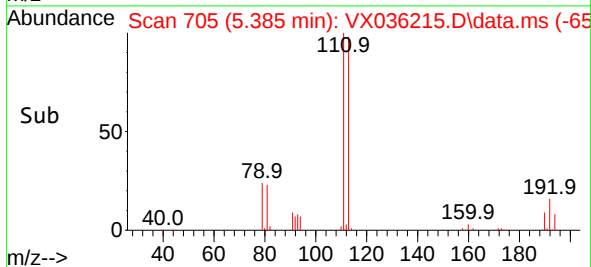
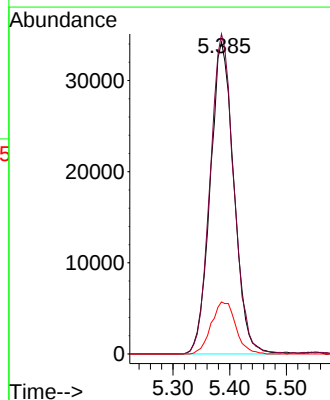
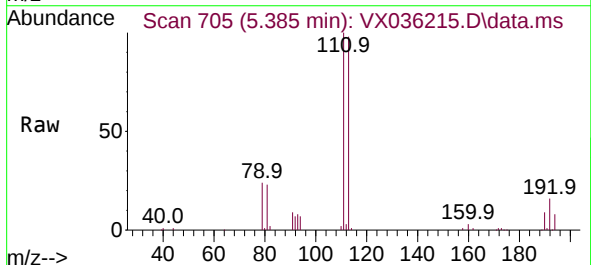
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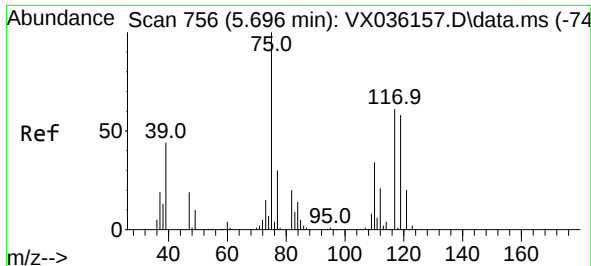
Tgt Ion:114 Resp: 274088
Ion Ratio Lower Upper
114 100
63 23.0 0.0 45.0
88 17.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 53.365 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036215.D
Acq: 19 Jun 2023 18:49

Tgt Ion:113 Resp: 99186
Ion Ratio Lower Upper
113 100
111 102.6 82.9 124.3
192 17.2 13.3 19.9

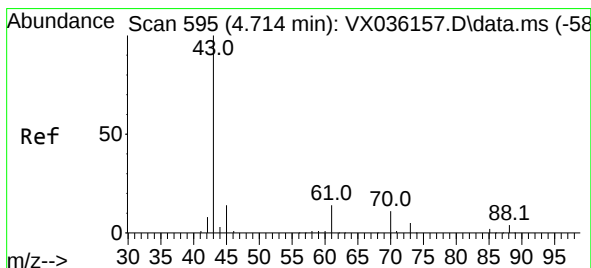
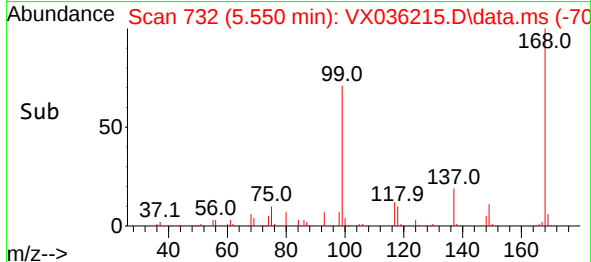
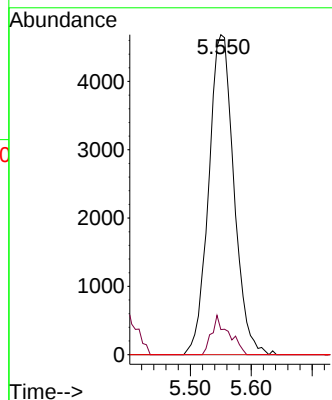
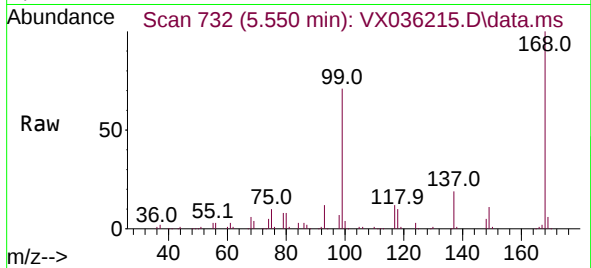




#36
1,1-Dichloropropene
Concen: 4.923 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX036215.D
Acq: 19 Jun 2023 18:49

