

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090322\
 Data File : VX031111.D
 Acq On : 04 Sep 2022 03:11
 Operator : JC/MD
 Sample : PB14700TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB147400TB

Quant Time: Sep 06 01:29:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 02:49:21 2022
 Response via : Initial Calibration

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

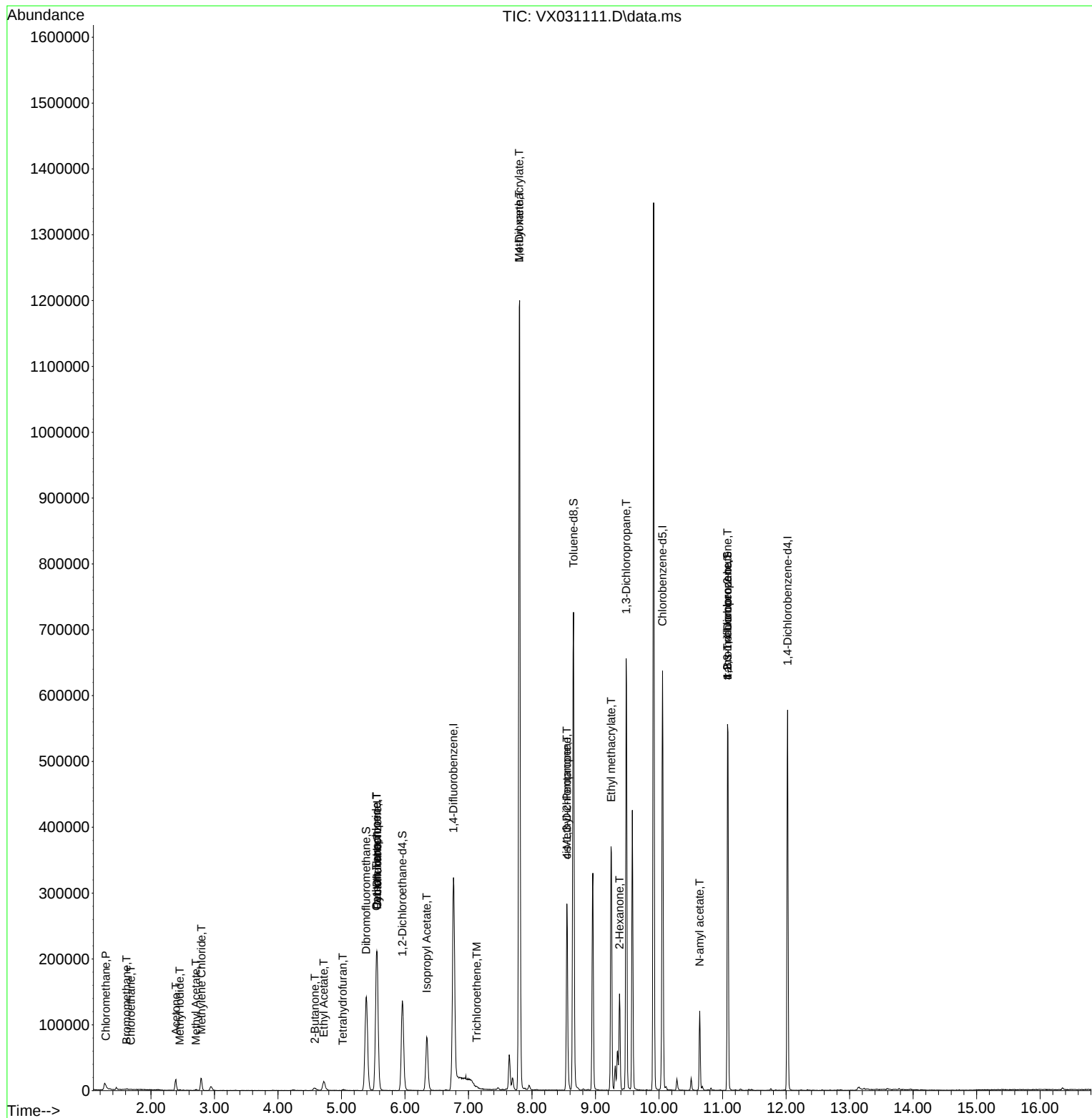
Internal Standards						
1) Pentafluorobenzene	5.562	168	220587	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	345941	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	311219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	132222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	135827	47.855	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.720%
35) Dibromofluoromethane	5.385	113	130321	51.621	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.240%
50) Toluene-d8	8.653	98	459274	49.431	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.860%
62) 4-Bromofluorobenzene	11.079	95	156411	47.662	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.320%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	681	1.010	ug/l #	88
5) Bromomethane	1.618	94	469	0.442	ug/l #	78
6) Chloroethane	1.685	64	258	1.883	ug/l #	41
10) Methyl Iodide	2.453	142	1096	3.311	ug/l	97
11) Tert butyl alcohol	2.947	59	4192	Below Cal	#	74
16) Acetone	2.392	43	17509	15.980	ug/l	89
18) Methyl Acetate	2.709	43	1576	0.501	ug/l	91
20) Methylene Chloride	2.794	84	9393	1.393	ug/l #	80
25) 2-Butanone	4.580	43	4702	2.780	ug/l	99
29) Tetrahydrofuran	5.019	42	1188	1.089	ug/l #	76
31) Cyclohexane	5.562	56	3401	0.877	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	14764	4.175	ug/l #	49
37) Ethyl Acetate	4.721	43	23641	7.695	ug/l #	93
38) Carbon Tetrachloride	5.550	117	21052	5.735	ug/l #	17
43) Isopropyl Acetate	6.342	43	105004	21.867	ug/l #	93
44) Trichloroethene	7.129	130	702	0.218	ug/l	78
48) Methyl methacrylate	7.799	41	94394	38.938	ug/l #	41
49) 1,4-Dioxane	7.799	88	199	2.699	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	85682	27.757	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	51263	12.724	ug/l #	59
56) Ethyl methacrylate	9.244	69	1140	0.298	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	6278	1.419	ug/l #	42
59) 2-Hexanone	9.378	43	97739	41.870	ug/l #	24
74) N-amyl acetate	10.640	43	26027	8.090	ug/l #	55
76) 1,2,3-Trichloropropane	11.079	75	71642	22.921	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	71642	72.034	ug/l #	12

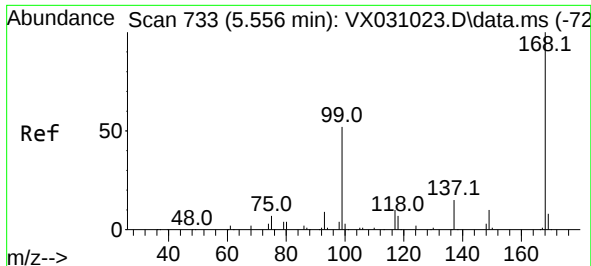
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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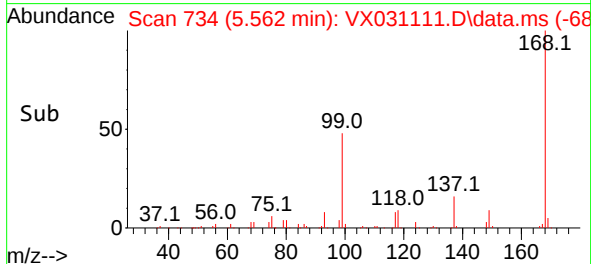
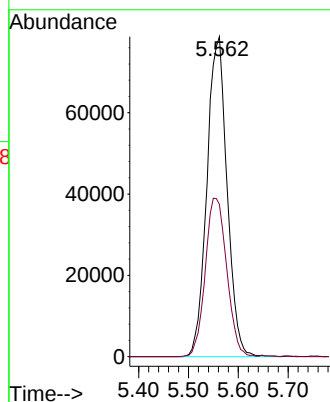
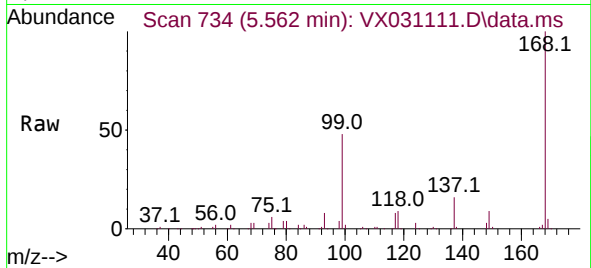




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX031111.D
Acq: 04 Sep 2022 03:11

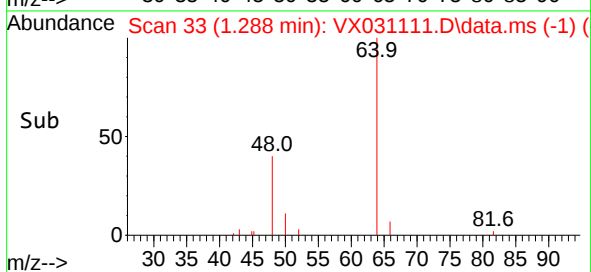
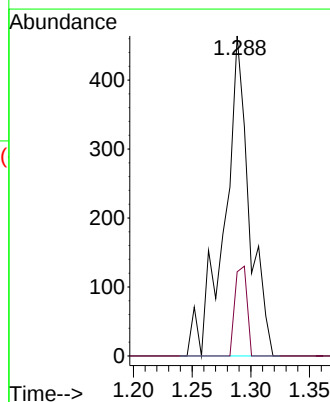
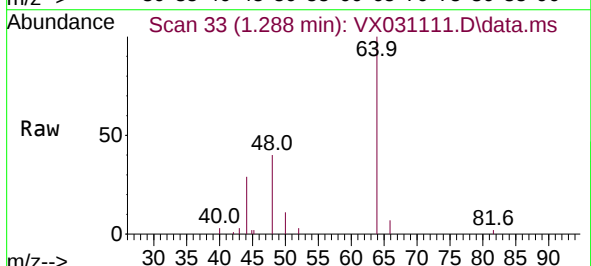
Instrument :
MSVOA_X
ClientSampleId :
PB147400TB

