

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080222\
 Data File : VX030359.D
 Acq On : 02 Aug 2022 17:52
 Operator : JC/MD
 Sample : PB146634ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB146634ZHE#06

Quant Time: Aug 03 01:10:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

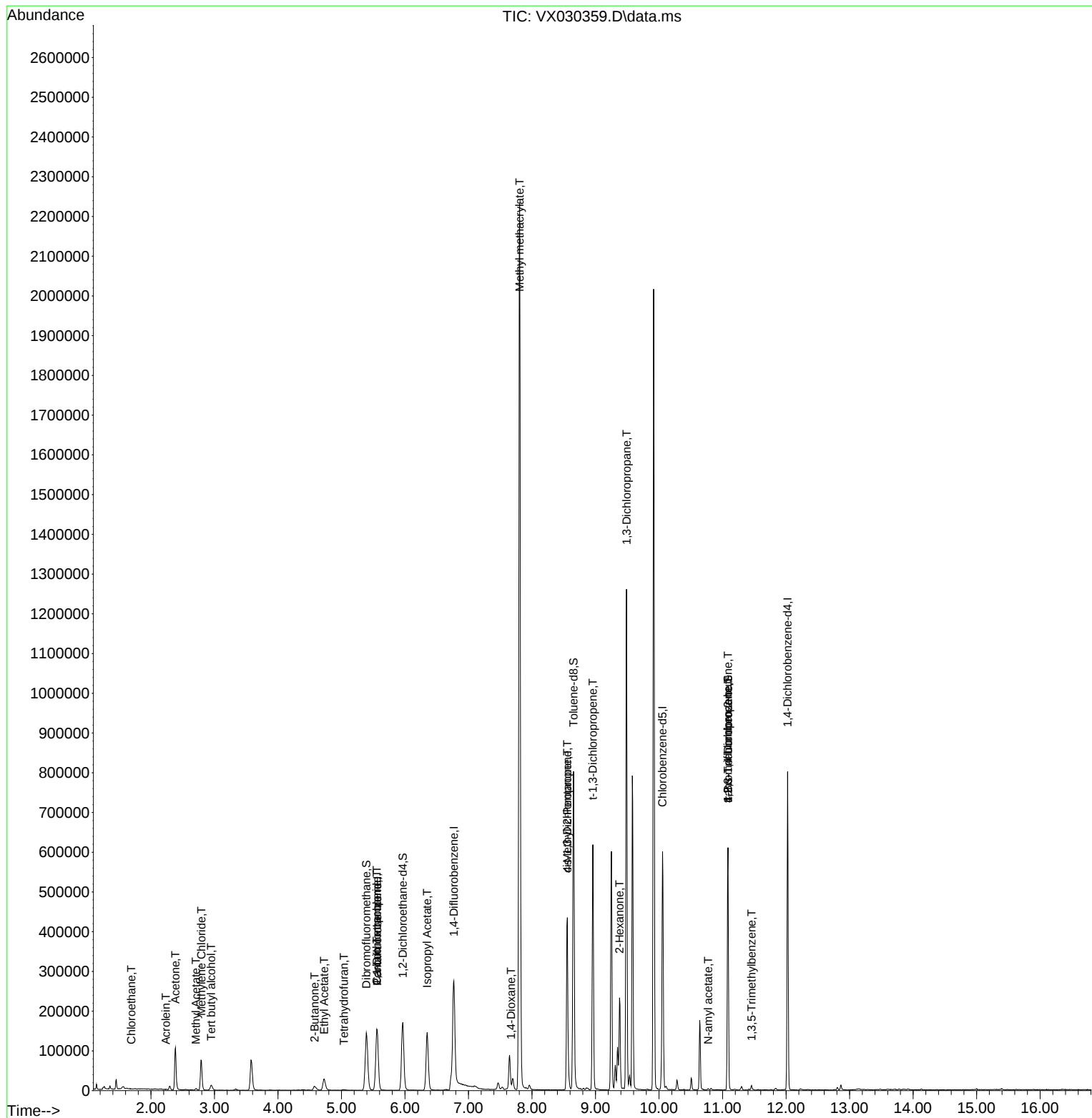
Internal Standards						
1) Pentafluorobenzene	5.562	168	145727	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	265127	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	264976	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	149904	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	158106	53.979	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.960%			
35) Dibromofluoromethane	5.391	113	127602	50.346	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.700%			
50) Toluene-d8	8.653	98	468396	47.722	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.440%			
62) 4-Bromofluorobenzene	11.085	95	170009	46.672	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.340%			
Target Compounds					Qvalue	
5) Bromomethane	1.611	94	271	Below Cal		83
6) Chloroethane	1.691	64	342	0.250 ug/l #		70
11) Tert butyl alcohol	2.947	59	9335	13.066 ug/l #		77
13) Acrolein	2.233	56	386	2.198 ug/l #		64
16) Acetone	2.386	43	115337	76.913 ug/l		96
18) Methyl Acetate	2.709	43	5000	1.127 ug/l		98
20) Methylene Chloride	2.794	84	33871	11.210 ug/l		98
25) 2-Butanone	4.574	43	14061	5.580 ug/l		95
29) Tetrahydrofuran	5.038	42	2011	1.186 ug/l #		41
36) 1,1-Dichloropropene	5.556	75	12636	3.464 ug/l #		48
37) Ethyl Acetate	4.727	43	49128	9.511 ug/l		100
38) Carbon Tetrachloride	5.556	117	15163	4.453 ug/l #		19
43) Isopropyl Acetate	6.348	43	201405	26.599 ug/l		97
48) Methyl methacrylate	7.806	41	188217	50.502 ug/l #		40
49) 1,4-Dioxane	7.671	88	21	0.244 ug/l #		1
51) 4-Methyl-2-Pentanone	8.555	43	155387	30.228 ug/l #		51
53) t-1,3-Dichloropropene	8.958	75	1277	0.313 ug/l #		42
54) cis-1,3-Dichloropropene	8.555	75	68146	15.331 ug/l #		61
57) 1,3-Dichloropropane	9.488	76	10379	2.109 ug/l #		42
59) 2-Hexanone	9.378	43	184397	45.468 ug/l #		24
67) Ethyl Benzene	10.201	91	225	Below Cal #		55
74) N-amyl acetate	10.774	43	1429	0.251 ug/l #		56
76) 1,2,3-Trichloropropane	11.085	75	83426	21.113 ug/l #		37
80) 1,3,5-Trimethylbenzene	11.457	105	4274	0.436 ug/l		93
81) trans-1,4-Dichloro-2-b...	11.085	75	83426	63.338 ug/l #		12

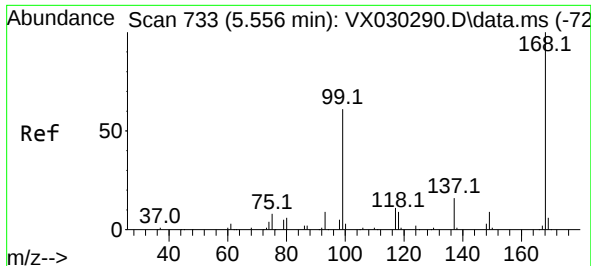
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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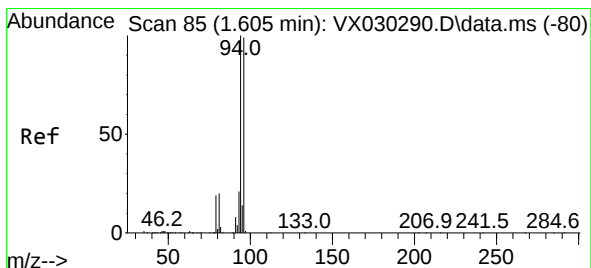
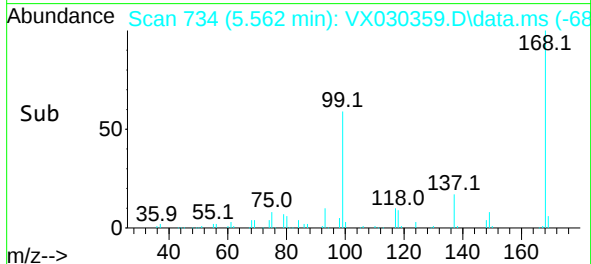
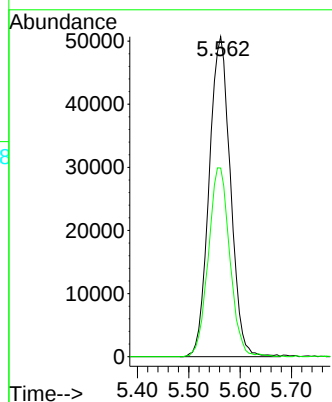
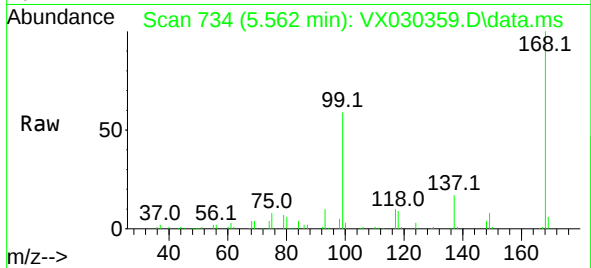




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX030359.D
Acq: 02 Aug 2022 17:52

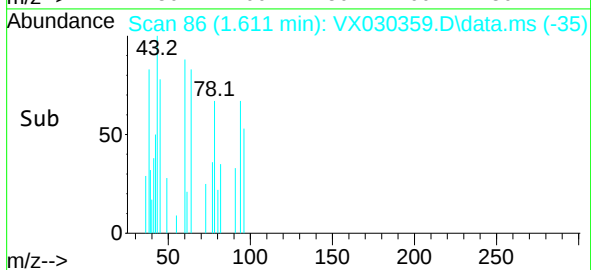
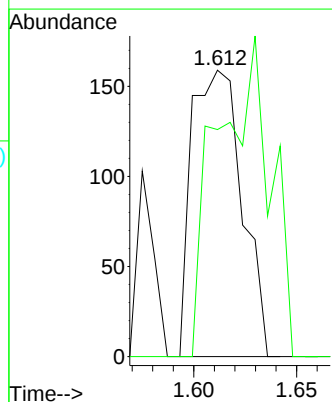
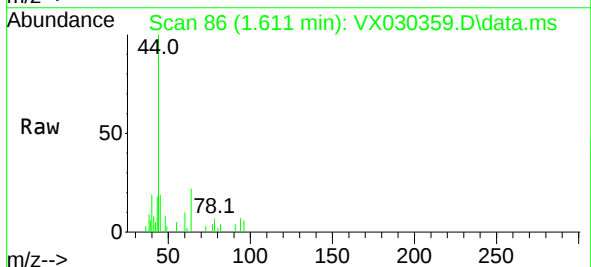
Instrument :
MSVOA_X
ClientSampleId :
PB146634ZHE#06