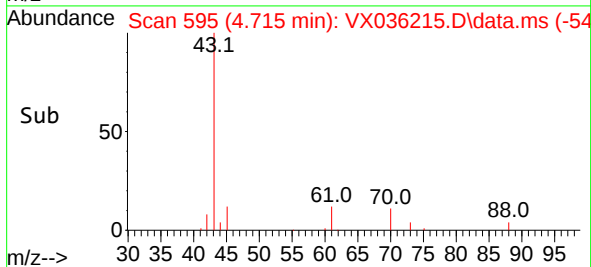
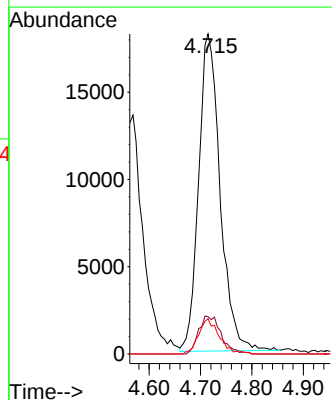
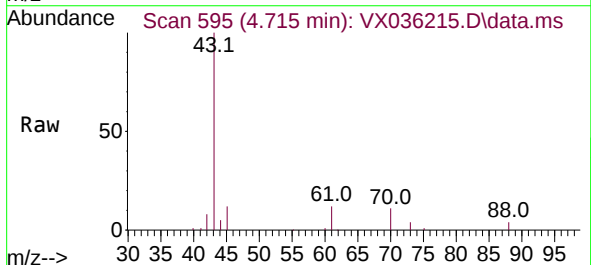
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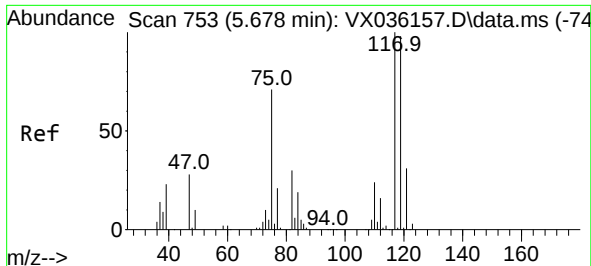
Tgt Ion: 75 Resp: 13478
Ion Ratio Lower Upper
75 100
110 8.3 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 16.595 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.001 min
Lab File: VX036215.D
Acq: 19 Jun 2023 18:49

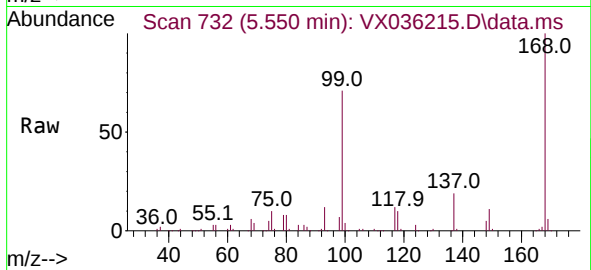
Tgt Ion: 43 Resp: 52935
Ion Ratio Lower Upper
43 100
61 12.5 10.6 16.0
70 10.6 8.3 12.5



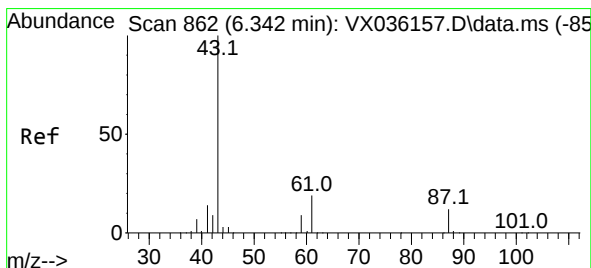
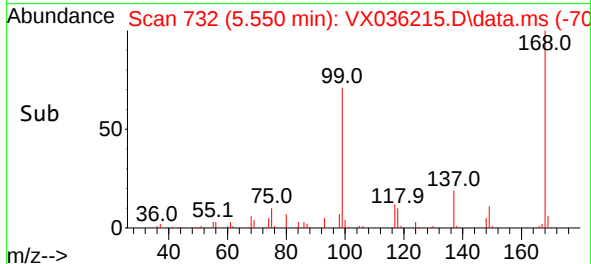
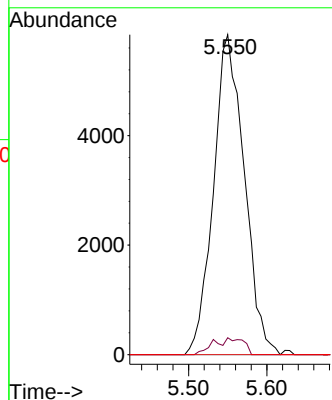


#38
Carbon Tetrachloride
Concen: 5.998 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX036215.D
Acq: 19 Jun 2023 18:49

Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#03

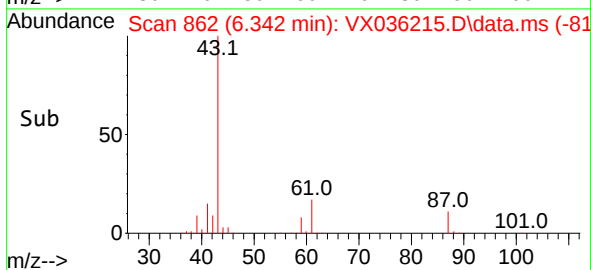
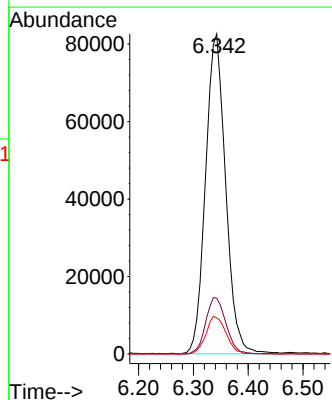
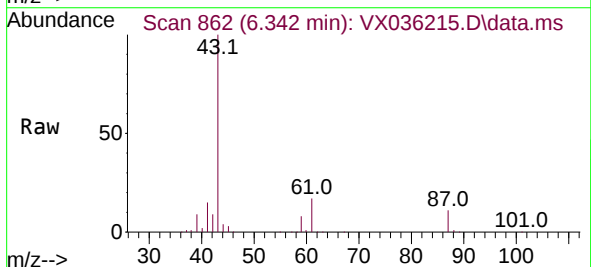