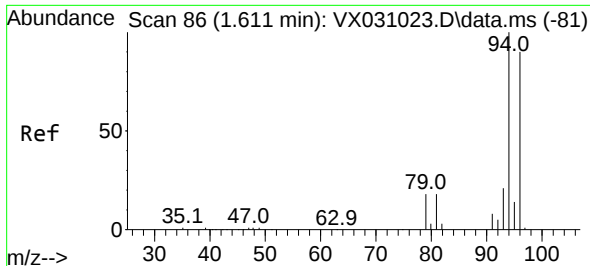
Tgt Ion:168 Resp: 220587
Ion Ratio Lower Upper
168 100
99 47.5 44.0 66.0



#3
Chloromethane
Concen: 1.010 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031111.D
Acq: 04 Sep 2022 03:11

Tgt Ion: 50 Resp: 681
Ion Ratio Lower Upper
50 100
52 26.3 26.3 39.5#

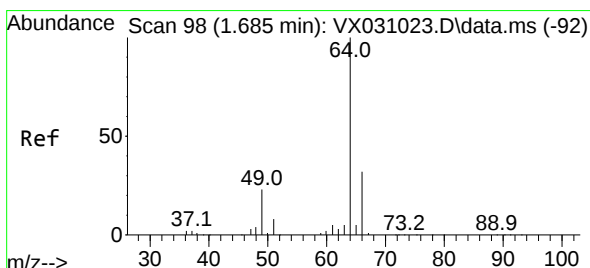
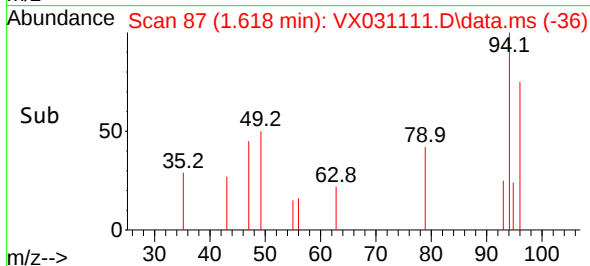
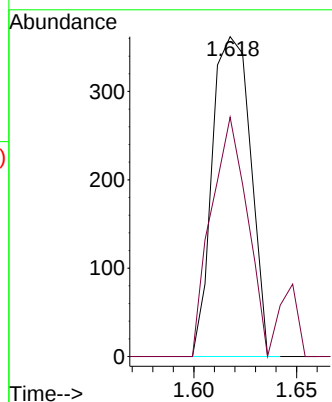
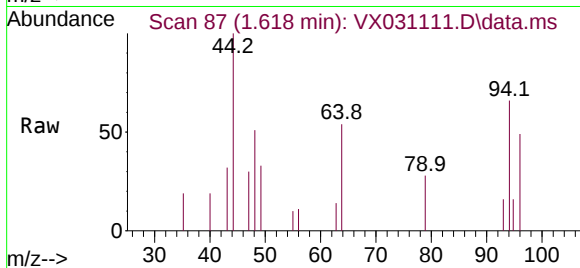




#5
Bromomethane
Concen: 0.442 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.013 min
Lab File: VX031111.D
Acq: 04 Sep 2022 03:11

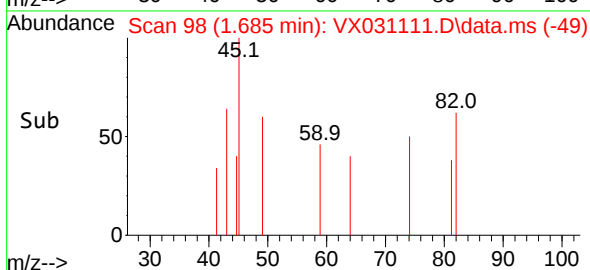
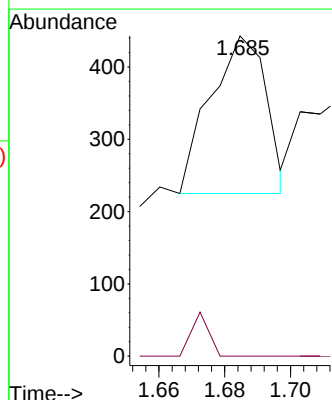
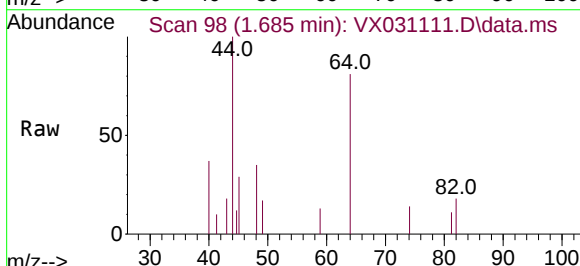
Instrument :
MSVOA_X
ClientSampleId :
PB147400TB

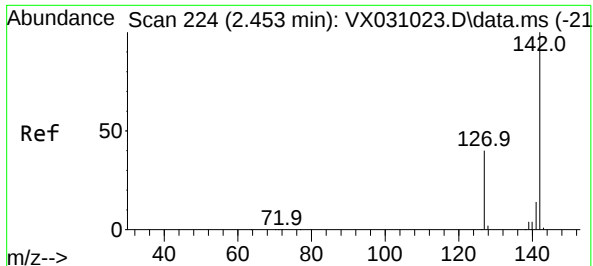
Tgt Ion: 94 Resp: 469
Ion Ratio Lower Upper
94 100
96 74.9 76.9 115.3#



#6
Chloroethane
Concen: 1.883 ug/l
RT: 1.685 min Scan# 98
Delta R.T. -0.000 min
Lab File: VX031111.D
Acq: 04 Sep 2022 03:11

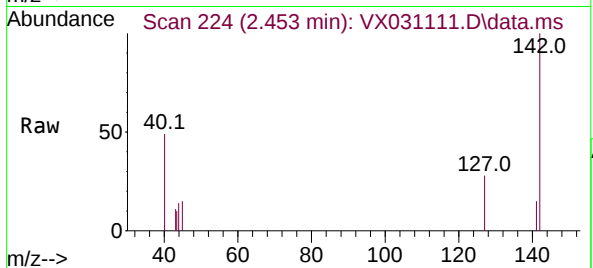
Tgt Ion: 64 Resp: 258
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



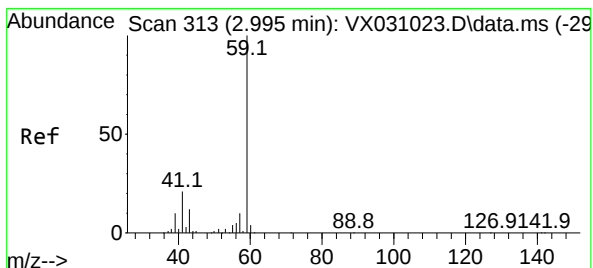
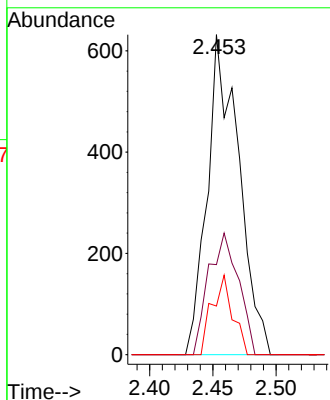
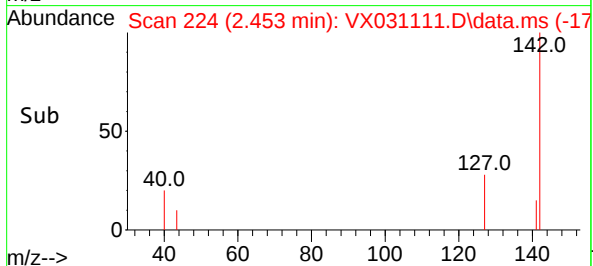


#10
Methyl Iodide
Concen: 3.311 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX031111.D
Acq: 04 Sep 2022 03:11

Instrument :
MSVOA_X
ClientSampleId :
PB147400TB

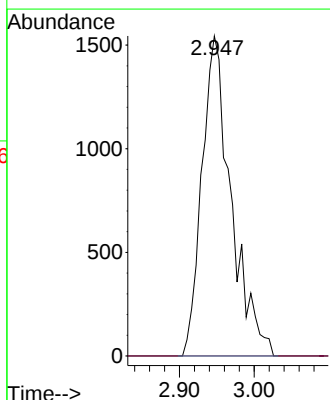
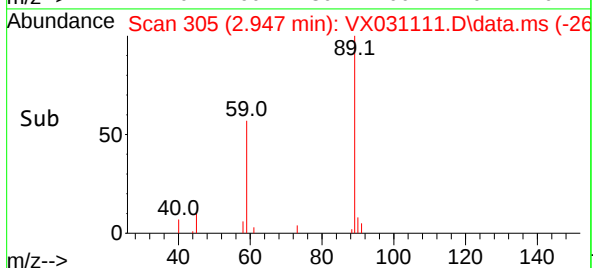
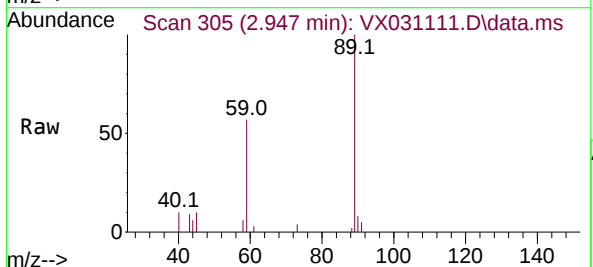