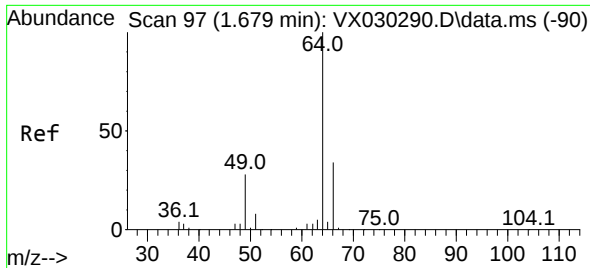
Tgt Ion:168 Resp: 145727
Ion Ratio Lower Upper
168 100
99 58.9 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX030359.D
Acq: 02 Aug 2022 17:52

Tgt Ion: 94 Resp: 271
Ion Ratio Lower Upper
94 100
96 79.2 76.9 115.3

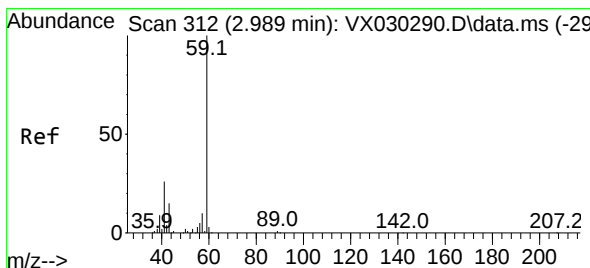
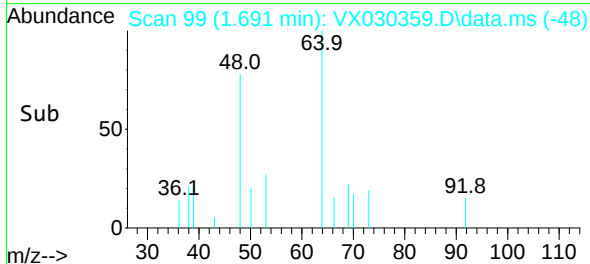
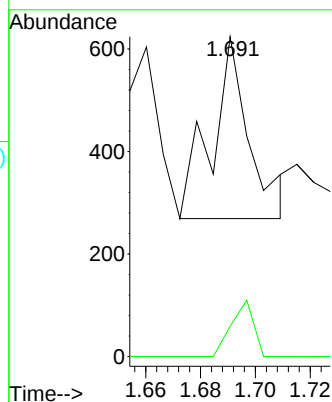
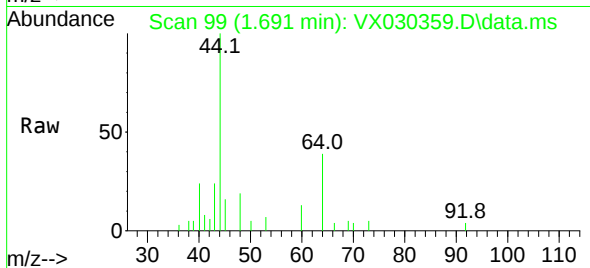




#6
Chloroethane
Concen: 0.250 ug/l
RT: 1.691 min Scan# 91
Delta R.T. 0.013 min
Lab File: VX030359.D
Acq: 02 Aug 2022 17:52

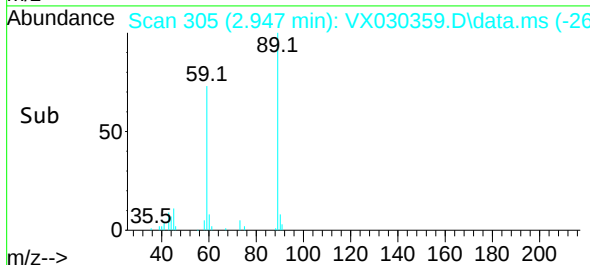
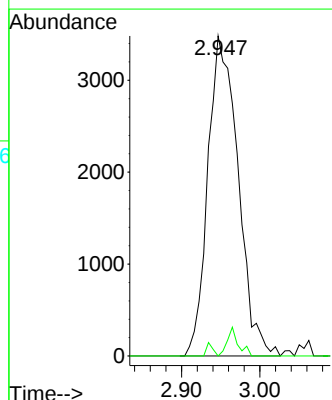
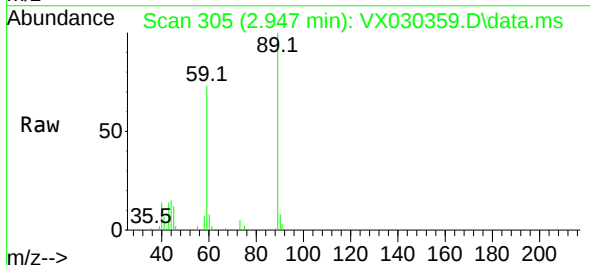
Instrument :
MSVOA_X
ClientSampleId :
PB146634ZHE#06

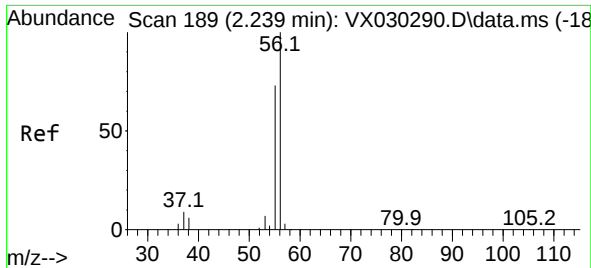
Tgt Ion: 64 Resp: 342
Ion Ratio Lower Upper
64 100
66 16.6 27.2 40.8#



#11
Tert butyl alcohol
Concen: 13.066 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.030 min
Lab File: VX030359.D
Acq: 02 Aug 2022 17:52

Tgt Ion: 59 Resp: 9335
Ion Ratio Lower Upper
59 100
57 0.8 7.4 11.2#

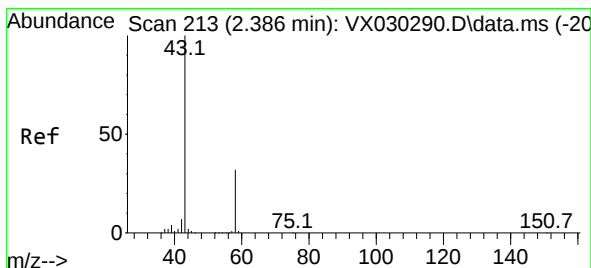
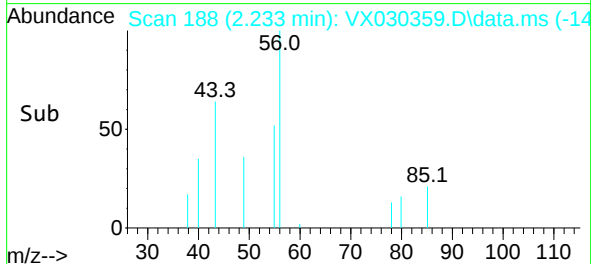
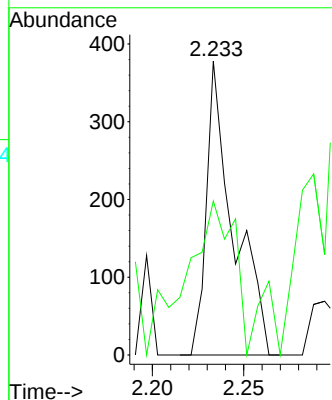
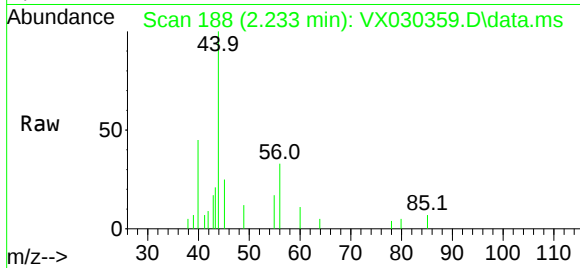




#13
Acrolein
Concen: 2.198 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX030359.D
Acq: 02 Aug 2022 17:52

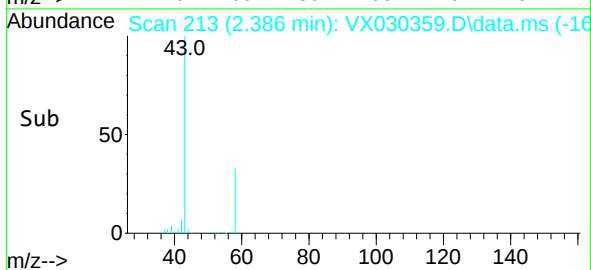
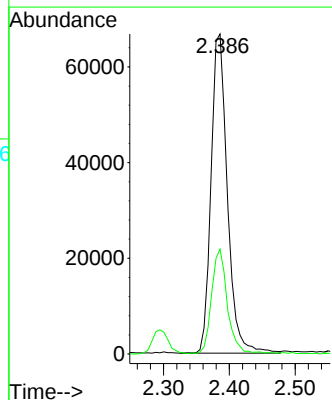
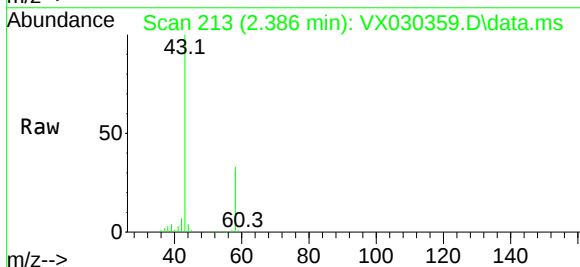
Instrument :
MSVOA_X
ClientSampleId :
PB146634ZHE#06

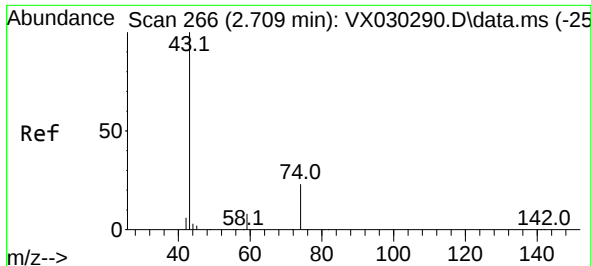
Tgt Ion: 56 Resp: 386
Ion Ratio Lower Upper
56 100
55 100.5 56.6 84.8#



