

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071122\
 Data File : VX030000.D
 Acq On : 11 Jul 2022 16:19
 Operator : JC/MD
 Sample : PB146125ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB146125ZHE#05

Quant Time: Jul 12 02:03:47 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

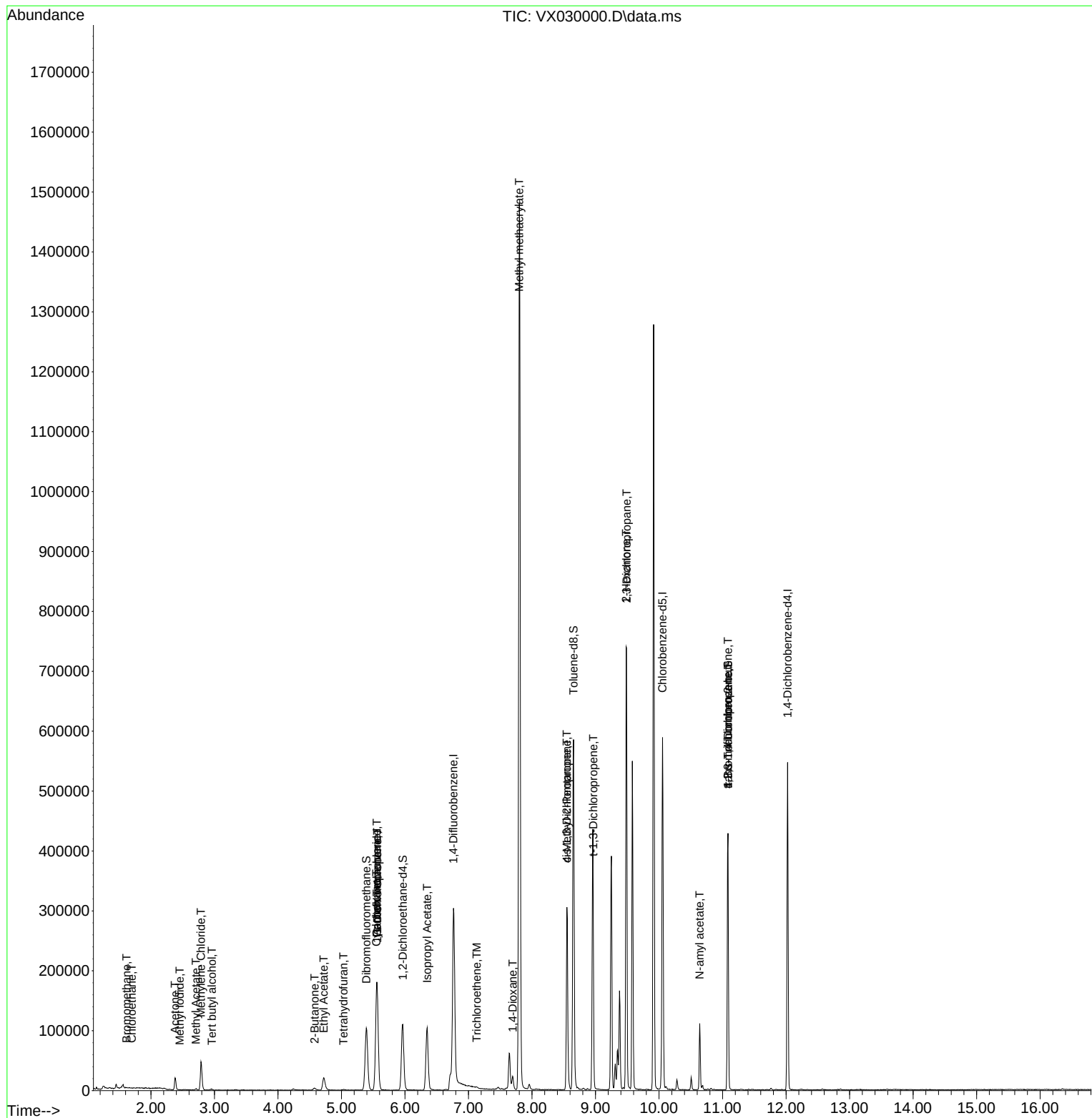
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	185656	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	311950	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	273299	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	114402	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	98521	41.922	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	83.840%
35) Dibromofluoromethane	5.391	113	93262	47.838	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.680%
50) Toluene-d8	8.653	98	355533	48.613	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.220%
62) 4-Bromofluorobenzene	11.085	95	118725	45.924	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.840%
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	397	0.347	ug/l #	56
6) Chloroethane	1.697	64	228	1.183	ug/l #	41
10) Methyl Iodide	2.453	142	191	1.945	ug/l #	45
11) Tert butyl alcohol	2.959	59	1427	2.322	ug/l #	79
13) Acrolein	2.239	56	110	Below Cal	#	14
16) Acetone	2.380	43	19930	17.334	ug/l	98
18) Methyl Acetate	2.709	43	3227	0.910	ug/l #	83
20) Methylene Chloride	2.788	84	22075	9.091	ug/l	97
25) 2-Butanone	4.574	43	6109	3.061	ug/l	92
29) Tetrahydrofuran	5.032	42	577	0.439	ug/l #	49
31) Cyclohexane	5.550	56	3547	1.082	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	13249	5.110	ug/l #	49
37) Ethyl Acetate	4.721	43	35239	9.937	ug/l	98
38) Carbon Tetrachloride	5.556	117	16526	7.356	ug/l #	17
43) Isopropyl Acetate	6.348	43	141422	26.483	ug/l	99
44) Trichloroethene	7.129	130	697	0.309	ug/l	81
48) Methyl methacrylate	7.799	41	121743	48.083	ug/l #	40
49) 1,4-Dioxane	7.696	88	57	0.951	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	99280	28.194	ug/l #	50
53) t-1,3-Dichloropropene	8.964	75	1028	0.371	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	50736	16.223	ug/l #	60
57) 1,3-Dichloropropane	9.488	76	6054	1.707	ug/l #	43
59) 2-Hexanone	9.482	43	85704	31.362	ug/l #	51
74) N-amyl acetate	10.640	43	25402	6.198	ug/l #	55
76) 1,2,3-Trichloropropane	11.085	75	53873	19.672	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	53873	62.472	ug/l #	13

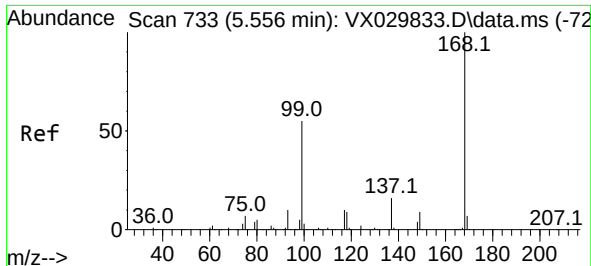
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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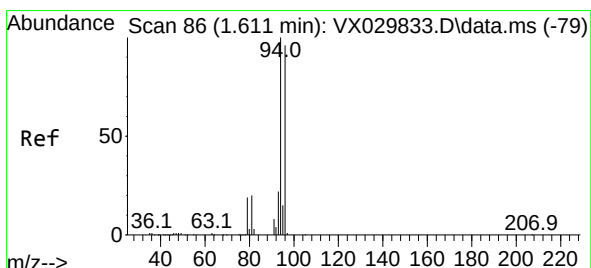
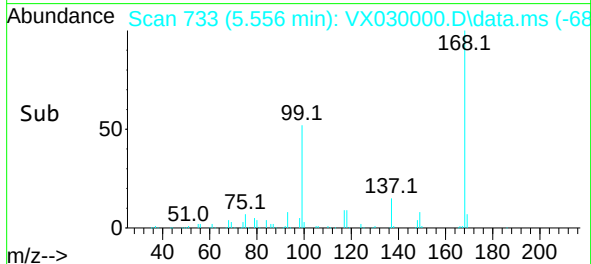
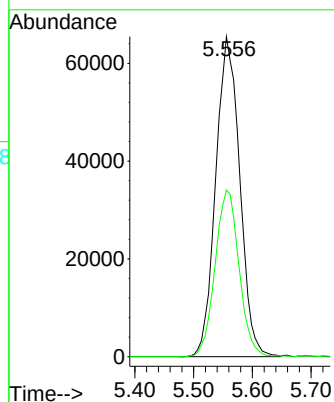
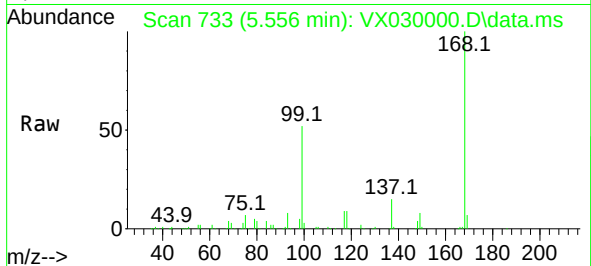




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030000.D
Acq: 11 Jul 2022 16:19

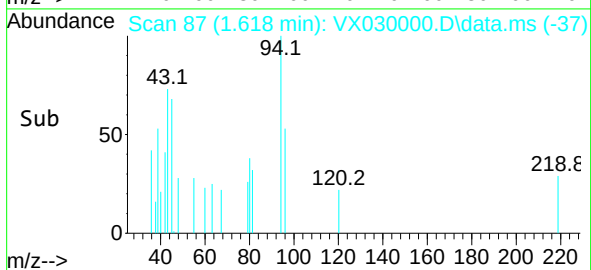
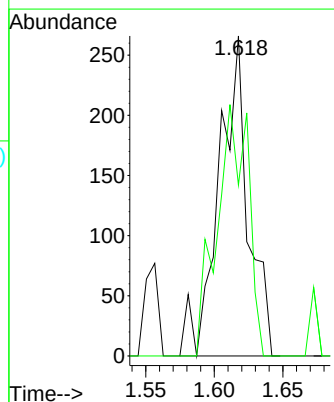
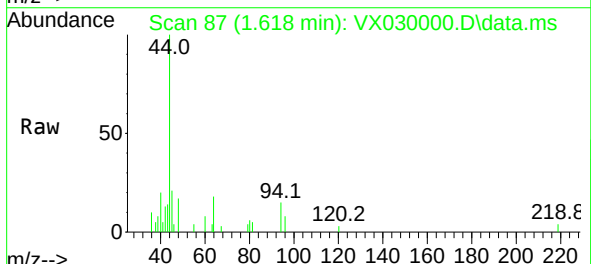
Instrument :
MSVOA_X
ClientSampleId :
PB146125ZHE#05

