

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071122\
 Data File : VX029999.D
 Acq On : 11 Jul 2022 15:56
 Operator : JC/MD
 Sample : PB146125ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB146125ZHE#04

Quant Time: Jul 12 02:03:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 05:54:51 2022
 Response via : Initial Calibration

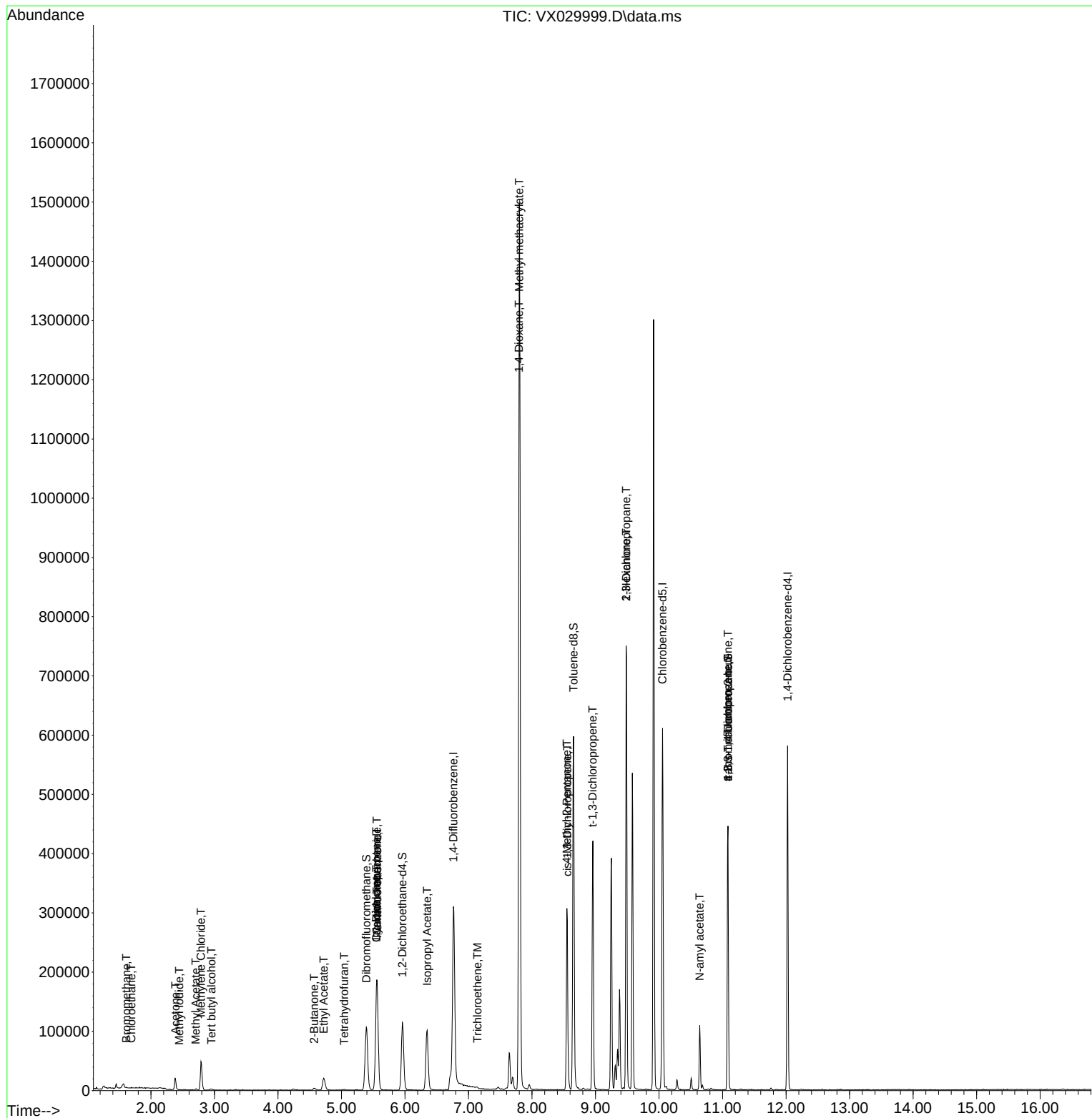
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	187768	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	323270	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	282451	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	121753	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	101005	42.496	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	85.000%
35) Dibromofluoromethane	5.391	113	96225	47.630	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.260%
50) Toluene-d8	8.653	98	364530	48.097	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.200%
62) 4-Bromofluorobenzene	11.085	95	121866	45.488	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.980%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	374	0.323	ug/l #	54
6) Chloroethane	1.691	64	167	1.143	ug/l #	41
10) Methyl Iodide	2.447	142	299	1.985	ug/l #	56
11) Tert butyl alcohol	2.953	59	1584	2.548	ug/l #	74
13) Acrolein	2.239	56	121	Below Cal	#	35
16) Acetone	2.386	43	20902	17.975	ug/l	98
18) Methyl Acetate	2.703	43	2446	0.682	ug/l #	90
20) Methylene Chloride	2.788	84	22528	9.173	ug/l	93
25) 2-Butanone	4.568	43	6133	3.039	ug/l	98
29) Tetrahydrofuran	5.044	42	1186	0.893	ug/l #	78
31) Cyclohexane	5.550	56	3860	1.165	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	13099	4.875	ug/l #	49
37) Ethyl Acetate	4.721	43	34510	9.391	ug/l	96
38) Carbon Tetrachloride	5.556	117	17771	7.633	ug/l #	19
43) Isopropyl Acetate	6.348	43	139626	25.231	ug/l	98
44) Trichloroethene	7.141	130	934	0.399	ug/l	55
48) Methyl methacrylate	7.799	41	120296	45.848	ug/l #	41
49) 1,4-Dioxane	7.793	88	283	4.555	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	99931	27.385	ug/l #	50
53) t-1,3-Dichloropropene	8.952	75	914	0.319	ug/l #	42
54) cis-1,3-Dichloropropene	8.555	75	51878	16.007	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	6439	1.752	ug/l #	43
59) 2-Hexanone	9.482	43	85332	30.133	ug/l #	53
74) N-amyl acetate	10.640	43	26201	6.007	ug/l #	55
76) 1,2,3-Trichloropropane	11.085	75	55899	19.179	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	55899	60.908	ug/l #	12

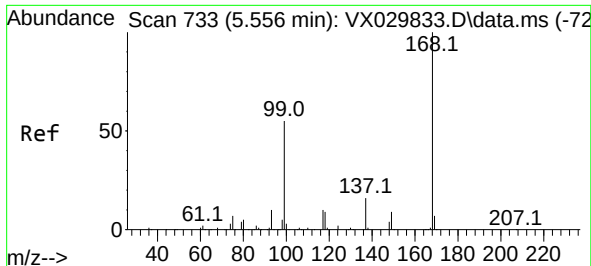
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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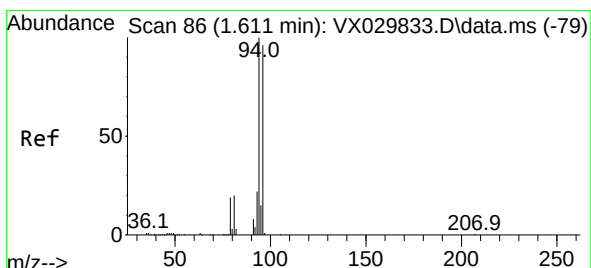
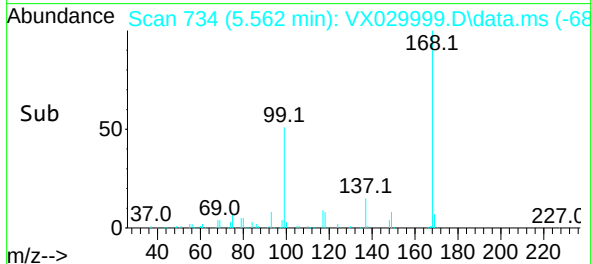
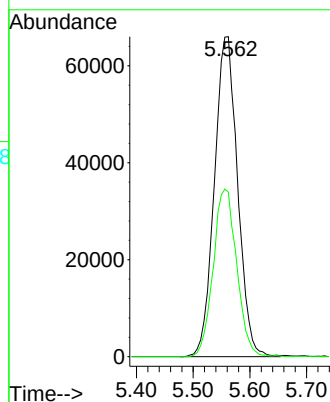
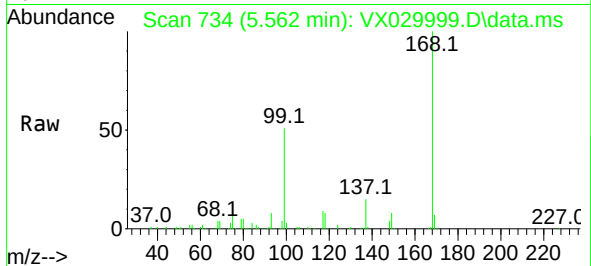




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX029999.D
Acq: 11 Jul 2022 15:56

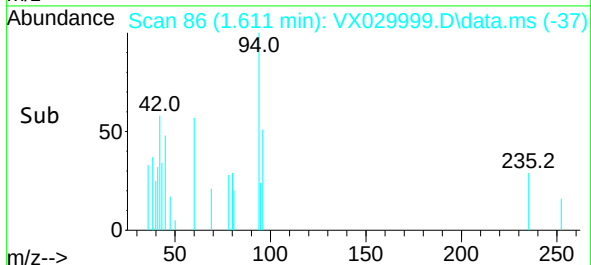
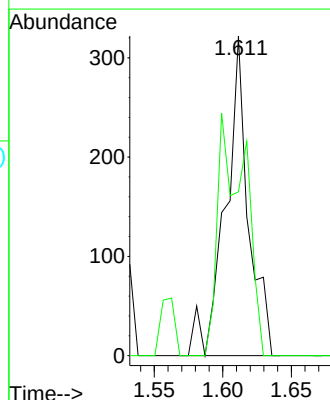
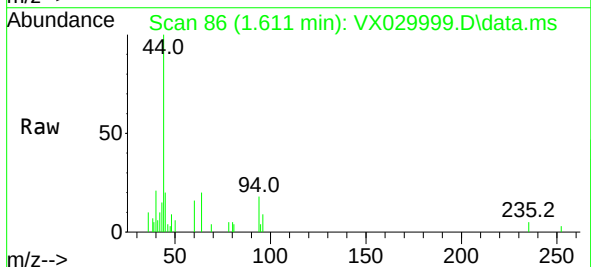
Instrument :
MSVOA_X
ClientSampleId :
PB146125ZHE#04