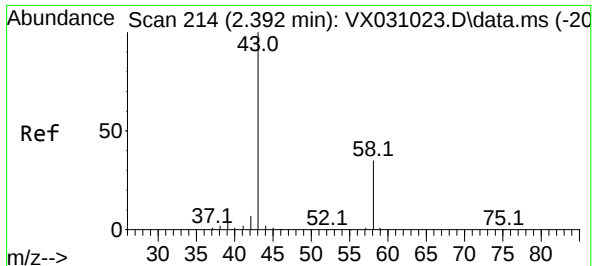
Tgt Ion:142 Resp: 1096
Ion Ratio Lower Upper
142 100
127 35.9 30.2 45.2
141 16.1 11.3 16.9



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.042 min
Lab File: VX031111.D
Acq: 04 Sep 2022 03:11

Tgt Ion: 59 Resp: 4192
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

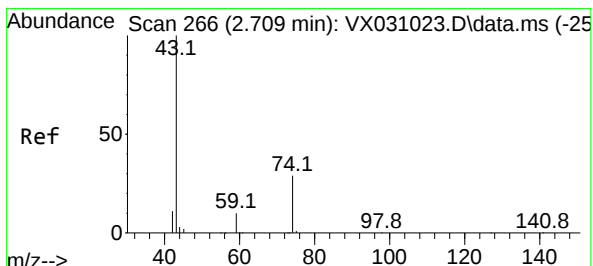
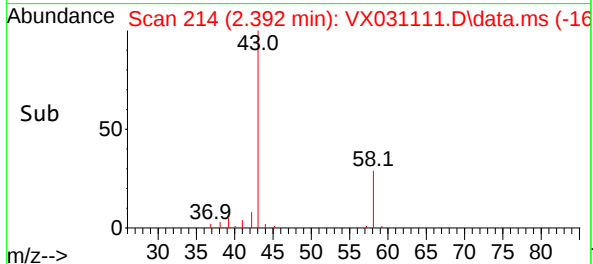
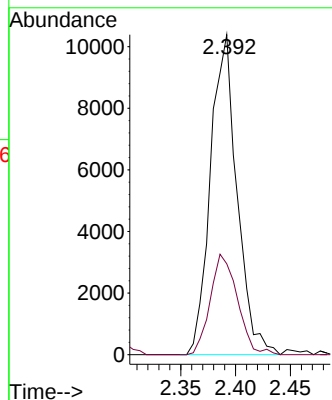
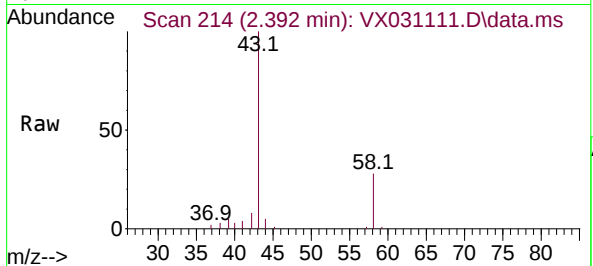




#16
Acetone
Concen: 15.980 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX031111.D
Acq: 04 Sep 2022 03:11

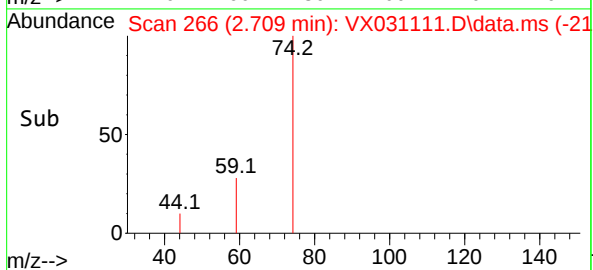
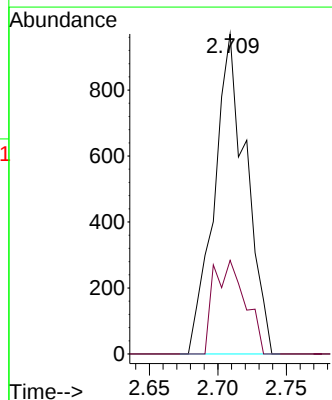
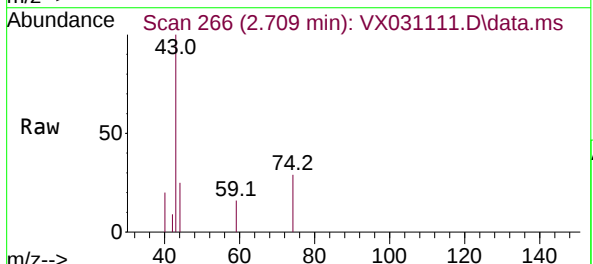
Instrument :
MSVOA_X
ClientSampleId :
PB147400TB

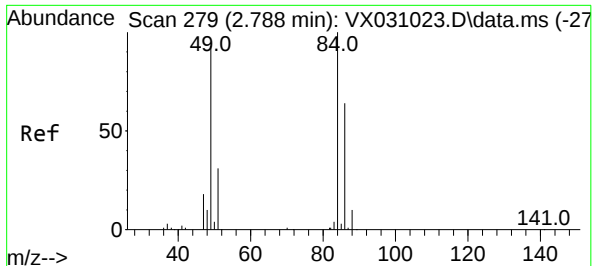
Tgt Ion: 43 Resp: 17509
Ion Ratio Lower Upper
43 100
58 28.4 27.7 41.5



#18
Methyl Acetate
Concen: 0.501 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX031111.D
Acq: 04 Sep 2022 03:11

Tgt Ion: 43 Resp: 1576
Ion Ratio Lower Upper
43 100
74 28.7 19.4 29.2





#20

Methylene Chloride

Concen: 1.393 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX031111.D

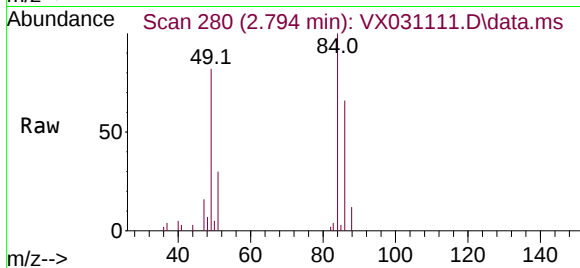
Acq: 04 Sep 2022 03:11

Instrument :

MSVOA_X

ClientSampleId :

PB147400TB



Tgt Ion: 84 Resp: 9393

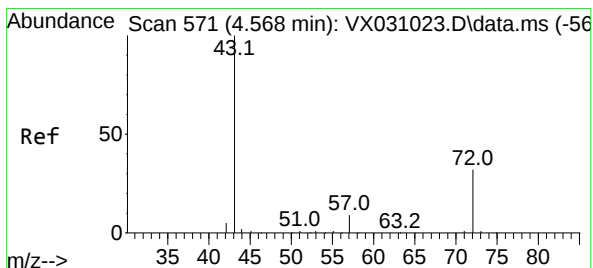
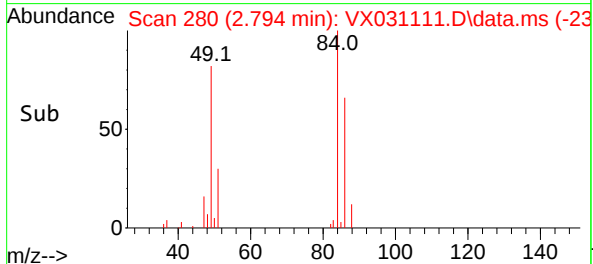
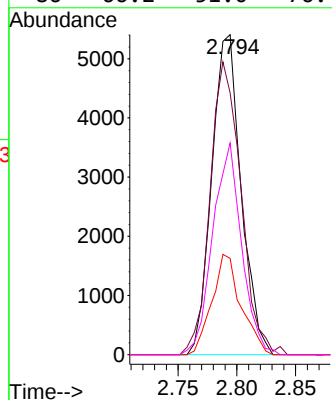
Ion Ratio Lower Upper

84 100

49 81.8 93.8 140.6#

51 30.1 29.4 44.0

86 66.2 51.0 76.4



#25

2-Butanone

Concen: 2.780 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.012 min

Lab File: VX031111.D

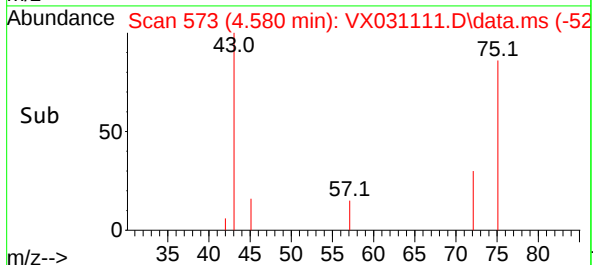
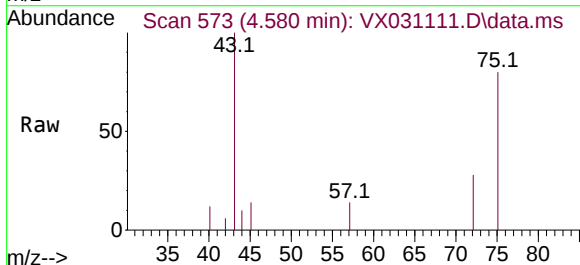
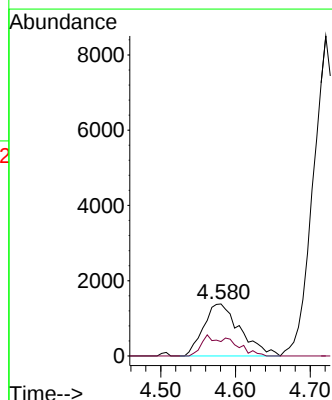
Acq: 04 Sep 2022 03:11