#16
Acetone
Concen: 76.913 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.001 min
Lab File: VX030359.D
Acq: 02 Aug 2022 17:52

Tgt Ion: 43 Resp: 115337
Ion Ratio Lower Upper
43 100
58 32.5 27.7 41.5

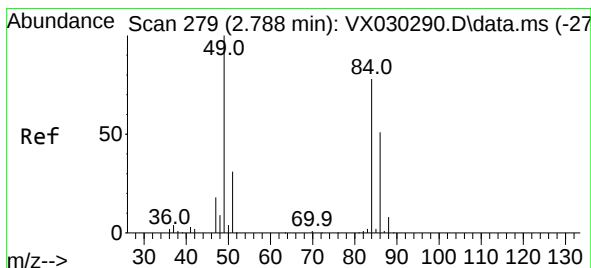
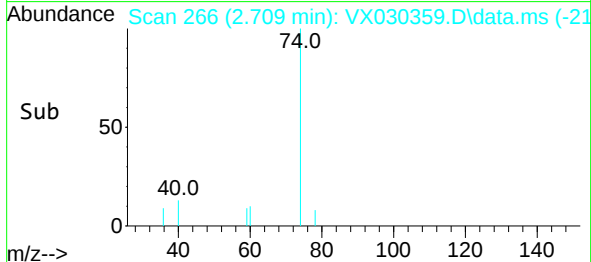
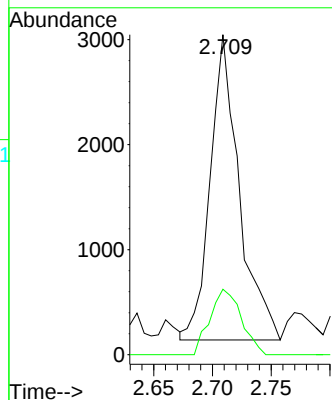
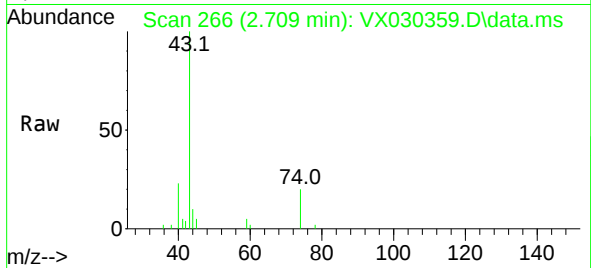




#18
Methyl Acetate
Concen: 1.127 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.001 min
Lab File: VX030359.D
Acq: 02 Aug 2022 17:52

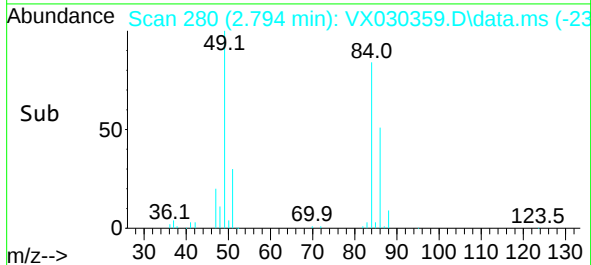
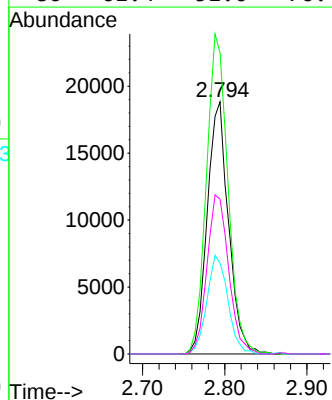
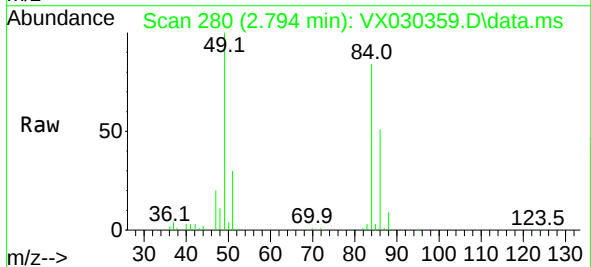
Instrument :
MSVOA_X
ClientSampleId :
PB146634ZHE#06

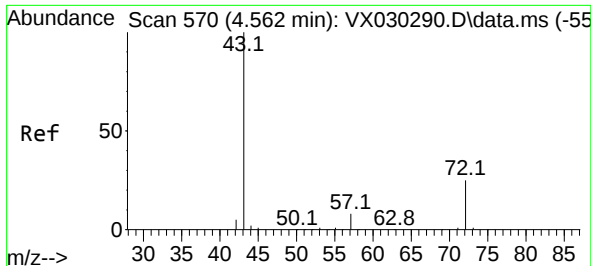
Tgt Ion: 43 Resp: 5000
Ion Ratio Lower Upper
43 100
74 23.1 19.4 29.2



#20
Methylene Chloride
Concen: 11.210 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX030359.D
Acq: 02 Aug 2022 17:52

Tgt Ion: 84 Resp: 33871
Ion Ratio Lower Upper
84 100
49 119.4 93.8 140.6
51 36.0 29.4 44.0
86 61.4 51.0 76.4

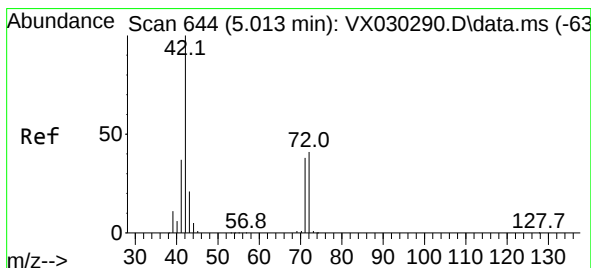
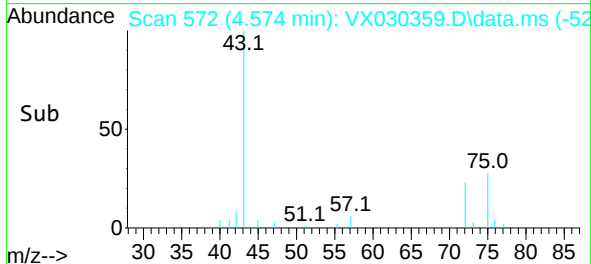
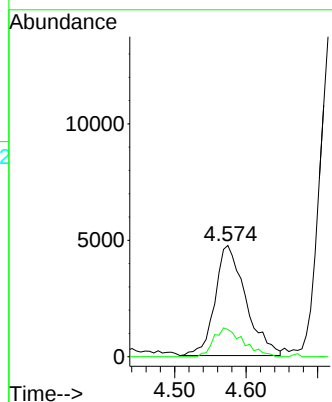
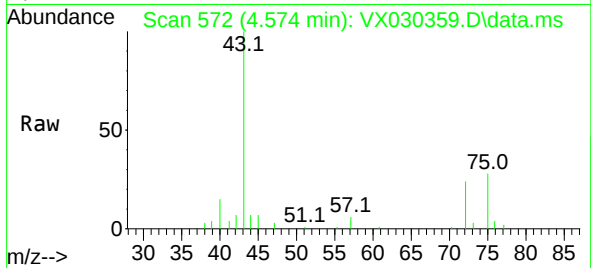




#25
2-Butanone
Concen: 5.580 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX030359.D
Acq: 02 Aug 2022 17:52

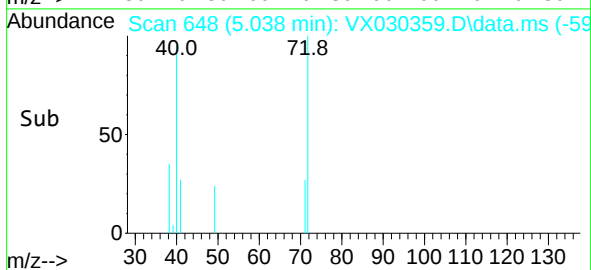
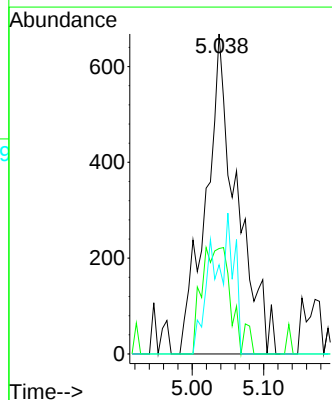
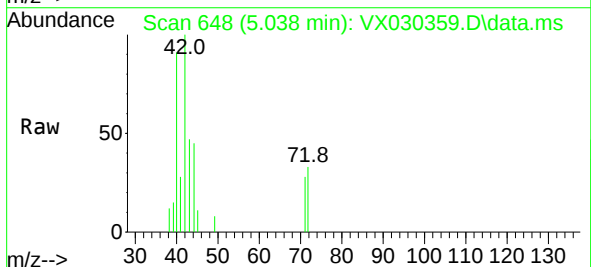
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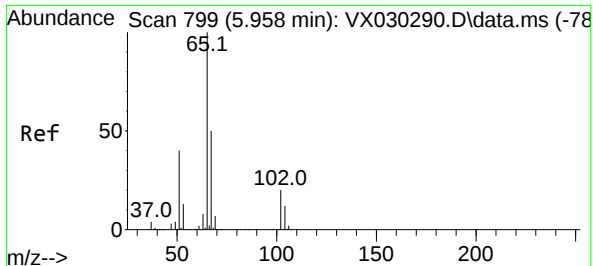
Tgt Ion: 43 Resp: 14061
Ion Ratio Lower Upper
43 100
72 24.7 21.7 32.5



#29
Tetrahydrofuran
Concen: 1.186 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.025 min
Lab File: VX030359.D
Acq: 02 Aug 2022 17:52

Tgt Ion: 42 Resp: 2011
Ion Ratio Lower Upper
42 100
72 0.0 36.5 54.7#
71 12.5 33.9 50.9#





#33

1,2-Dichloroethane-d4

Concen: 53.979 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX030359.D

Acq: 02 Aug 2022 17:52

Instrument :

MSVOA_X

ClientSampleId :