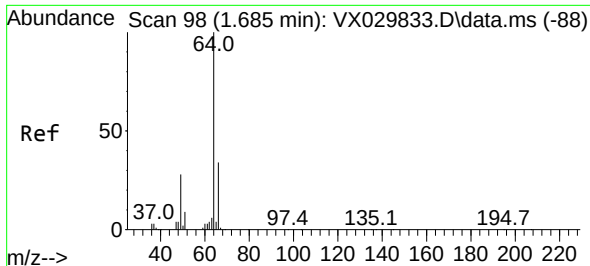
Tgt Ion:168 Resp: 187768
Ion Ratio Lower Upper
168 100
99 51.4 44.0 66.0



#5
Bromomethane
Concen: 0.323 ug/l
RT: 1.611 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX029999.D
Acq: 11 Jul 2022 15:56

Tgt Ion: 94 Resp: 374
Ion Ratio Lower Upper
94 100
96 51.2 76.9 115.3#

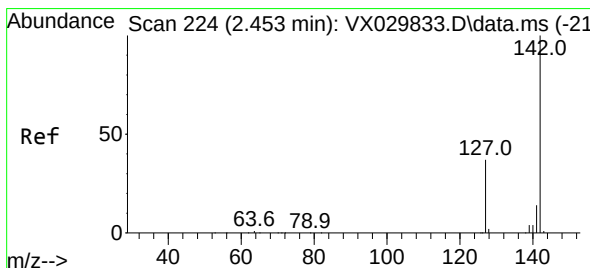
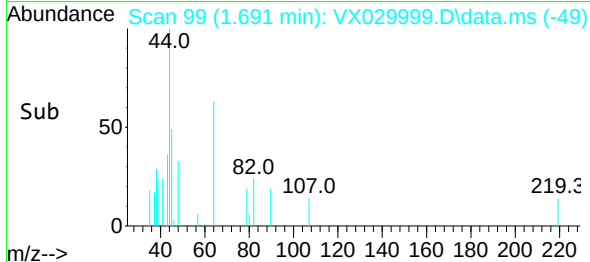
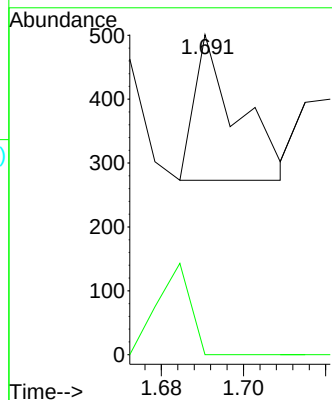
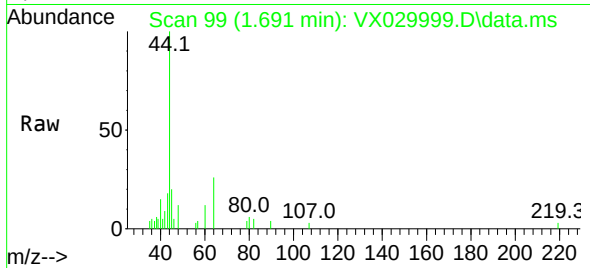




#6
Chloroethane
Concen: 1.143 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX029999.D
Acq: 11 Jul 2022 15:56

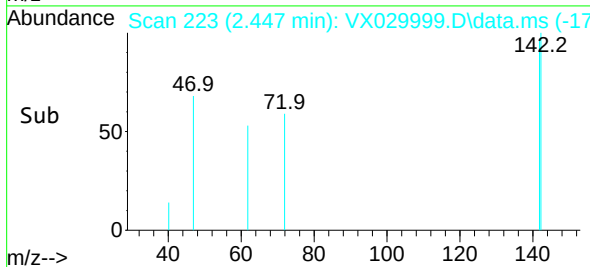
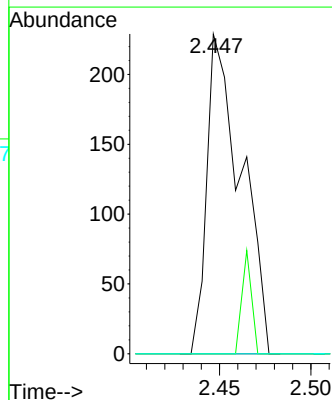
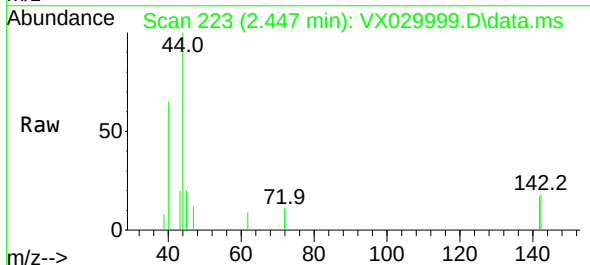
Instrument :
MSVOA_X
ClientSampleId :
PB146125ZHE#04

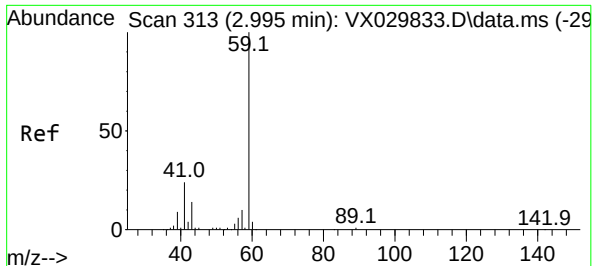
Tgt Ion: 64 Resp: 167
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#10
Methyl Iodide
Concen: 1.985 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.006 min
Lab File: VX029999.D
Acq: 11 Jul 2022 15:56

Tgt Ion: 142 Resp: 299
Ion Ratio Lower Upper
142 100
127 9.0 30.2 45.2#
141 0.0 11.3 16.9#

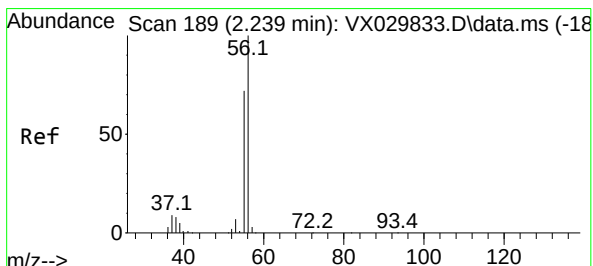
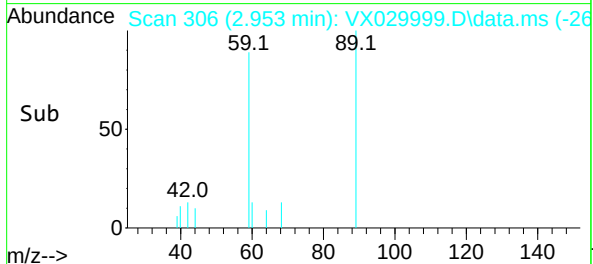
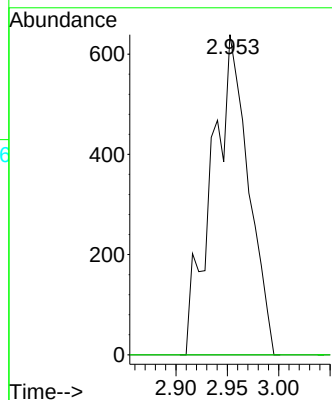
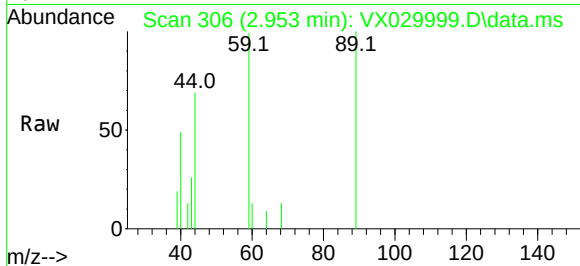




#11
Tert butyl alcohol
Concen: 2.548 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.043 min
Lab File: VX029999.D
Acq: 11 Jul 2022 15:56

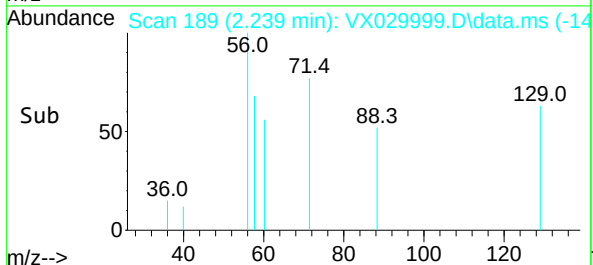
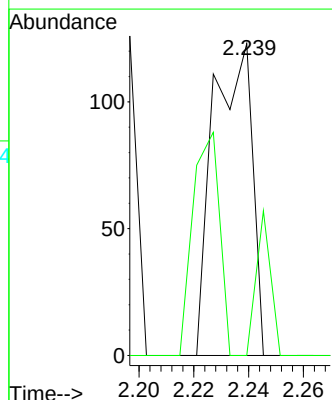
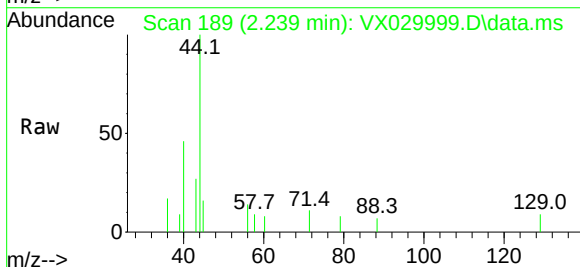
Instrument :
MSVOA_X
ClientSampleId :
PB146125ZHE#04

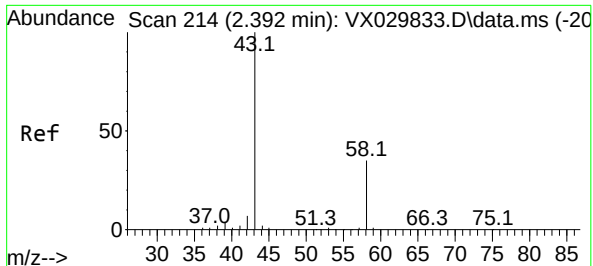
Tgt Ion: 59 Resp: 1584
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#13
Acrolein
Concen: Below Cal
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX029999.D
Acq: 11 Jul 2022 15:56