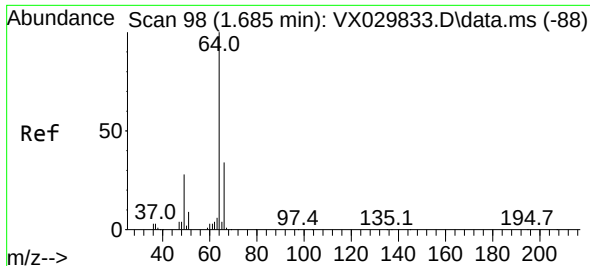
Tgt Ion:168 Resp: 185656
Ion Ratio Lower Upper
168 100
99 52.1 44.0 66.0



#5
Bromomethane
Concen: 0.347 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX030000.D
Acq: 11 Jul 2022 16:19

Tgt Ion: 94 Resp: 397
Ion Ratio Lower Upper
94 100
96 53.4 76.9 115.3#

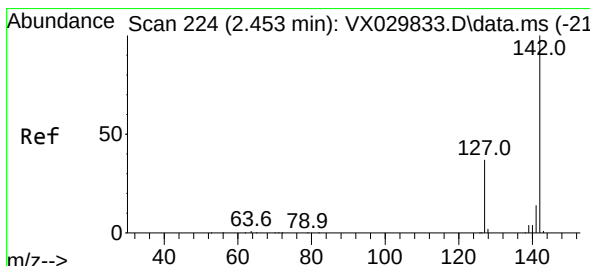
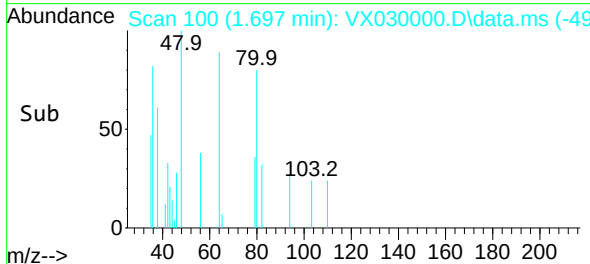
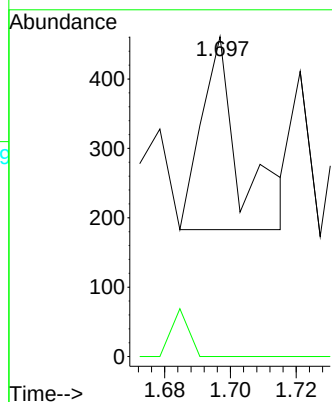
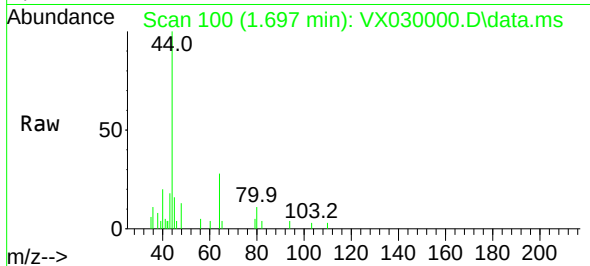




#6
Chloroethane
Concen: 1.183 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX030000.D
Acq: 11 Jul 2022 16:19

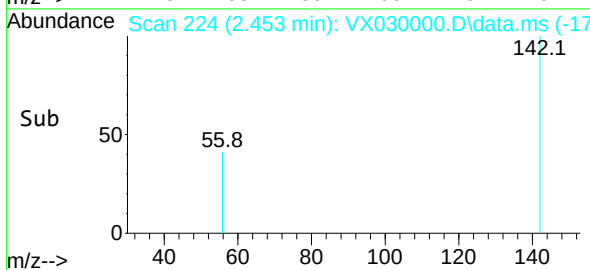
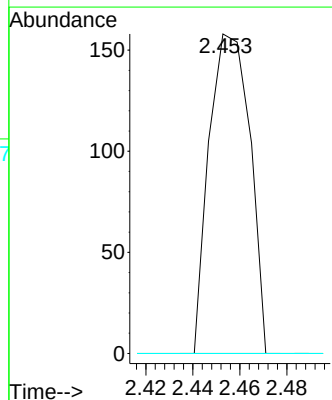
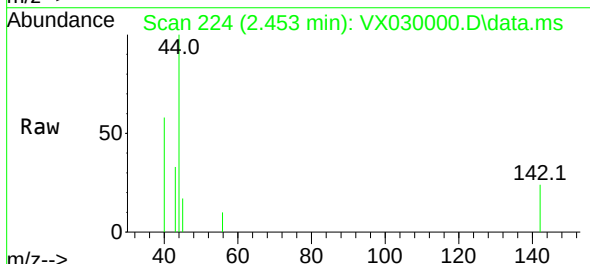
Instrument :
MSVOA_X
ClientSampleId :
PB146125ZHE#05

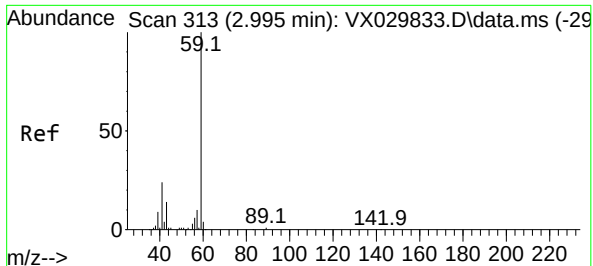
Tgt Ion: 64 Resp: 228
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#10
Methyl Iodide
Concen: 1.945 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX030000.D
Acq: 11 Jul 2022 16:19

Tgt Ion: 142 Resp: 191
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#





#11

Tert butyl alcohol

Concen: 2.322 ug/l

RT: 2.959 min Scan# 307

Delta R.T. -0.037 min

Lab File: VX030000.D

Acq: 11 Jul 2022 16:19

Instrument :

MSVOA_X

ClientSampleId :

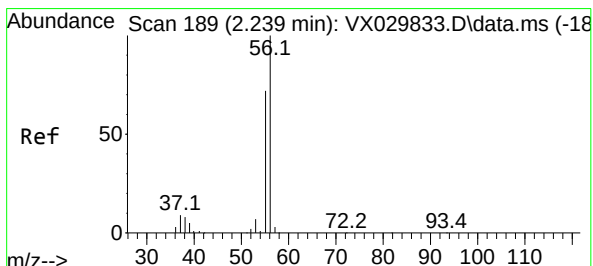
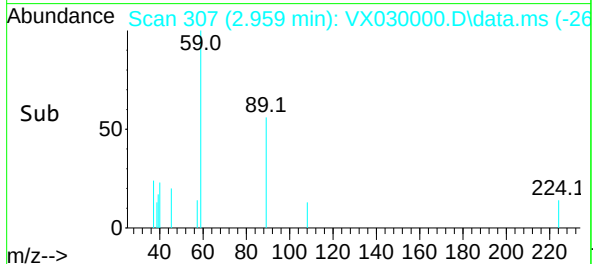
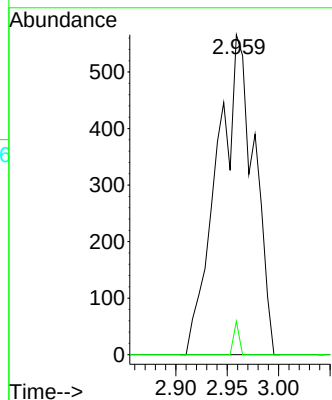
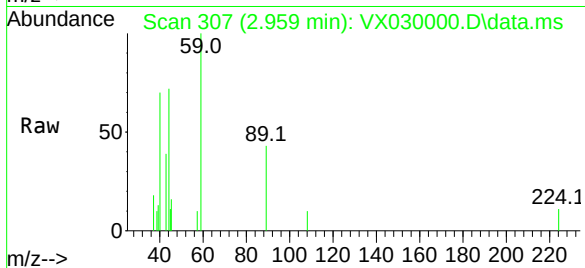
PB146125ZHE#05

Tgt Ion: 59 Resp: 1427

Ion Ratio Lower Upper

59 100

57 1.5 7.4 11.2#



#13

Acrolein

Concen: Below Cal

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX030000.D

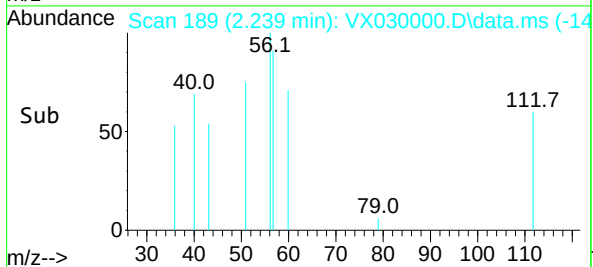
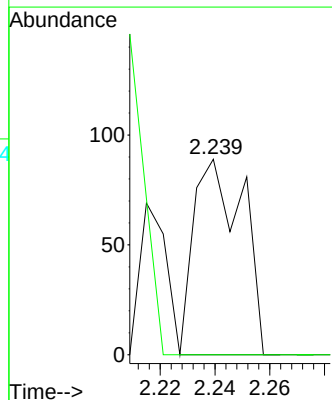
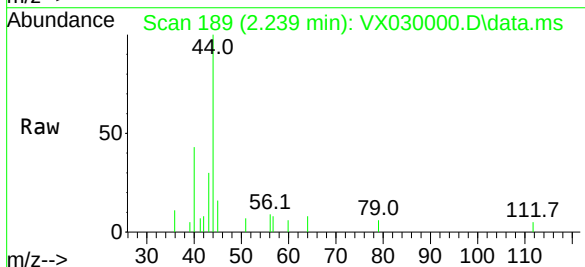
Acq: 11 Jul 2022 16:19