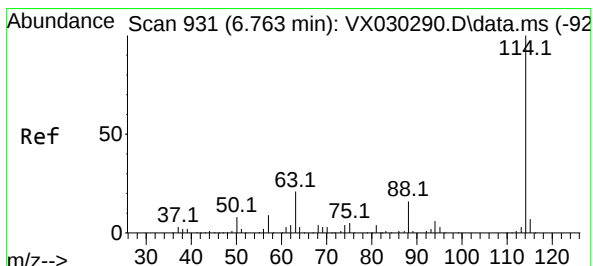
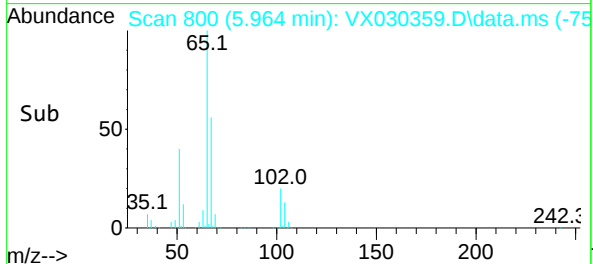
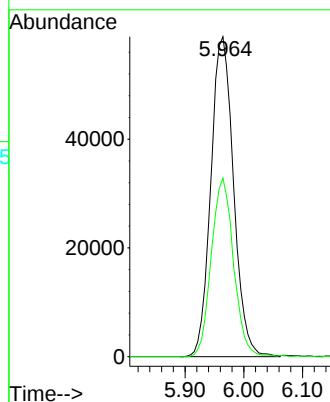
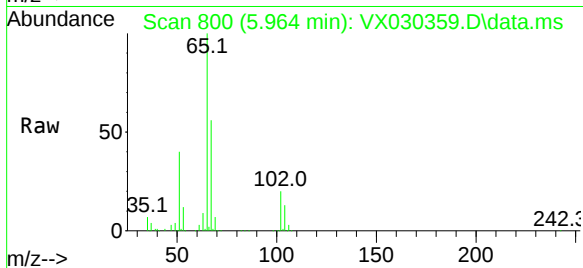
PB146634ZHE#06

Tgt Ion: 65 Resp: 158106

Ion Ratio Lower Upper

65 100

67 54.6 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX030359.D

Acq: 02 Aug 2022 17:52

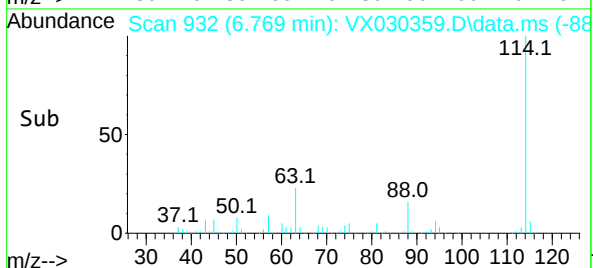
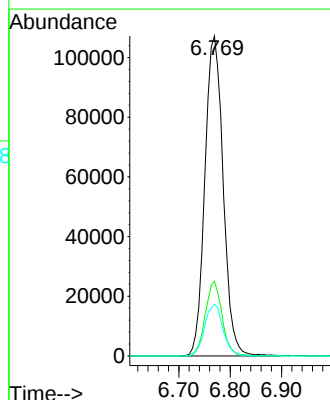
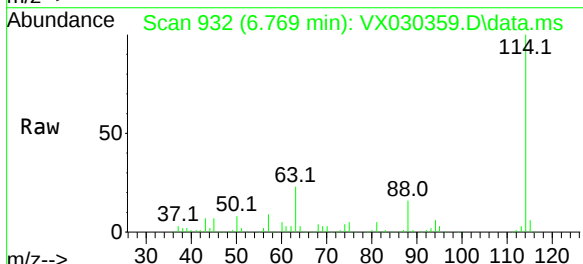
Tgt Ion: 114 Resp: 265127

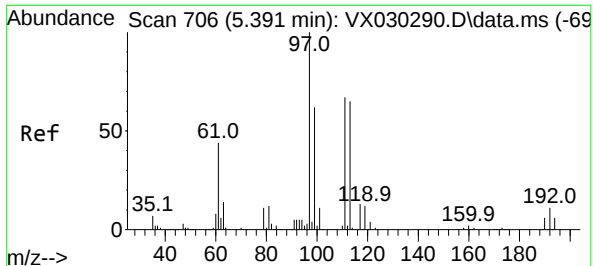
Ion Ratio Lower Upper

114 100

63 23.3 0.0 38.4

88 16.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.346 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030359.D

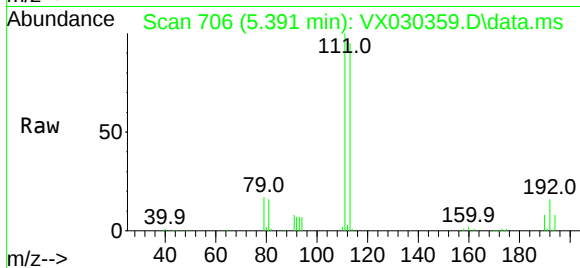
Acq: 02 Aug 2022 17:52

Instrument :

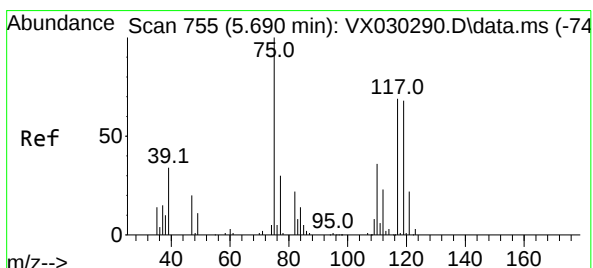
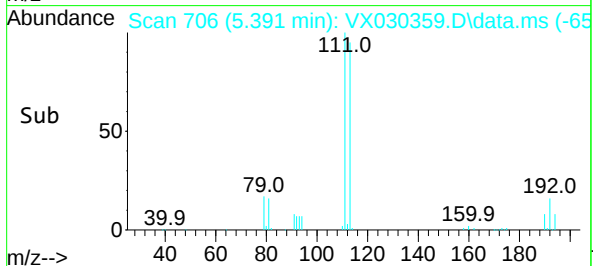
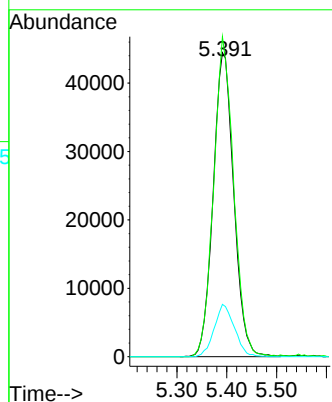
MSVOA_X

ClientSampleId :

PB146634ZHE#06



Tgt Ion:	113	Resp:	127602
Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.2	124.8
192	16.9	14.8	22.2



#36

1,1-Dichloropropene

Concen: 3.464 ug/l

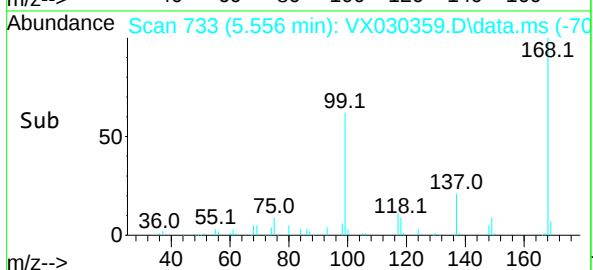
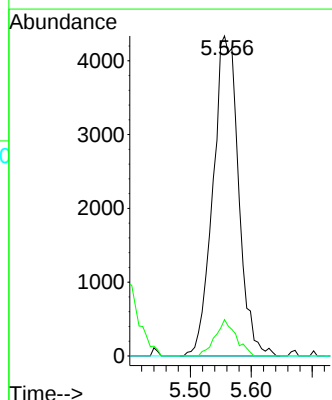
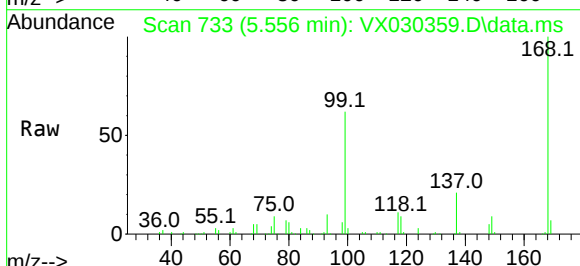
RT: 5.556 min Scan# 733

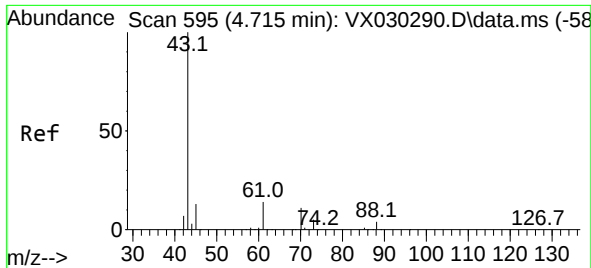
Delta R.T. -0.140 min

Lab File: VX030359.D

Acq: 02 Aug 2022 17:52

Tgt Ion:	75	Resp:	12636
Ion	Ratio	Lower	Upper
75	100		
110	9.2	19.3	57.9#
77	0.0	24.4	36.6#





#37

Ethyl Acetate

Concen: 9.511 ug/l

RT: 4.727 min Scan# 595

Delta R.T. 0.007 min

Lab File: VX030359.D

Acq: 02 Aug 2022 17:52

Instrument :

MSVOA_X

ClientSampleId :

PB146634ZHE#06

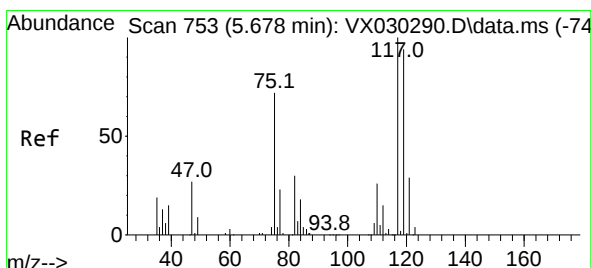
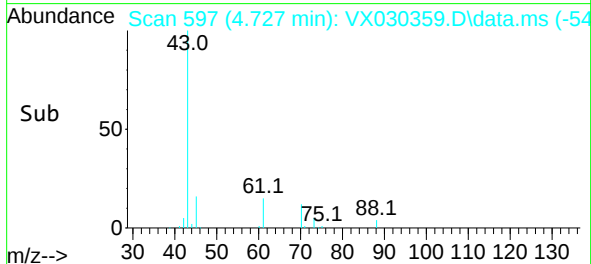
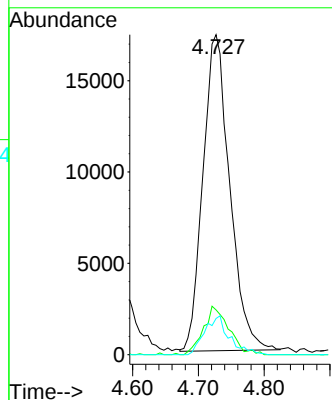
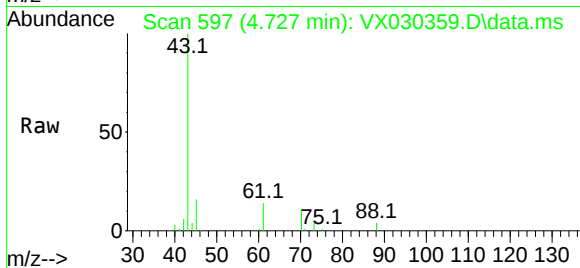
Tgt Ion: 43 Resp: 49128

