

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080222\
 Data File : VX030357.D
 Acq On : 02 Aug 2022 17:05
 Operator : JC/MD
 Sample : PB146634ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB146634ZHE#04

Quant Time: Aug 03 01:09:37 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)

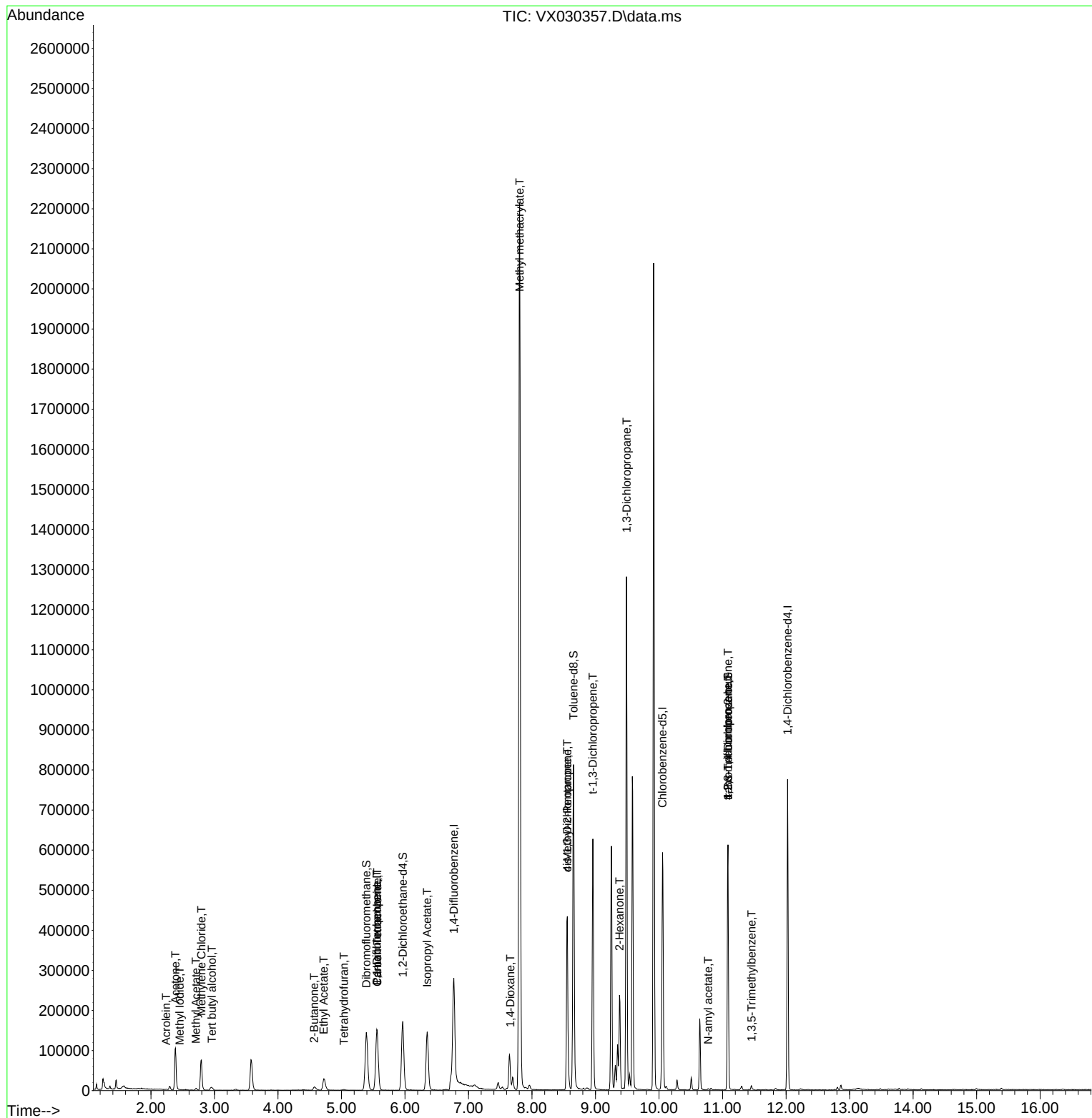
Internal Standards						
1) Pentafluorobenzene	5.556	168	142741	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	259925	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	260764	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	147040	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	159349	55.542	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.080%			
35) Dibromofluoromethane	5.391	113	124951	50.287	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.580%			
50) Toluene-d8	8.653	98	468706	48.709	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.420%			
62) 4-Bromofluorobenzene	11.085	95	168274	47.120	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.240%			
Target Compounds					Qvalue	
5) Bromomethane	1.599	94	362	Below Cal		98
10) Methyl Iodide	2.453	142	38	1.542 ug/l #		1
11) Tert butyl alcohol	2.959	59	6504	9.294 ug/l #		89
13) Acrolein	2.239	56	338	1.965 ug/l #		75
16) Acetone	2.386	43	113779	77.461 ug/l		95
18) Methyl Acetate	2.709	43	5293	1.218 ug/l		100
20) Methylene Chloride	2.794	84	33729	11.441 ug/l		94
25) 2-Butanone	4.568	43	15447	6.258 ug/l		95
29) Tetrahydrofuran	5.038	42	1944	1.171 ug/l #		80
36) 1,1-Dichloropropene	5.556	75	11703	3.273 ug/l #		48
37) Ethyl Acetate	4.721	43	52967	10.460 ug/l		97
38) Carbon Tetrachloride	5.562	117	14192	4.251 ug/l #		19
43) Isopropyl Acetate	6.348	43	204254	27.515 ug/l		97
48) Methyl methacrylate	7.805	41	187280	51.256 ug/l #		40
49) 1,4-Dioxane	7.659	88	44	0.521 ug/l #		1
51) 4-Methyl-2-Pentanone	8.555	43	156608	31.076 ug/l #		51
53) t-1,3-Dichloropropene	8.958	75	1242	0.311 ug/l #		42
54) cis-1,3-Dichloropropene	8.555	75	67823	15.564 ug/l #		61
57) 1,3-Dichloropropane	9.488	76	10497	2.176 ug/l #		42
59) 2-Hexanone	9.378	43	185118	46.560 ug/l #		24
67) Ethyl Benzene	10.201	91	304	Below Cal #		43
74) N-amyl acetate	10.774	43	1668	0.299 ug/l #		56
76) 1,2,3-Trichloropropane	11.085	75	83324	21.498 ug/l #		37
80) 1,3,5-Trimethylbenzene	11.457	105	4625	0.481 ug/l		92
81) trans-1,4-Dichloro-2-b...	11.085	75	83324	64.492 ug/l #		13

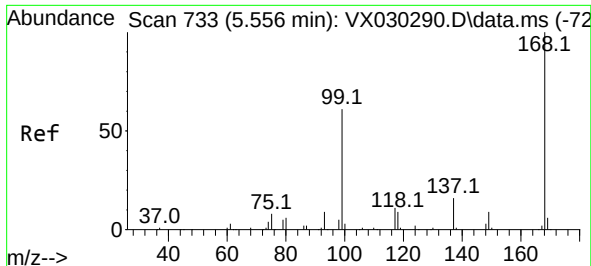
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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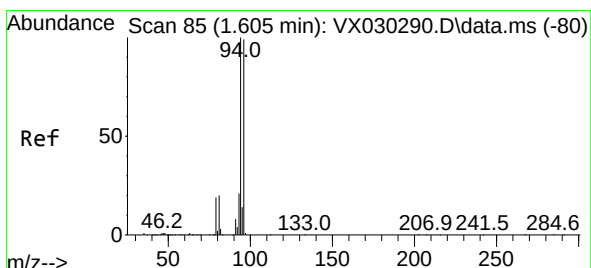
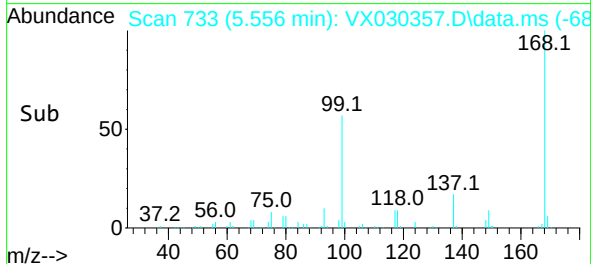
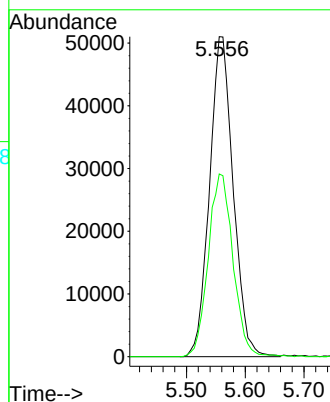
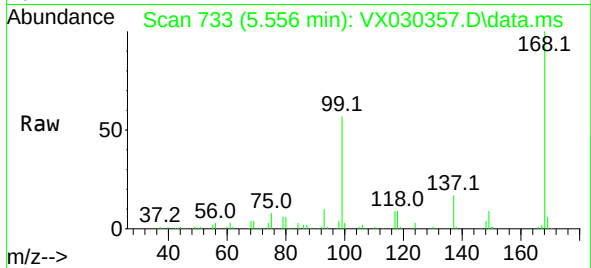




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030357.D
Acq: 02 Aug 2022 17:05

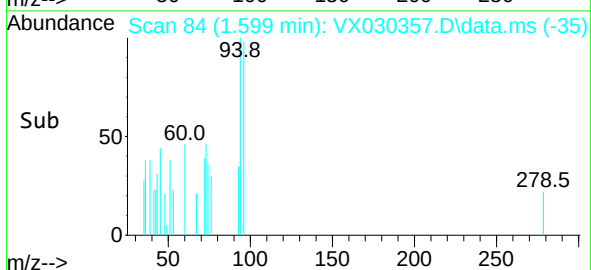
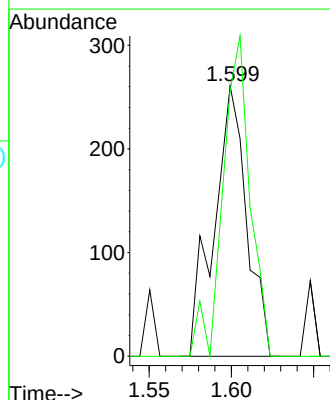
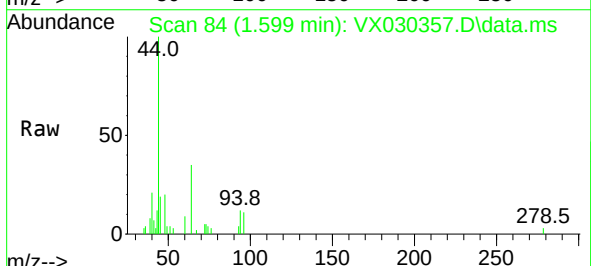
Instrument :
MSVOA_X
ClientSampleId :
PB146634ZHE#04