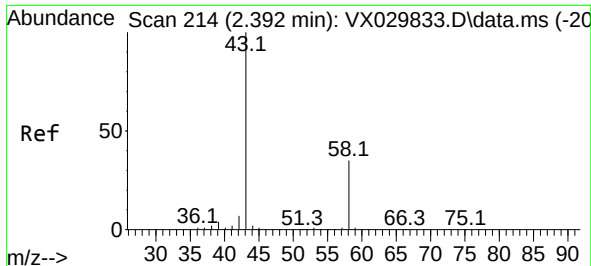
Tgt Ion: 56 Resp: 110

Ion Ratio Lower Upper

56 100

55 0.0 56.6 84.8#

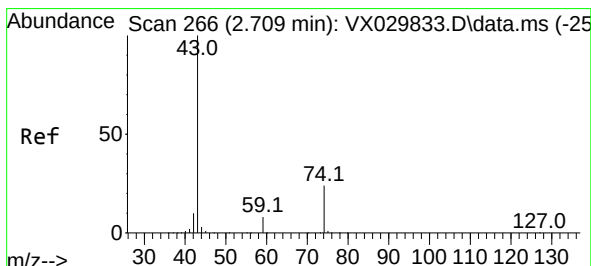
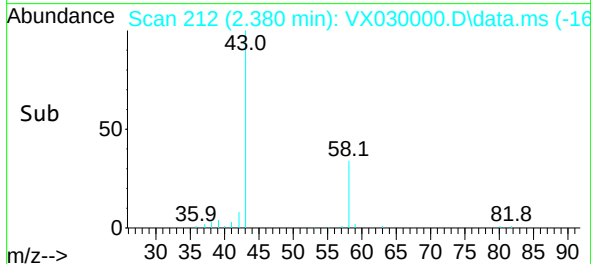
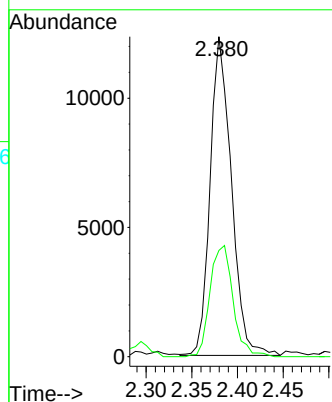
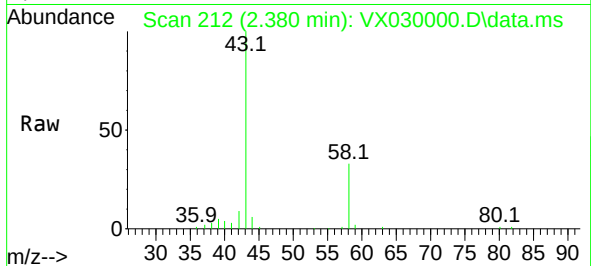




#16
Acetone
Concen: 17.334 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX030000.D
Acq: 11 Jul 2022 16:19

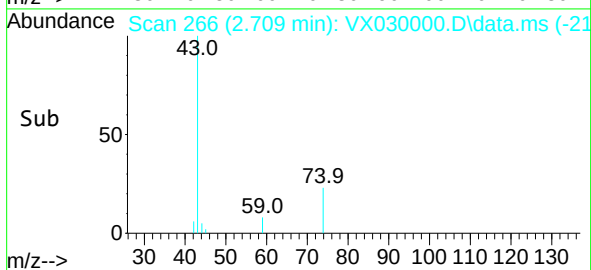
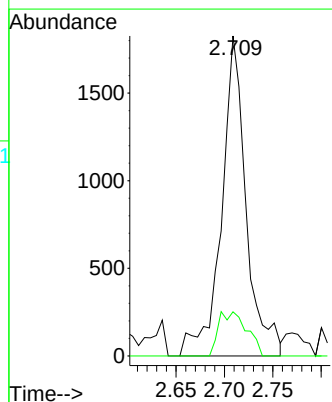
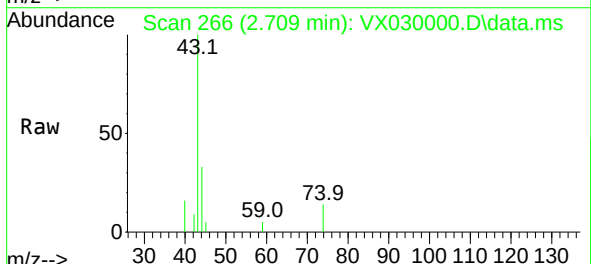
Instrument :
MSVOA_X
ClientSampleId :
PB146125ZHE#05

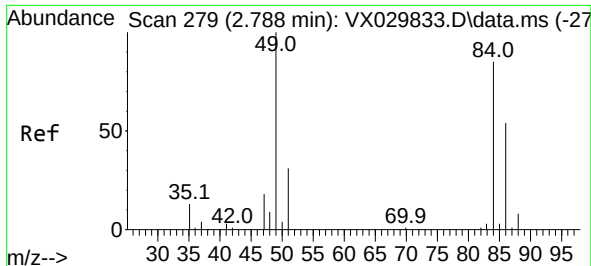
Tgt Ion: 43 Resp: 19930
Ion Ratio Lower Upper
43 100
58 33.3 27.7 41.5



#18
Methyl Acetate
Concen: 0.910 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX030000.D
Acq: 11 Jul 2022 16:19

Tgt Ion: 43 Resp: 3227
Ion Ratio Lower Upper
43 100
74 15.9 19.4 29.2#





#20

Methylene Chloride

Concen: 9.091 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX030000.D

Acq: 11 Jul 2022 16:19

Instrument :

MSVOA_X

ClientSampleId :

PB146125ZHE#05

Tgt Ion: 84 Resp: 22075

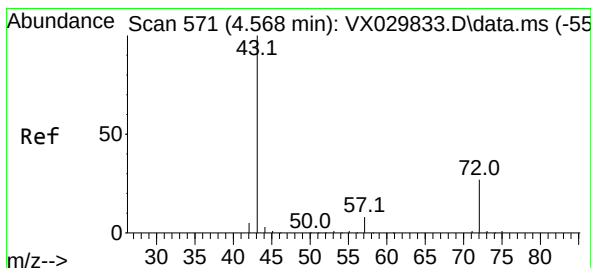
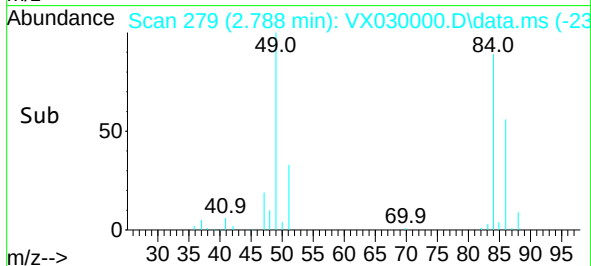
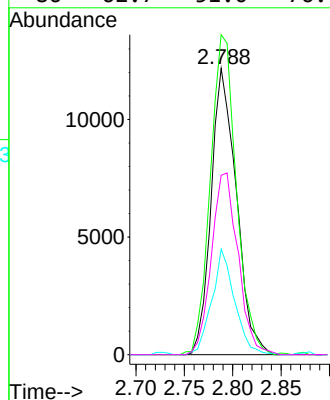
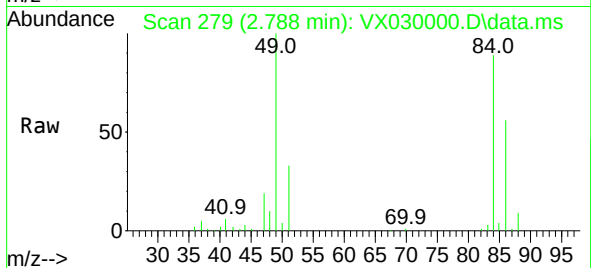
Ion Ratio Lower Upper

84 100

49 111.8 93.8 140.6

51 36.9 29.4 44.0

86 62.7 51.0 76.4



#25

2-Butanone

Concen: 3.061 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX030000.D

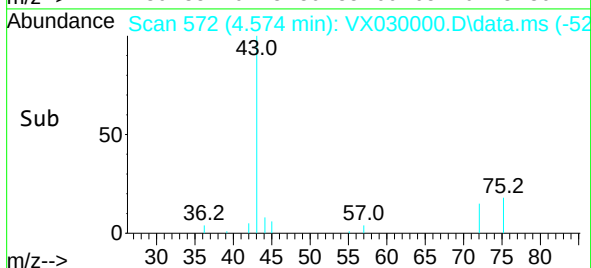
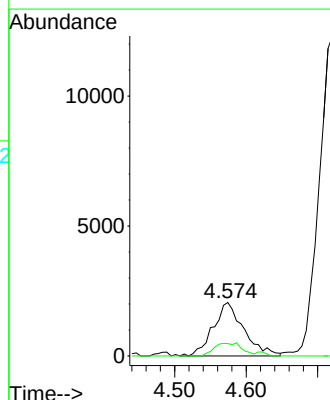
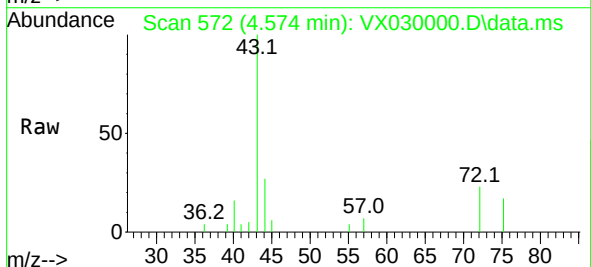
Acq: 11 Jul 2022 16:19

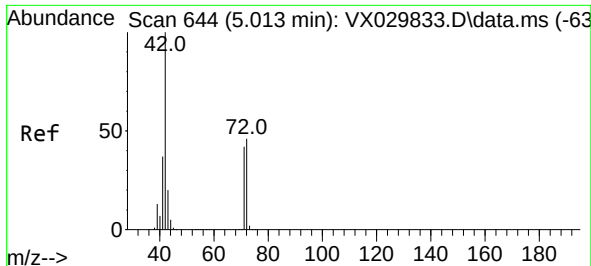
Tgt Ion: 43 Resp: 6109

Ion Ratio Lower Upper

43 100

72 23.0 21.7 32.5





#29

Tetrahydrofuran

Concen: 0.439 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX030000.D

Acq: 11 Jul 2022 16:19

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ClientSampleId :

PB146125ZHE#05

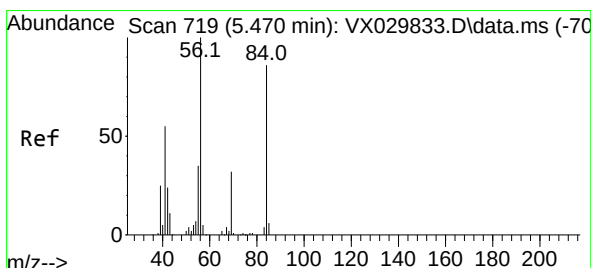
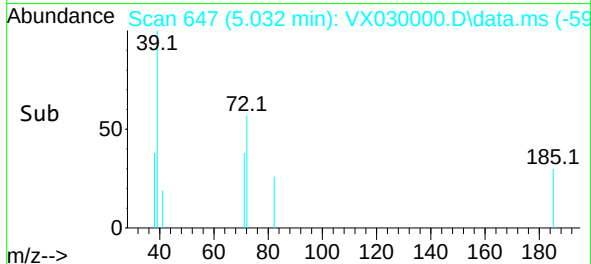
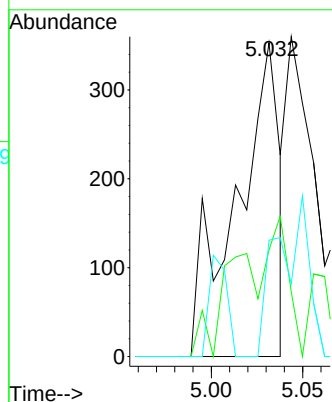
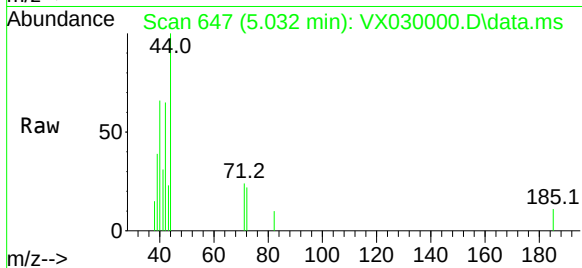
Tgt Ion: 42 Resp: 577