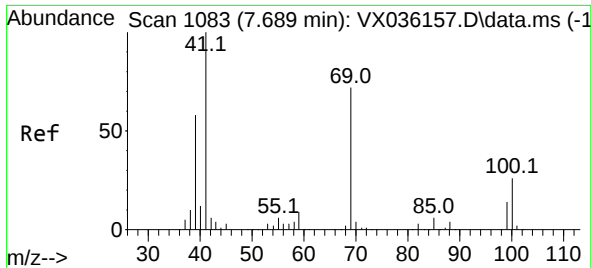
Tgt Ion:117 Resp: 15964
Ion Ratio Lower Upper
117 100
119 5.3 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 42.972 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX036215.D
Acq: 19 Jun 2023 18:49

Tgt Ion: 43 Resp: 209775
Ion Ratio Lower Upper
43 100
61 17.8 15.2 22.8
87 11.7 9.8 14.6

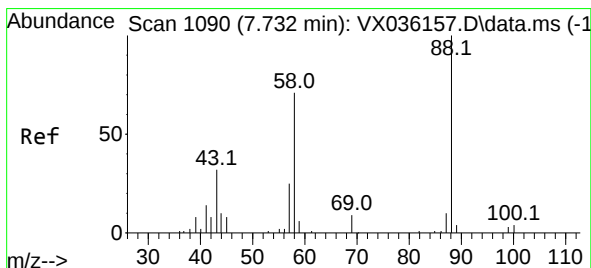
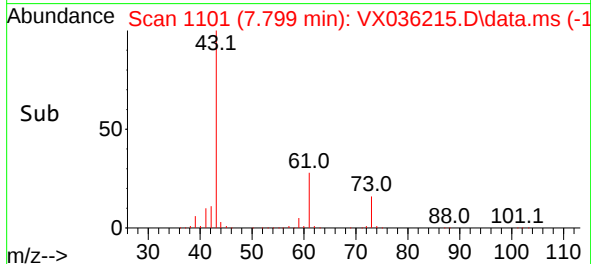
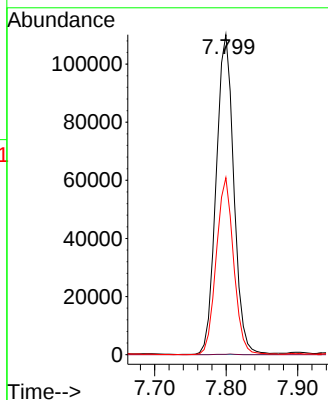
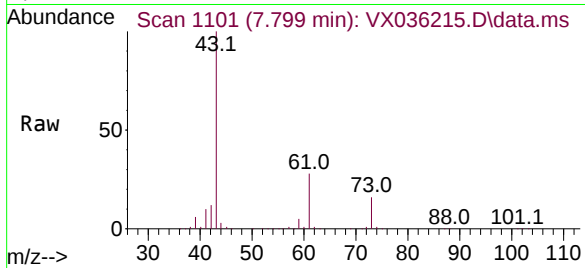




#48
Methyl methacrylate
Concen: 75.261 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036215.D
Acq: 19 Jun 2023 18:49

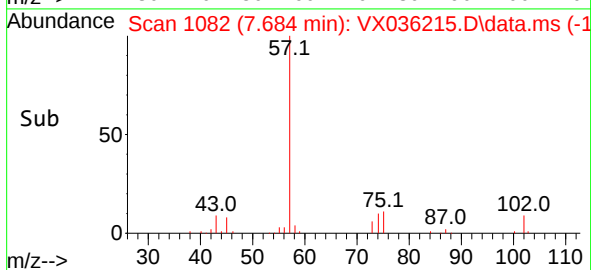
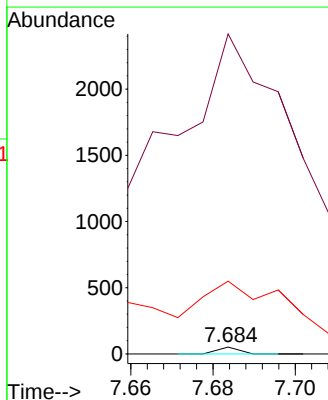
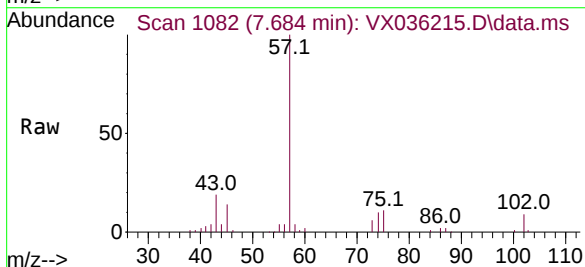
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#03