Tgt Ion: 56 Resp: 121
Ion Ratio Lower Upper
56 100
55 17.4 56.6 84.8#

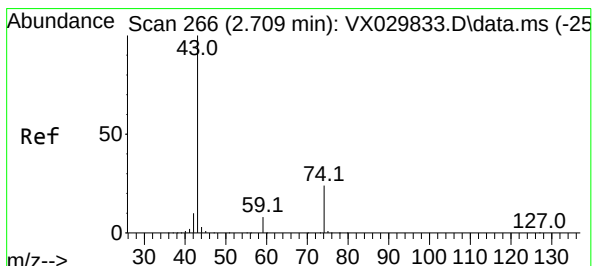
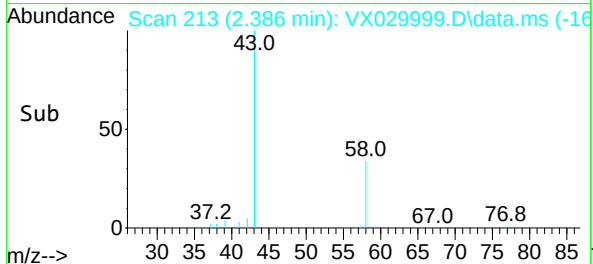
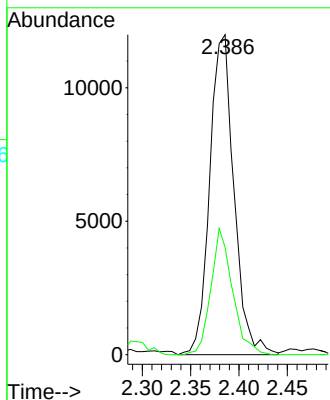
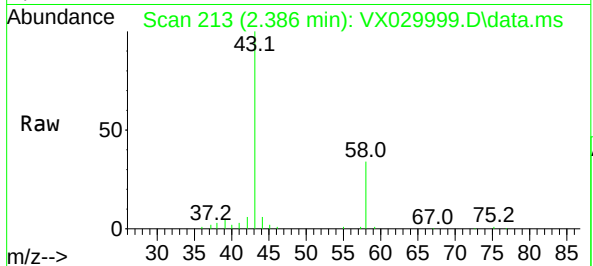




#16
Acetone
Concen: 17.975 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX029999.D
Acq: 11 Jul 2022 15:56

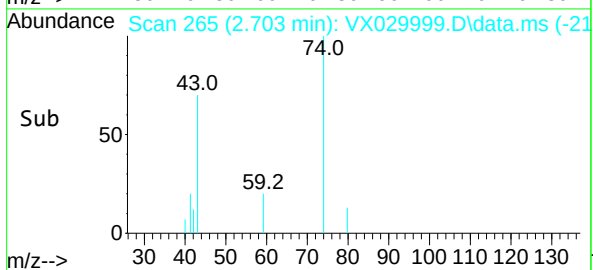
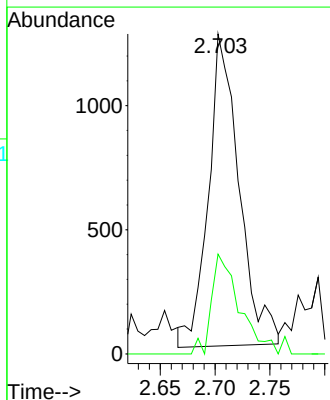
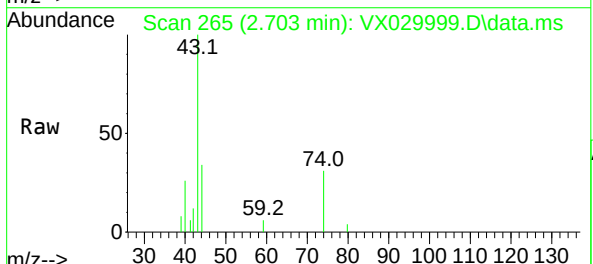
Instrument :
MSVOA_X
ClientSampleId :
PB146125ZHE#04

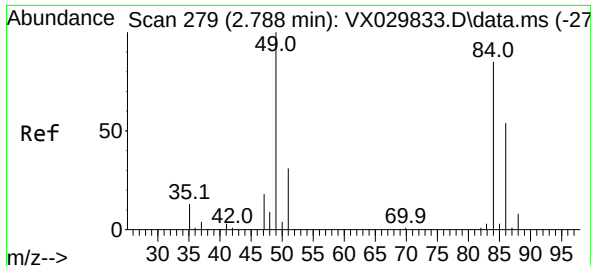
Tgt Ion: 43 Resp: 20902
Ion Ratio Lower Upper
43 100
58 33.6 27.7 41.5



#18
Methyl Acetate
Concen: 0.682 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX029999.D
Acq: 11 Jul 2022 15:56

Tgt Ion: 43 Resp: 2446
Ion Ratio Lower Upper
43 100
74 29.2 19.4 29.2#





#20

Methylene Chloride

Concen: 9.173 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX029999.D

Acq: 11 Jul 2022 15:56

Instrument :

MSVOA_X

ClientSampleId :

PB146125ZHE#04

Tgt Ion: 84 Resp: 22528

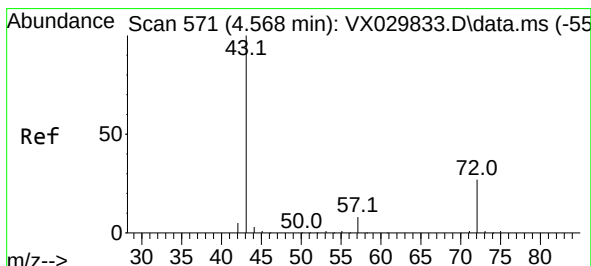
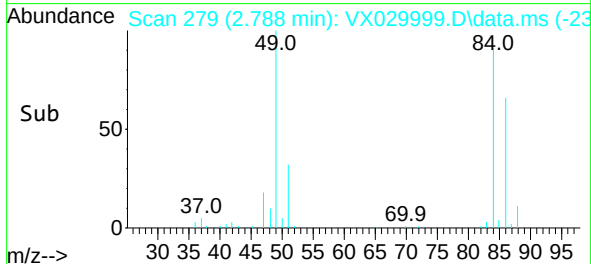
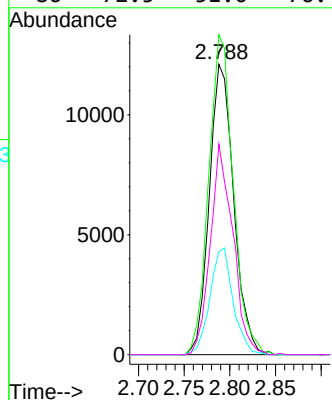
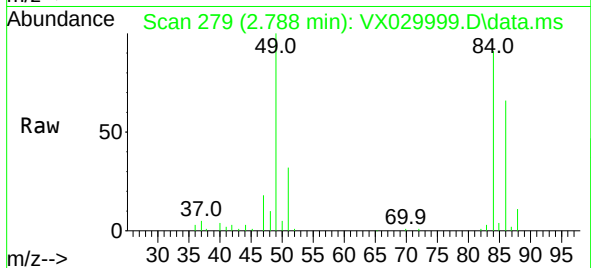
Ion Ratio Lower Upper

84 100

49 110.2 93.8 140.6

51 35.5 29.4 44.0

86 72.5 51.0 76.4



#25

2-Butanone

Concen: 3.039 ug/l

RT: 4.568 min Scan# 571

Delta R.T. -0.000 min

Lab File: VX029999.D

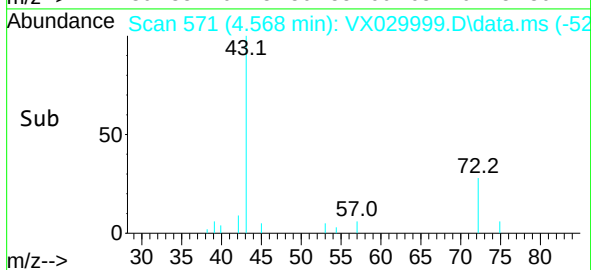
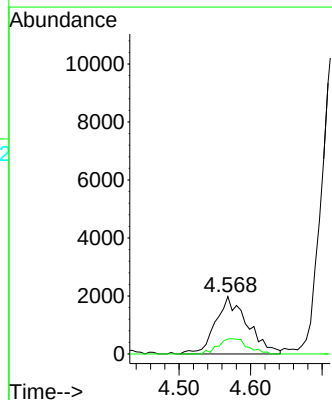
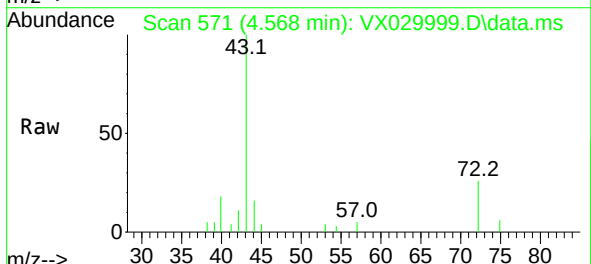
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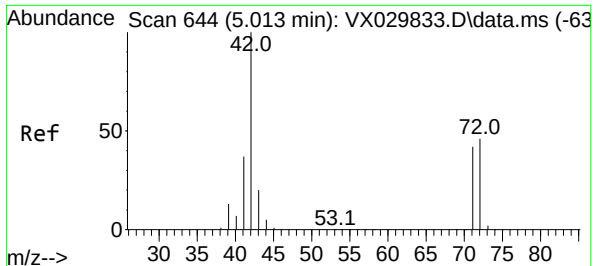
Tgt Ion: 43 Resp: 6133

Ion Ratio Lower Upper

43 100

72 26.2 21.7 32.5





#29

Tetrahydrofuran

Concen: 0.893 ug/l

RT: 5.044 min Scan# 644

Delta R.T. 0.030 min

Lab File: VX029999.D

Acq: 11 Jul 2022 15:56

Instrument :

MSVOA_X

ClientSampleId :

PB146125ZHE#04

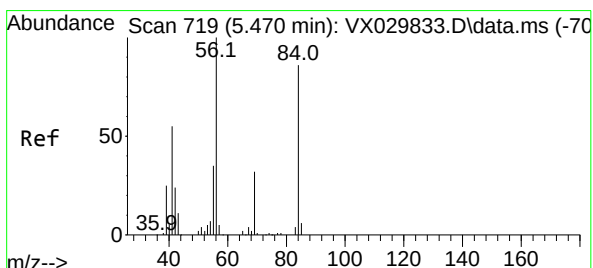
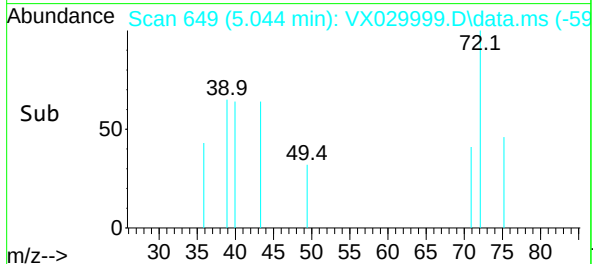
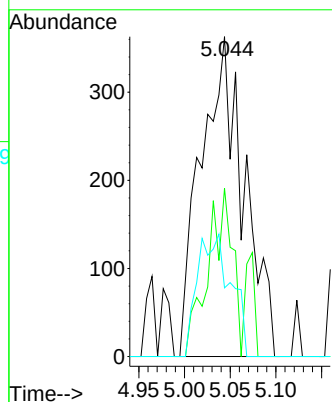
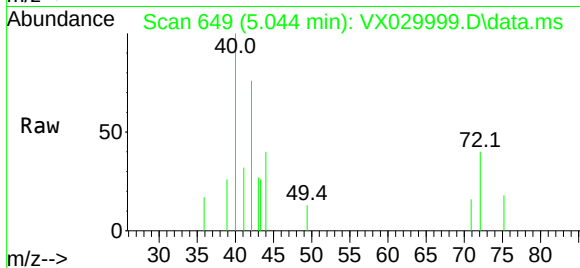
Tgt Ion: 42 Resp: 1186