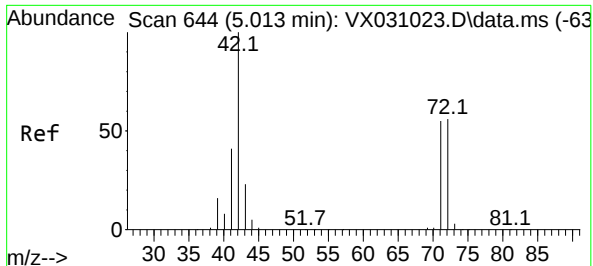
Tgt Ion: 43 Resp: 4702

Ion Ratio Lower Upper

43 100

72 27.5 21.7 32.5





#29

Tetrahydrofuran

Concen: 1.089 ug/l

RT: 5.019 min Scan# 644

Delta R.T. 0.006 min

Lab File: VX031111.D

Acq: 04 Sep 2022 03:11

Instrument :

MSVOA_X

ClientSampleId :

PB147400TB

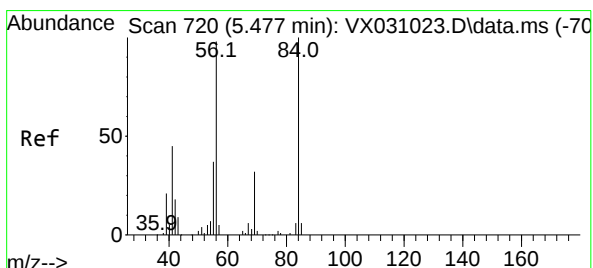
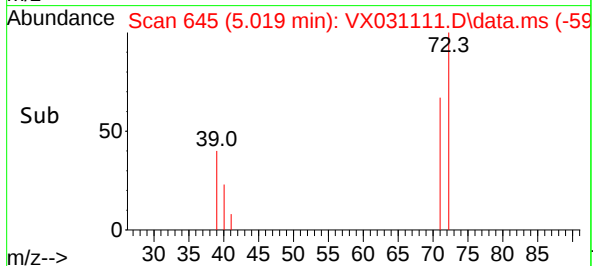
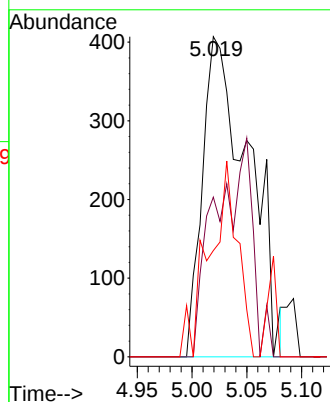
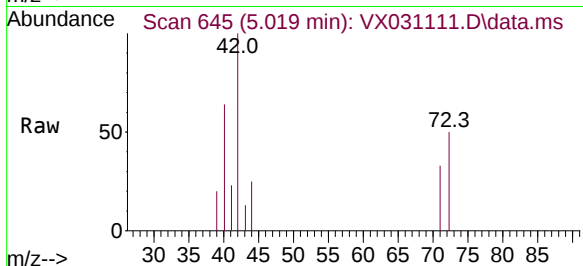
Tgt Ion: 42 Resp: 1188

Ion Ratio Lower Upper

42 100

72 20.3 36.5 54.7#

71 37.6 33.9 50.9



#31

Cyclohexane

Concen: 0.877 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX031111.D

Acq: 04 Sep 2022 03:11

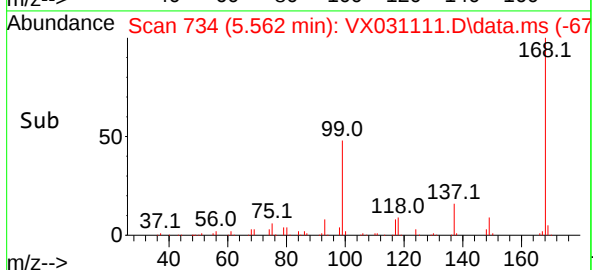
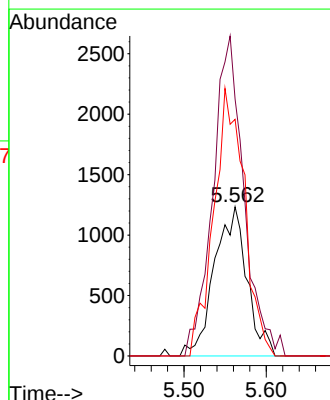
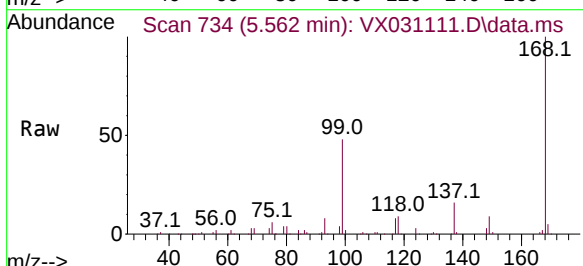
Tgt Ion: 56 Resp: 3401

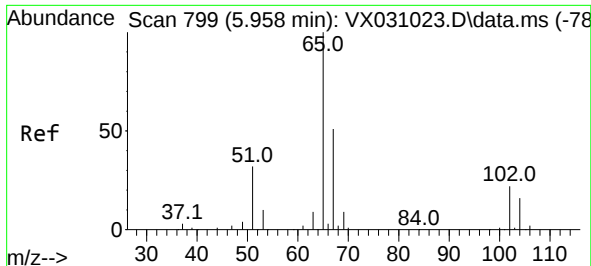
Ion Ratio Lower Upper

56 100

69 172.2 25.4 38.0#

84 169.4 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 47.855 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031111.D

Acq: 04 Sep 2022 03:11

Instrument :

MSVOA_X

ClientSampleId :

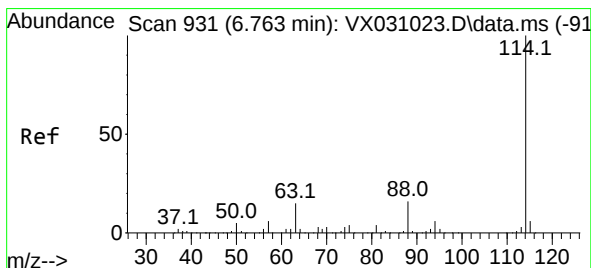
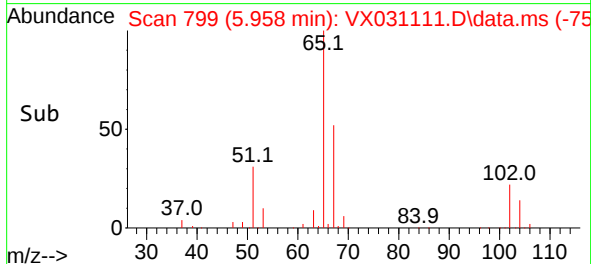
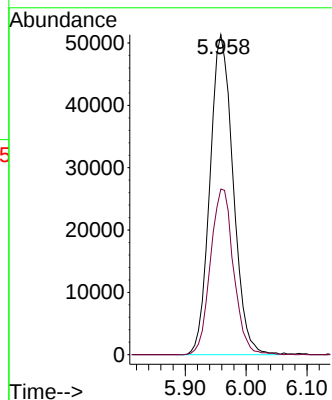
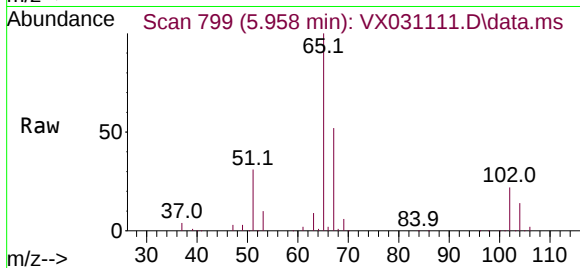
PB147400TB

Tgt Ion: 65 Resp: 135827

Ion Ratio Lower Upper

65 100

67 51.7 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX031111.D

Acq: 04 Sep 2022 03:11

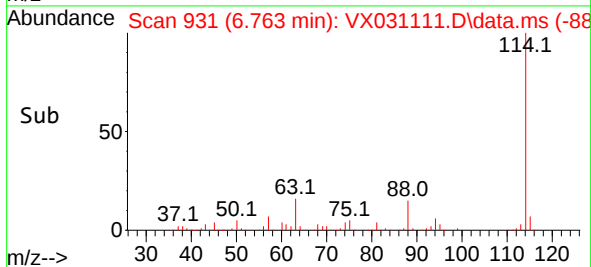
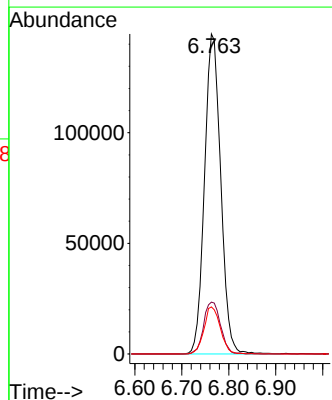
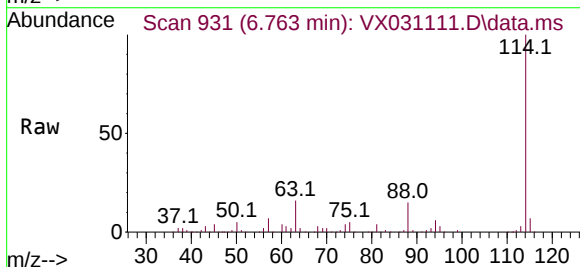
Tgt Ion: 114 Resp: 345941