Ion Ratio Lower Upper

42 100

72 22.2 36.5 54.7#

71 0.0 33.9 50.9#



#31

Cyclohexane

Concen: 1.082 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX030000.D

Acq: 11 Jul 2022 16:19

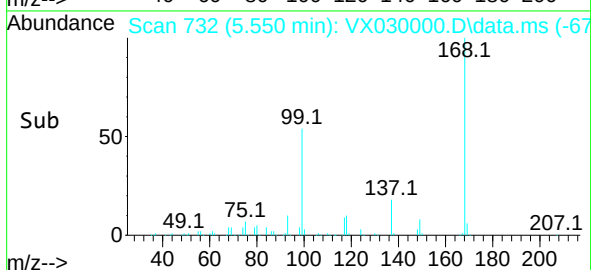
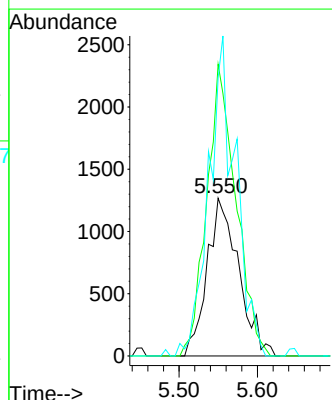
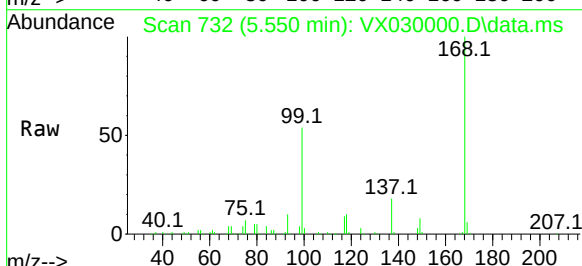
Tgt Ion: 56 Resp: 3547

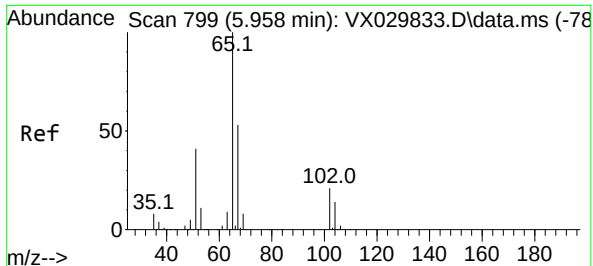
Ion Ratio Lower Upper

56 100

69 184.9 25.4 38.0#

84 176.1 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 41.922 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX030000.D

Acq: 11 Jul 2022 16:19

Instrument :

MSVOA_X

ClientSampleId :

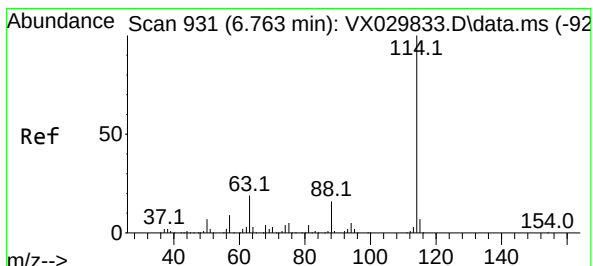
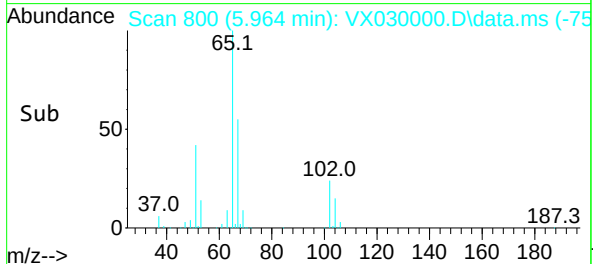
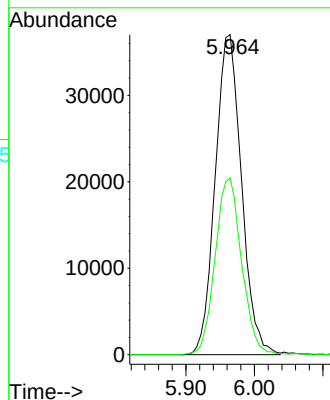
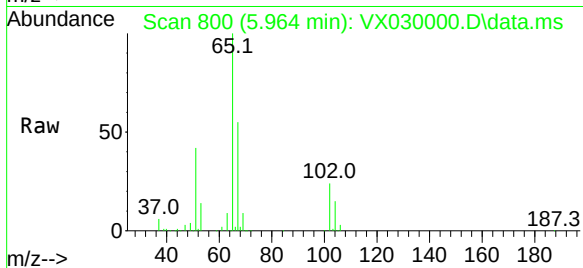
PB146125ZHE#05

Tgt Ion: 65 Resp: 98521

Ion Ratio Lower Upper

65 100

67 55.5 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: VX030000.D

Acq: 11 Jul 2022 16:19

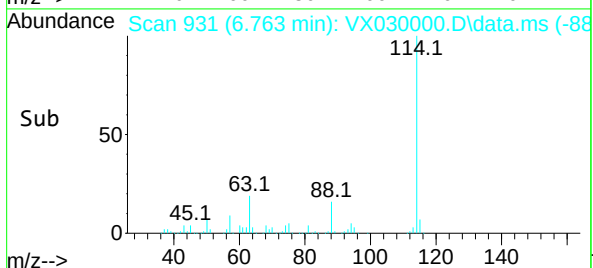
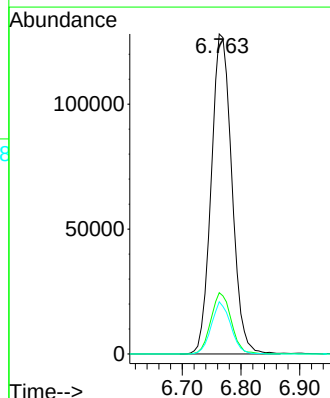
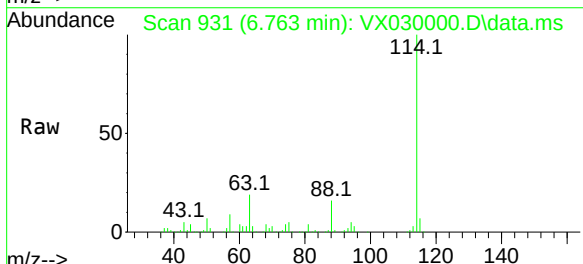
Tgt Ion: 114 Resp: 311950

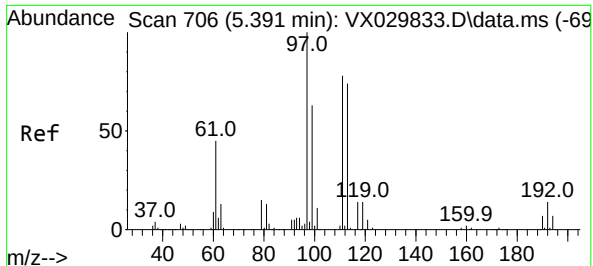
Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.4

88 16.3 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.838 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030000.D

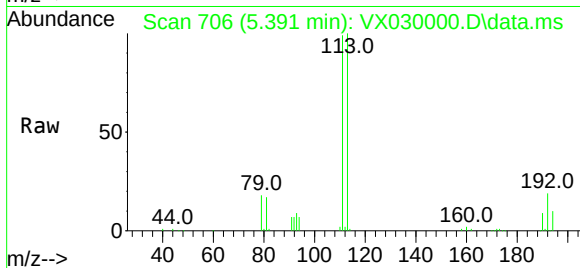
Acq: 11 Jul 2022 16:19

Instrument :

MSVOA_X

ClientSampleId :

PB146125ZHE#05



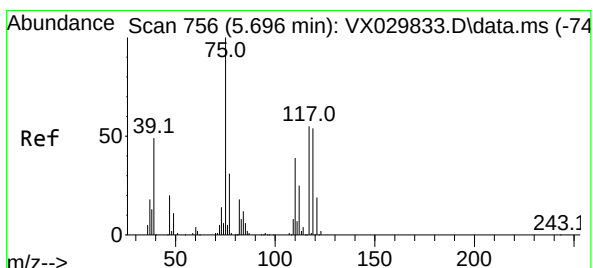
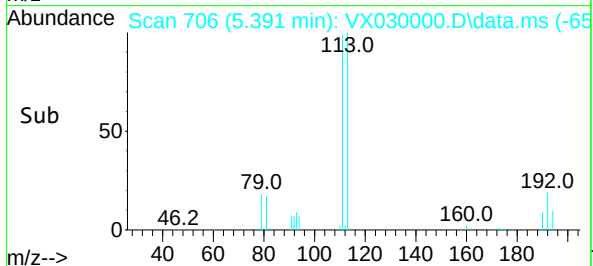
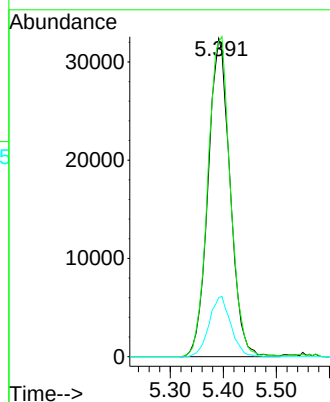
Tgt Ion:113 Resp: 93262

Ion Ratio Lower Upper

113 100

111 102.6 83.2 124.8

192 18.7 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.110 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX030000.D