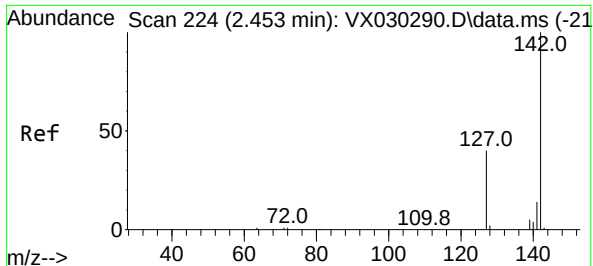
Tgt Ion:168 Resp: 142741
Ion Ratio Lower Upper
168 100
99 57.1 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX030357.D
Acq: 02 Aug 2022 17:05

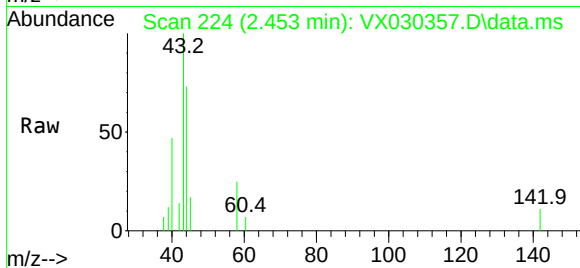
Tgt Ion: 94 Resp: 362
Ion Ratio Lower Upper
94 100
96 98.1 76.9 115.3



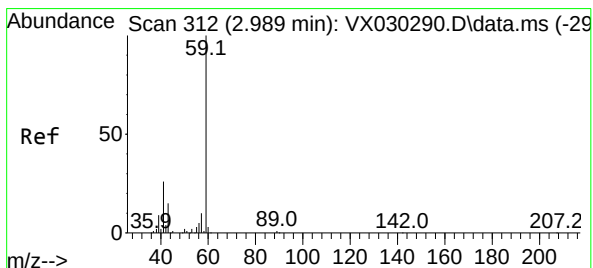
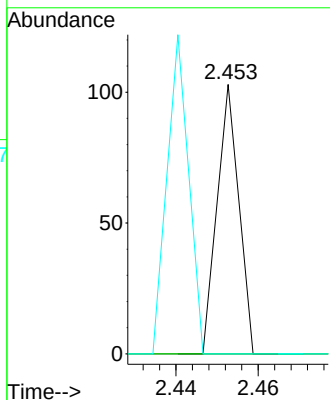
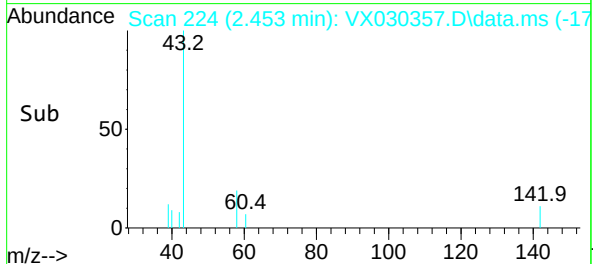


#10
Methyl Iodide
Concen: 1.542 ug/l
RT: 2.453 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX030357.D
Acq: 02 Aug 2022 17:05

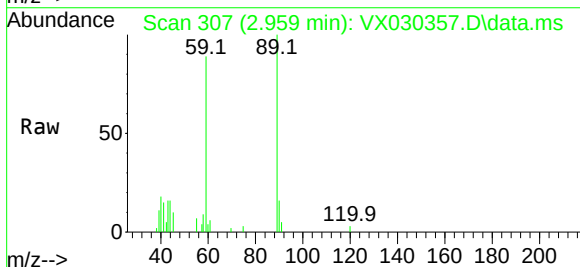
Instrument :
MSVOA_X
ClientSampleId :
PB146634ZHE#04



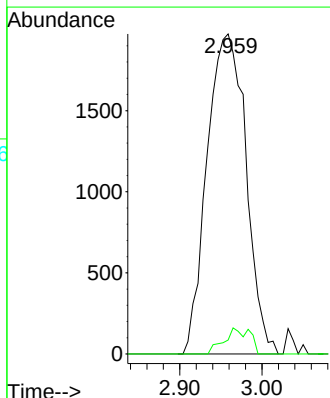
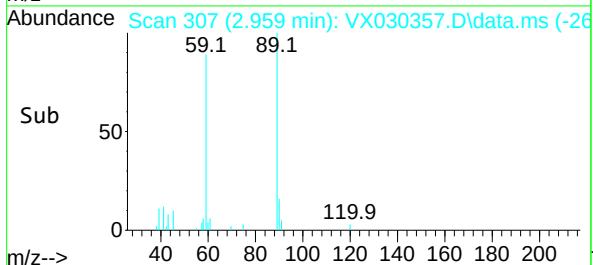
Tgt Ion:142 Resp: 38
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 118.4 11.3 16.9#

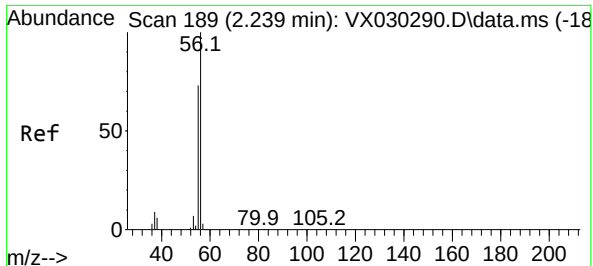


#11
Tert butyl alcohol
Concen: 9.294 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX030357.D
Acq: 02 Aug 2022 17:05



Tgt Ion: 59 Resp: 6504
Ion Ratio Lower Upper
59 100
57 5.4 7.4 11.2#

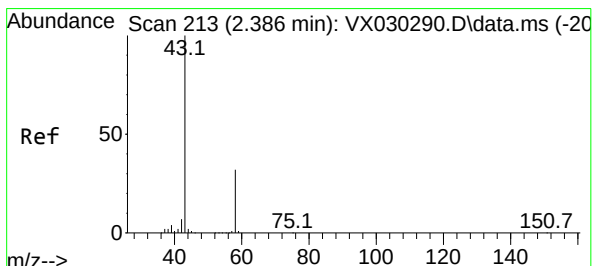
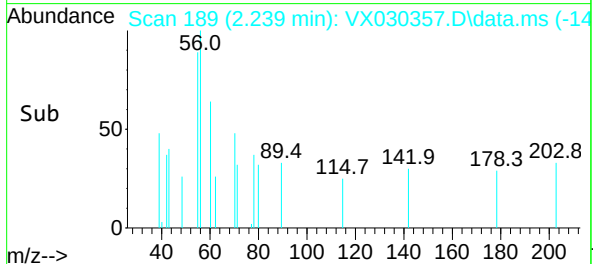
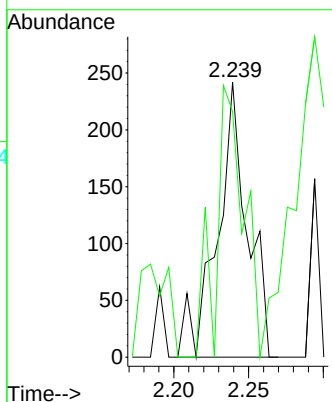
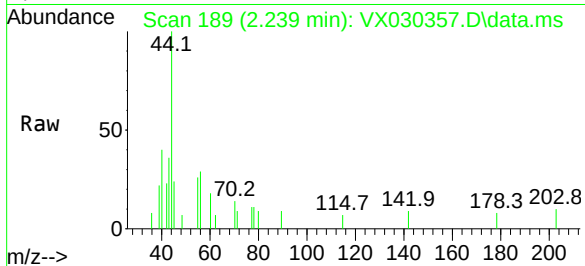




#13
Acrolein
Concen: 1.965 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX030357.D
Acq: 02 Aug 2022 17:05

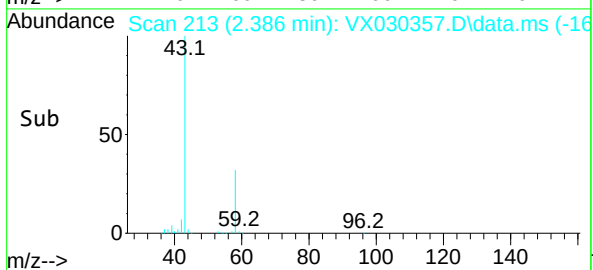
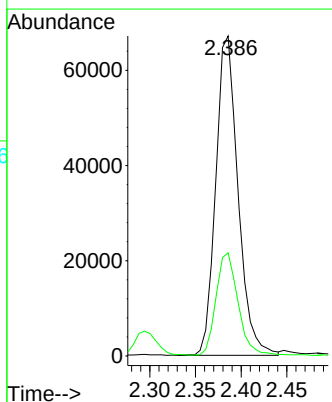
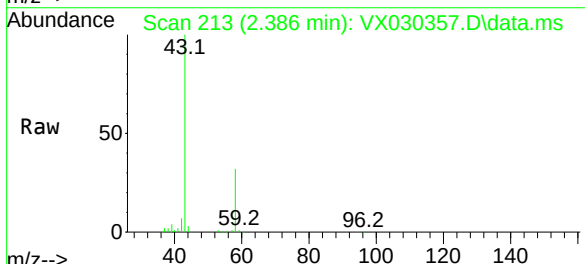
Instrument :
MSVOA_X
ClientSampleId :
PB146634ZHE#04

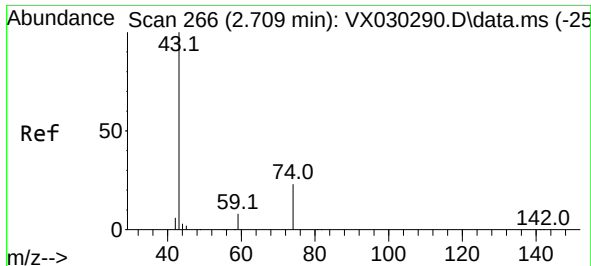
Tgt Ion: 56 Resp: 338
Ion Ratio Lower Upper
56 100
55 91.1 56.6 84.8#



#16
Acetone
Concen: 77.461 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.001 min
Lab File: VX030357.D
Acq: 02 Aug 2022 17:05