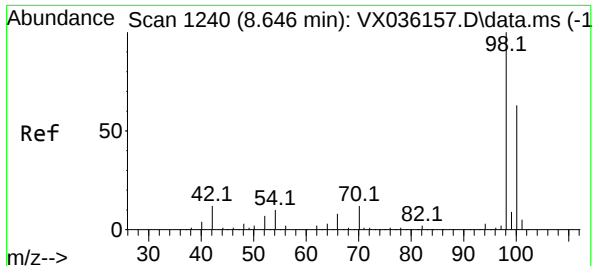
Tgt Ion: 41 Resp: 188495
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 54.7 47.7 71.5



#49
1,4-Dioxane
Concen: 0.453 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. -0.048 min
Lab File: VX036215.D
Acq: 19 Jun 2023 18:49

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 5063.2 60.1 90.1#

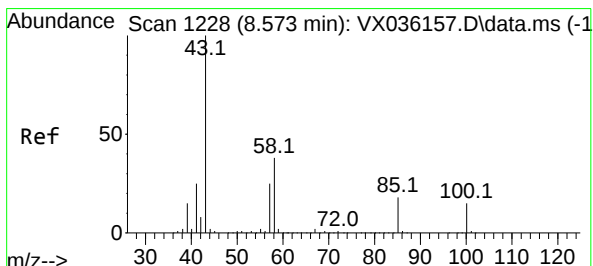
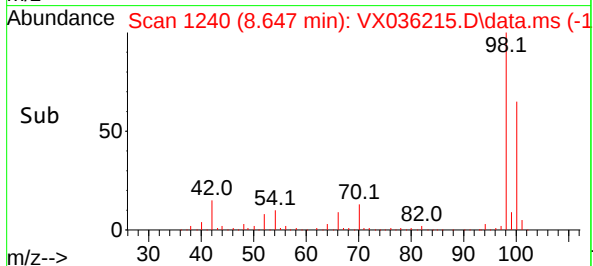
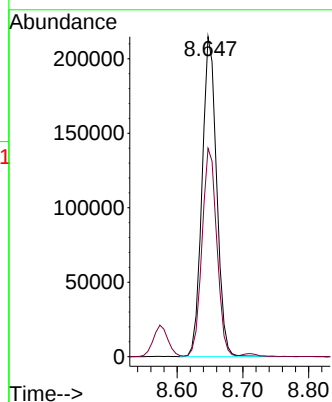
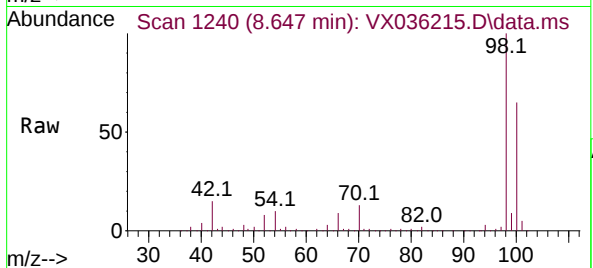




#50
Toluene-d8
Concen: 48.709 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX036215.D
Acq: 19 Jun 2023 18:49

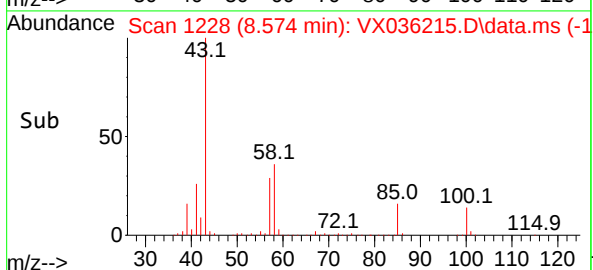
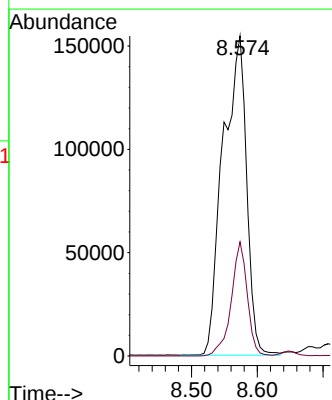
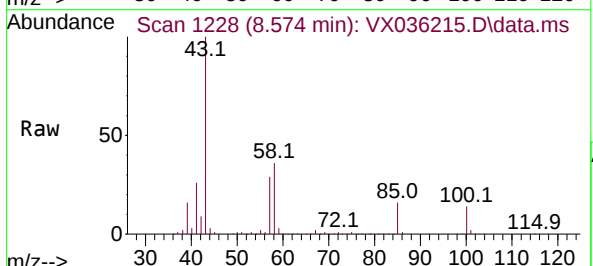
Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#03

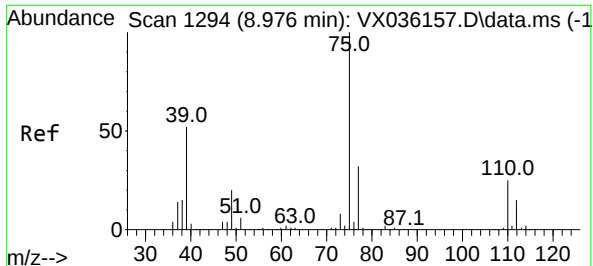
Tgt Ion: 98 Resp: 331159
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 124.877 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.001 min
Lab File: VX036215.D
Acq: 19 Jun 2023 18:49

Tgt Ion: 43 Resp: 384922
Ion Ratio Lower Upper
43 100
58 24.4 30.4 45.6#





#53

t-1,3-Dichloropropene

Concen: 0.402 ug/l

RT: 8.952 min Scan# 1159

Delta R.T. -0.024 min

Lab File: VX036215.D

Acq: 19 Jun 2023 18:49

Instrument :