Ion Ratio Lower Upper

43 100

61 14.6 11.7 17.5

70 11.3 9.3 13.9



#38

Carbon Tetrachloride

Concen: 4.453 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.127 min

Lab File: VX030359.D

Acq: 02 Aug 2022 17:52

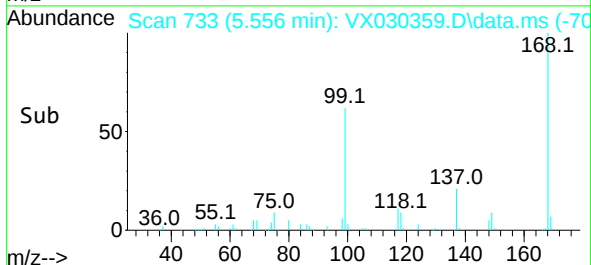
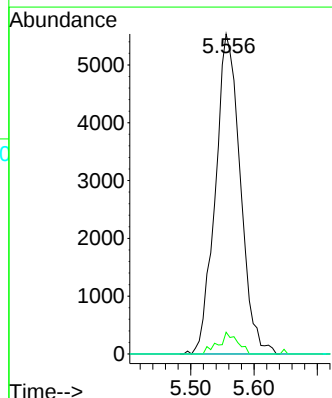
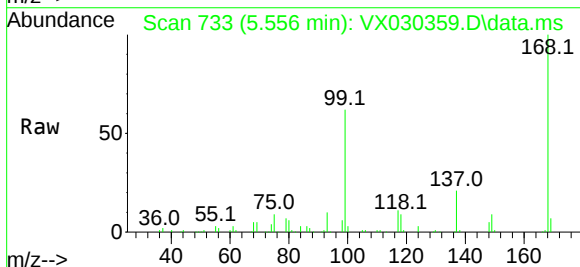
Tgt Ion: 117 Resp: 15163

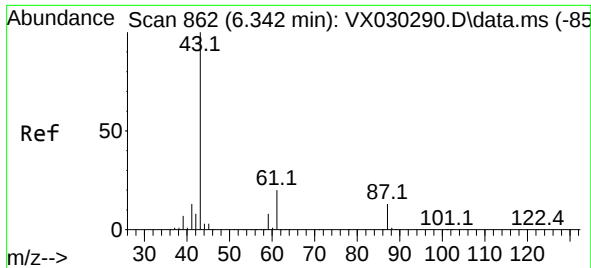
Ion Ratio Lower Upper

117 100

119 6.8 74.1 111.1#

121 0.0 25.8 38.8#

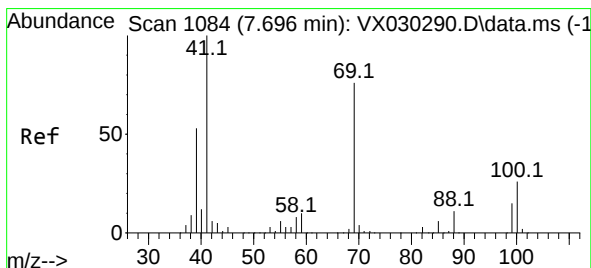
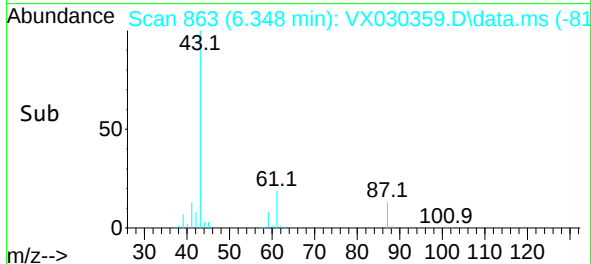
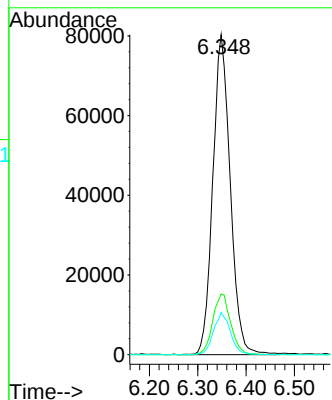
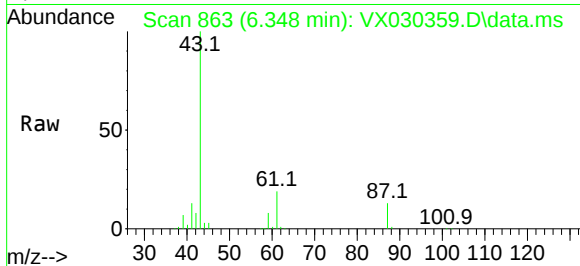




#43
Isopropyl Acetate
Concen: 26.599 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX030359.D
Acq: 02 Aug 2022 17:52

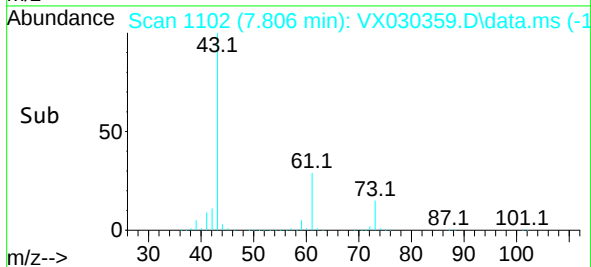
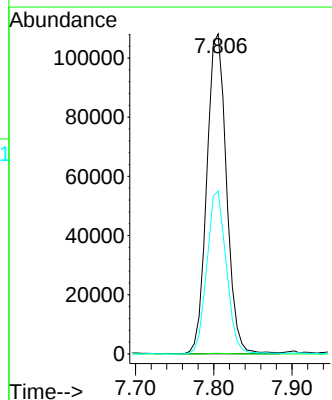
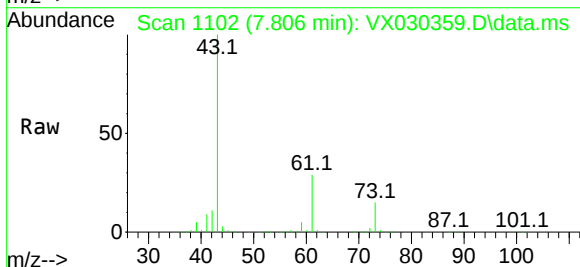
Instrument :
MSVOA_X
ClientSampleId :
PB146634ZHE#06

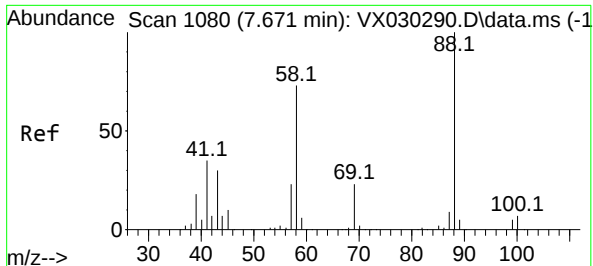
Tgt Ion: 43 Resp: 201405
Ion Ratio Lower Upper
43 100
61 19.5 16.5 24.7
87 12.7 11.1 16.7



#48
Methyl methacrylate
Concen: 50.502 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.111 min
Lab File: VX030359.D
Acq: 02 Aug 2022 17:52

Tgt Ion: 41 Resp: 188217
Ion Ratio Lower Upper
41 100
69 0.2 68.8 103.2#
39 50.5 44.6 66.8





#49

1,4-Dioxane

Concen: 0.244 ug/l

RT: 7.671 min Scan# 1080

Delta R.T. 0.006 min

Lab File: VX030359.D

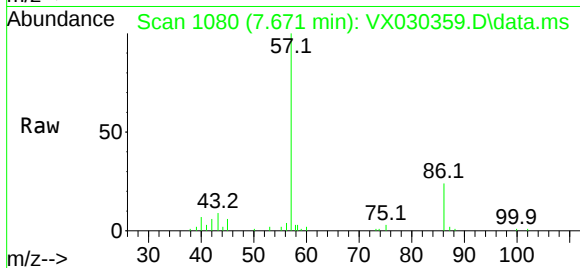
Acq: 02 Aug 2022 17:52

Instrument :

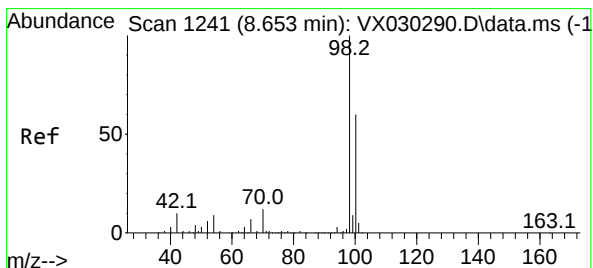
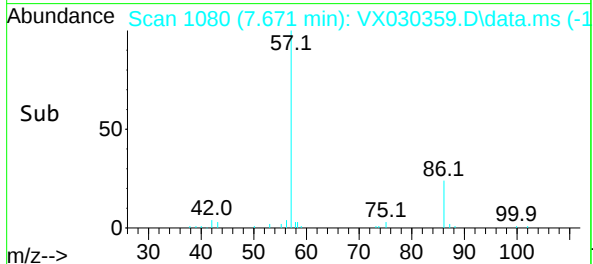
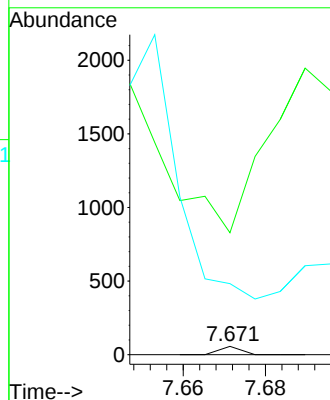
MSVOA_X

ClientSampleId :

PB146634ZHE#06



Tgt Ion:	88	Resp:	21
Ion	Ratio	Lower	Upper
88	100		
43	0.0	23.8	35.8#
58	18971.4	53.8	80.6#