Acq: 11 Jul 2022 16:19

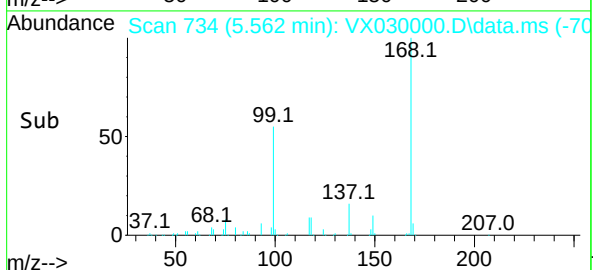
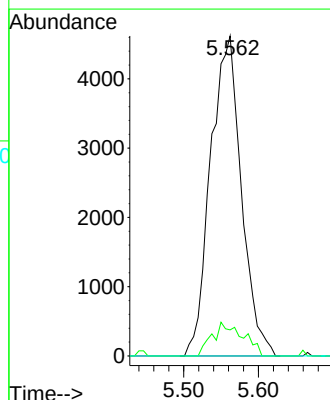
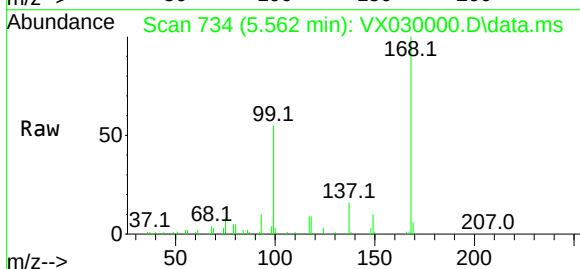
Tgt Ion: 75 Resp: 13249

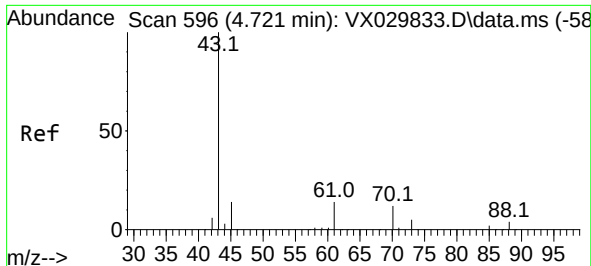
Ion Ratio Lower Upper

75 100

110 10.5 19.3 57.9#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 9.937 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.000 min

Lab File: VX030000.D

Acq: 11 Jul 2022 16:19

Instrument :

MSVOA_X

ClientSampleId :

PB146125ZHE#05

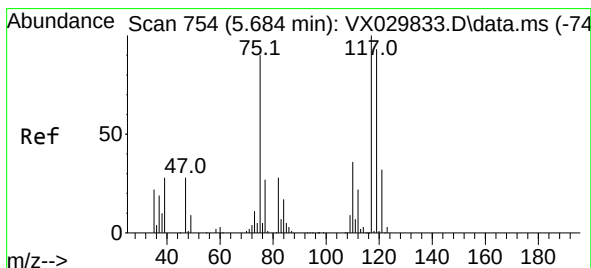
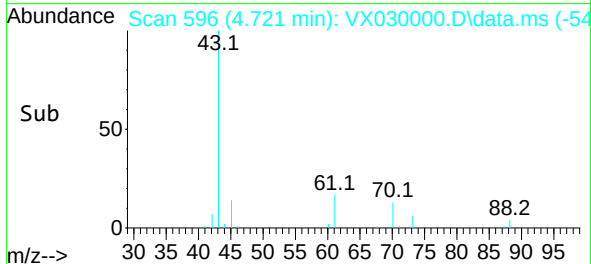
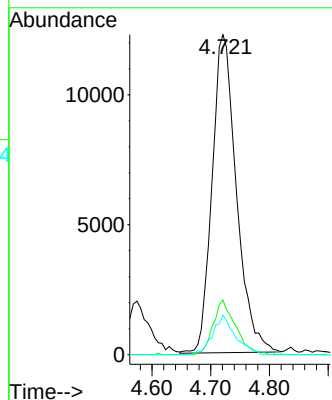
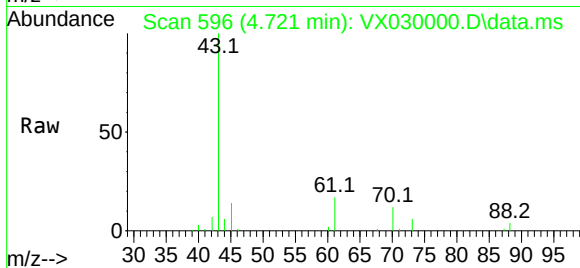
Tgt Ion: 43 Resp: 35239

Ion Ratio Lower Upper

43 100

61 15.9 11.7 17.5

70 11.5 9.3 13.9



#38

Carbon Tetrachloride

Concen: 7.356 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX030000.D

Acq: 11 Jul 2022 16:19

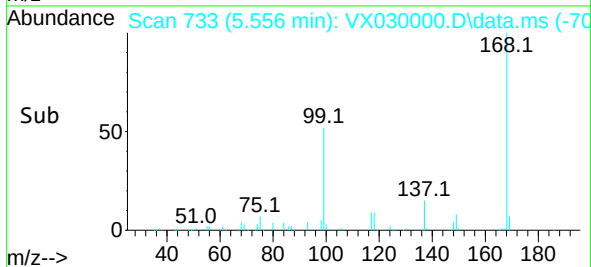
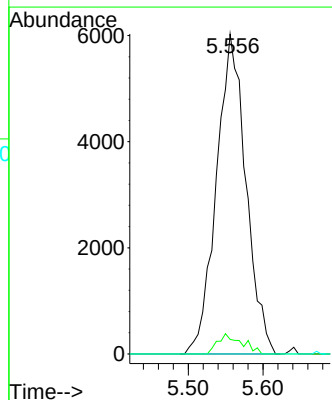
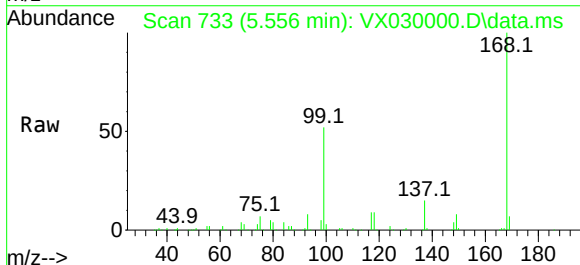
Tgt Ion: 117 Resp: 16526

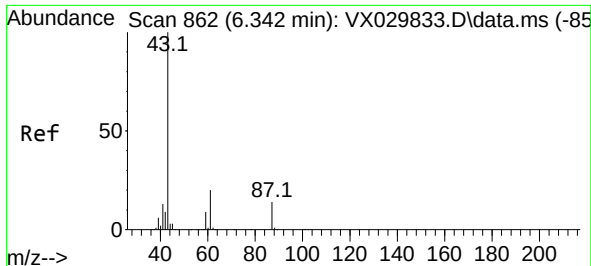
Ion Ratio Lower Upper

117 100

119 4.5 74.1 111.1#

121 0.0 25.8 38.8#

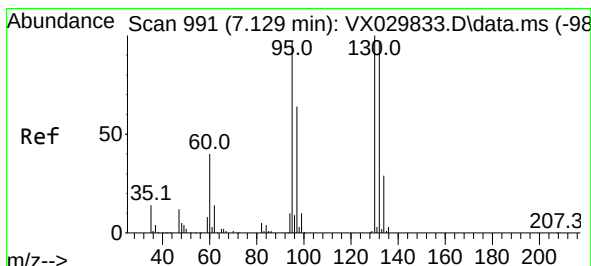
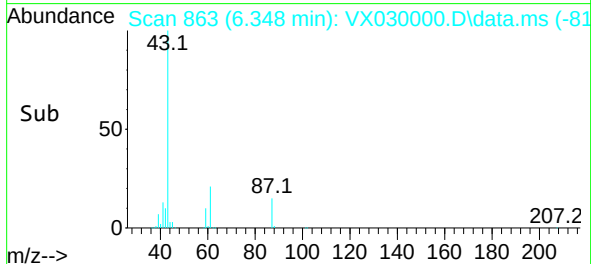
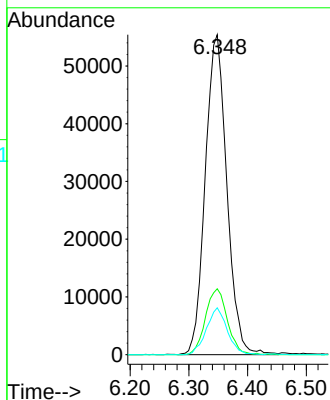
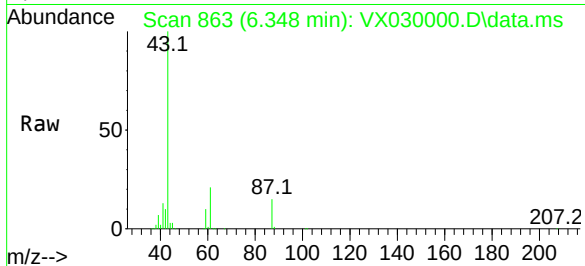




#43
Isopropyl Acetate
Concen: 26.483 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX030000.D
Acq: 11 Jul 2022 16:19

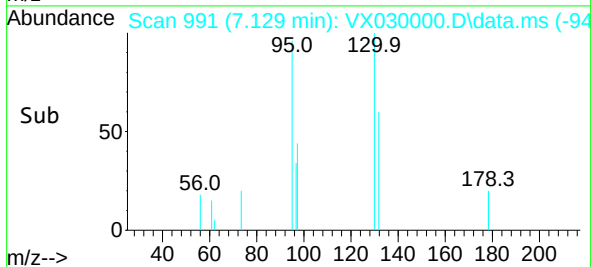
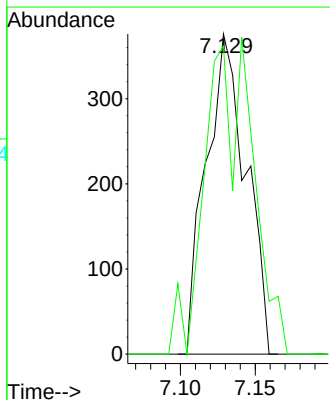
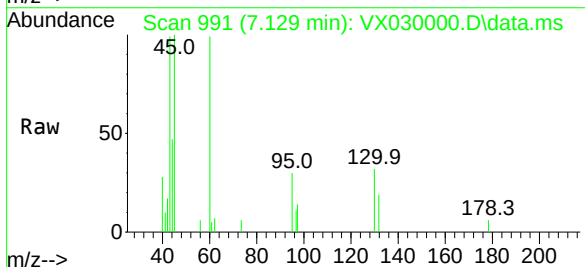
Instrument :
MSVOA_X
ClientSampleId :
PB146125ZHE#05