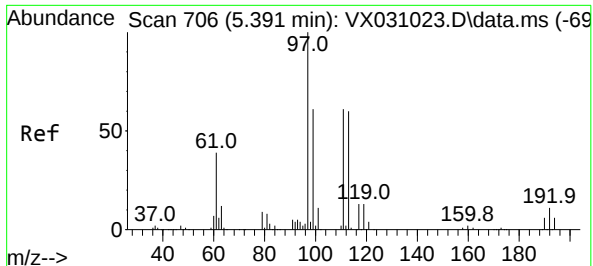
Ion Ratio Lower Upper

114 100

63 16.2 0.0 38.4

88 14.7 0.0 31.8





#35

Dibromofluoromethane

Concen: 51.621 ug/l

RT: 5.385 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX031111.D

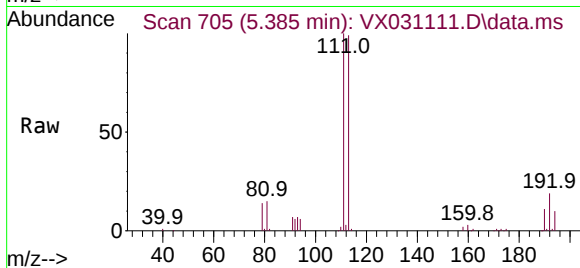
Acq: 04 Sep 2022 03:11

Instrument :

MSVOA_X

ClientSampleId :

PB147400TB



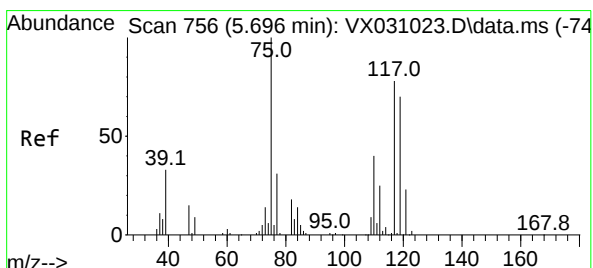
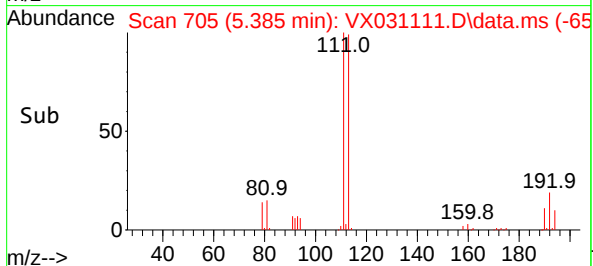
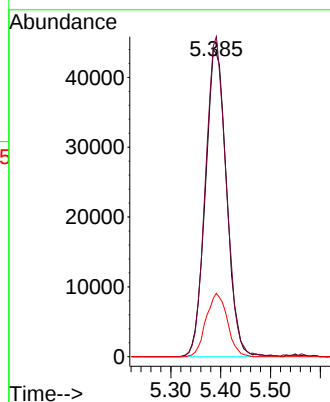
Tgt Ion:113 Resp: 130321

Ion Ratio Lower Upper

113 100

111 101.4 83.2 124.8

192 20.6 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.175 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX031111.D

Acq: 04 Sep 2022 03:11

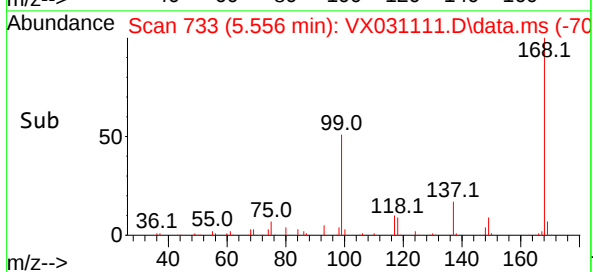
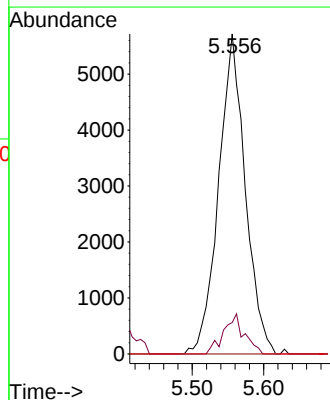
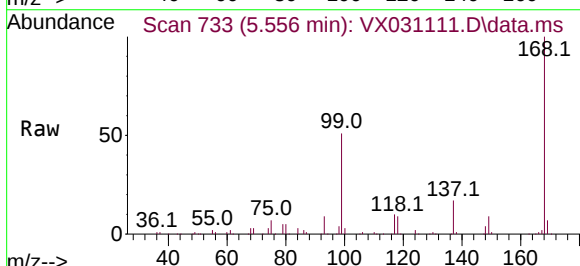
Tgt Ion: 75 Resp: 14764

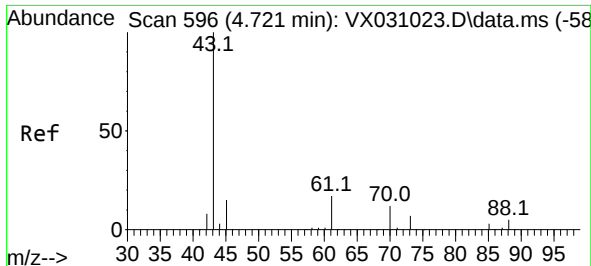
Ion Ratio Lower Upper

75 100

110 9.7 19.3 57.9#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 7.695 ug/l

RT: 4.721 min Scan# 596

Delta R.T. -0.000 min

Lab File: VX031111.D

Acq: 04 Sep 2022 03:11

Instrument :

MSVOA_X

ClientSampleId :

PB147400TB

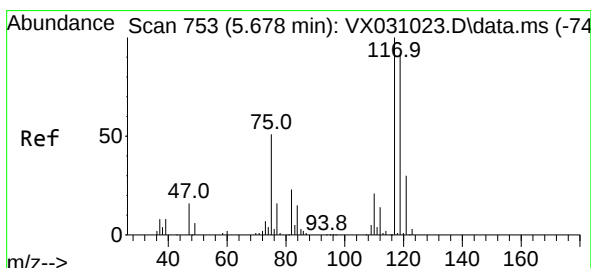
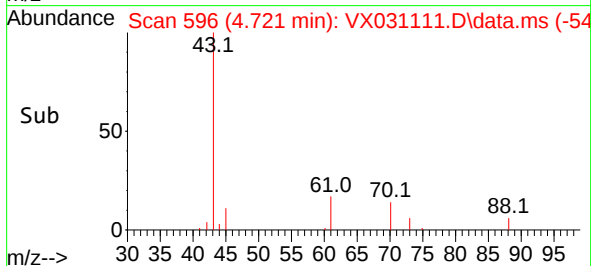
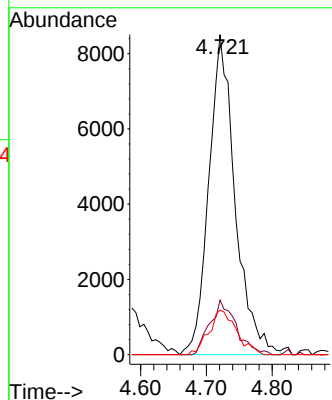
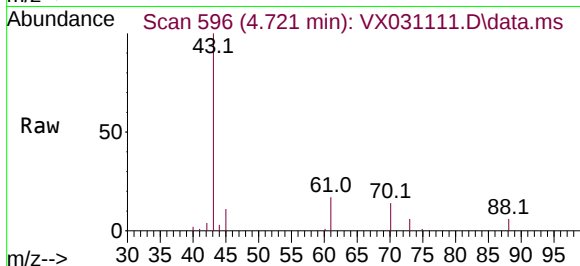
Tgt Ion: 43 Resp: 23641

Ion Ratio Lower Upper

43 100

61 17.1 11.7 17.5

70 14.6 9.3 13.9#



#38

Carbon Tetrachloride

Concen: 5.735 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.134 min

Lab File: VX031111.D

Acq: 04 Sep 2022 03:11

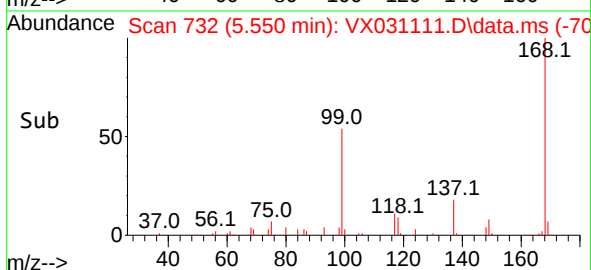
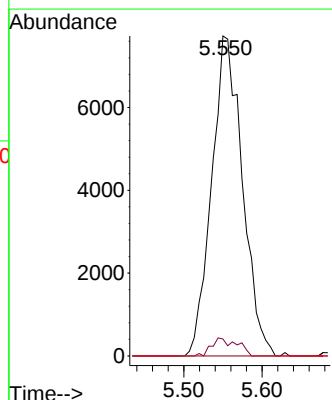
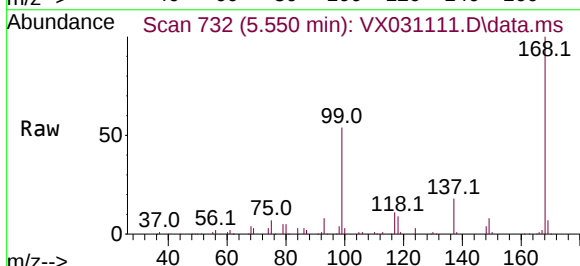
Tgt Ion: 117 Resp: 21052