#50

Toluene-d8

Concen: 47.722 ug/l

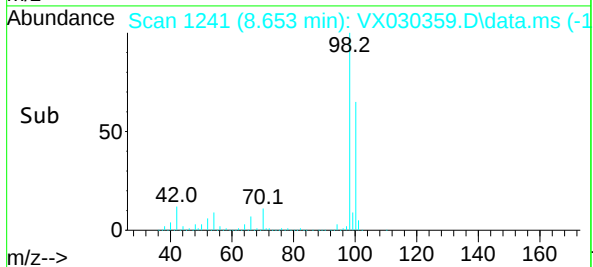
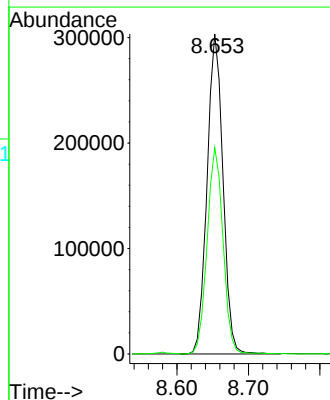
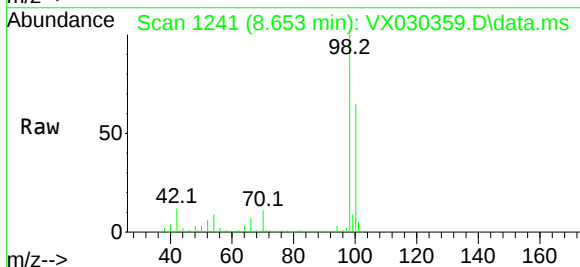
RT: 8.653 min Scan# 1241

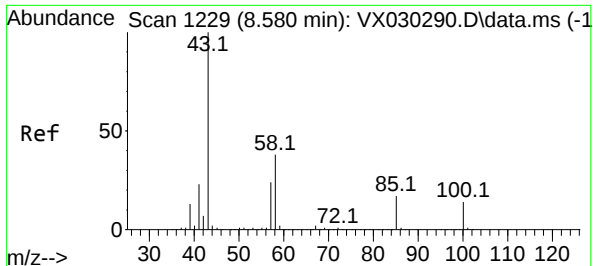
Delta R.T. 0.001 min

Lab File: VX030359.D

Acq: 02 Aug 2022 17:52

Tgt Ion:	98	Resp:	468396
Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 30.228 ug/l

RT: 8.555 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX030359.D

Acq: 02 Aug 2022 17:52

Instrument :

MSVOA_X

ClientSampleId :

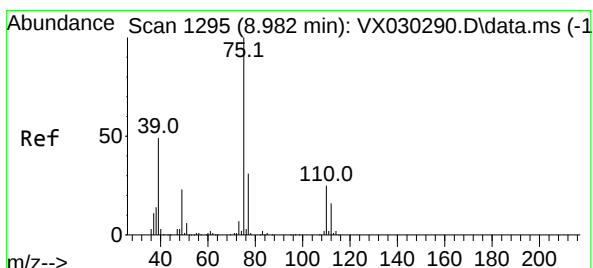
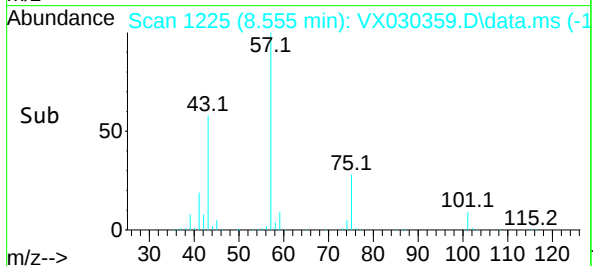
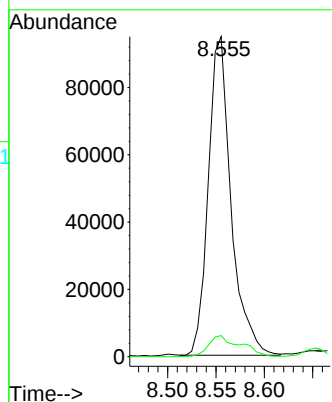
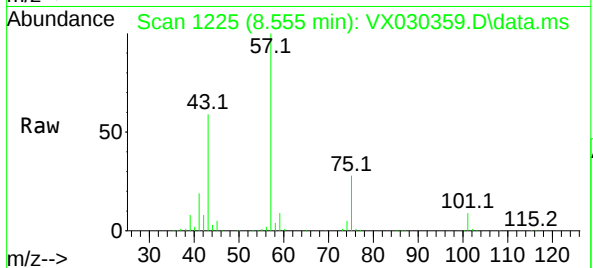
PB146634ZHE#06

Tgt Ion: 43 Resp: 155387

Ion Ratio Lower Upper

43 100

58 9.4 31.4 47.2#



#53

t-1,3-Dichloropropene

Concen: 0.313 ug/l

RT: 8.958 min Scan# 1291

Delta R.T. -0.024 min

Lab File: VX030359.D

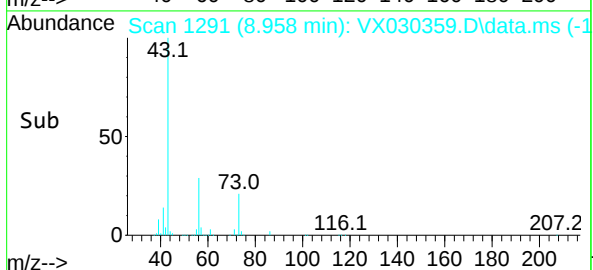
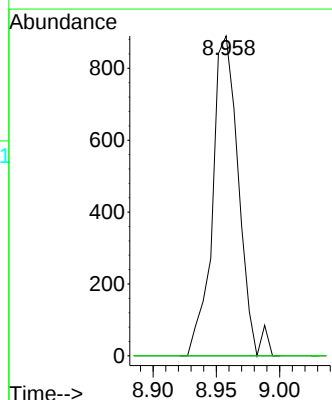
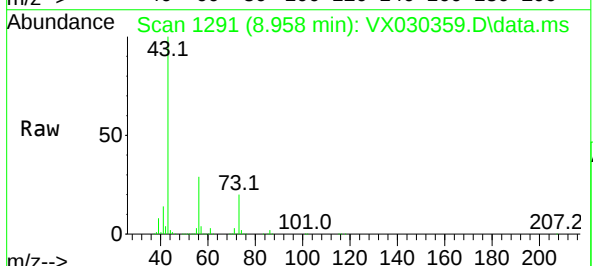
Acq: 02 Aug 2022 17:52

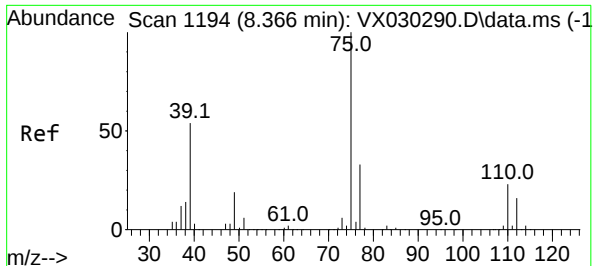
Tgt Ion: 75 Resp: 1277

Ion Ratio Lower Upper

75 100

77 0.0 26.3 39.5#

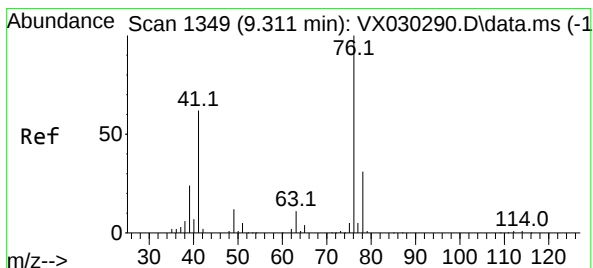
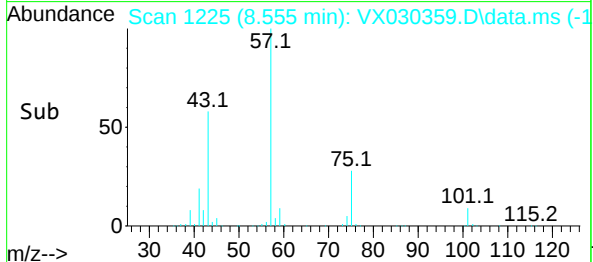
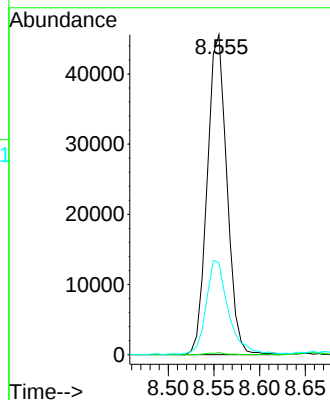
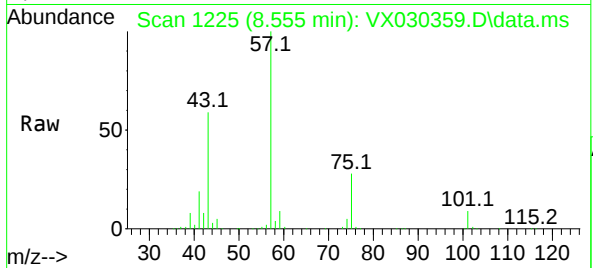




#54
 cis-1,3-Dichloropropene
 Concen: 15.331 ug/l
 RT: 8.555 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX030359.D
 Acq: 02 Aug 2022 17:52

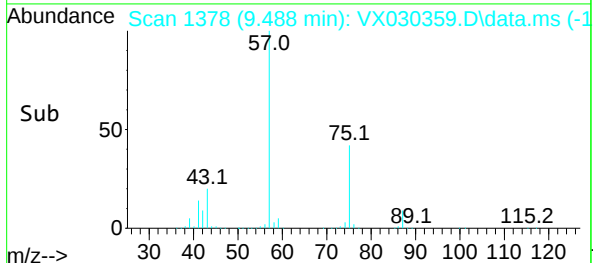
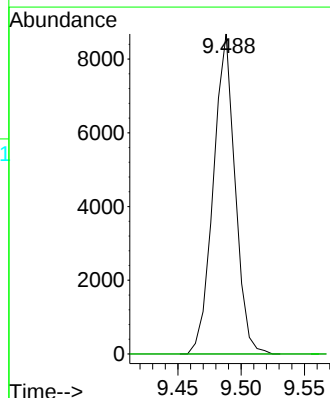
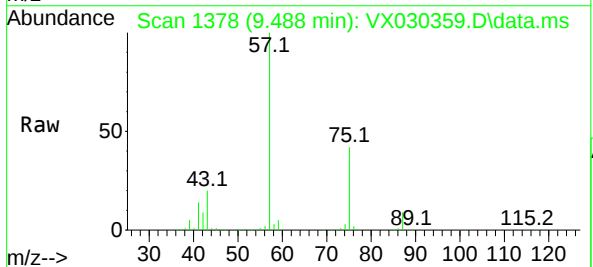
Instrument :
 MSVOA_X
 ClientSampleId :
 PB146634ZHE#06