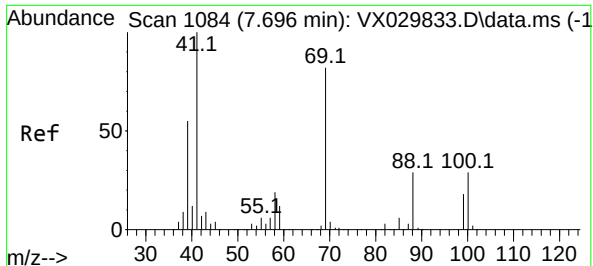
Tgt Ion: 43 Resp: 141422
Ion Ratio Lower Upper
43 100
61 20.9 16.5 24.7
87 14.2 11.1 16.7



#44
Trichloroethene
Concen: 0.309 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX030000.D
Acq: 11 Jul 2022 16:19

Tgt Ion: 130 Resp: 697
Ion Ratio Lower Upper
130 100
95 78.2 0.0 194.8





#48

Methyl methacrylate

Concen: 48.083 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX030000.D

Acq: 11 Jul 2022 16:19

Instrument :

MSVOA_X

ClientSampleId :

PB146125ZHE#05

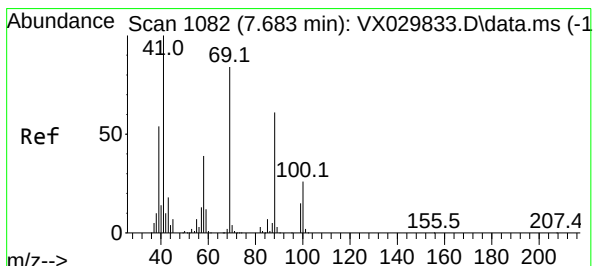
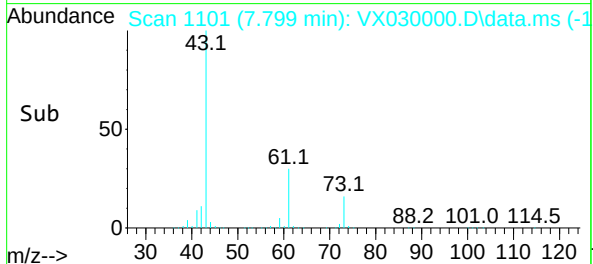
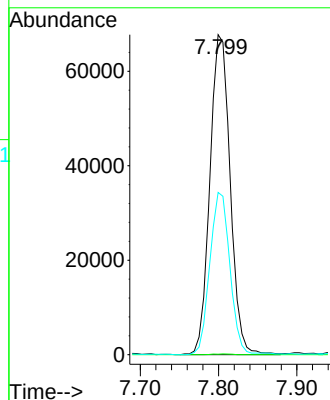
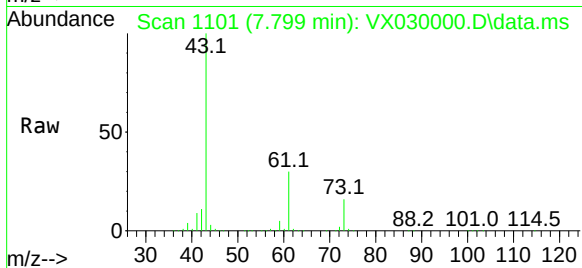
Tgt Ion: 41 Resp: 121743

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: 0.951 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. 0.012 min

Lab File: VX030000.D

Acq: 11 Jul 2022 16:19

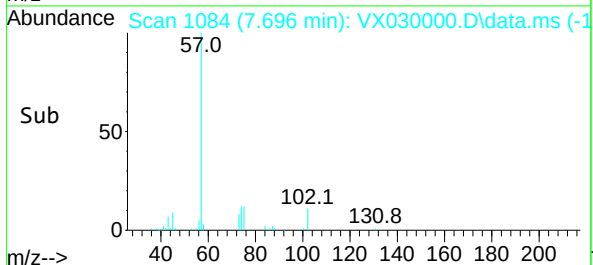
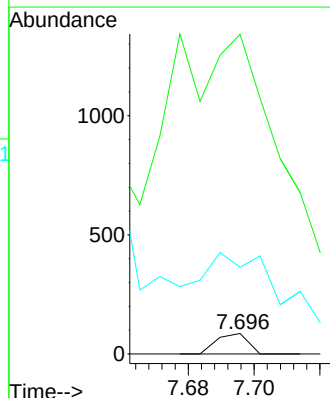
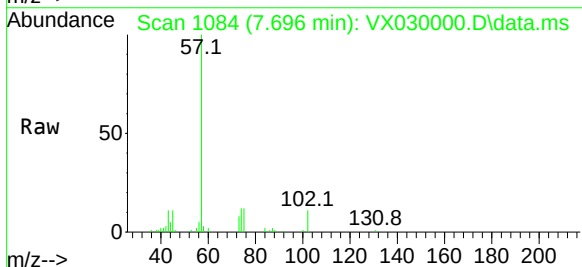
Tgt Ion: 88 Resp: 57

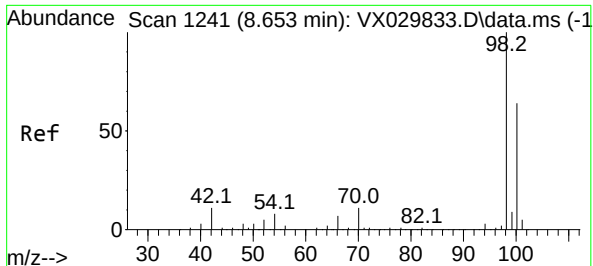
Ion Ratio Lower Upper

88 100

43 0.0 23.8 35.8#

58 1356.1 53.8 80.6#

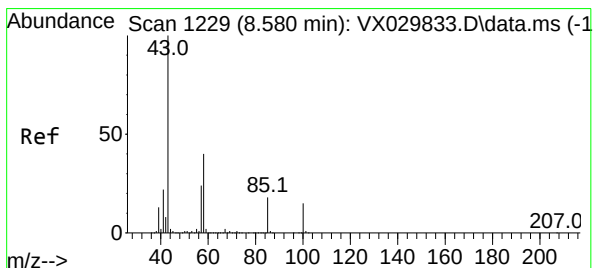
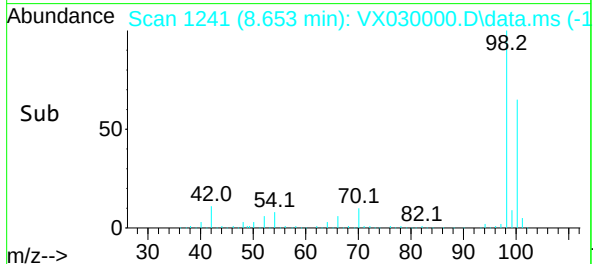
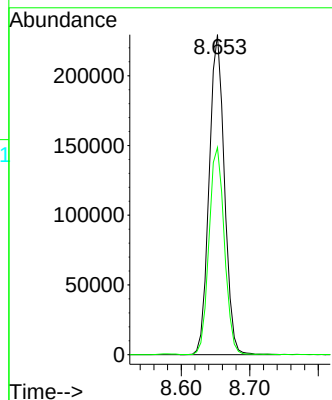
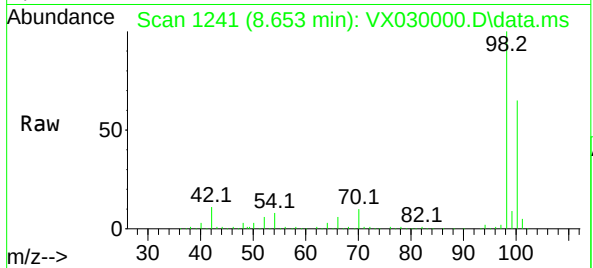




#50
Toluene-d8
Concen: 48.613 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030000.D
Acq: 11 Jul 2022 16:19

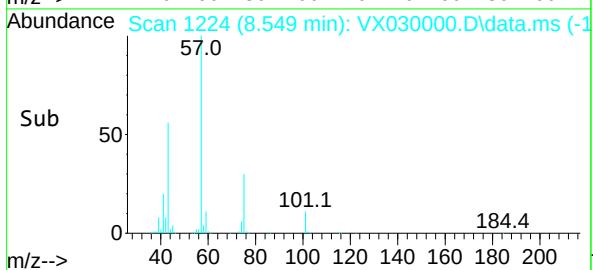
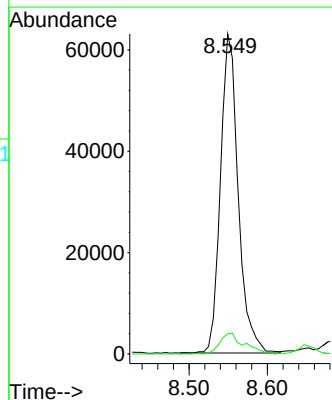
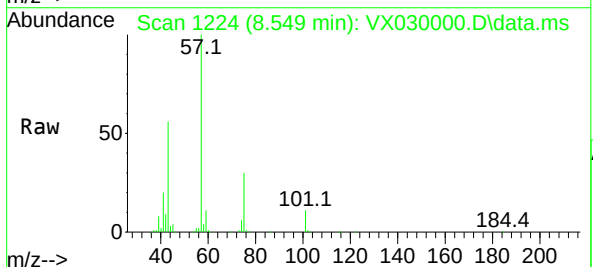
Instrument :
MSVOA_X
ClientSampleId :
PB146125ZHE#05

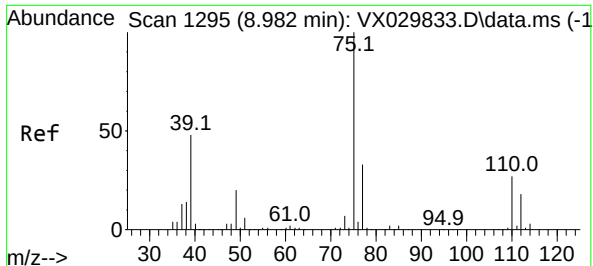
Tgt Ion: 98 Resp: 355533
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 28.194 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX030000.D
Acq: 11 Jul 2022 16:19

Tgt Ion: 43 Resp: 99280
Ion Ratio Lower Upper
43 100
58 8.8 31.4 47.2#





#53

t-1,3-Dichloropropene

Concen: 0.371 ug/l

RT: 8.964 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX030000.D

Acq: 11 Jul 2022 16:19

Instrument :

MSVOA_X

ClientSampleId :