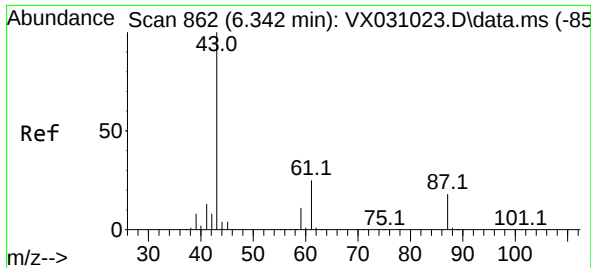
Ion Ratio Lower Upper

117 100

119 5.3 74.1 111.1#

121 0.0 25.8 38.8#

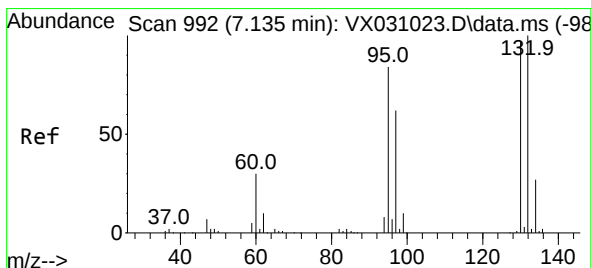
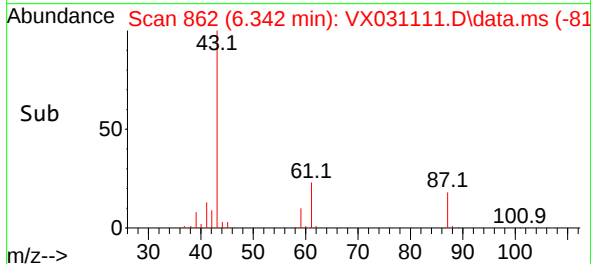
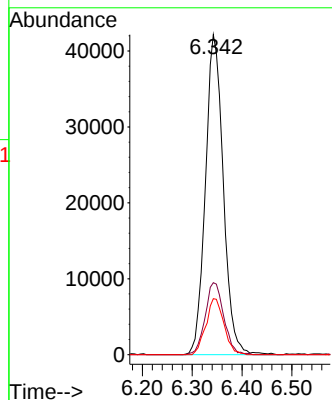
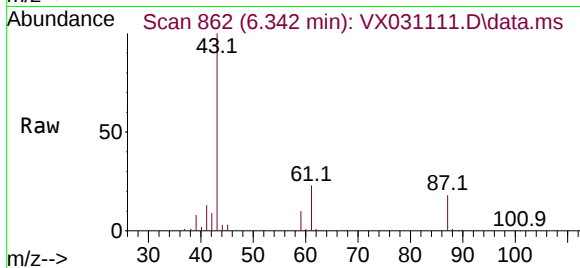




#43
Isopropyl Acetate
Concen: 21.867 ug/l
RT: 6.342 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX031111.D
Acq: 04 Sep 2022 03:11

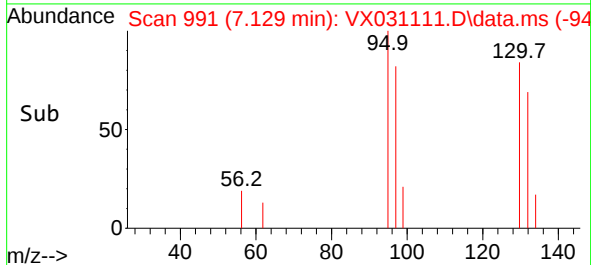
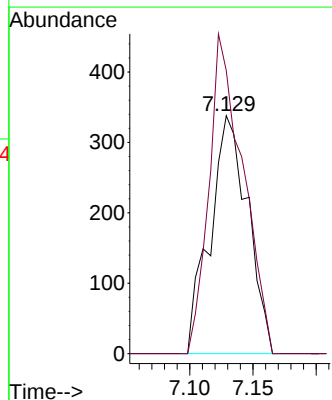
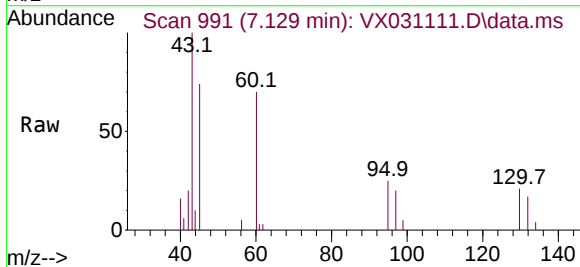
Instrument :
MSVOA_X
ClientSampleId :
PB147400TB

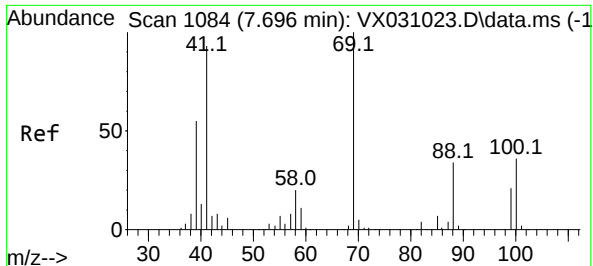
Tgt Ion: 43 Resp: 105004
Ion Ratio Lower Upper
43 100
61 23.4 16.5 24.7
87 17.7 11.1 16.7#



#44
Trichloroethene
Concen: 0.218 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX031111.D
Acq: 04 Sep 2022 03:11

Tgt Ion: 130 Resp: 702
Ion Ratio Lower Upper
130 100
95 118.9 0.0 194.8

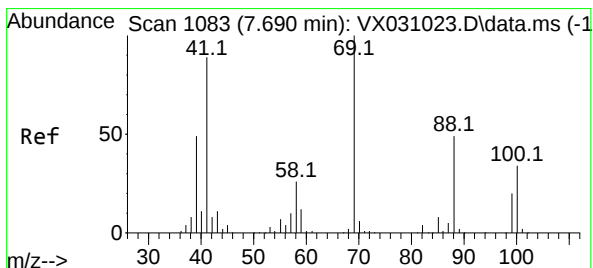
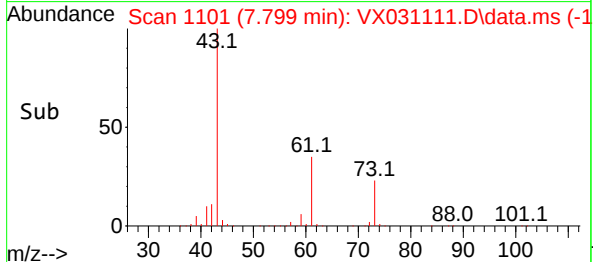
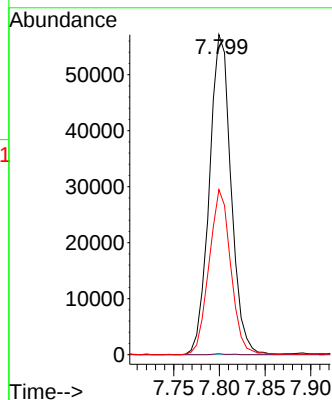
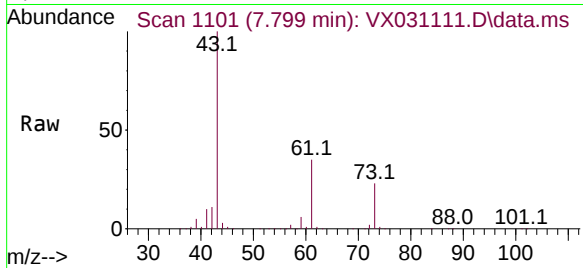




#48
Methyl methacrylate
Concen: 38.938 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX031111.D
Acq: 04 Sep 2022 03:11

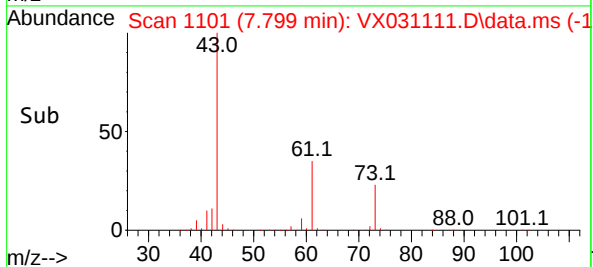
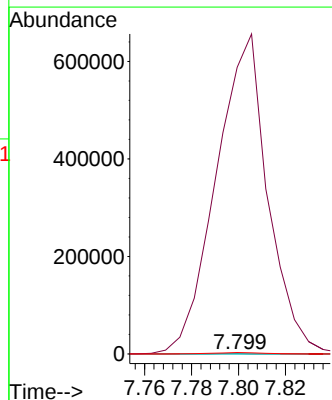
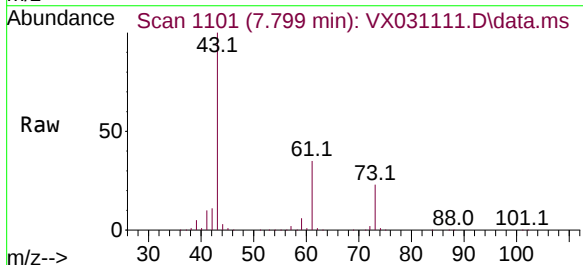
Instrument :
MSVOA_X
ClientSampleId :
PB147400TB

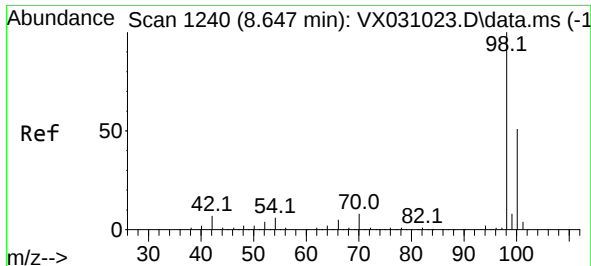
Tgt Ion: 41 Resp: 94394
Ion Ratio Lower Upper
41 100
69 0.2 68.8 103.2#
39 51.6 44.6 66.8



#49
1,4-Dioxane
Concen: 2.699 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.122 min
Lab File: VX031111.D
Acq: 04 Sep 2022 03:11

Tgt Ion: 88 Resp: 199
Ion Ratio Lower Upper
88 100
43 507016.1 23.8 35.8#
58 2304.0 53.8 80.6#