Ion Ratio Lower Upper

42 100

72 30.0 36.5 54.7#

71 29.8 33.9 50.9#



#31

Cyclohexane

Concen: 1.165 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX029999.D

Acq: 11 Jul 2022 15:56

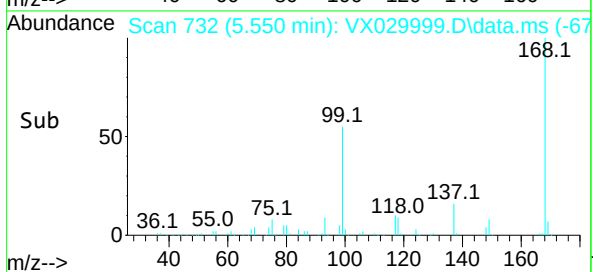
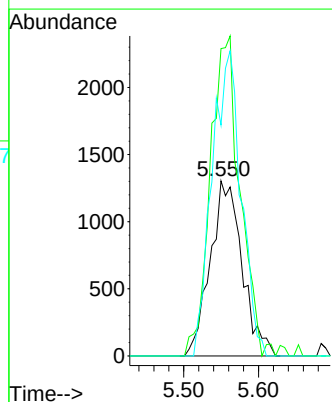
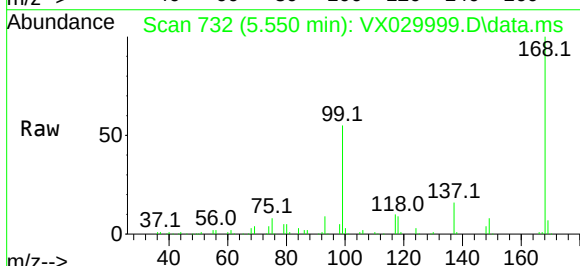
Tgt Ion: 56 Resp: 3860

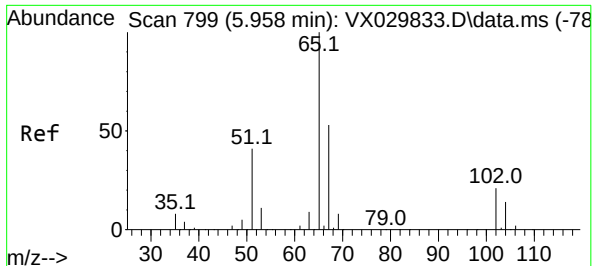
Ion Ratio Lower Upper

56 100

69 175.6 25.4 38.0#

84 131.9 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 42.496 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX029999.D

Acq: 11 Jul 2022 15:56

Instrument :

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ClientSampleId :

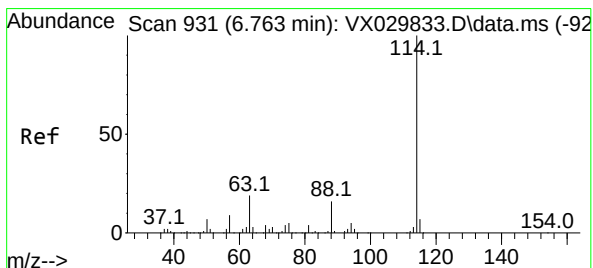
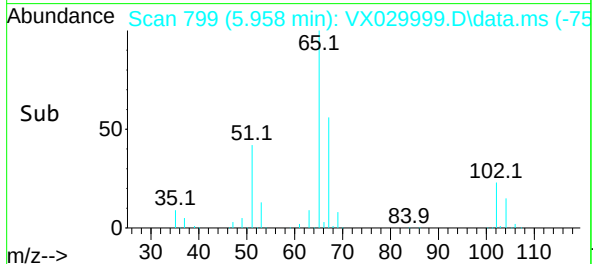
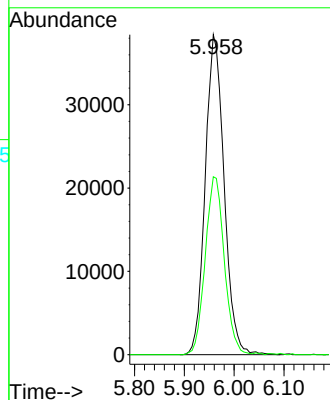
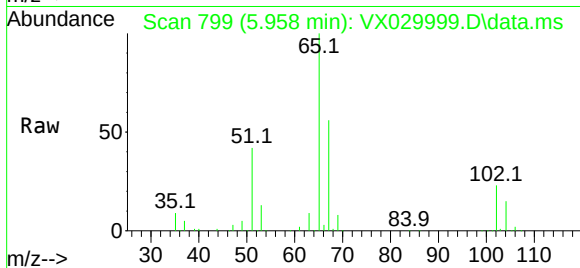
PB146125ZHE#04

Tgt Ion: 65 Resp: 101005

Ion Ratio Lower Upper

65 100

67 56.2 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX029999.D

Acq: 11 Jul 2022 15:56

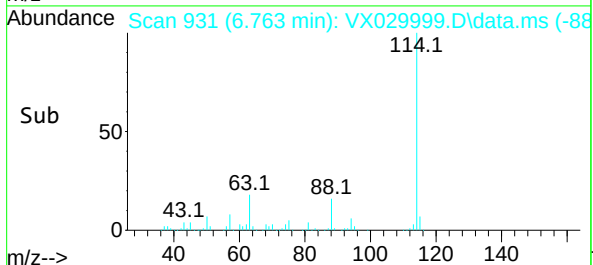
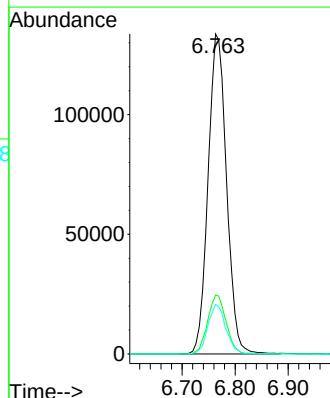
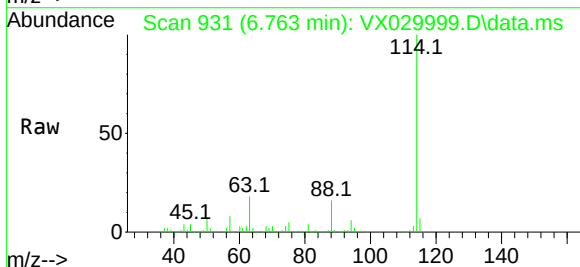
Tgt Ion: 114 Resp: 323270

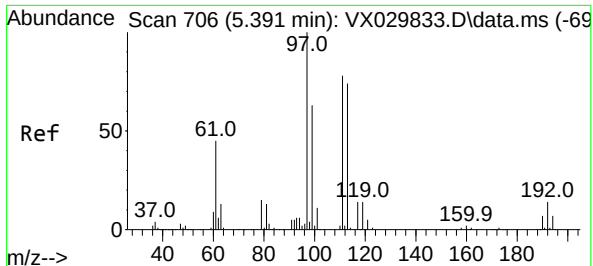
Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.4

88 15.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.630 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX029999.D

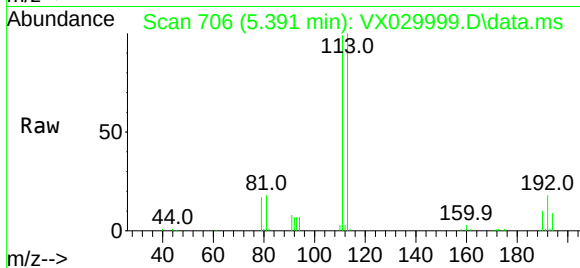
Acq: 11 Jul 2022 15:56

Instrument :

MSVOA_X

ClientSampleId :

PB146125ZHE#04



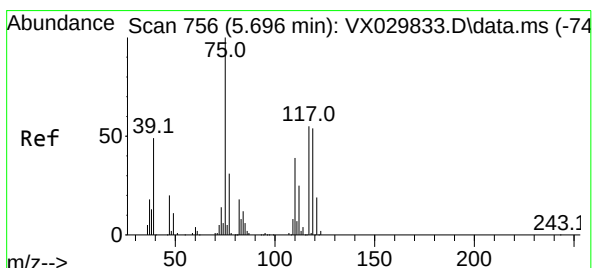
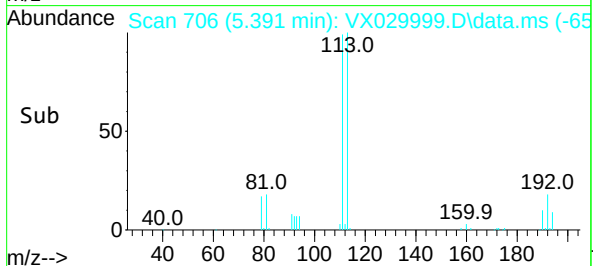
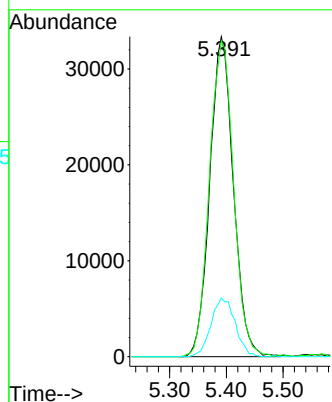
Tgt Ion:113 Resp: 96225

Ion Ratio Lower Upper

113 100

111 101.4 83.2 124.8

192 18.8 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.875 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX029999.D