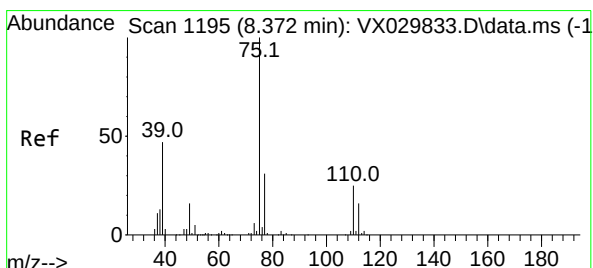
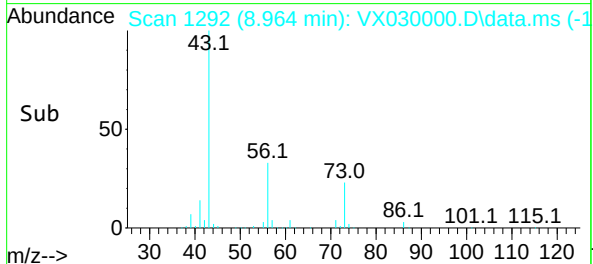
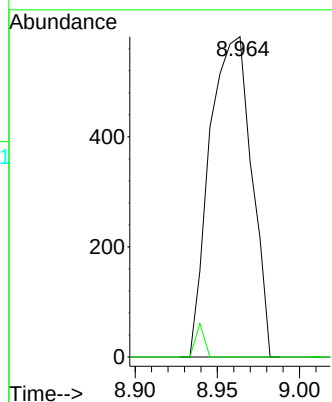
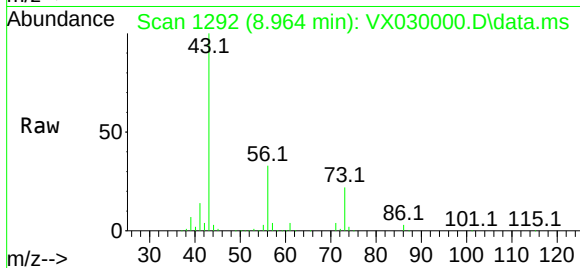
PB146125ZHE#05

Tgt Ion: 75 Resp: 1028

Ion Ratio Lower Upper

75 100

77 0.0 26.3 39.5#



#54

cis-1,3-Dichloropropene

Concen: 16.223 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.177 min

Lab File: VX030000.D

Acq: 11 Jul 2022 16:19

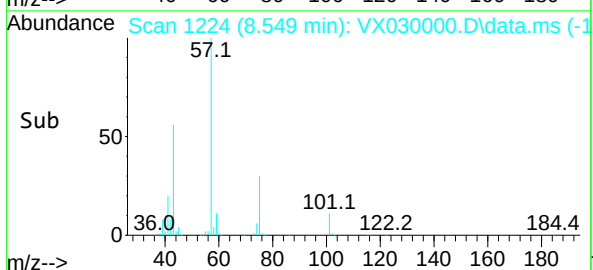
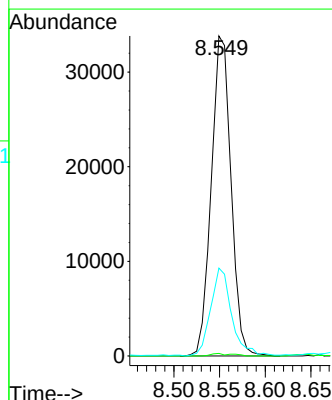
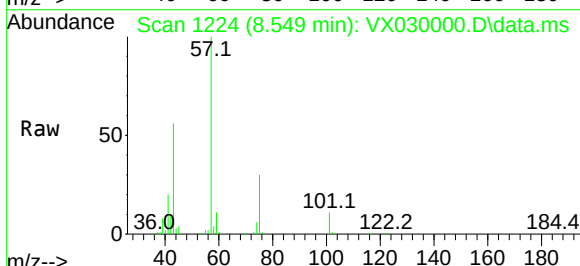
Tgt Ion: 75 Resp: 50736

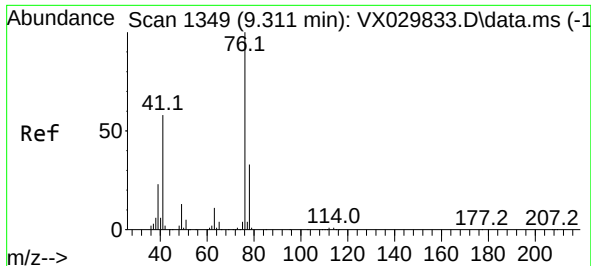
Ion Ratio Lower Upper

75 100

77 0.8 25.0 37.4#

39 27.2 37.5 56.3#





#57

1,3-Dichloropropane

Concen: 1.707 ug/l

RT: 9.488 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX030000.D

Acq: 11 Jul 2022 16:19

Instrument :

MSVOA_X

ClientSampleId :

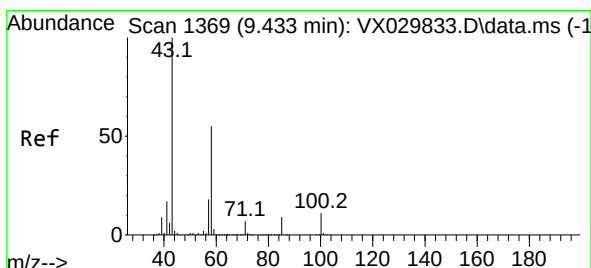
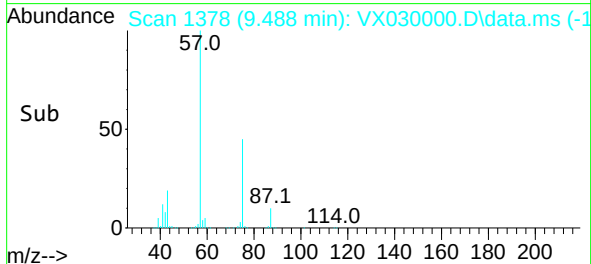
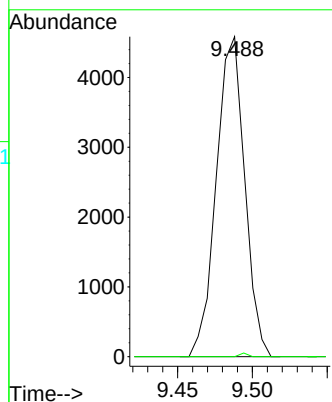
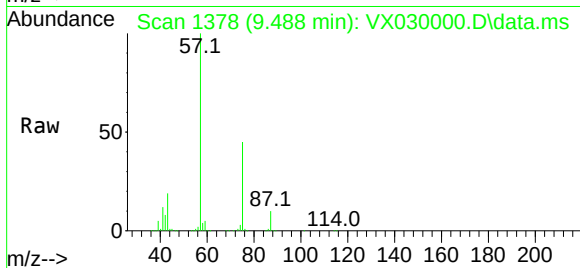
PB146125ZHE#05

Tgt Ion: 76 Resp: 6054

Ion Ratio Lower Upper

76 100

78 0.3 25.9 38.9#



#59

2-Hexanone

Concen: 31.362 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX030000.D

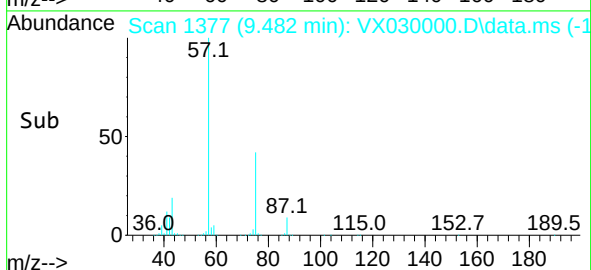
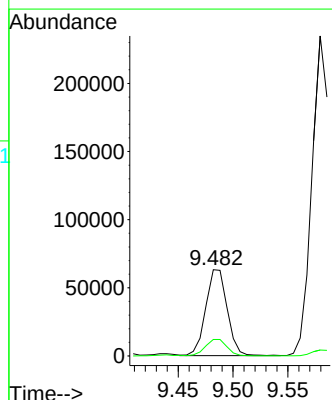
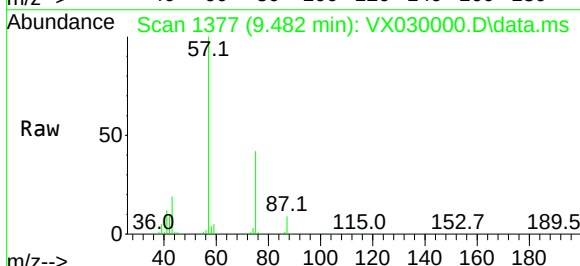
Acq: 11 Jul 2022 16:19

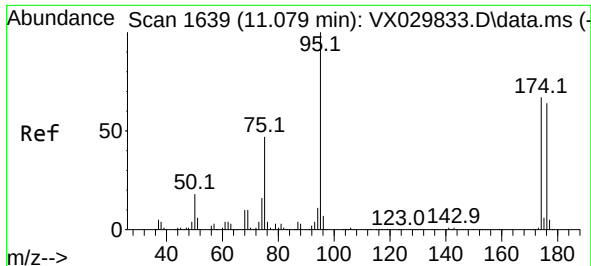
Tgt Ion: 43 Resp: 85704

Ion Ratio Lower Upper

43 100

58 19.8 27.6 82.8#





#62

4-Bromofluorobenzene

Concen: 45.924 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX030000.D

Acq: 11 Jul 2022 16:19

Instrument :

MSVOA_X

ClientSampleId :

PB146125ZHE#05

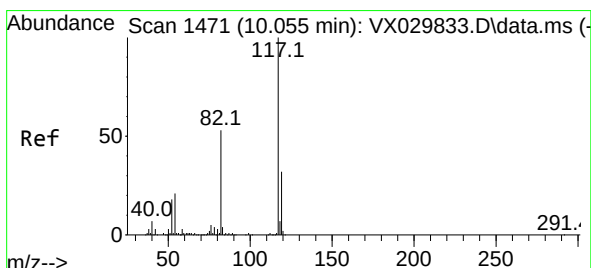
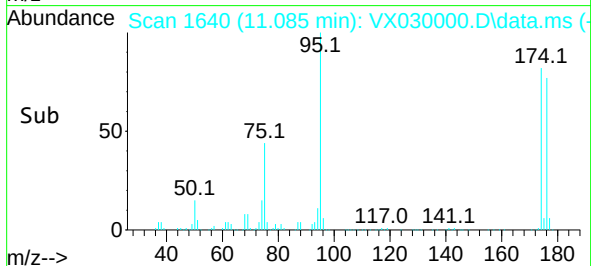
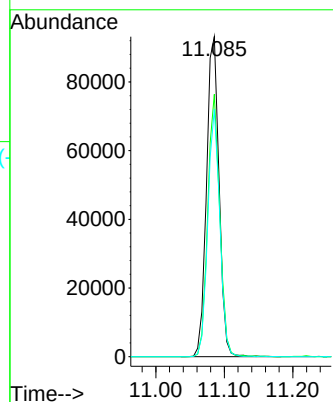
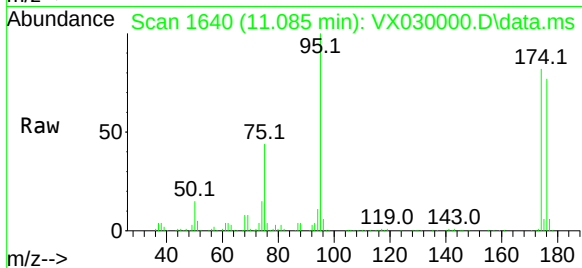
Tgt Ion: 95 Resp: 118725