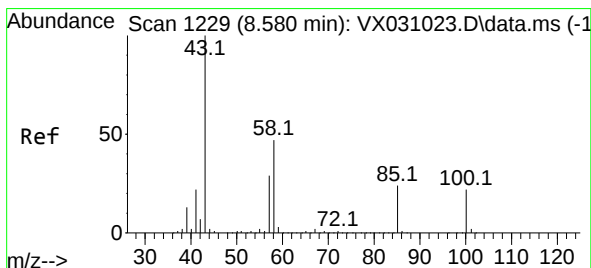
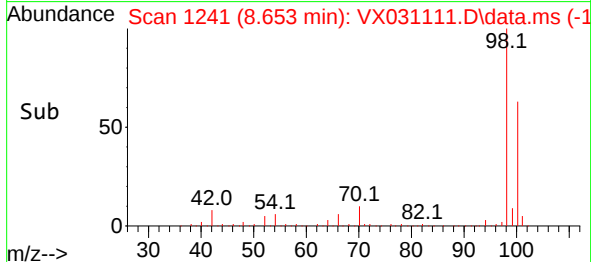
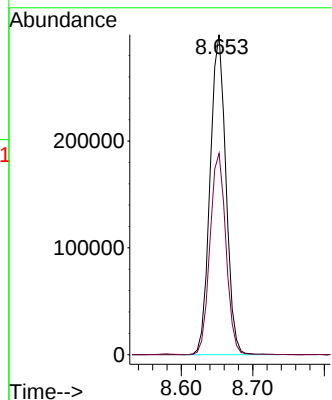
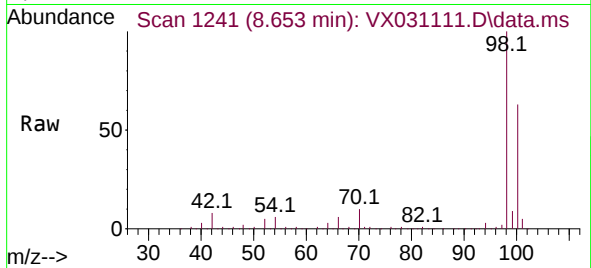




#50
Toluene-d8
Concen: 49.431 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031111.D
Acq: 04 Sep 2022 03:11

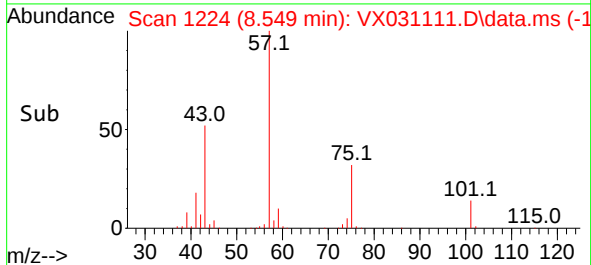
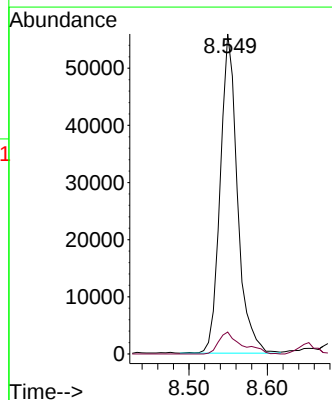
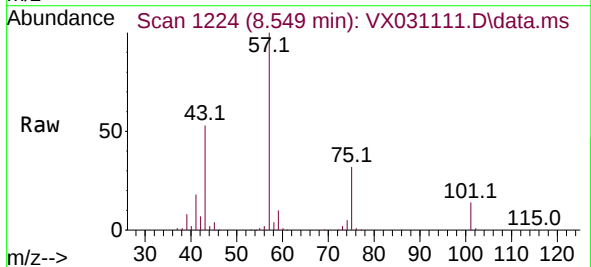
Instrument :
MSVOA_X
ClientSampleId :
PB147400TB

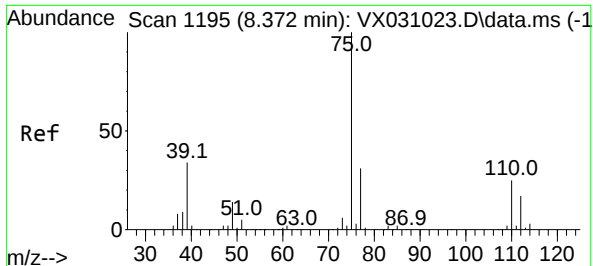
Tgt Ion: 98 Resp: 459274
Ion Ratio Lower Upper
98 100
100 63.5 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 27.757 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX031111.D
Acq: 04 Sep 2022 03:11

Tgt Ion: 43 Resp: 85682
Ion Ratio Lower Upper
43 100
58 9.0 31.4 47.2#

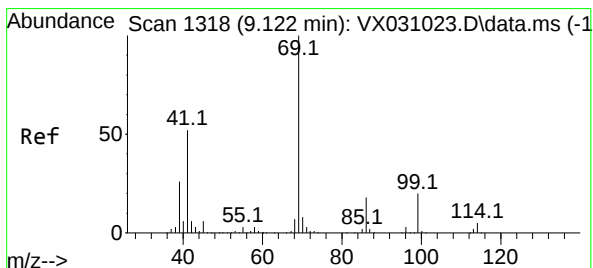
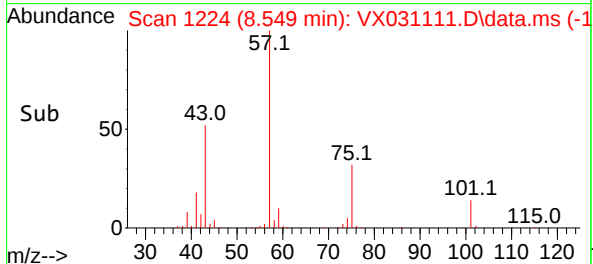
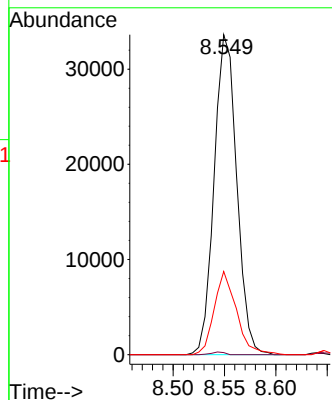
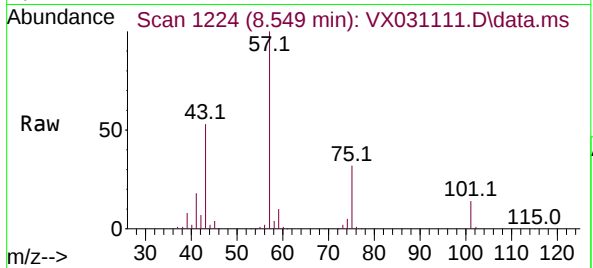




#54
cis-1,3-Dichloropropene
Concen: 12.724 ug/l
RT: 8.549 min Scan# 1195
Delta R.T. 0.177 min
Lab File: VX031111.D
Acq: 04 Sep 2022 03:11

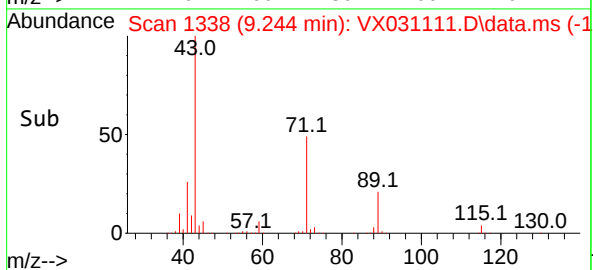
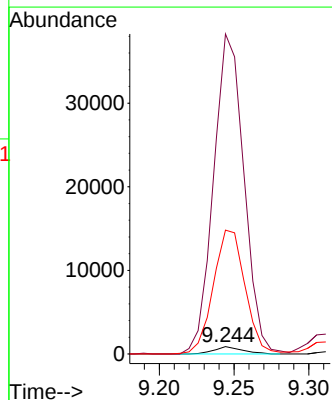
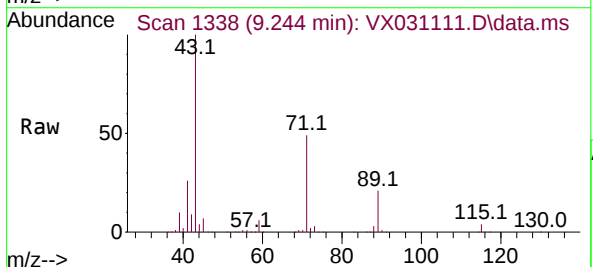
Instrument :
MSVOA_X
ClientSampleId :
PB147400TB

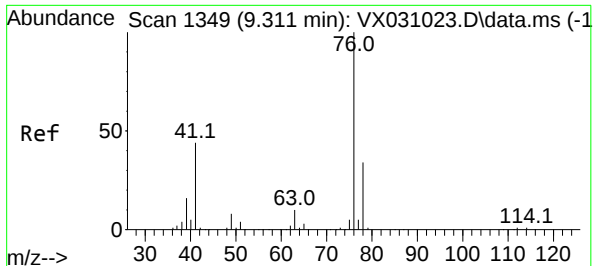
Tgt Ion: 75 Resp: 51263
Ion Ratio Lower Upper
75 100
77 0.7 25.0 37.4#
39 26.0 37.5 56.3#



#56
Ethyl methacrylate
Concen: 0.298 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.122 min
Lab File: VX031111.D
Acq: 04 Sep 2022 03:11

Tgt Ion: 69 Resp: 1140
Ion Ratio Lower Upper
69 100
41 4754.9 52.3 78.5#
39 1921.0 28.2 42.4#





#57

1,3-Dichloropropane

Concen: 1.419 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX031111.D

Acq: 04 Sep 2022 03:11

Instrument :

MSVOA_X

ClientSampleId :