Tgt Ion: 43 Resp: 113779
Ion Ratio Lower Upper
43 100
58 31.9 27.7 41.5

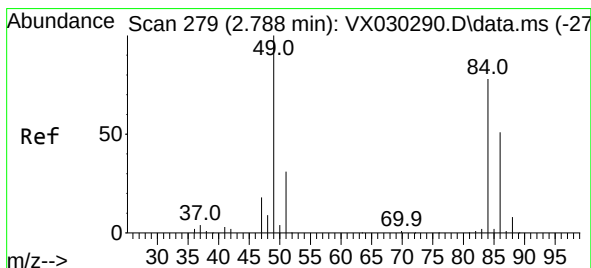
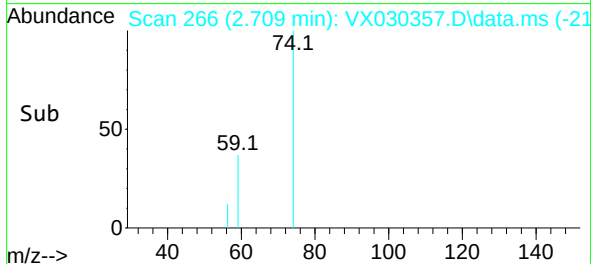
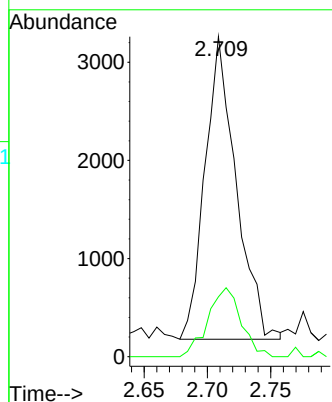
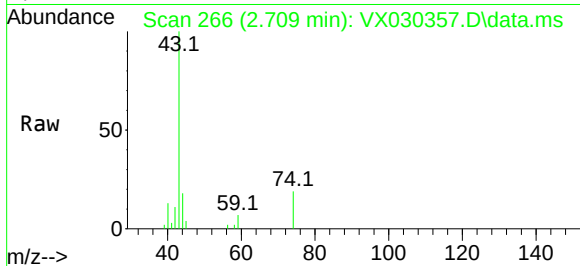




#18
Methyl Acetate
Concen: 1.218 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.001 min
Lab File: VX030357.D
Acq: 02 Aug 2022 17:05

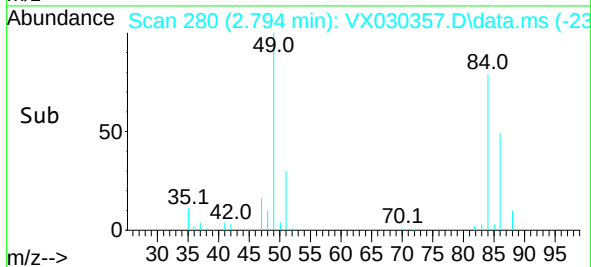
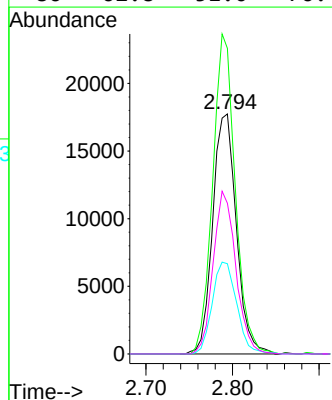
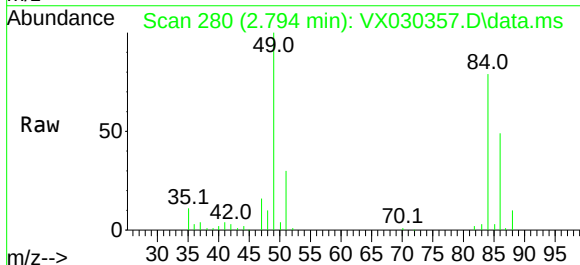
Instrument :
MSVOA_X
ClientSampleId :
PB146634ZHE#04

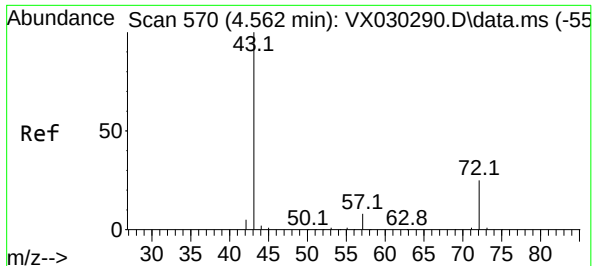
Tgt Ion: 43 Resp: 5293
Ion Ratio Lower Upper
43 100
74 24.1 19.4 29.2



#20
Methylene Chloride
Concen: 11.441 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX030357.D
Acq: 02 Aug 2022 17:05

Tgt Ion: 84 Resp: 33729
Ion Ratio Lower Upper
84 100
49 127.3 93.8 140.6
51 37.6 29.4 44.0
86 62.8 51.0 76.4





#25

2-Butanone

Concen: 6.258 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX030357.D

Acq: 02 Aug 2022 17:05

Instrument :

MSVOA_X

ClientSampleId :

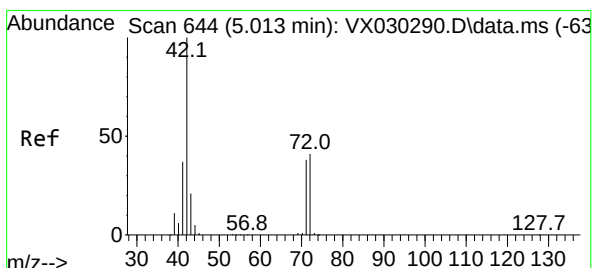
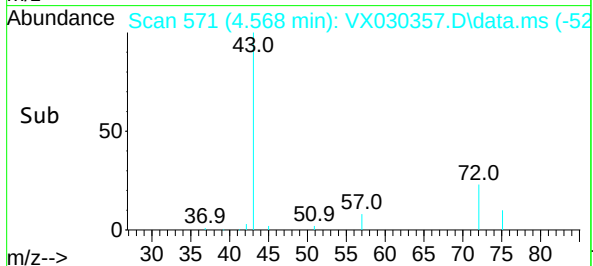
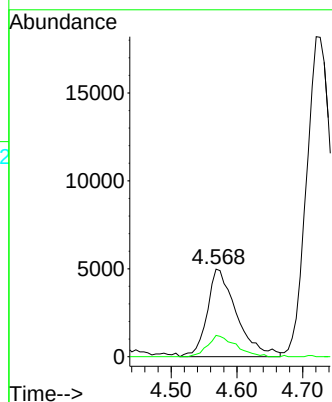
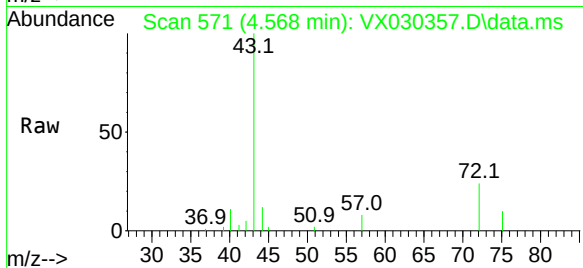
PB146634ZHE#04

Tgt Ion: 43 Resp: 15447

Ion Ratio Lower Upper

43 100

72 24.3 21.7 32.5



#29

Tetrahydrofuran

Concen: 1.171 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.025 min

Lab File: VX030357.D

Acq: 02 Aug 2022 17:05

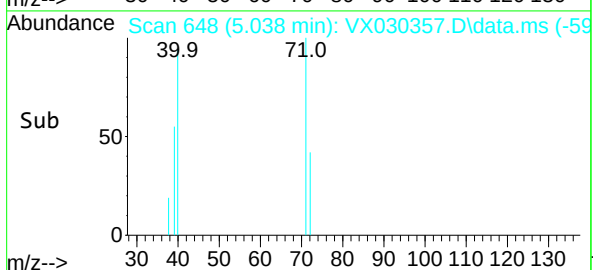
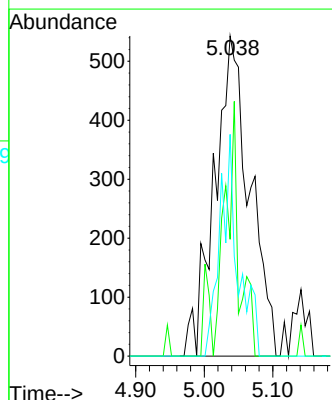
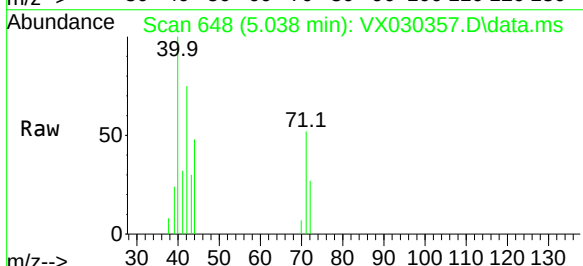
Tgt Ion: 42 Resp: 1944

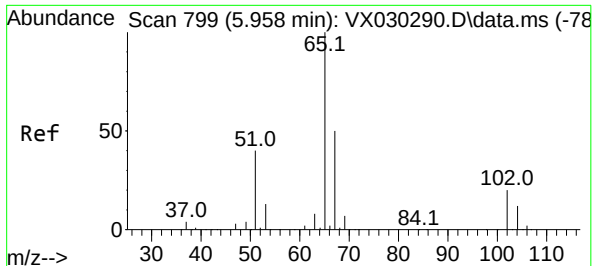
Ion Ratio Lower Upper

42 100

72 26.4 36.5 54.7#

71 35.4 33.9 50.9





#33

1,2-Dichloroethane-d4

Concen: 55.542 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX030357.D

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Instrument :

MSVOA_X

ClientSampleId :