Ion Ratio Lower Upper

95 100

174 78.8 0.0 149.0

176 74.0 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: VX030000.D

Acq: 11 Jul 2022 16:19

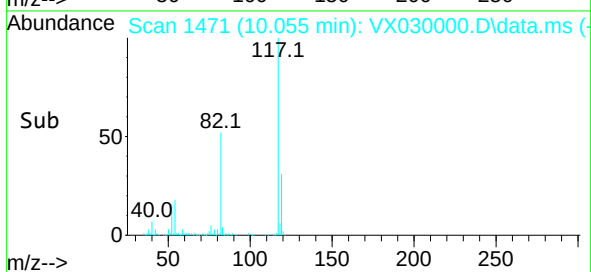
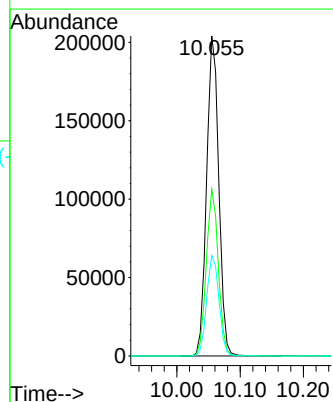
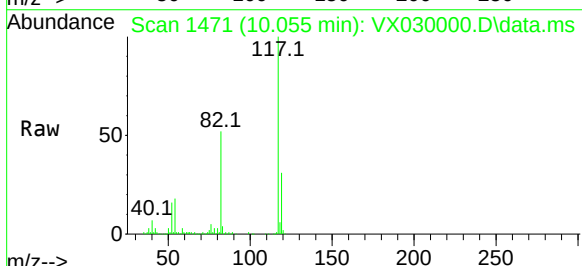
Tgt Ion: 117 Resp: 273299

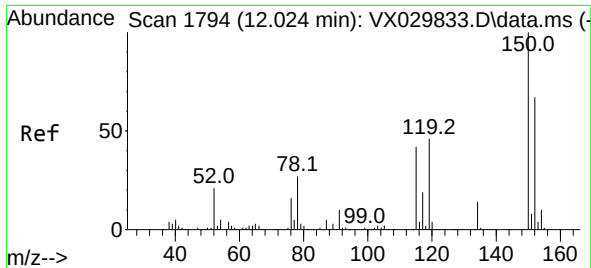
Ion Ratio Lower Upper

117 100

82 52.1 42.7 64.1

119 31.4 25.4 38.2

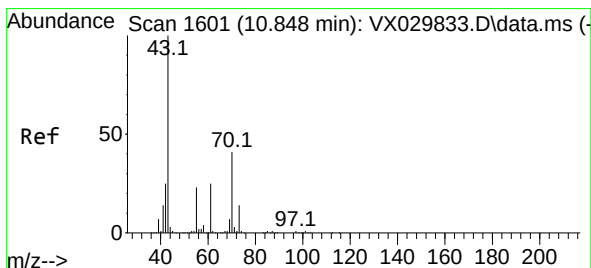
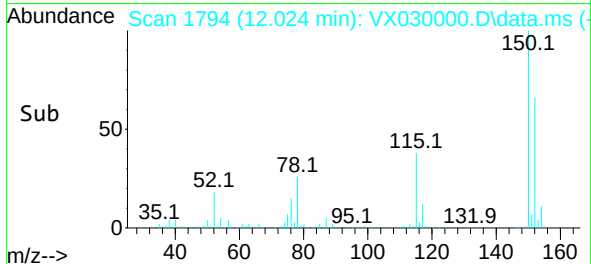
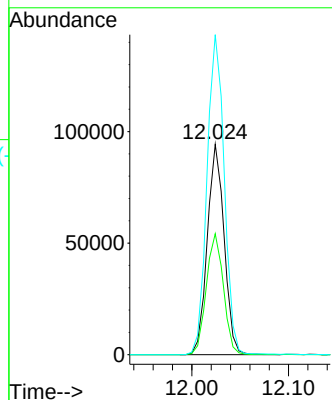
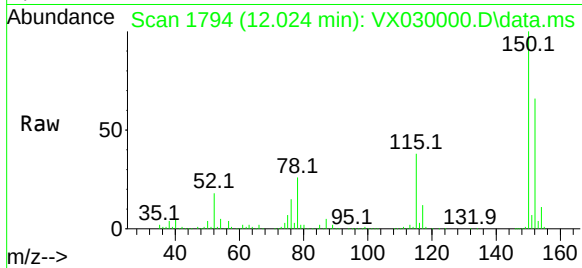




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030000.D
Acq: 11 Jul 2022 16:19

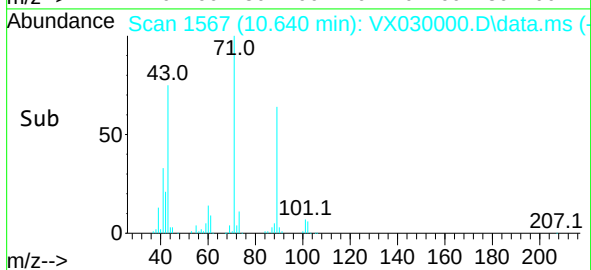
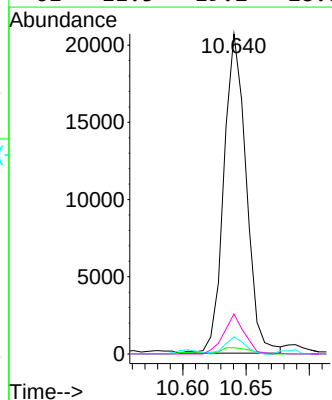
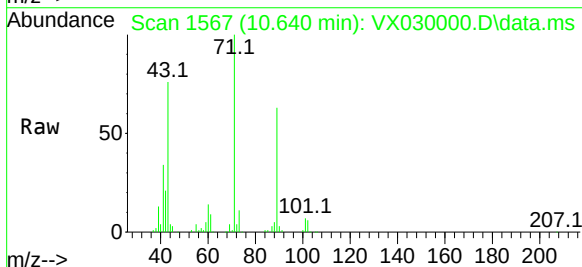
Instrument :
MSVOA_X
ClientSampleId :
PB146125ZHE#05

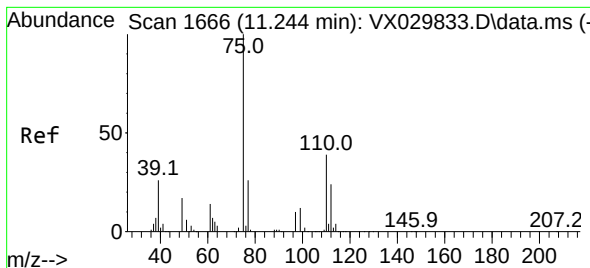
Tgt Ion:152 Resp: 114402
Ion Ratio Lower Upper
152 100
115 58.3 40.5 121.5
150 156.0 0.0 347.0



#74
N-ethyl acetate
Concen: 6.198 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.207 min
Lab File: VX030000.D
Acq: 11 Jul 2022 16:19

Tgt Ion: 43 Resp: 25402
Ion Ratio Lower Upper
43 100
70 2.4 32.3 48.5#
55 4.8 18.4 27.6#
61 11.5 19.2 28.8#





#76

1,2,3-Trichloropropane

Concen: 19.672 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.158 min

Lab File: VX030000.D

Acq: 11 Jul 2022 16:19

Instrument :

MSVOA_X

ClientSampleId :

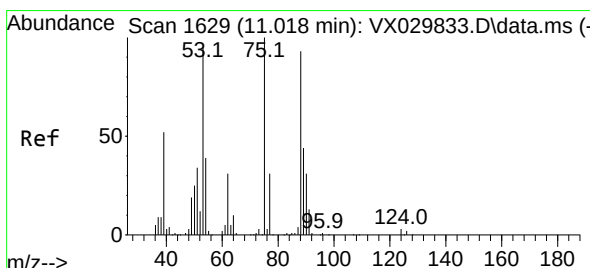
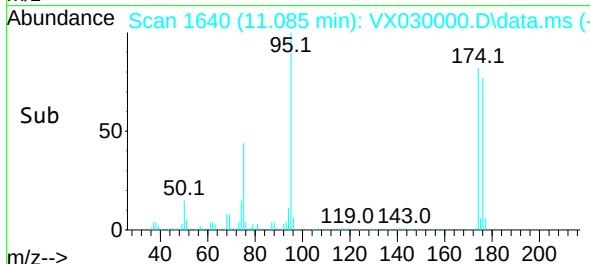
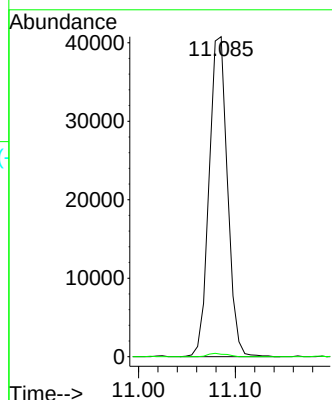
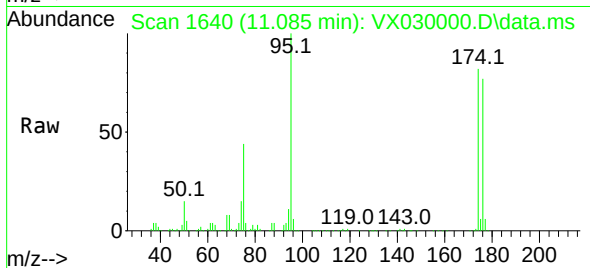
PB146125ZHE#05

Tgt Ion: 75 Resp: 53873

Ion Ratio Lower Upper

75 100

77 1.1 19.8 59.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.472 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.067 min

Lab File: VX030000.D

Acq: 11 Jul 2022 16:19

Tgt Ion: 75 Resp: 53873

Ion Ratio Lower Upper

75 100

53 0.0 74.2 111.4#

89 0.1 34.8 52.2#