MSVOA_X

ClientSampleId :

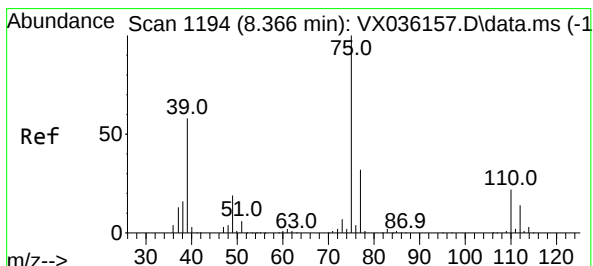
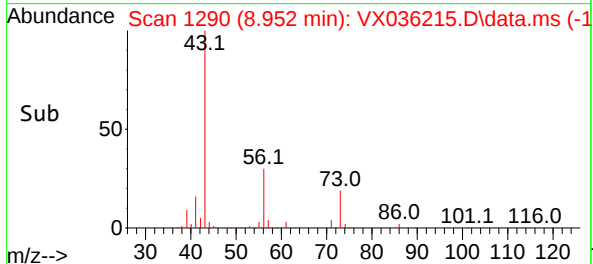
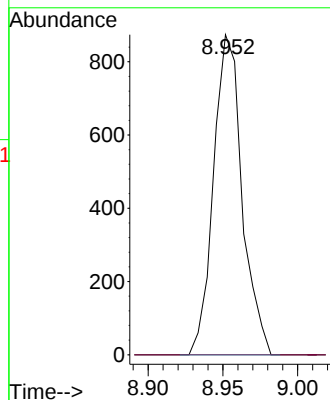
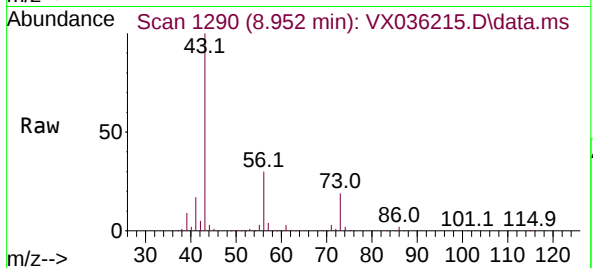
PB153531ZHE#03

Tgt Ion: 75 Resp: 1159

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#



#54

cis-1,3-Dichloropropene

Concen: 20.926 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX036215.D

Acq: 19 Jun 2023 18:49

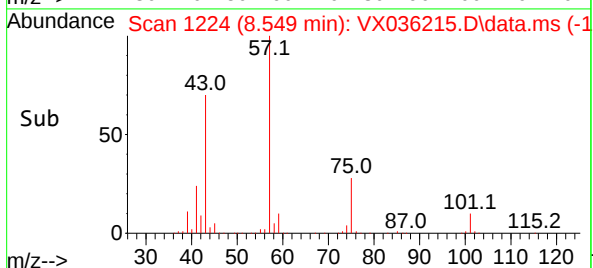
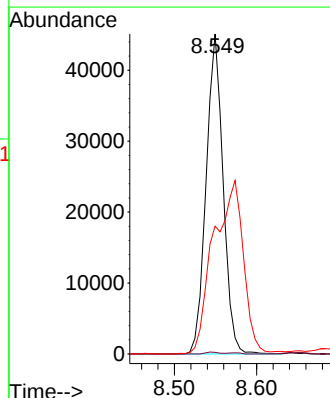
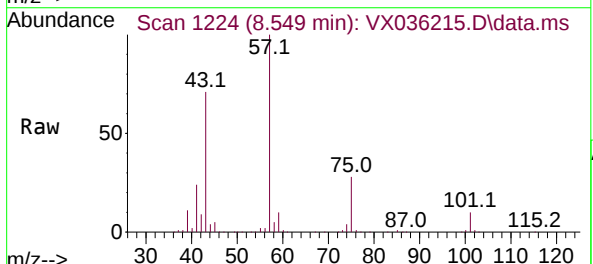
Tgt Ion: 75 Resp: 64706

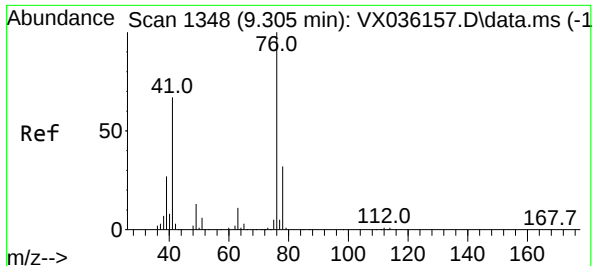
Ion Ratio Lower Upper

75 100

77 0.5 25.3 37.9#

39 39.7 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.400 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX036215.D

Acq: 19 Jun 2023 18:49

Instrument :

MSVOA_X

ClientSampleId :