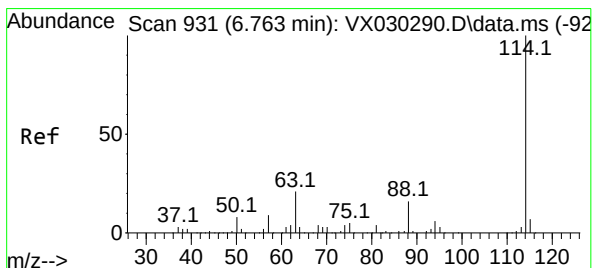
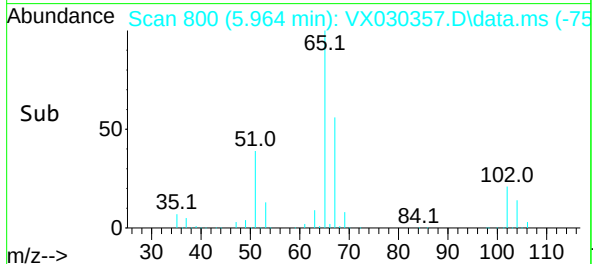
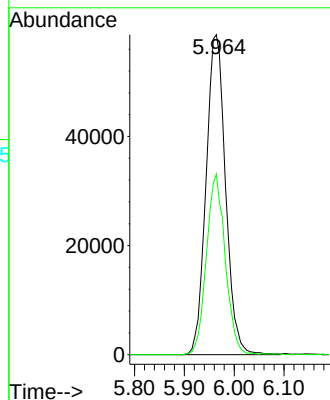
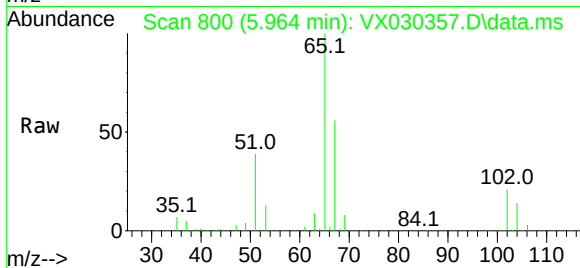
PB146634ZHE#04

Tgt Ion: 65 Resp: 159349

Ion Ratio Lower Upper

65 100

67 54.4 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: VX030357.D

Acq: 02 Aug 2022 17:05

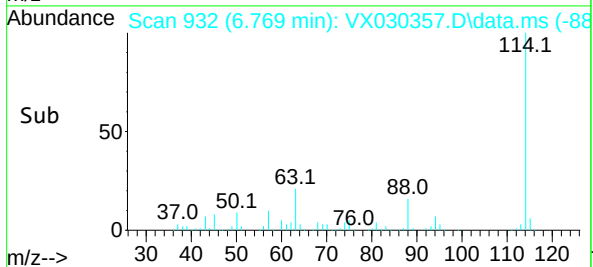
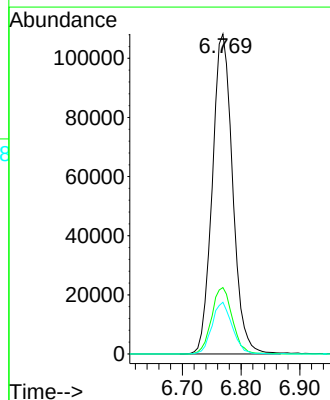
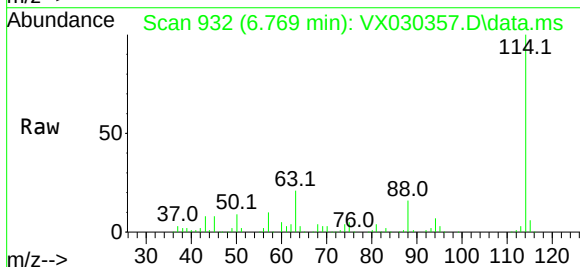
Tgt Ion: 114 Resp: 259925

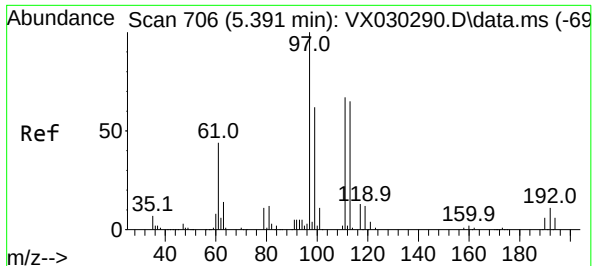
Ion Ratio Lower Upper

114 100

63 20.7 0.0 38.4

88 16.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.287 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030357.D

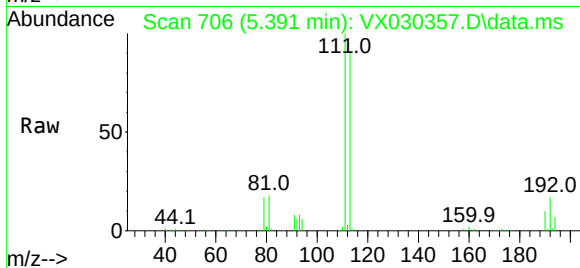
Acq: 02 Aug 2022 17:05

Instrument :

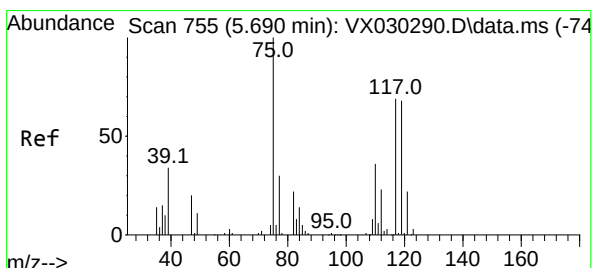
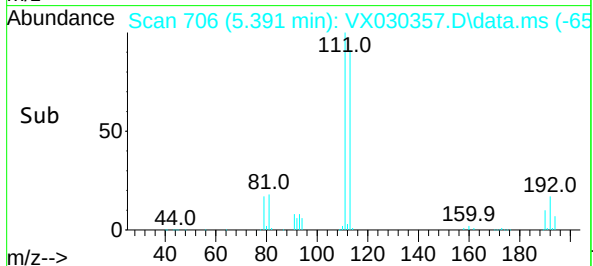
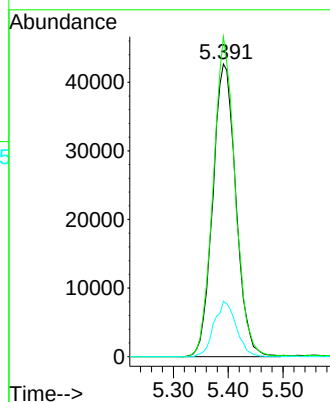
MSVOA_X

ClientSampleId :

PB146634ZHE#04



Tgt Ion:	113	Resp:	124951
Ion	Ratio	Lower	Upper
113	100		
111	104.3	83.2	124.8
192	18.2	14.8	22.2



#36

1,1-Dichloropropene

Concen: 3.273 ug/l

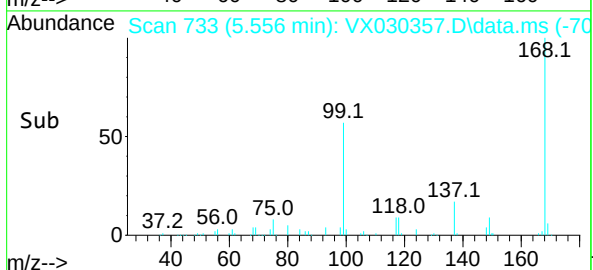
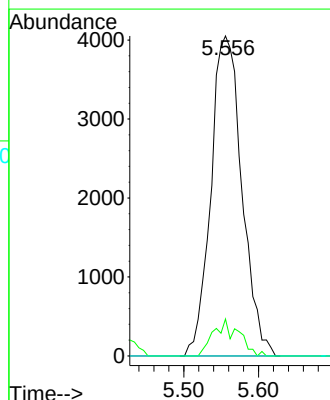
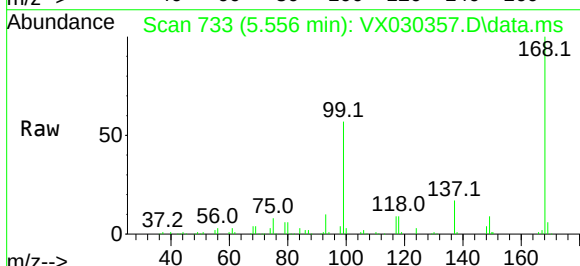
RT: 5.556 min Scan# 733

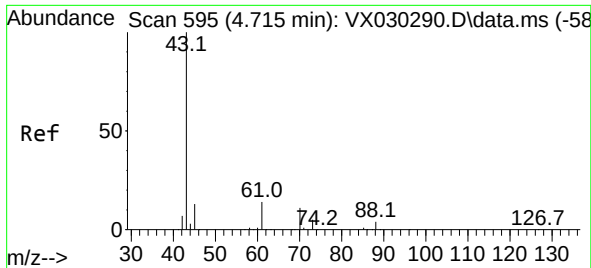
Delta R.T. -0.140 min

Lab File: VX030357.D

Acq: 02 Aug 2022 17:05

Tgt Ion:	75	Resp:	11703
Ion	Ratio	Lower	Upper
75	100		
110	9.4	19.3	57.9#
77	0.0	24.4	36.6#

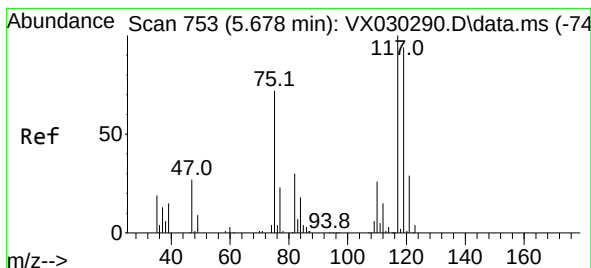
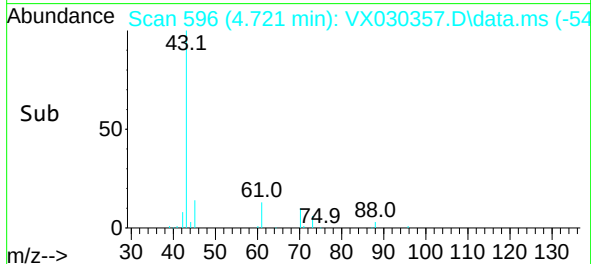
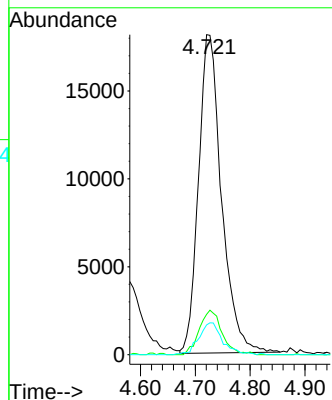
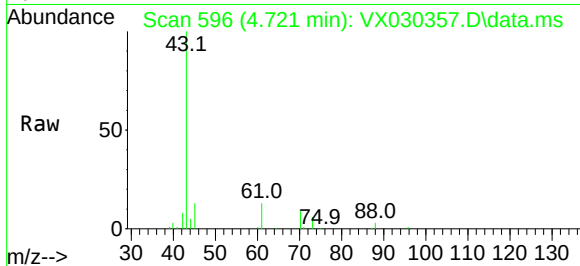