Acq: 11 Jul 2022 15:56

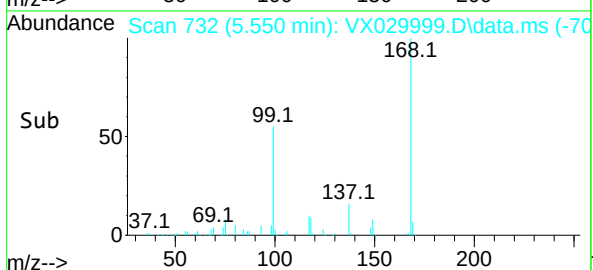
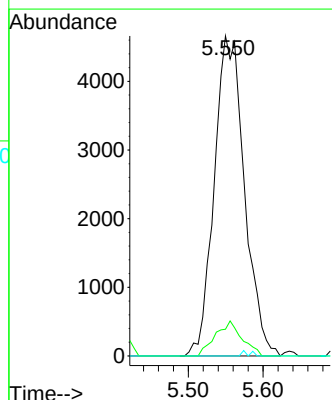
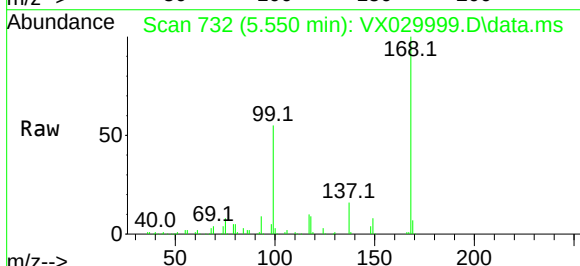
Tgt Ion: 75 Resp: 13099

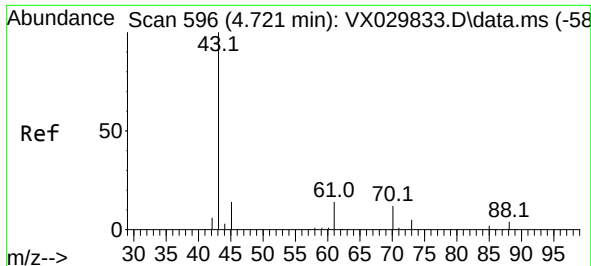
Ion Ratio Lower Upper

75 100

110 9.6 19.3 57.9#

77 0.0 24.4 36.6#

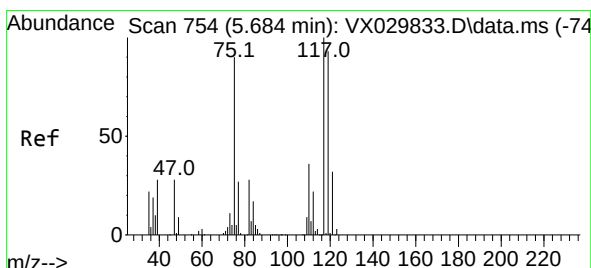
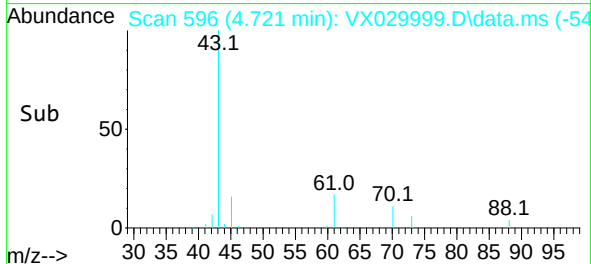
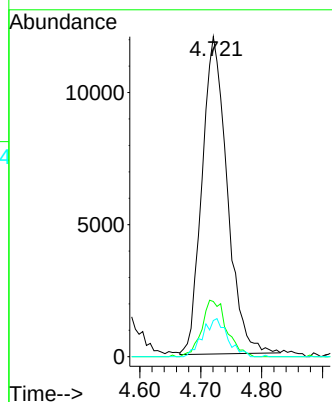
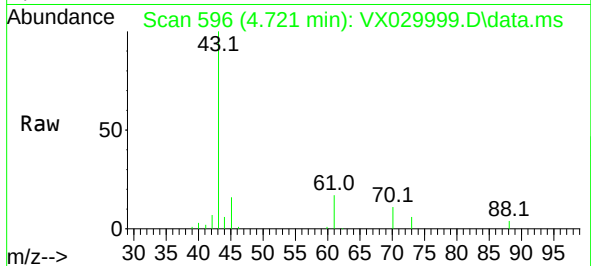




#37
Ethyl Acetate
Concen: 9.391 ug/l
RT: 4.721 min Scan# 596
Delta R.T. -0.000 min
Lab File: VX029999.D
Acq: 11 Jul 2022 15:56

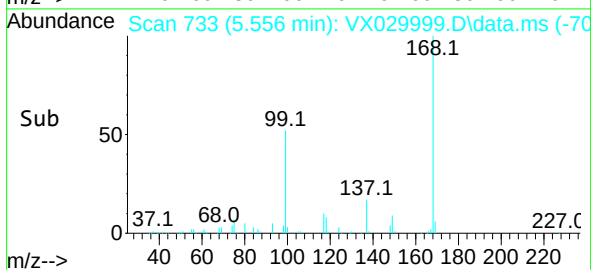
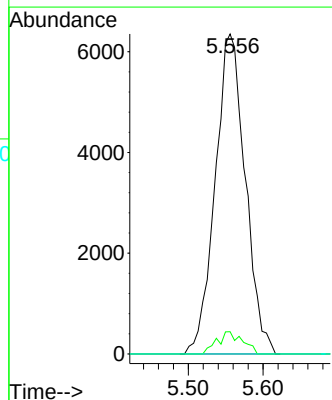
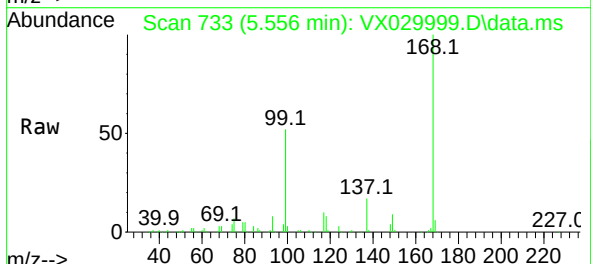
Instrument :
MSVOA_X
ClientSampleId :
PB146125ZHE#04

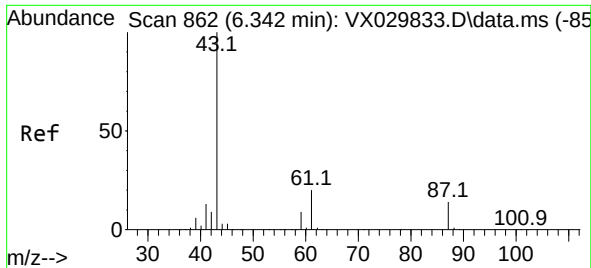
Tgt Ion:	43	Resp:	34510
Ion	Ratio	Lower	Upper
43	100		
61	17.5	11.7	17.5
70	11.8	9.3	13.9



#38
Carbon Tetrachloride
Concen: 7.633 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX029999.D
Acq: 11 Jul 2022 15:56

Tgt Ion:	117	Resp:	17771
Ion	Ratio	Lower	Upper
117	100		
119	6.9	74.1	111.1#
121	0.0	25.8	38.8#

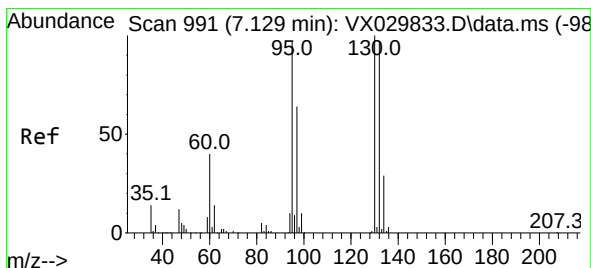
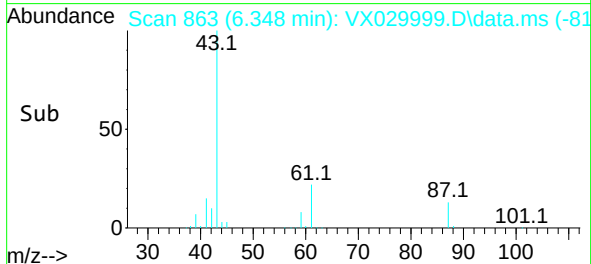
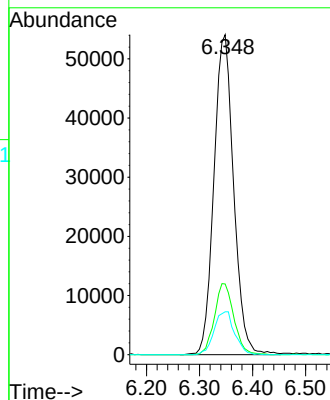
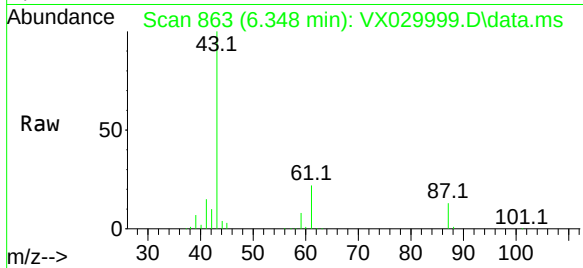




#43
Isopropyl Acetate
Concen: 25.231 ug/l
RT: 6.348 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX029999.D
Acq: 11 Jul 2022 15:56

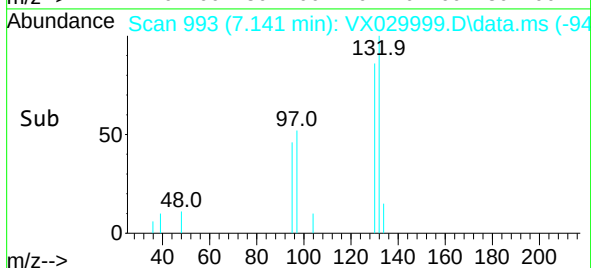
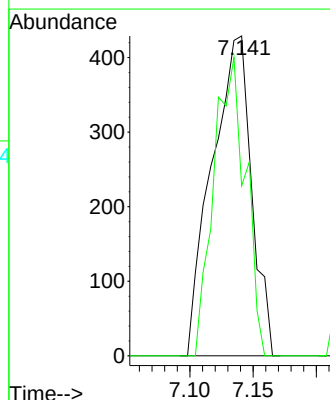
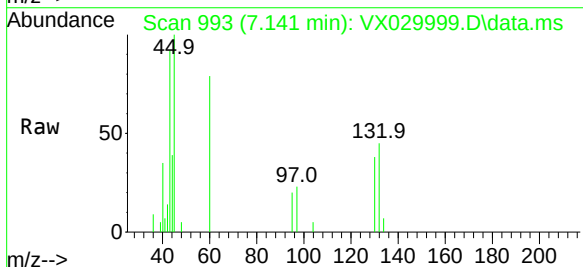
Instrument :
MSVOA_X
ClientSampleId :
PB146125ZHE#04