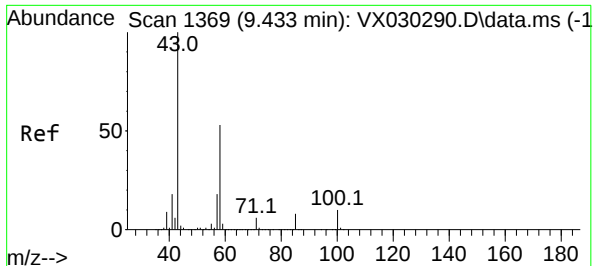
Tgt Ion: 75 Resp: 68146
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.0 37.4#
 39 28.5 37.5 56.3#



#57
 1,3-Dichloropropane
 Concen: 2.109 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX030359.D
 Acq: 02 Aug 2022 17:52

Tgt Ion: 76 Resp: 10379
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#





#59

2-Hexanone

Concen: 45.468 ug/l

RT: 9.378 min Scan# 11

Delta R.T. -0.055 min

Lab File: VX030359.D

Acq: 02 Aug 2022 17:52

Instrument :

MSVOA_X

ClientSampleId :

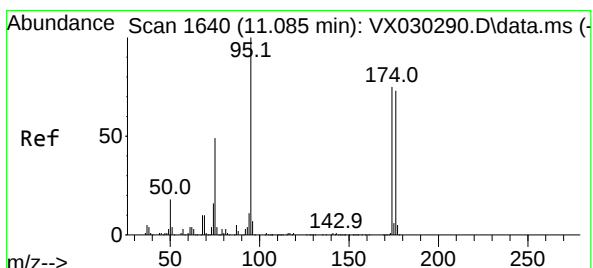
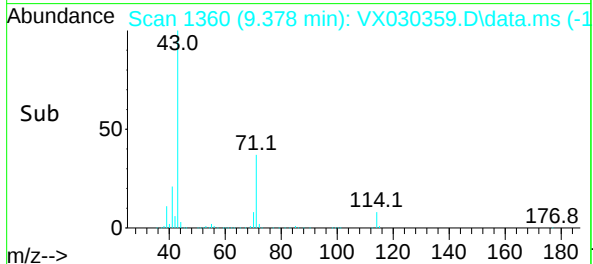
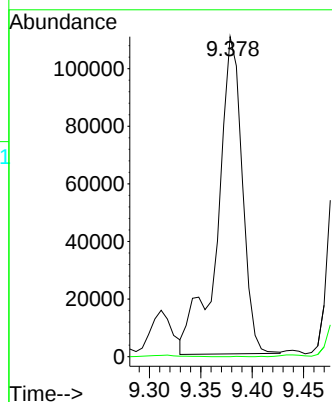
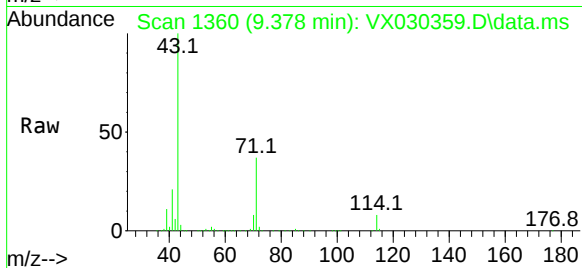
PB146634ZHE#06

Tgt Ion: 43 Resp: 184397

Ion Ratio Lower Upper

43 100

58 0.0 27.6 82.8#



#62

4-Bromofluorobenzene

Concen: 46.672 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX030359.D

Acq: 02 Aug 2022 17:52

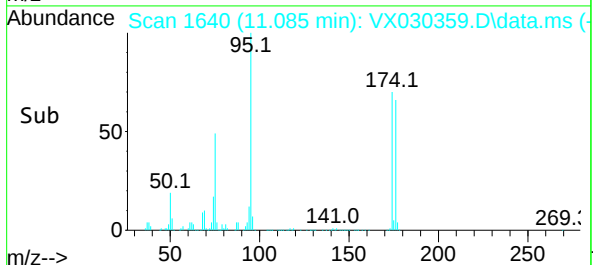
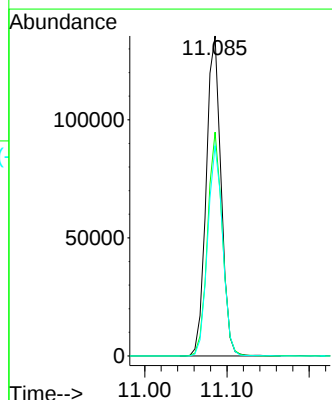
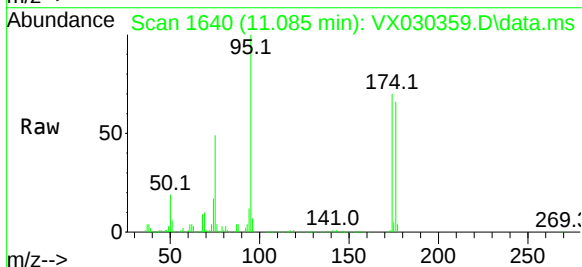
Tgt Ion: 95 Resp: 170009

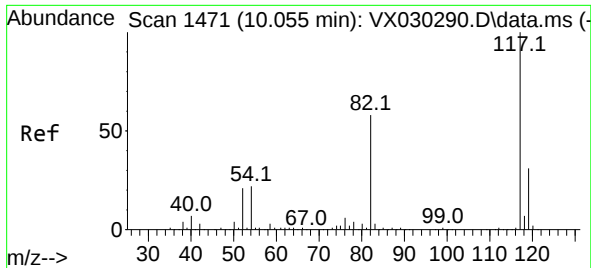
Ion Ratio Lower Upper

95 100

174 69.4 0.0 149.0

176 66.0 0.0 146.0

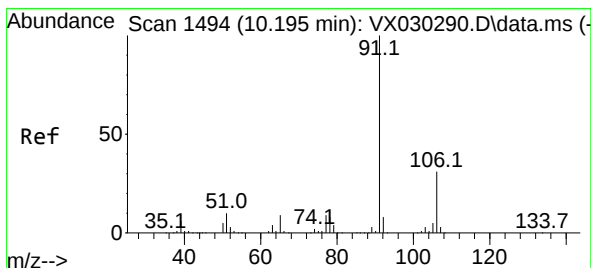
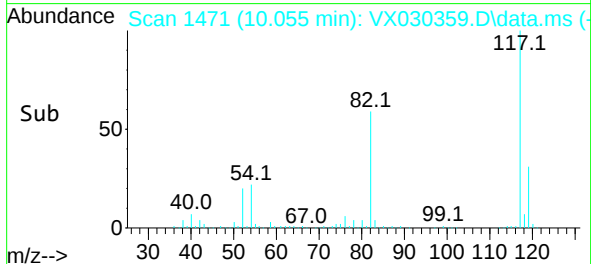
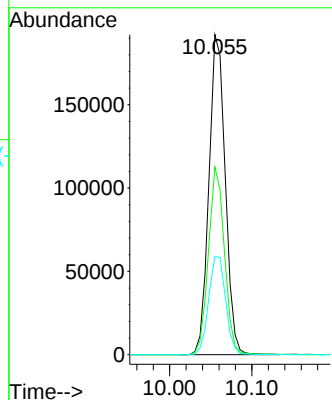
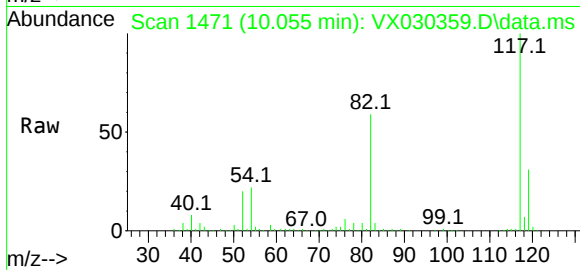




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030359.D
Acq: 02 Aug 2022 17:52

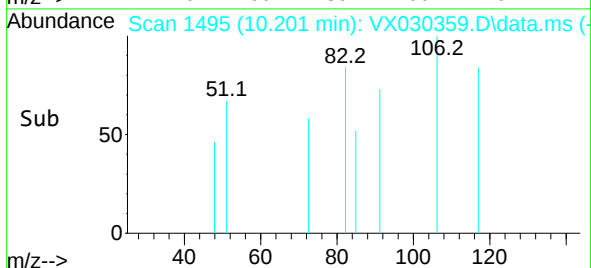
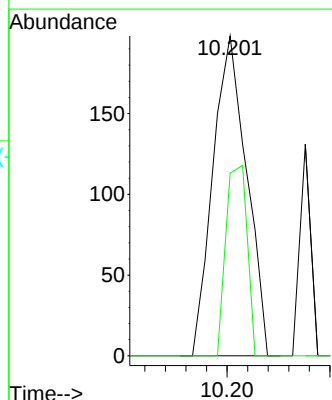
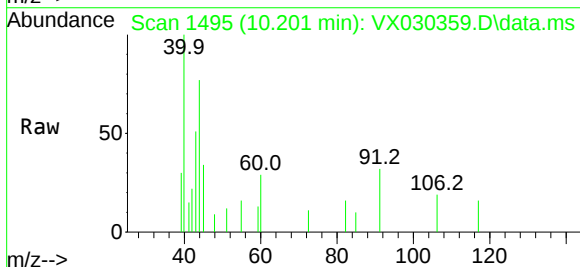
Instrument :
MSVOA_X
ClientSampleId :
PB146634ZHE#06

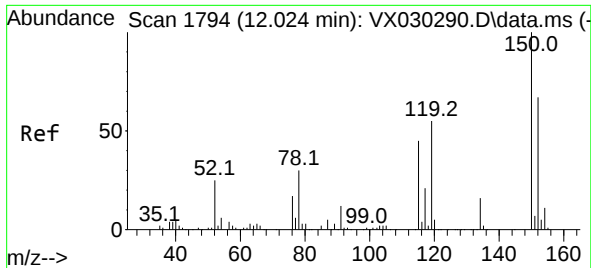
Tgt Ion:117 Resp: 264976
Ion Ratio Lower Upper
117 100
82 58.6 42.7 64.1
119 30.7 25.4 38.2