#37
Ethyl Acetate
Concen: 10.460 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.001 min
Lab File: VX030357.D
Acq: 02 Aug 2022 17:05

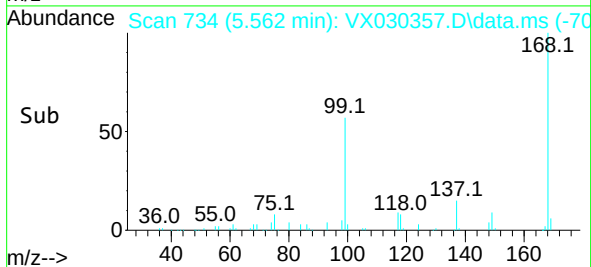
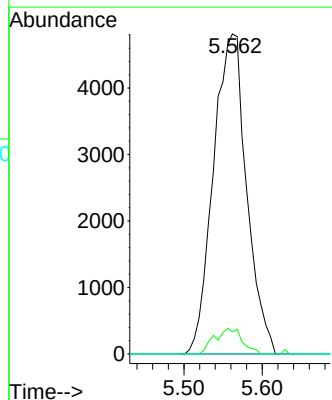
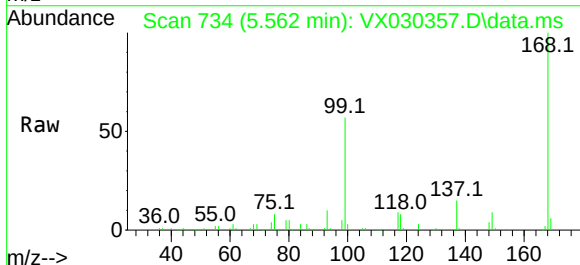
Instrument :
MSVOA_X
ClientSampleId :
PB146634ZHE#04

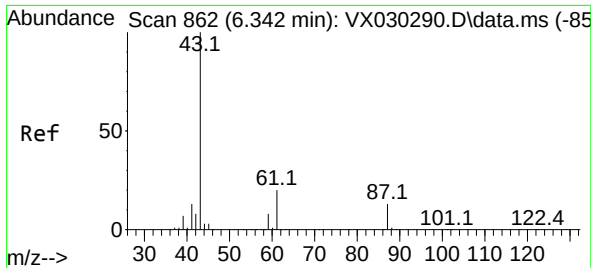
Tgt Ion: 43	Resp: 52967
Ion Ratio	Lower Upper
43 100	
61 13.8	11.7 17.5
70 10.2	9.3 13.9



#38
Carbon Tetrachloride
Concen: 4.251 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.121 min
Lab File: VX030357.D
Acq: 02 Aug 2022 17:05

Tgt Ion: 117	Resp: 14192
Ion Ratio	Lower Upper
117 100	
119 6.9	74.1 111.1#
121 0.0	25.8 38.8#

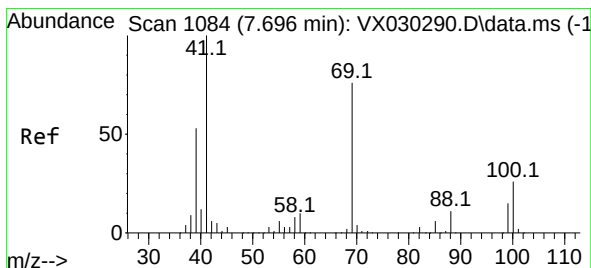
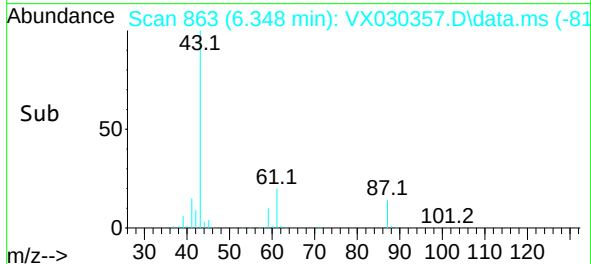
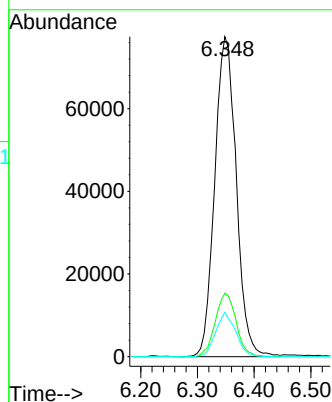
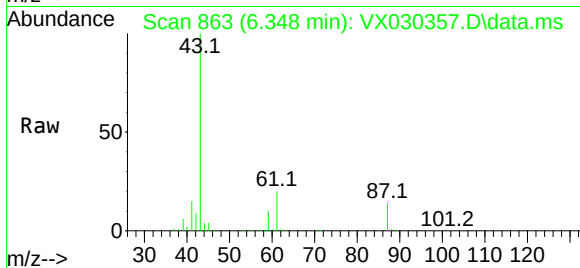




#43
Isopropyl Acetate
Concen: 27.515 ug/l
RT: 6.348 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX030357.D
Acq: 02 Aug 2022 17:05

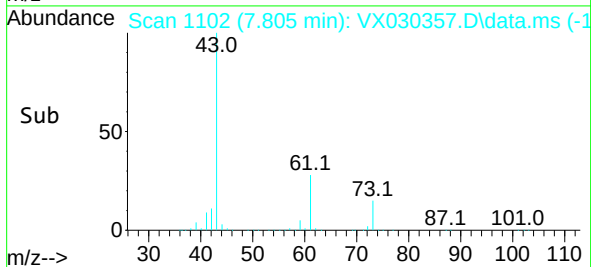
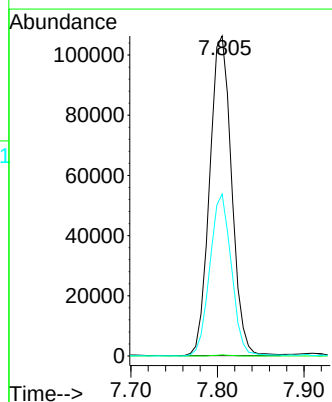
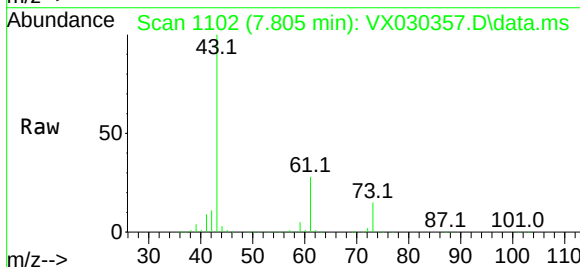
Instrument :
MSVOA_X
ClientSampleId :
PB146634ZHE#04

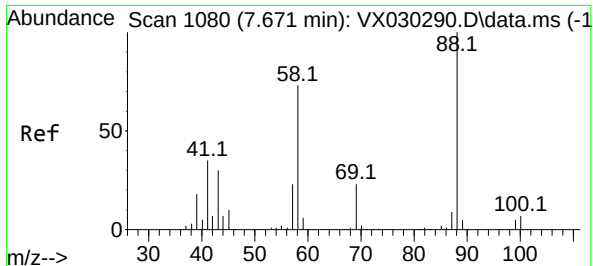
Tgt Ion: 43 Resp: 204254
Ion Ratio Lower Upper
43 100
61 19.3 16.5 24.7
87 12.9 11.1 16.7



#48
Methyl methacrylate
Concen: 51.256 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.110 min
Lab File: VX030357.D
Acq: 02 Aug 2022 17:05

Tgt Ion: 41 Resp: 187280
Ion Ratio Lower Upper
41 100
69 0.2 68.8 103.2#
39 49.8 44.6 66.8





#49

1,4-Dioxane

Concen: 0.521 ug/l

RT: 7.659 min Scan# 1080

Delta R.T. -0.006 min

Lab File: VX030357.D

Acq: 02 Aug 2022 17:05

Instrument :

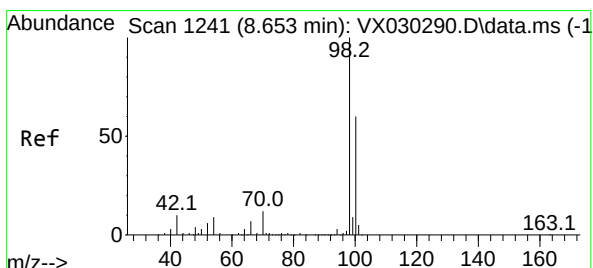
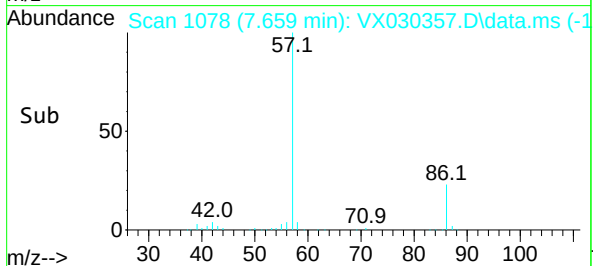
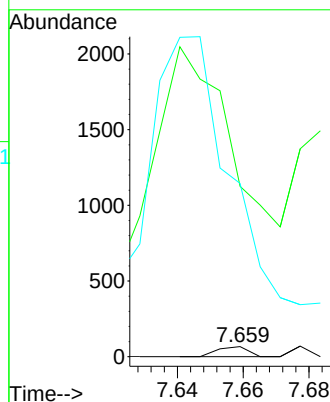
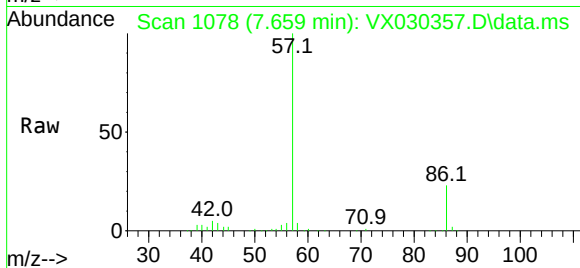
MSVOA_X

ClientSampleId :