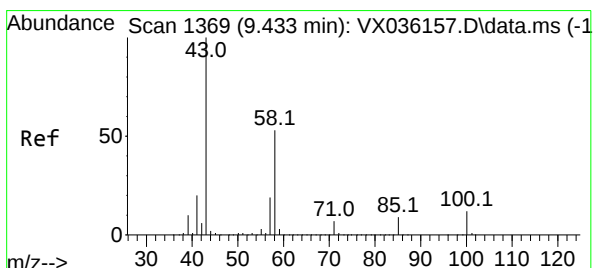
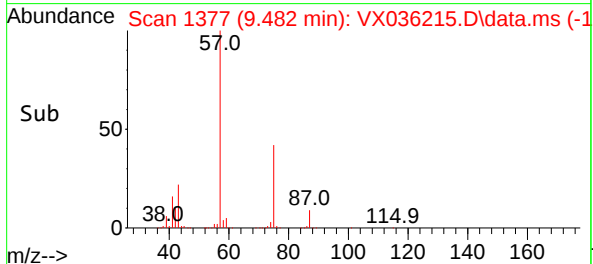
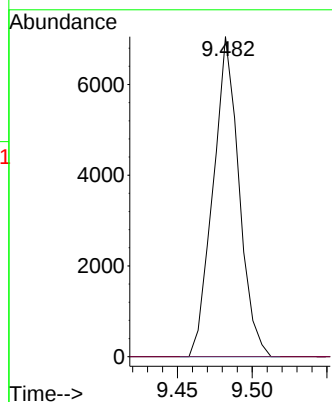
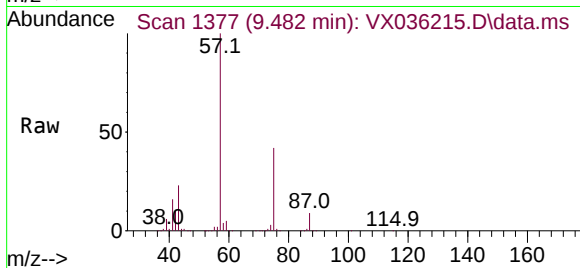
PB153531ZHE#03

Tgt Ion: 76 Resp: 8495

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 56.928 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX036215.D

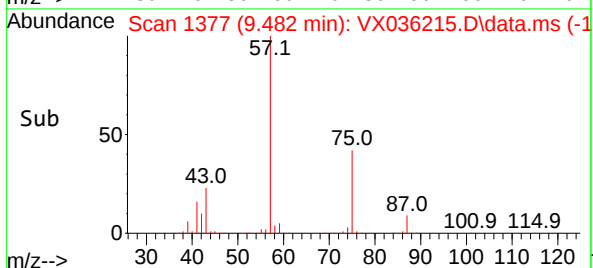
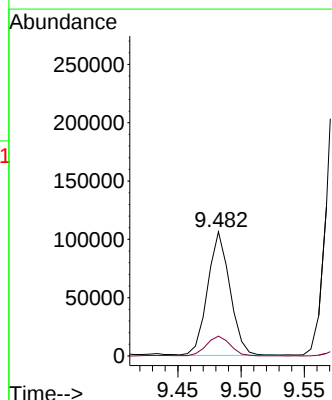
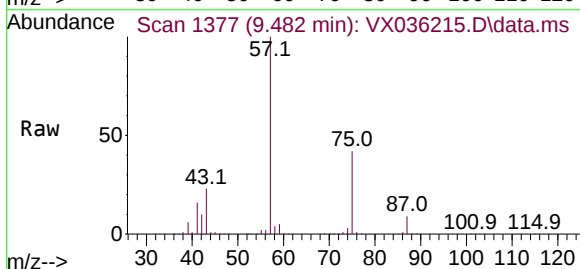
Acq: 19 Jun 2023 18:49

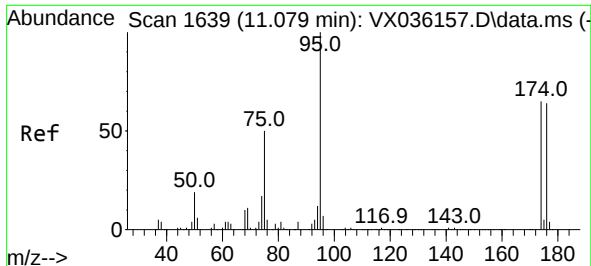
Tgt Ion: 43 Resp: 130455

Ion Ratio Lower Upper

43 100

58 17.4 26.2 78.5#





#62

4-Bromofluorobenzene

Concen: 47.470 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX036215.D

Acq: 19 Jun 2023 18:49

Instrument :

MSVOA_X

ClientSampleId :

PB153531ZHE#03

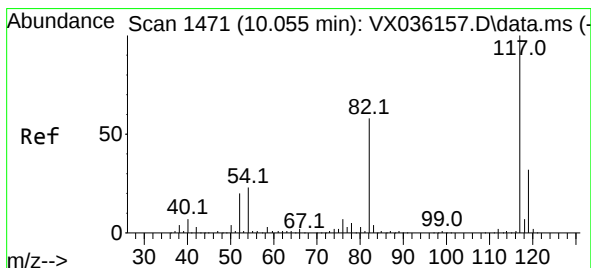
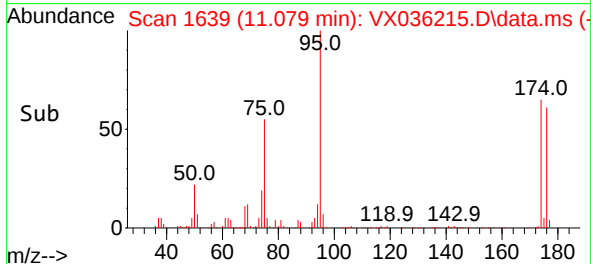
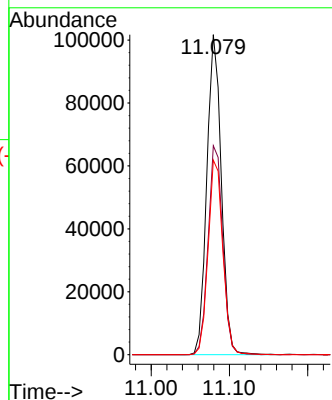
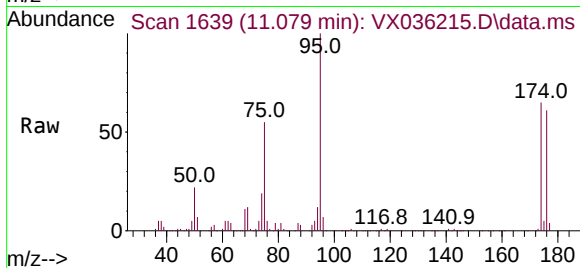
Tgt Ion: 95 Resp: 130275