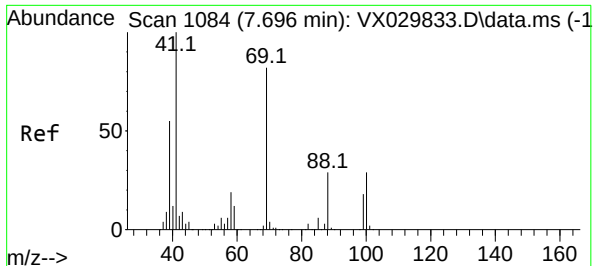
Tgt Ion: 43 Resp: 139626
Ion Ratio Lower Upper
43 100
61 21.9 16.5 24.7
87 14.0 11.1 16.7



#44
Trichloroethene
Concen: 0.399 ug/l
RT: 7.141 min Scan# 993
Delta R.T. 0.012 min
Lab File: VX029999.D
Acq: 11 Jul 2022 15:56

Tgt Ion:130 Resp: 934
Ion Ratio Lower Upper
130 100
95 53.1 0.0 194.8





#48

Methyl methacrylate

Concen: 45.848 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX029999.D

Acq: 11 Jul 2022 15:56

Instrument :

MSVOA_X

ClientSampleId :

PB146125ZHE#04

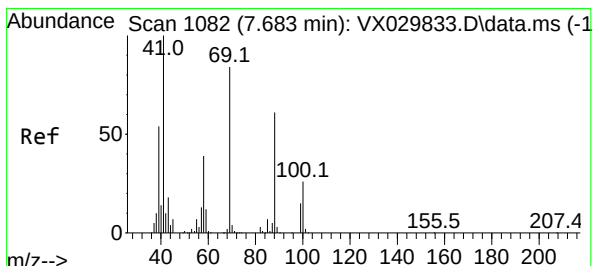
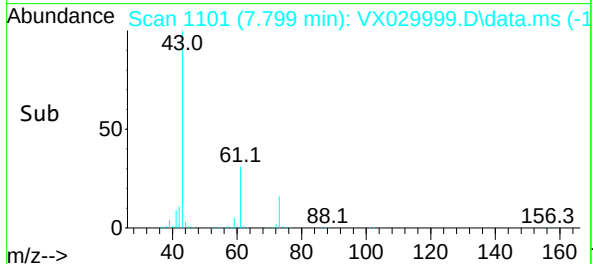
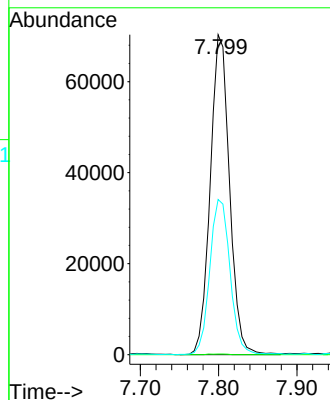
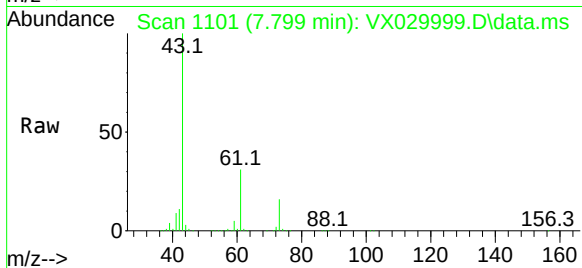
Tgt Ion: 41 Resp: 120296

Ion Ratio Lower Upper

41 100

69 0.2 68.8 103.2#

39 51.3 44.6 66.8



#49

1,4-Dioxane

Concen: 4.555 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.110 min

Lab File: VX029999.D

Acq: 11 Jul 2022 15:56

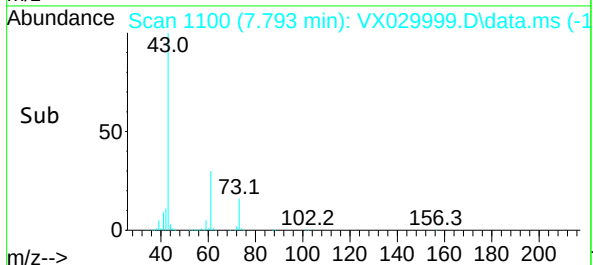
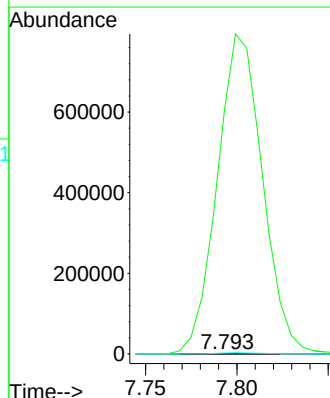
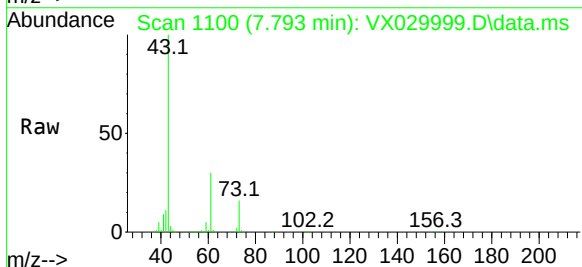
Tgt Ion: 88 Resp: 283

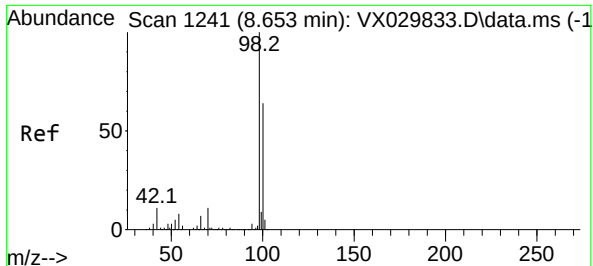
Ion Ratio Lower Upper

88 100

43 485686.9 23.8 35.8#

58 1871.7 53.8 80.6#

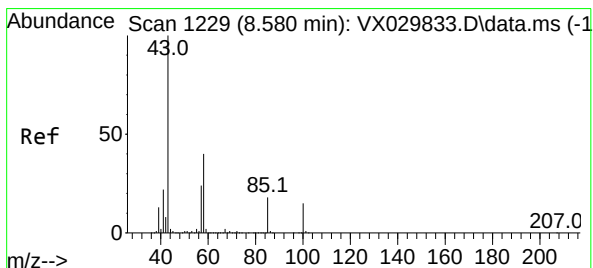
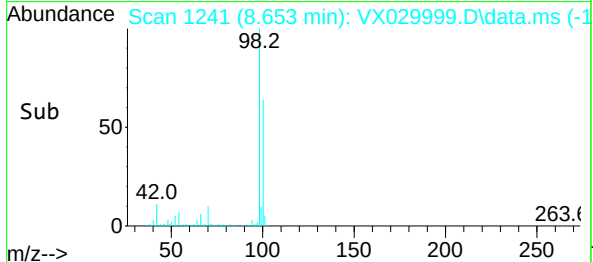
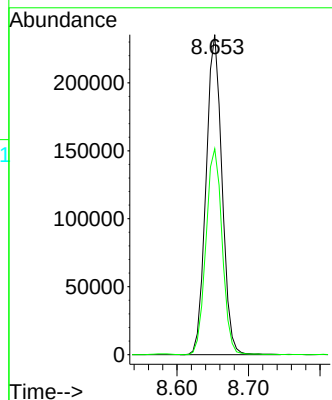
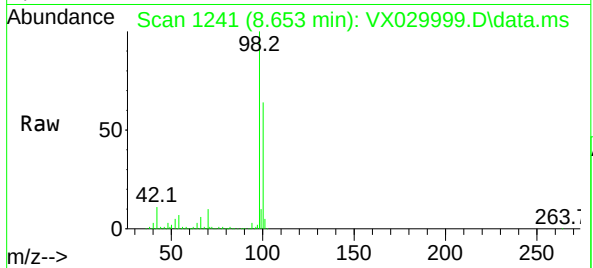




#50
Toluene-d8
Concen: 48.097 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029999.D
Acq: 11 Jul 2022 15:56

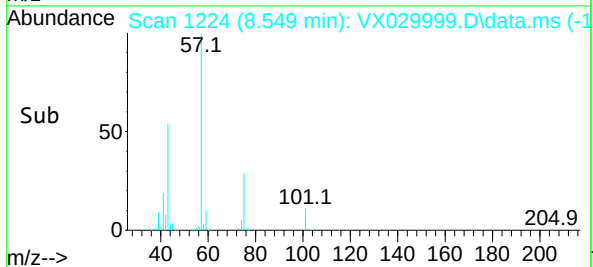
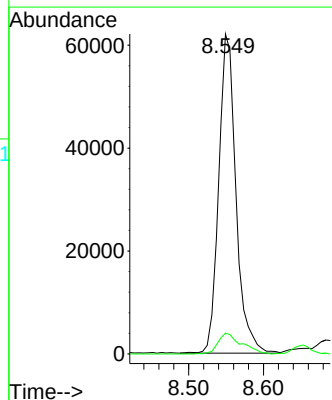
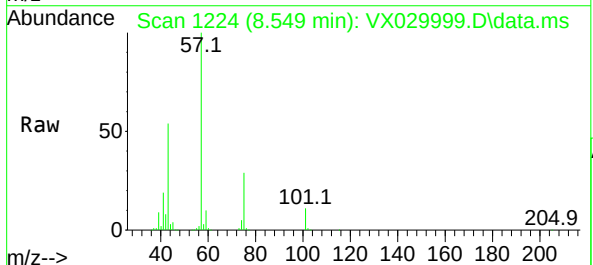
Instrument :
MSVOA_X
ClientSampleId :
PB146125ZHE#04

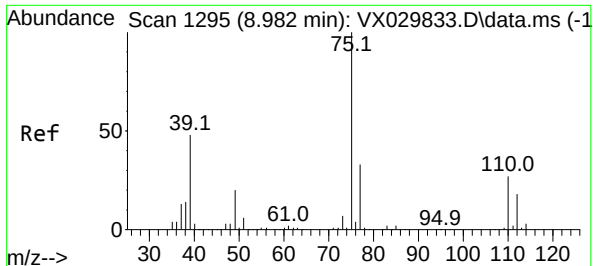
Tgt Ion: 98 Resp: 364530
Ion Ratio Lower Upper
98 100
100 65.6 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 27.385 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX029999.D
Acq: 11 Jul 2022 15:56

Tgt Ion: 43 Resp: 99931
Ion Ratio Lower Upper
43 100
58 8.8 31.4 47.2#





#53

t-1,3-Dichloropropene

Concen: 0.319 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.030 min

Lab File: VX029999.D

Acq: 11 Jul 2022 15:56

Instrument :

MSVOA_X

ClientSampleId :