PB146634ZHE#04

Tgt Ion: 88 Resp: 44

Ion	Ratio	Lower	Upper
88	100		
43	0.0	23.8	35.8#
58	9440.9	53.8	80.6#



#50

Toluene-d8

Concen: 48.709 ug/l

RT: 8.653 min Scan# 1241

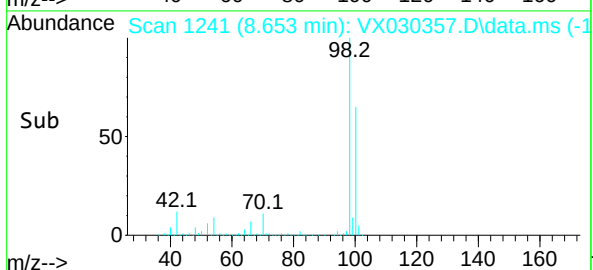
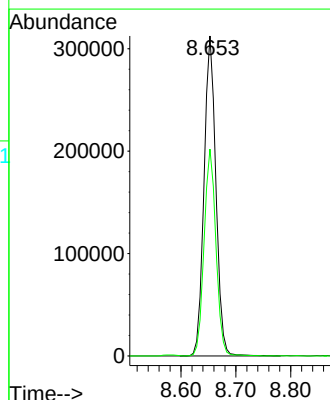
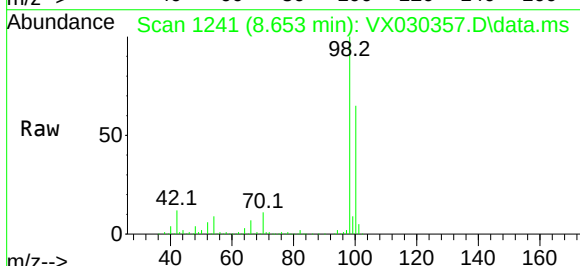
Delta R.T. 0.001 min

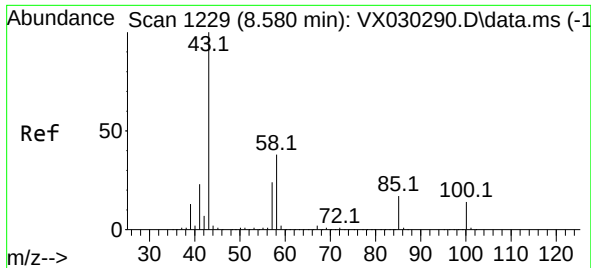
Lab File: VX030357.D

Acq: 02 Aug 2022 17:05

Tgt Ion: 98 Resp: 468706

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.3	78.5

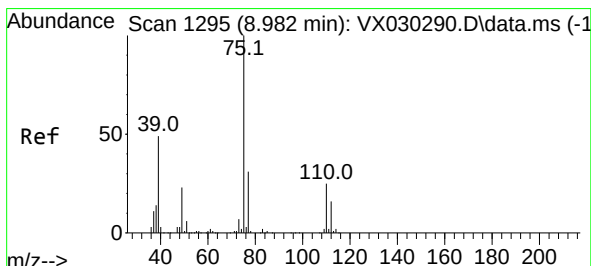
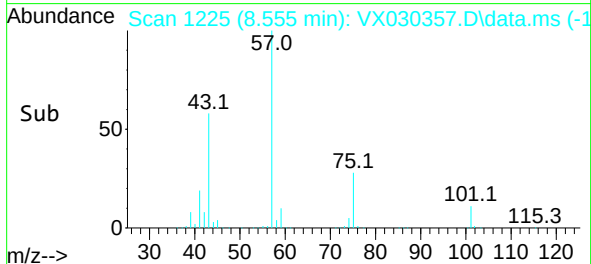
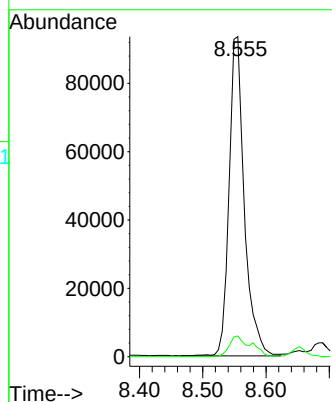
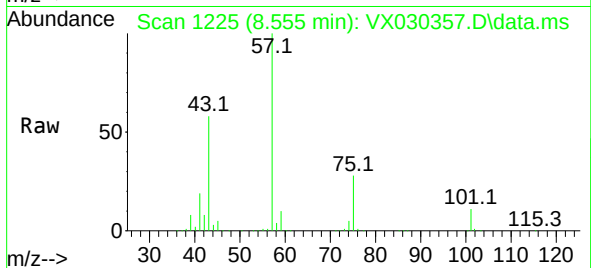




#51
4-Methyl-2-Pentanone
Concen: 31.076 ug/l
RT: 8.555 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX030357.D
Acq: 02 Aug 2022 17:05

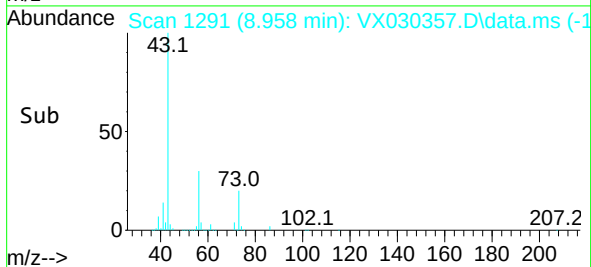
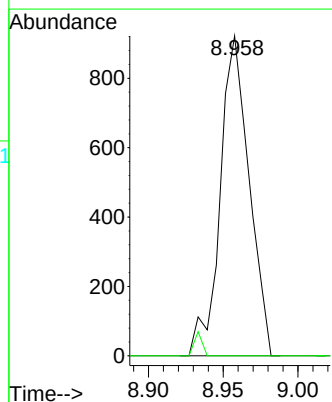
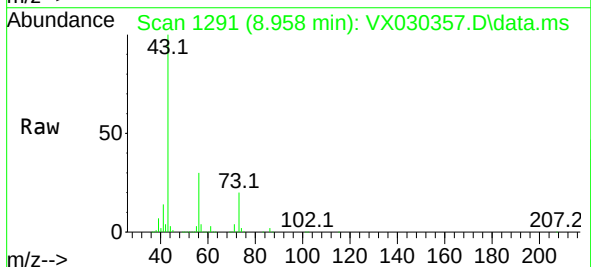
Instrument :
MSVOA_X
ClientSampleId :
PB146634ZHE#04

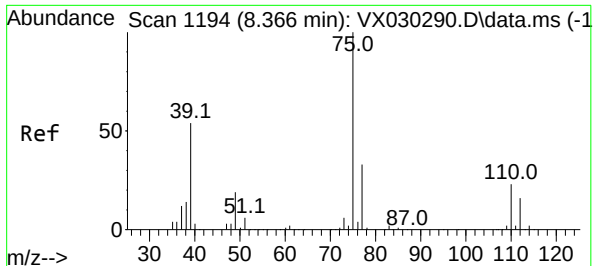
Tgt Ion: 43 Resp: 156608
Ion Ratio Lower Upper
43 100
58 9.3 31.4 47.2#



#53
t-1,3-Dichloropropene
Concen: 0.311 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.024 min
Lab File: VX030357.D
Acq: 02 Aug 2022 17:05

Tgt Ion: 75 Resp: 1242
Ion Ratio Lower Upper
75 100
77 0.0 26.3 39.5#

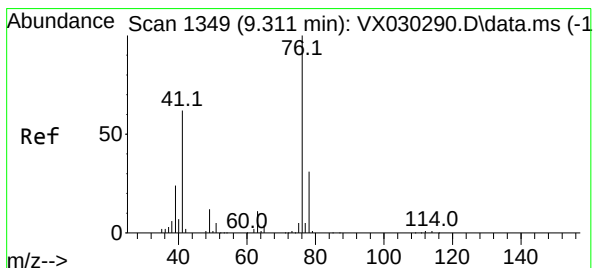
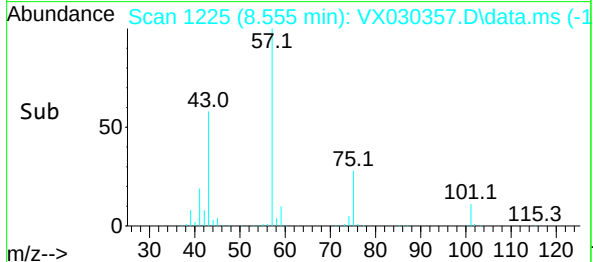
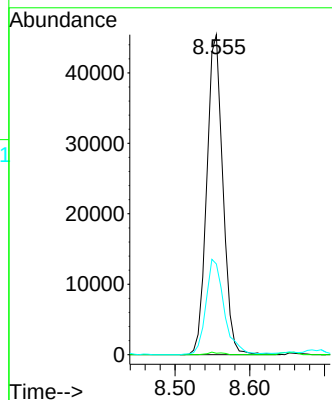
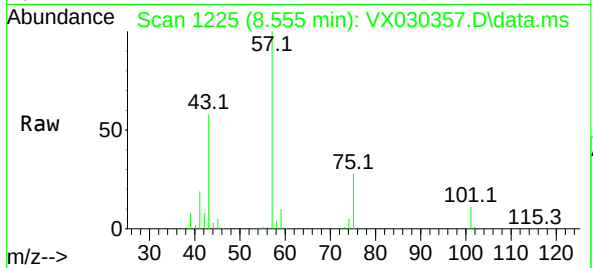




#54
 cis-1,3-Dichloropropene
 Concen: 15.564 ug/l
 RT: 8.555 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX030357.D
 Acq: 02 Aug 2022 17:05

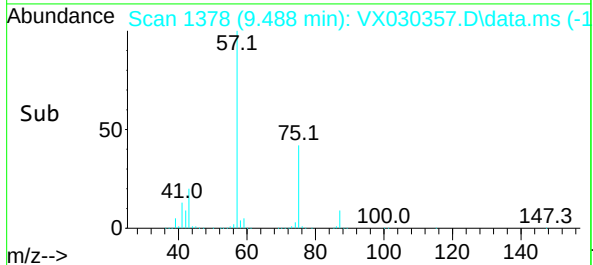
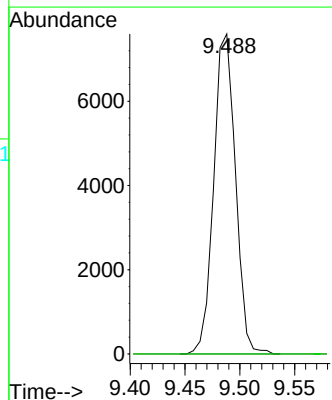
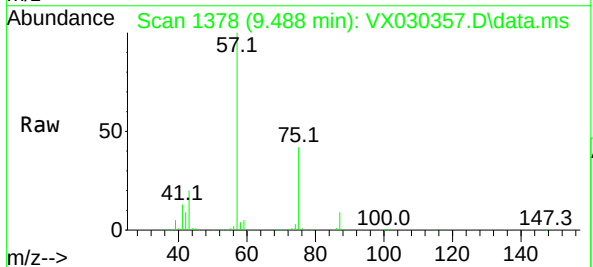
Instrument :
 MSVOA_X
 ClientSampleId :
 PB146634ZHE#04