Ion Ratio Lower Upper

95 100

174 66.0 0.0 135.6

176 61.8 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: VX036215.D

Acq: 19 Jun 2023 18:49

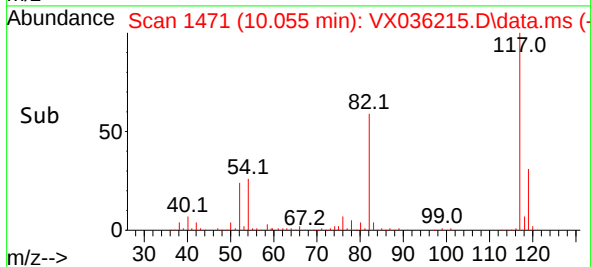
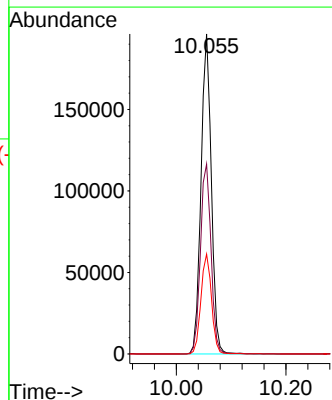
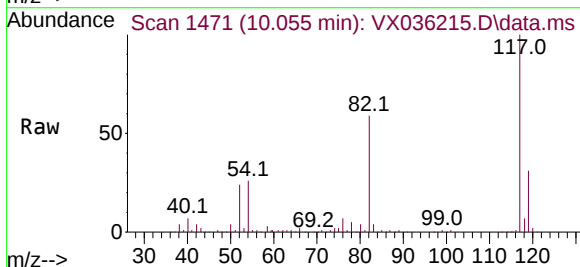
Tgt Ion: 117 Resp: 256372

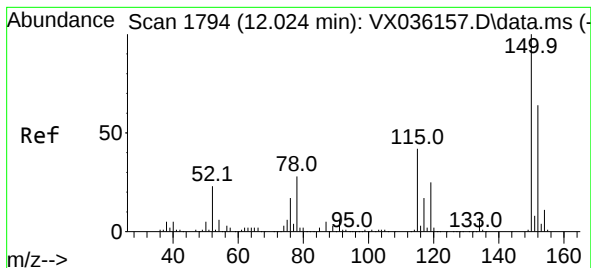
Ion Ratio Lower Upper

117 100

82 59.4 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: VX036215.D

Acq: 19 Jun 2023 18:49

Instrument :

MSVOA_X

ClientSampleId :

PB153531ZHE#03

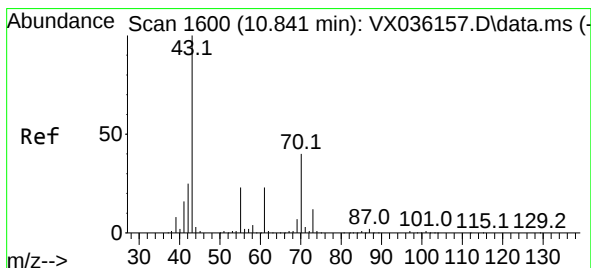
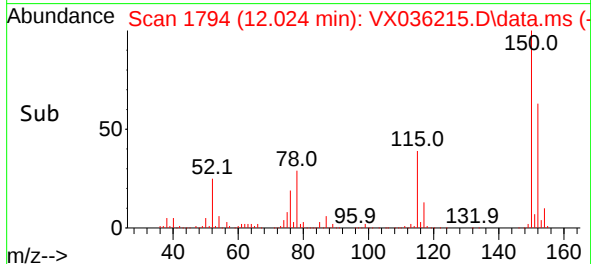
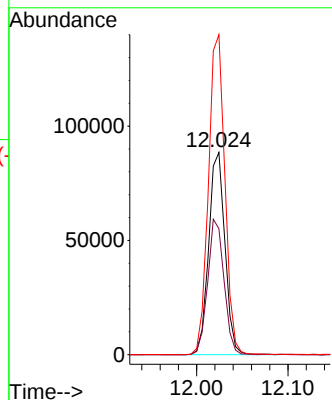
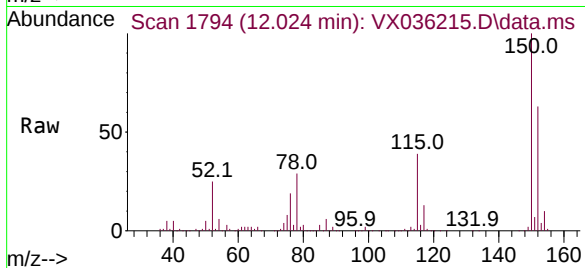
Tgt Ion:152 Resp: 109346