#67
Ethyl Benzene
Concen: Below Cal
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX030359.D
Acq: 02 Aug 2022 17:52

Tgt Ion: 91 Resp: 225
Ion Ratio Lower Upper
91 100
106 57.1 25.5 38.3#

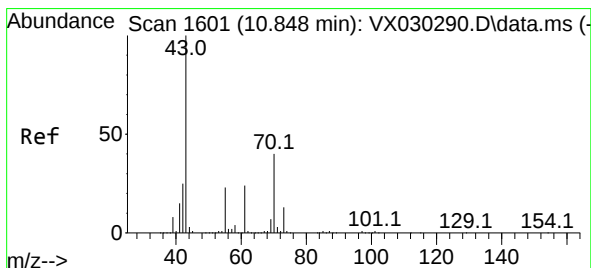
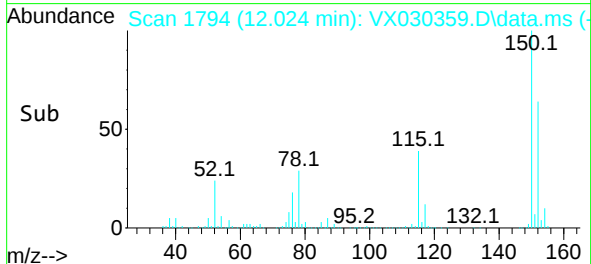
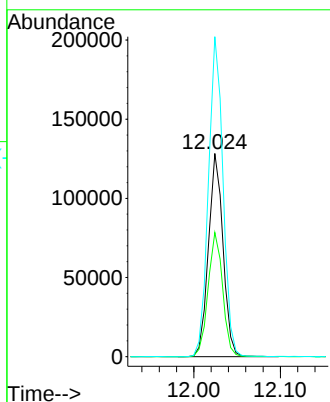
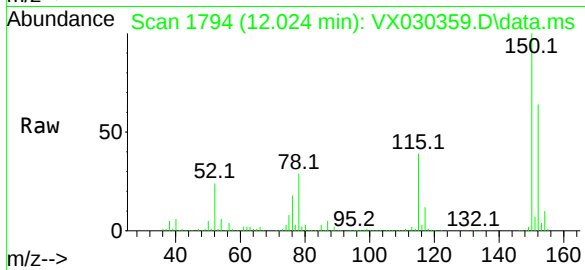




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030359.D
Acq: 02 Aug 2022 17:52

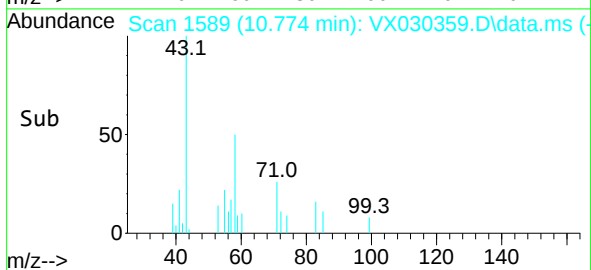
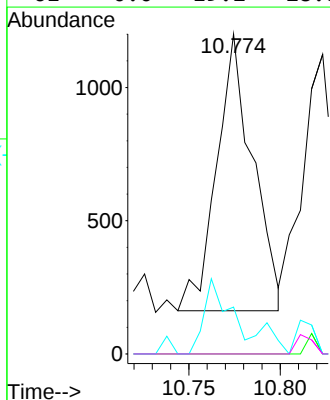
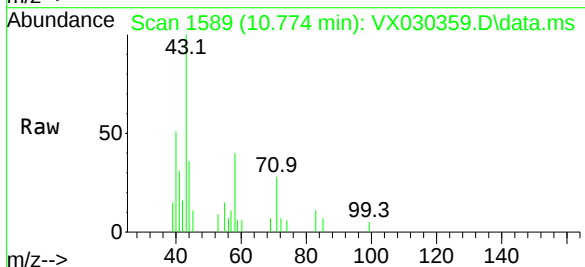
Instrument :
MSVOA_X
ClientSampleId :
PB146634ZHE#06

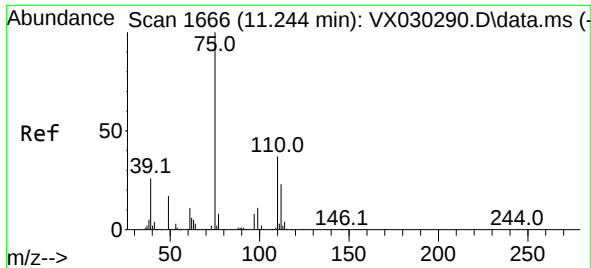
Tgt Ion:152 Resp: 149904
Ion Ratio Lower Upper
152 100
115 61.0 40.5 121.5
150 157.5 0.0 347.0



#74
N-ethyl acetate
Concen: 0.251 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.073 min
Lab File: VX030359.D
Acq: 02 Aug 2022 17:52

Tgt Ion: 43 Resp: 1429
Ion Ratio Lower Upper
43 100
70 0.0 32.3 48.5#
55 21.1 18.4 27.6
61 0.0 19.2 28.8#

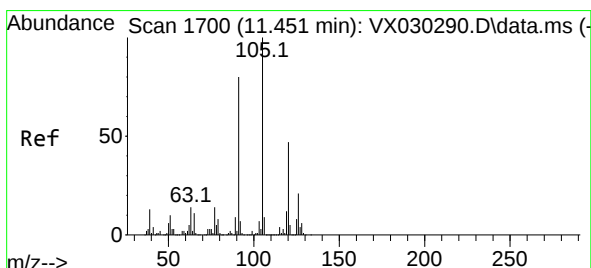
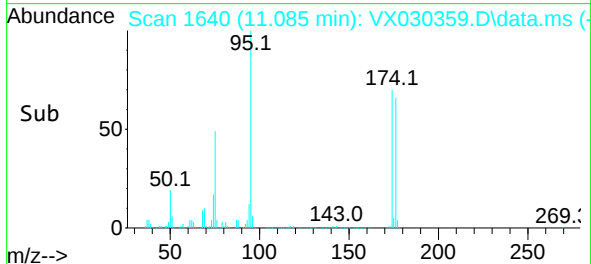
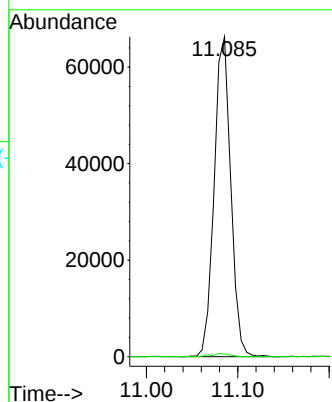
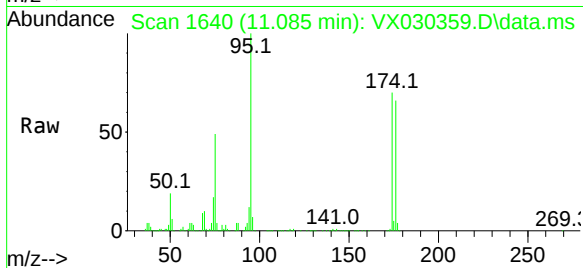




#76
1,2,3-Trichloropropane
Concen: 21.113 ug/l
RT: 11.085 min Scan# 11
Delta R.T. -0.158 min
Lab File: VX030359.D
Acq: 02 Aug 2022 17:52

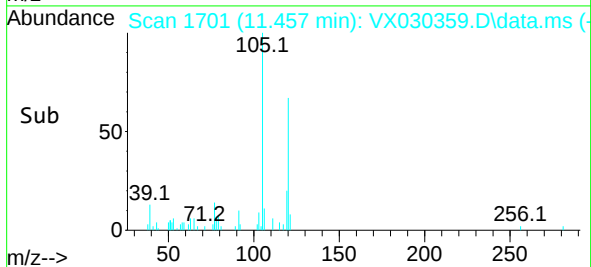
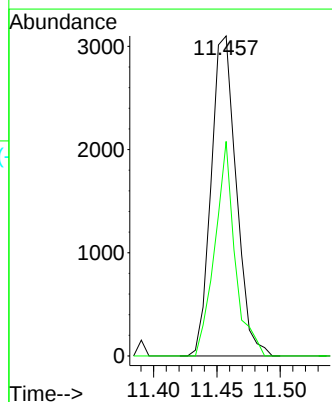
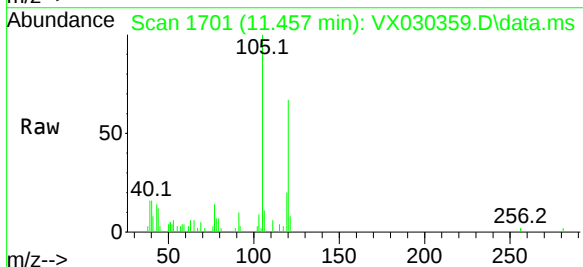
Instrument :
MSVOA_X
ClientSampleId :
PB146634ZHE#06

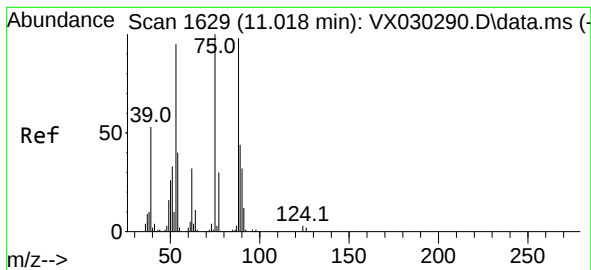
Tgt Ion: 75 Resp: 83426
Ion Ratio Lower Upper
75 100
77 1.1 19.8 59.3#



#80
1,3,5-Trimethylbenzene
Concen: 0.436 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX030359.D
Acq: 02 Aug 2022 17:52

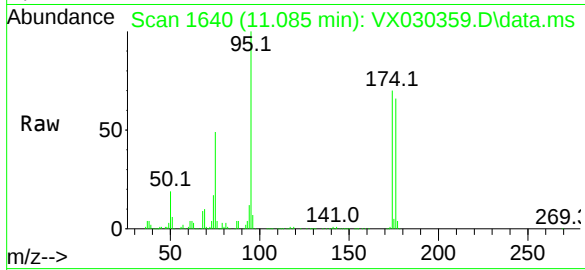
Tgt Ion: 105 Resp: 4274
Ion Ratio Lower Upper
105 100
120 53.7 24.4 73.2





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.338 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX030359.D
 Acq: 02 Aug 2022 17:52

Instrument :
 MSVOA_X
 ClientSampleId :
 PB146634ZHE#06



Tgt Ion: 75 Resp: 83426
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