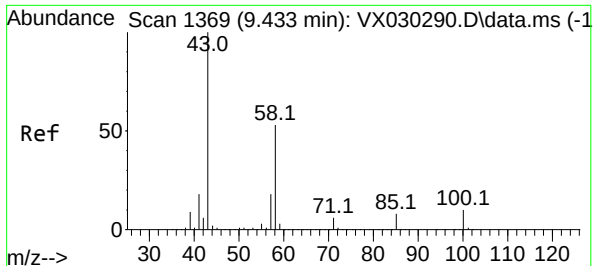
Tgt Ion: 75 Resp: 67823
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.0 37.4#
 39 28.3 37.5 56.3#



#57
 1,3-Dichloropropane
 Concen: 2.176 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX030357.D
 Acq: 02 Aug 2022 17:05

Tgt Ion: 76 Resp: 10497
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#





#59

2-Hexanone

Concen: 46.560 ug/l

RT: 9.378 min Scan# 11

Delta R.T. -0.055 min

Lab File: VX030357.D

Acq: 02 Aug 2022 17:05

Instrument :

MSVOA_X

ClientSampleId :

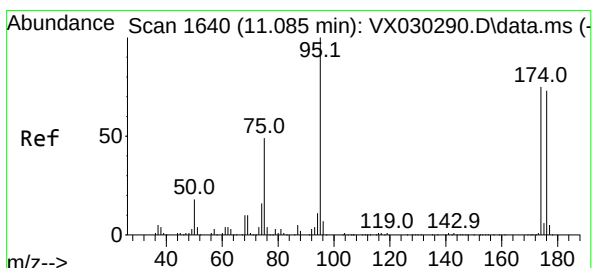
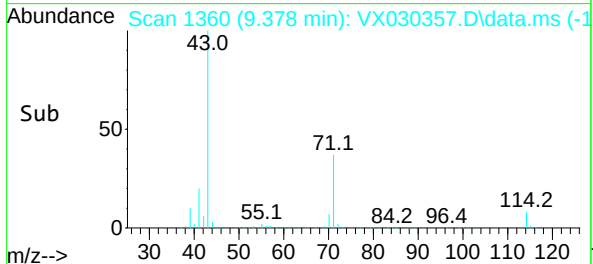
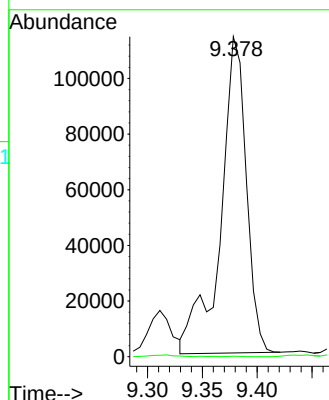
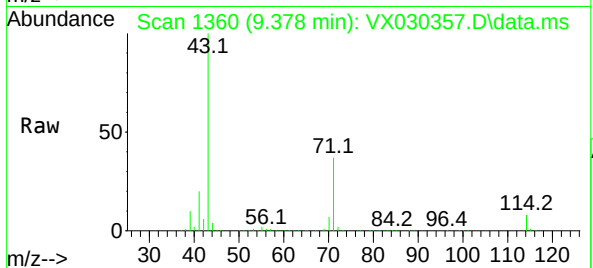
PB146634ZHE#04

Tgt Ion: 43 Resp: 185118

Ion Ratio Lower Upper

43 100

58 0.0 27.6 82.8#



#62

4-Bromofluorobenzene

Concen: 47.120 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX030357.D

Acq: 02 Aug 2022 17:05

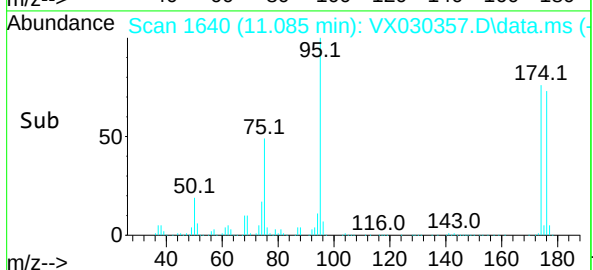
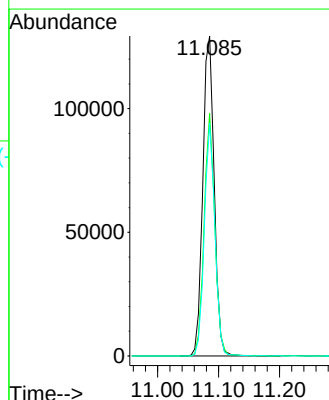
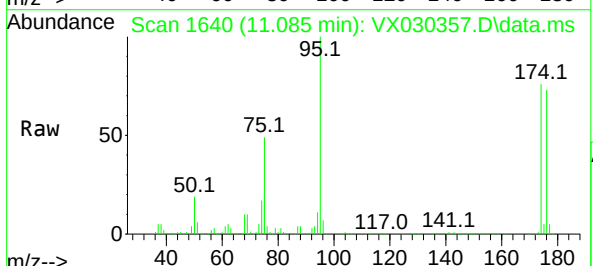
Tgt Ion: 95 Resp: 168274

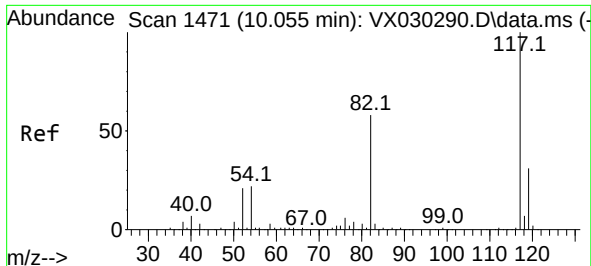
Ion Ratio Lower Upper

95 100

174 71.2 0.0 149.0

176 67.4 0.0 146.0

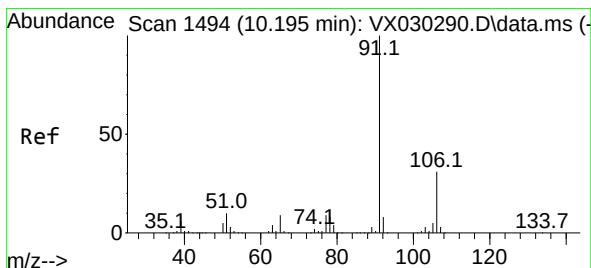
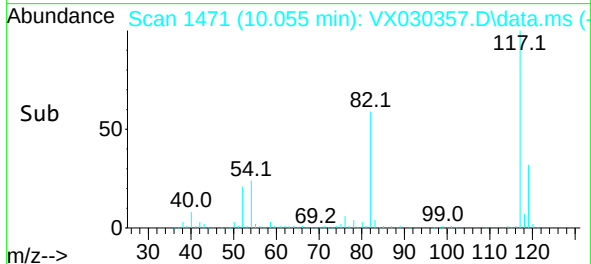
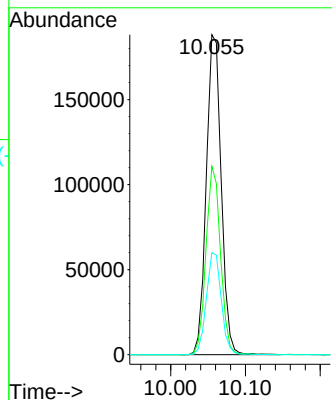
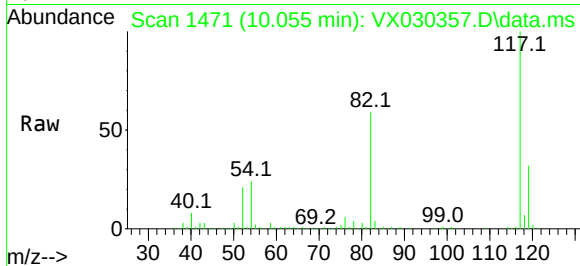




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030357.D
Acq: 02 Aug 2022 17:05

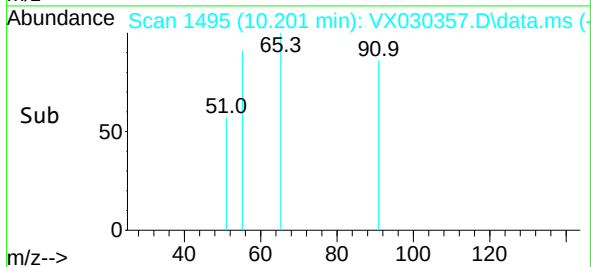
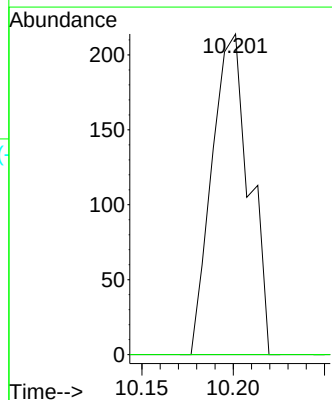
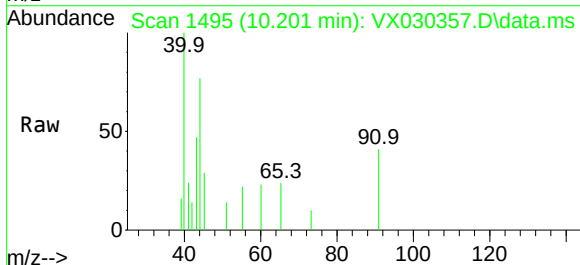
Instrument :
MSVOA_X
ClientSampleId :
PB146634ZHE#04

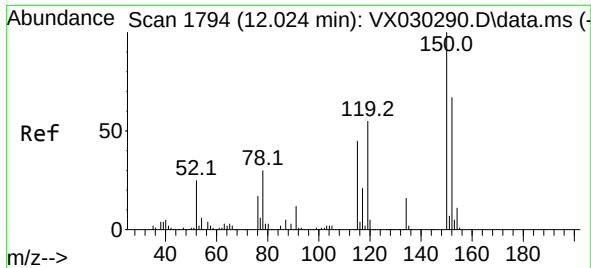
Tgt Ion:117 Resp: 260764
Ion Ratio Lower Upper
117 100
82 58.9 42.7 64.1
119 31.9 25.4 38.2



#67
Ethyl Benzene
Concen: Below Cal
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX030357.D
Acq: 02 Aug 2022 17:05