Ion Ratio Lower Upper

152 100

115 67.0 43.3 129.9

150 159.8 0.0 345.0



#74

N-ethyl acetate

Concen: 13.786 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX036215.D

Acq: 19 Jun 2023 18:49

Tgt Ion: 43 Resp: 50546

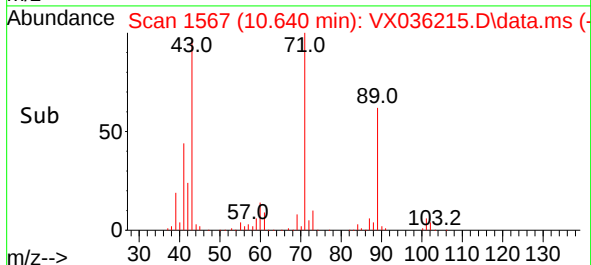
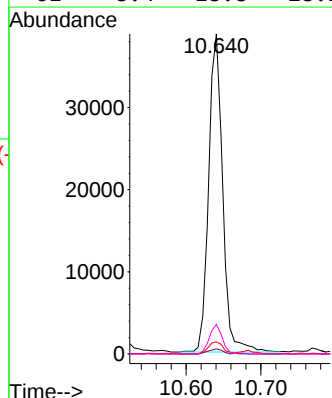
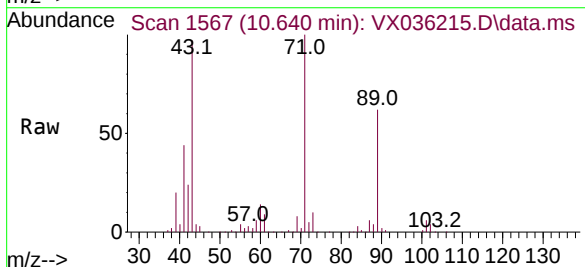
Ion Ratio Lower Upper

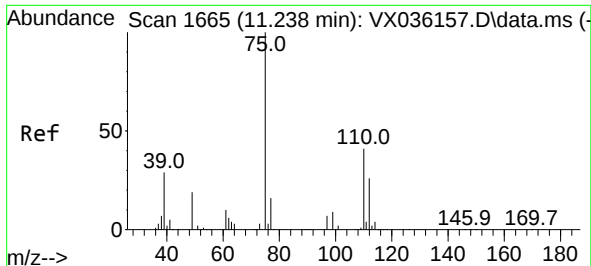
43 100

70 1.7 32.9 49.3#

55 4.0 19.3 28.9#

61 8.4 18.8 28.2#

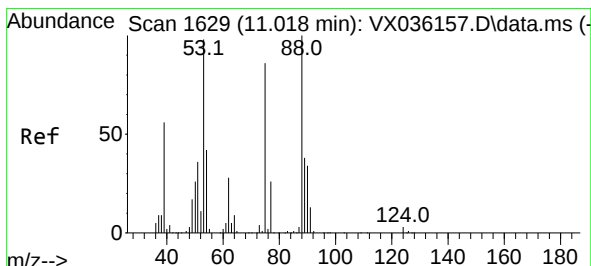
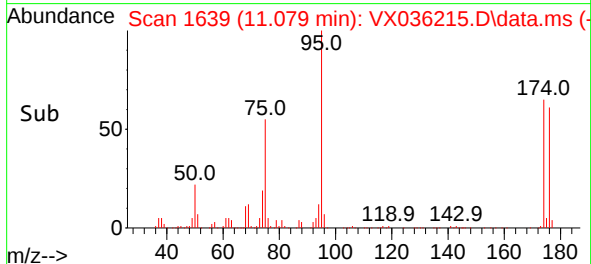
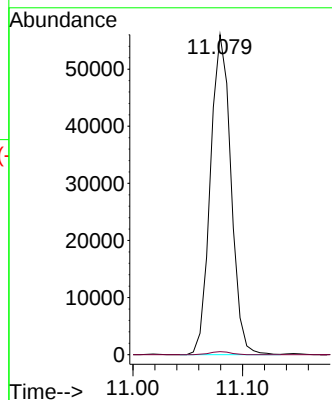
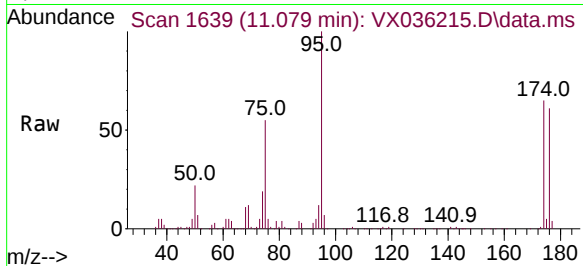




#76
1,2,3-Trichloropropane
Concen: 28.163 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX036215.D
Acq: 19 Jun 2023 18:49

Instrument :
MSVOA_X
ClientSampleId :
PB153531ZHE#03

Tgt Ion: 75 Resp: 73085
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.576 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036215.D
Acq: 19 Jun 2023 18:49

Tgt Ion: 75 Resp: 73085
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#