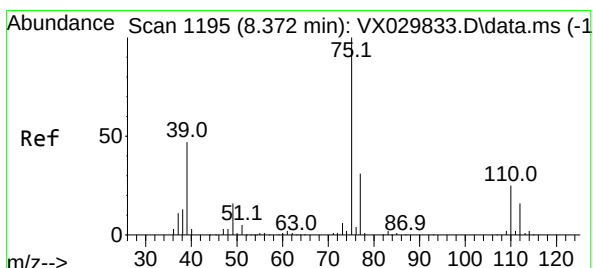
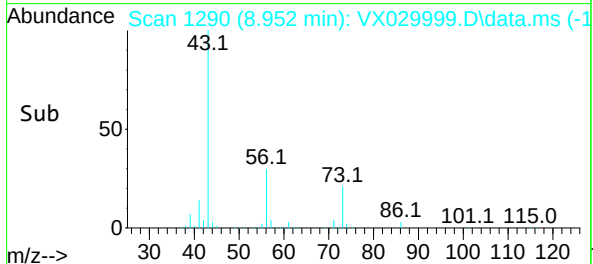
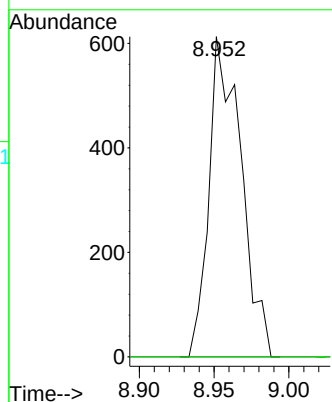
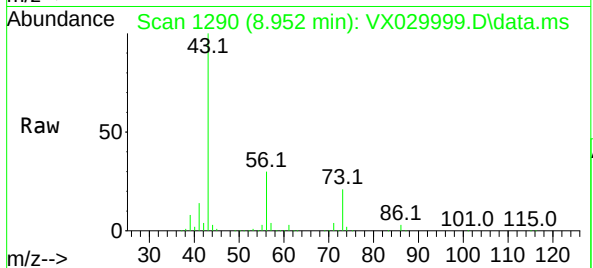
PB146125ZHE#04

Tgt Ion: 75 Resp: 914

Ion Ratio Lower Upper

75 100

77 0.0 26.3 39.5#



#54

cis-1,3-Dichloropropene

Concen: 16.007 ug/l

RT: 8.555 min Scan# 1225

Delta R.T. 0.183 min

Lab File: VX029999.D

Acq: 11 Jul 2022 15:56

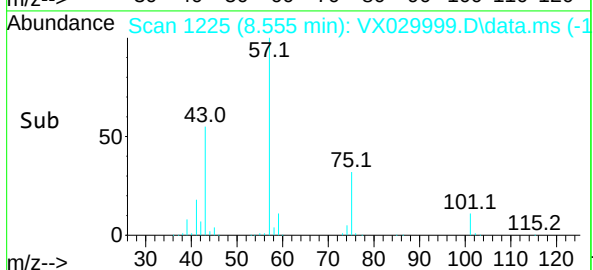
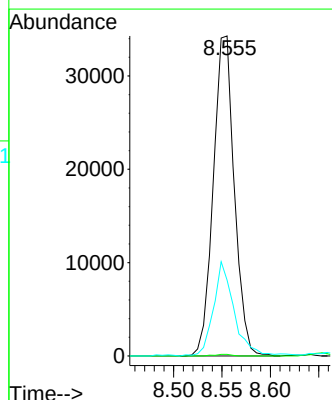
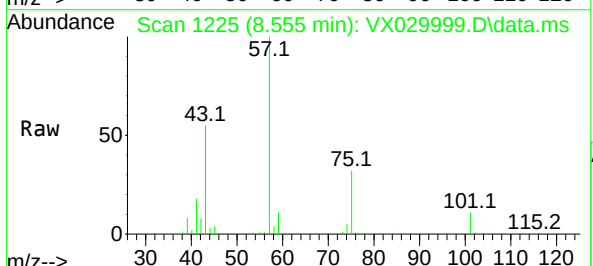
Tgt Ion: 75 Resp: 51878

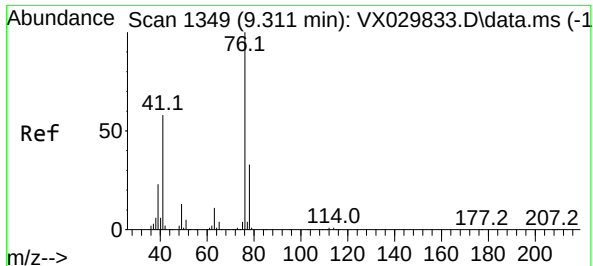
Ion Ratio Lower Upper

75 100

77 0.5 25.0 37.4#

39 23.7 37.5 56.3#





#57

1,3-Dichloropropane

Concen: 1.752 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX029999.D

Acq: 11 Jul 2022 15:56

Instrument :

MSVOA_X

ClientSampleId :

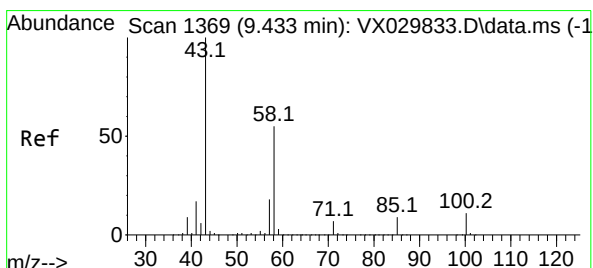
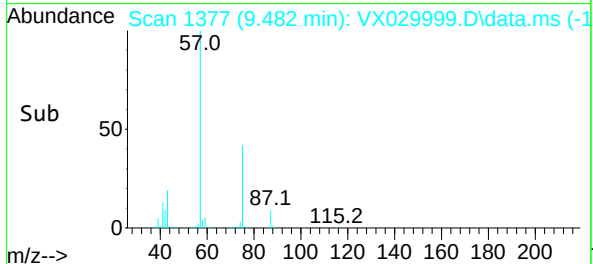
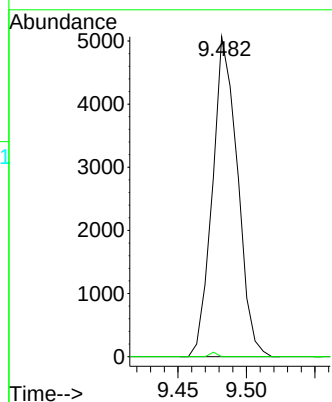
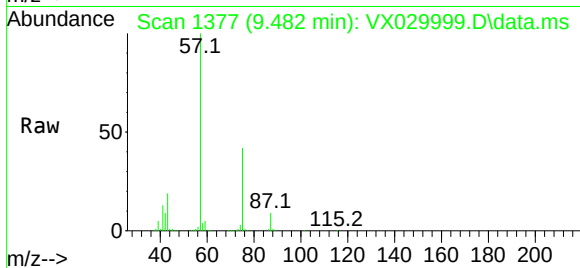
PB146125ZHE#04

Tgt Ion: 76 Resp: 6439

Ion Ratio Lower Upper

76 100

78 0.4 25.9 38.9#



#59

2-Hexanone

Concen: 30.133 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX029999.D

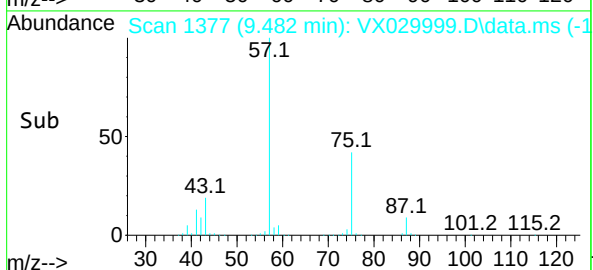
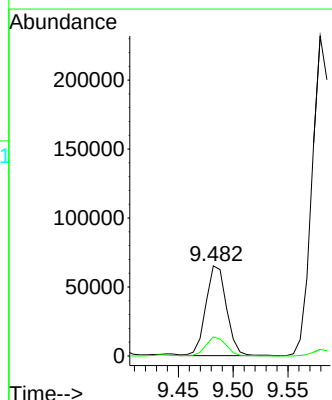
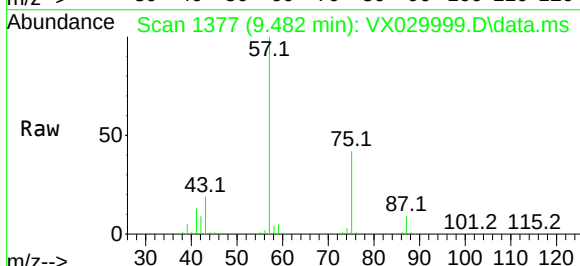
Acq: 11 Jul 2022 15:56

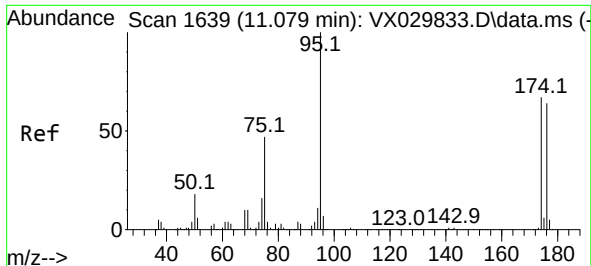
Tgt Ion: 43 Resp: 85332

Ion Ratio Lower Upper

43 100

58 21.0 27.6 82.8#





#62

4-Bromofluorobenzene

Concen: 45.488 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX029999.D

Acq: 11 Jul 2022 15:56

Instrument :

MSVOA_X

ClientSampleId :

PB146125ZHE#04

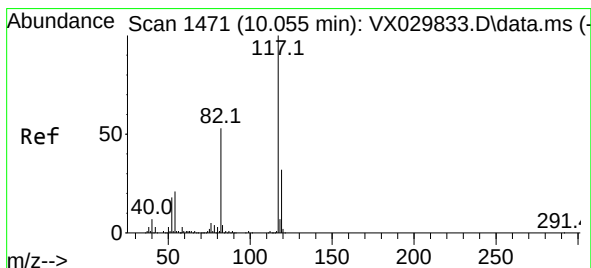
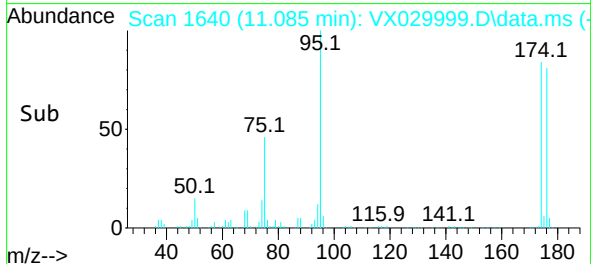
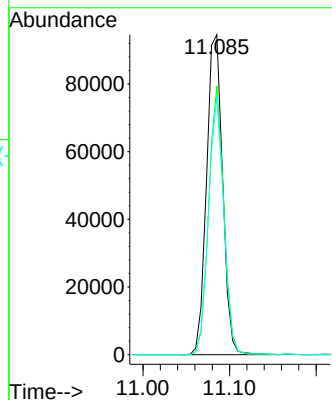
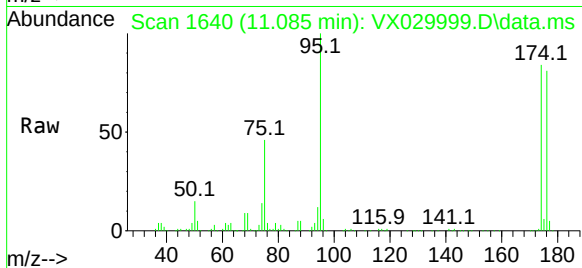
Tgt Ion: 95 Resp: 121866