Tgt Ion: 91 Resp: 304
Ion Ratio Lower Upper
91 100
106 0.0 25.5 38.3#

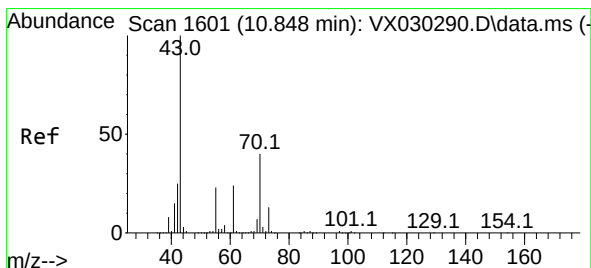
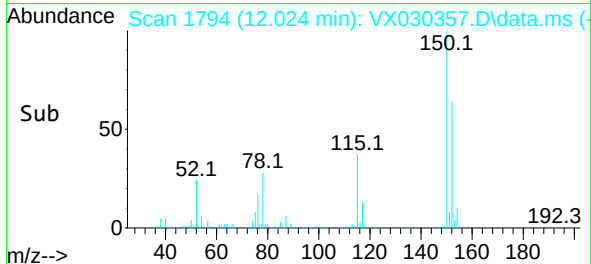
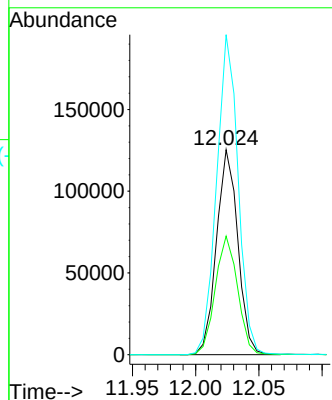
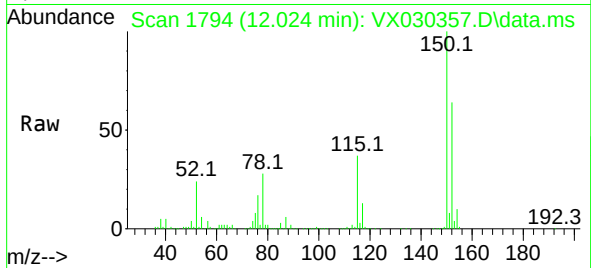




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030357.D
 Acq: 02 Aug 2022 17:05

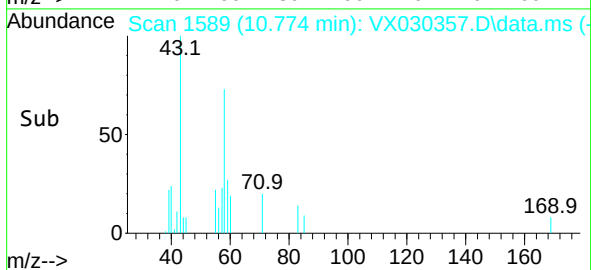
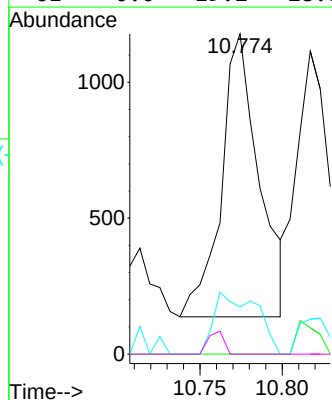
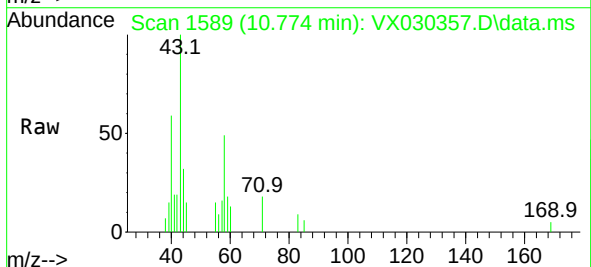
Instrument :
 MSVOA_X
 ClientSampleId :
 PB146634ZHE#04

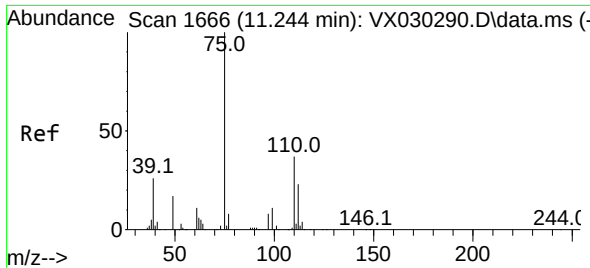
Tgt Ion:152 Resp: 147040
 Ion Ratio Lower Upper
 152 100
 115 60.8 40.5 121.5
 150 157.9 0.0 347.0



#74
 N-ethyl acetate
 Concen: 0.299 ug/l
 RT: 10.774 min Scan# 1589
 Delta R.T. -0.073 min
 Lab File: VX030357.D
 Acq: 02 Aug 2022 17:05

Tgt Ion: 43 Resp: 1668
 Ion Ratio Lower Upper
 43 100
 70 0.0 32.3 48.5#
 55 24.6 18.4 27.6
 61 0.0 19.2 28.8#

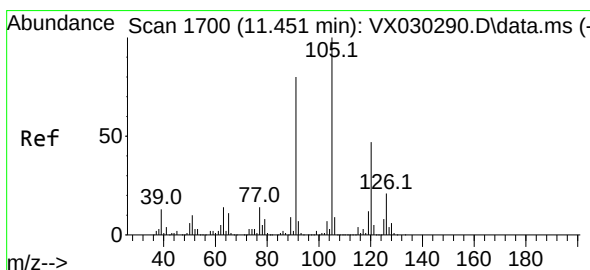
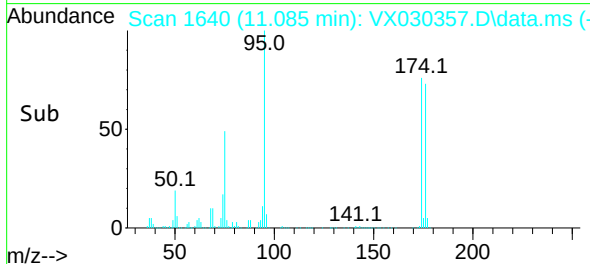
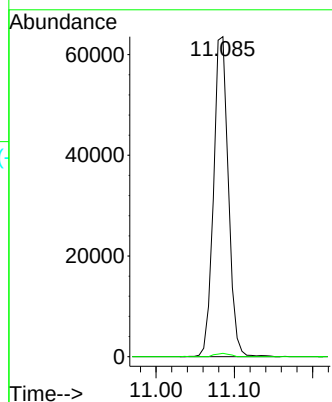
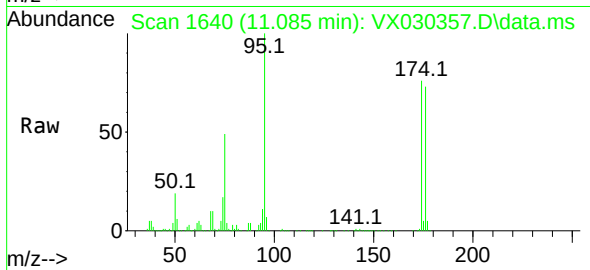




#76
1,2,3-Trichloropropane
Concen: 21.498 ug/l
RT: 11.085 min Scan# 110
Delta R.T. -0.158 min
Lab File: VX030357.D
Acq: 02 Aug 2022 17:05

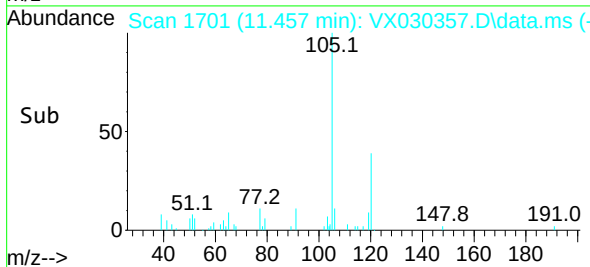
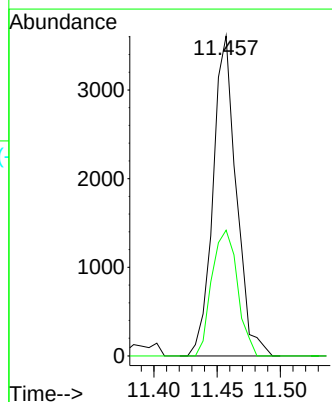
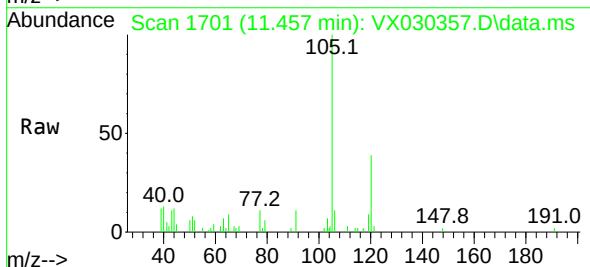
Instrument :
MSVOA_X
ClientSampleId :
PB146634ZHE#04

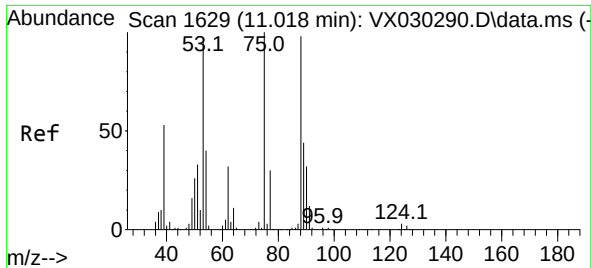
Tgt Ion: 75 Resp: 83324
Ion Ratio Lower Upper
75 100
77 1.0 19.8 59.3#



#80
1,3,5-Trimethylbenzene
Concen: 0.481 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX030357.D
Acq: 02 Aug 2022 17:05

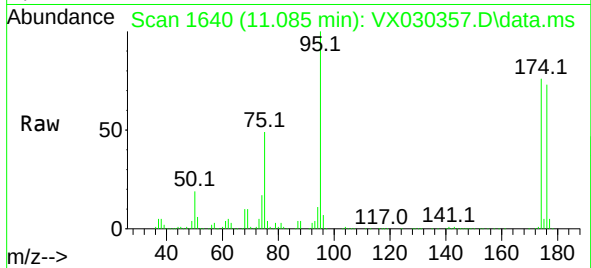
Tgt Ion: 105 Resp: 4625
Ion Ratio Lower Upper
105 100
120 43.2 24.4 73.2





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.492 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX030357.D
 Acq: 02 Aug 2022 17:05

Instrument :
 MSVOA_X
 ClientSampleId :
 PB146634ZHE#04



Tgt Ion: 75 Resp: 83324
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.2 111.4#
 89 0.0 34.8 52.2#