Ion Ratio Lower Upper

95 100

174 79.1 0.0 149.0

176 76.8 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: VX029999.D

Acq: 11 Jul 2022 15:56

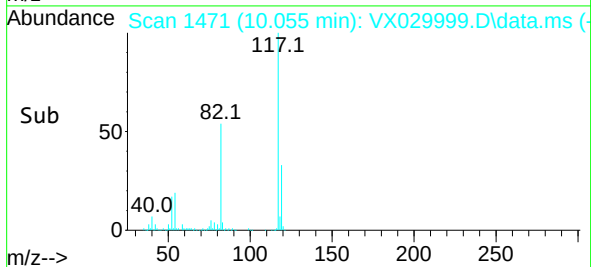
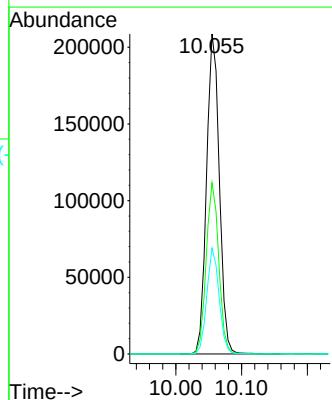
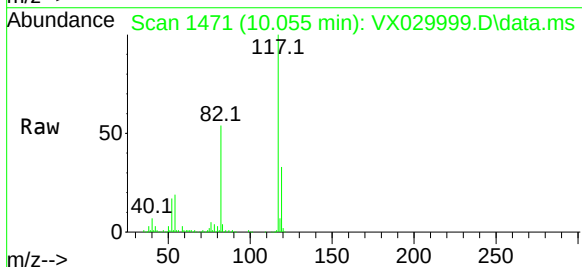
Tgt Ion: 117 Resp: 282451

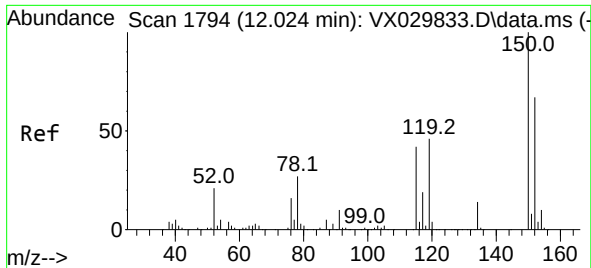
Ion Ratio Lower Upper

117 100

82 53.5 42.7 64.1

119 33.1 25.4 38.2

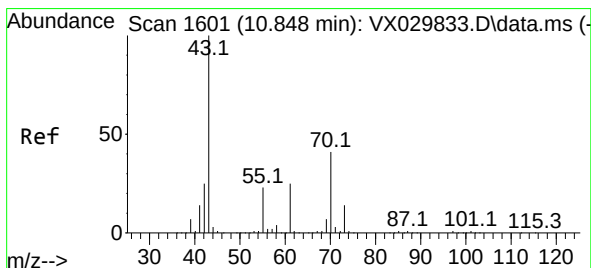
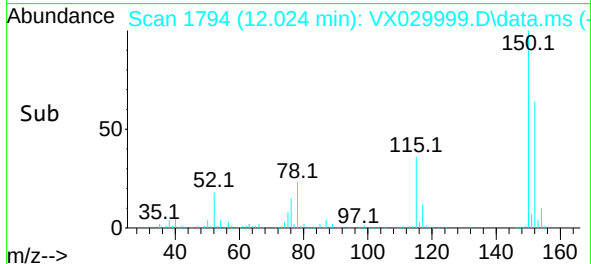
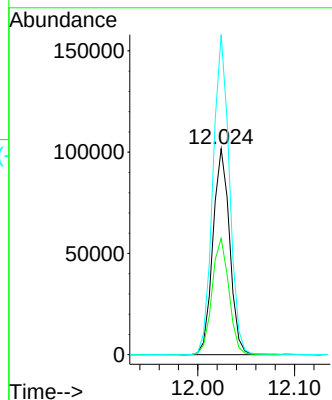
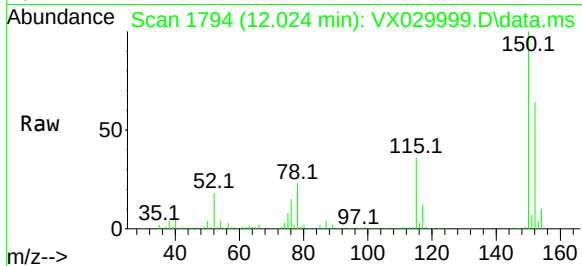




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029999.D
Acq: 11 Jul 2022 15:56

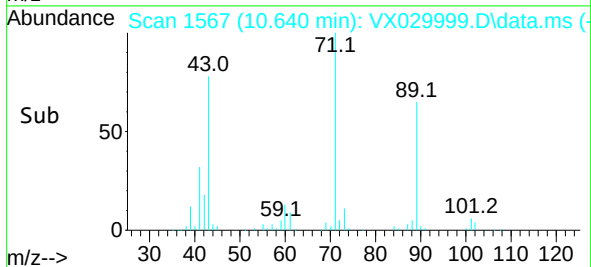
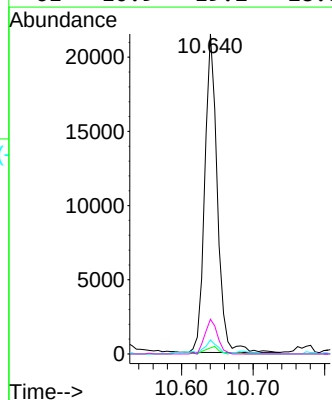
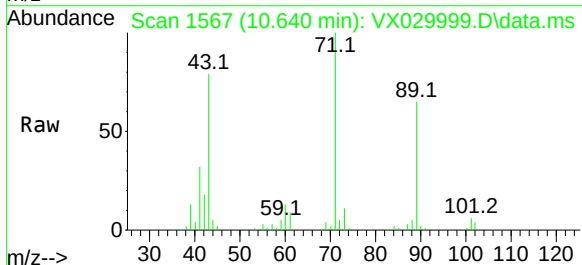
Instrument :
MSVOA_X
ClientSampleId :
PB146125ZHE#04

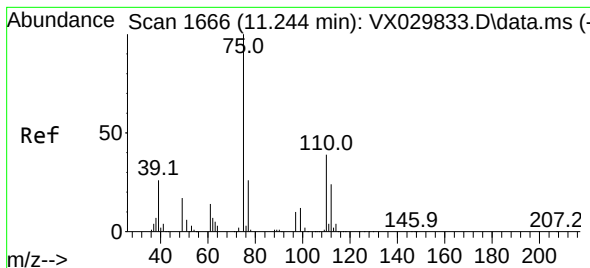
Tgt Ion:152 Resp: 121753
Ion Ratio Lower Upper
152 100
115 56.9 40.5 121.5
150 153.4 0.0 347.0



#74
N-ethyl acetate
Concen: 6.007 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.207 min
Lab File: VX029999.D
Acq: 11 Jul 2022 15:56

Tgt Ion: 43 Resp: 26201
Ion Ratio Lower Upper
43 100
70 2.3 32.3 48.5#
55 5.4 18.4 27.6#
61 10.9 19.2 28.8#





#76

1,2,3-Trichloropropane

Concen: 19.179 ug/l

RT: 11.085 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX029999.D

Acq: 11 Jul 2022 15:56

Instrument :

MSVOA_X

ClientSampleId :

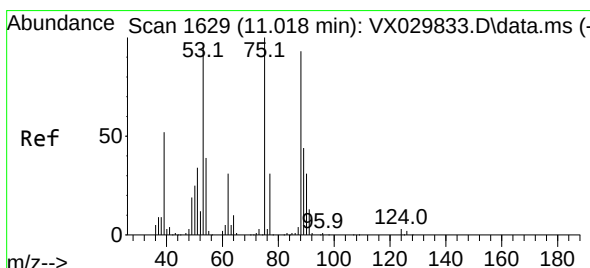
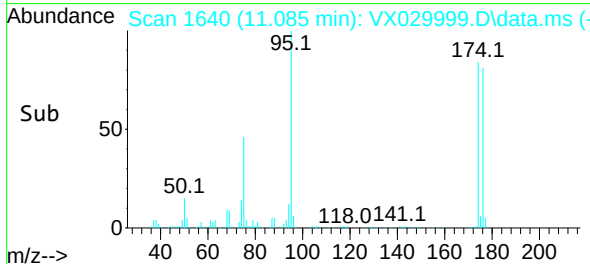
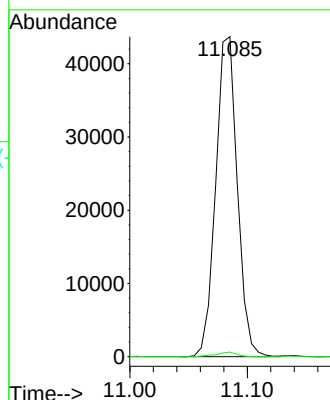
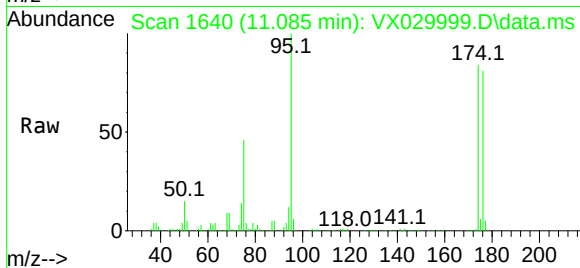
PB146125ZHE#04

Tgt Ion: 75 Resp: 55899

Ion Ratio Lower Upper

75 100

77 1.4 19.8 59.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.908 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.067 min

Lab File: VX029999.D

Acq: 11 Jul 2022 15:56

Tgt Ion: 75 Resp: 55899

Ion Ratio Lower Upper

75 100

53 0.0 74.2 111.4#

89 0.0 34.8 52.2#