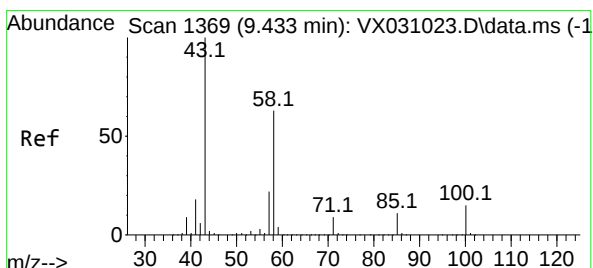
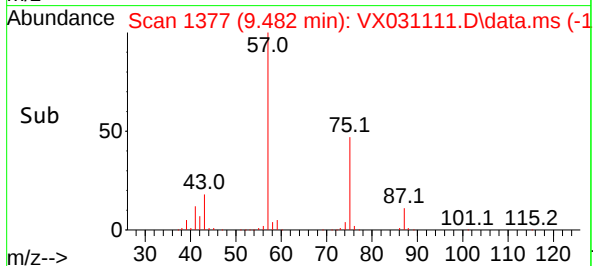
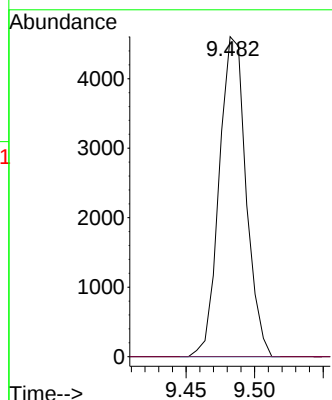
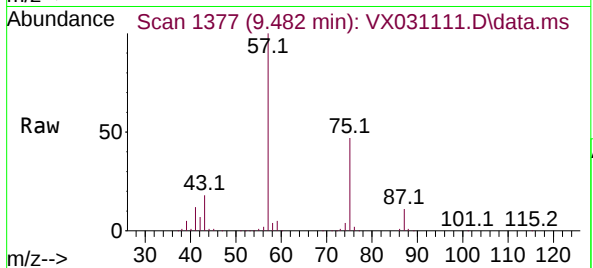
PB147400TB

Tgt Ion: 76 Resp: 6278

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 41.870 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.055 min

Lab File: VX031111.D

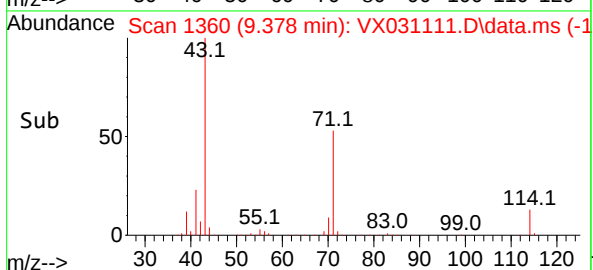
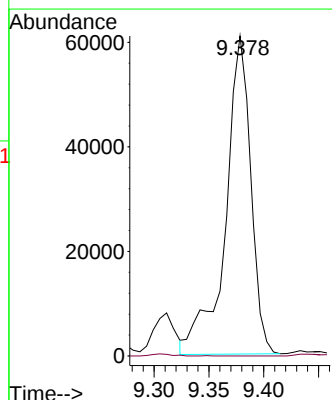
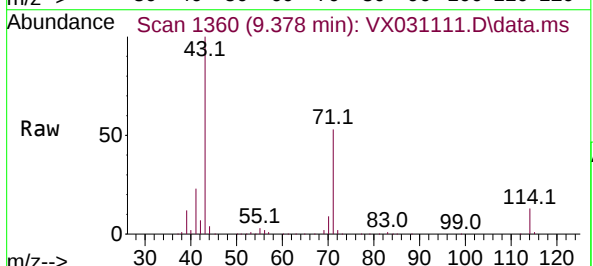
Acq: 04 Sep 2022 03:11

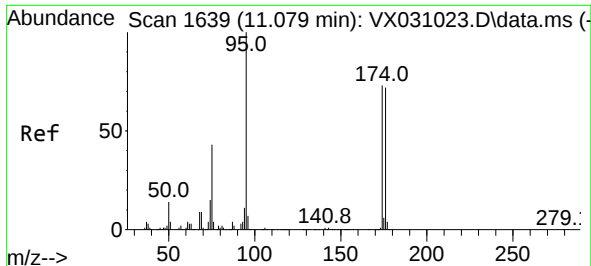
Tgt Ion: 43 Resp: 97739

Ion Ratio Lower Upper

43 100

58 0.0 27.6 82.8#





#62

4-Bromofluorobenzene

Concen: 47.662 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX031111.D

Acq: 04 Sep 2022 03:11

Instrument :

MSVOA_X

ClientSampleId :

PB147400TB

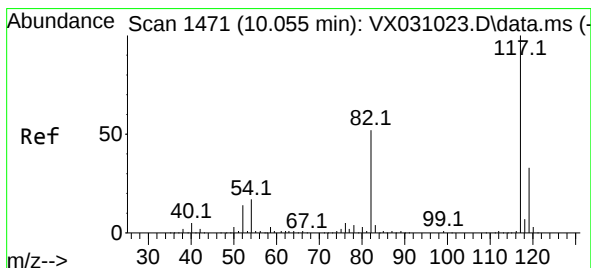
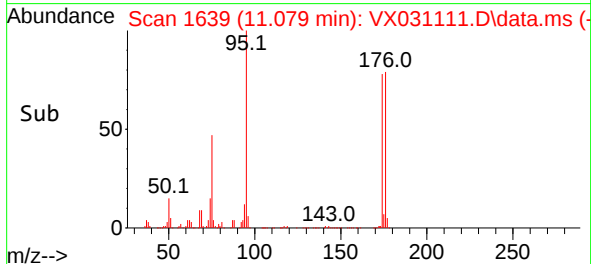
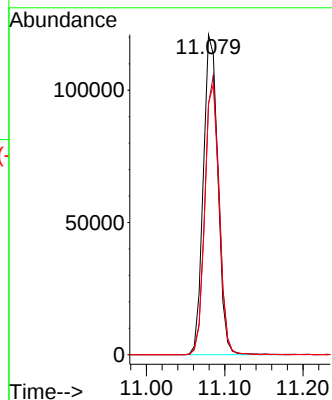
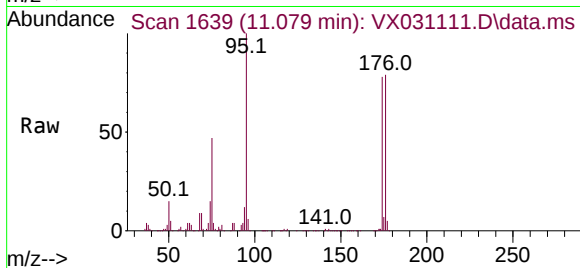
Tgt Ion: 95 Resp: 156411

Ion Ratio Lower Upper

95 100

174 85.7 0.0 149.0

176 83.5 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: VX031111.D

Acq: 04 Sep 2022 03:11

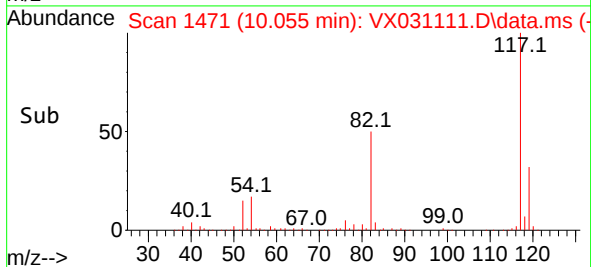
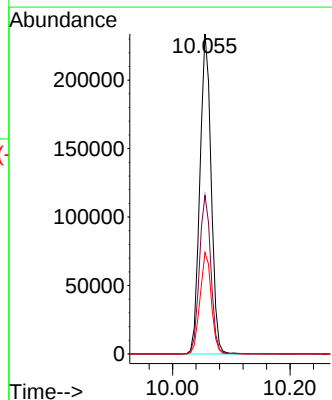
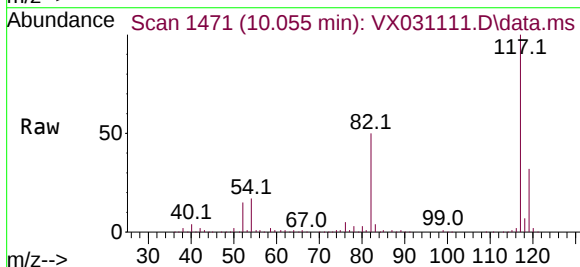
Tgt Ion: 117 Resp: 311219

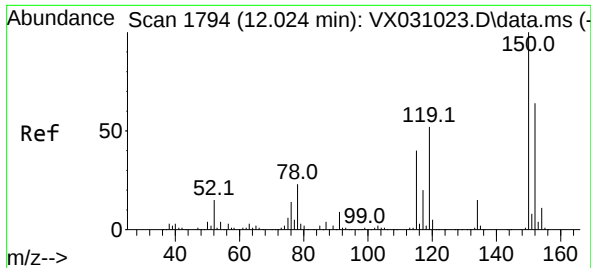
Ion Ratio Lower Upper

117 100

82 49.5 42.7 64.1

119 31.7 25.4 38.2

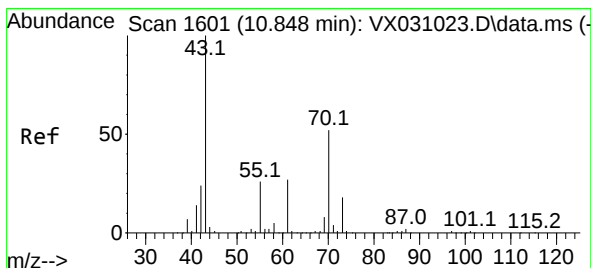
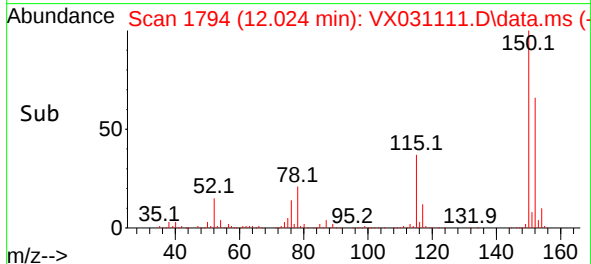
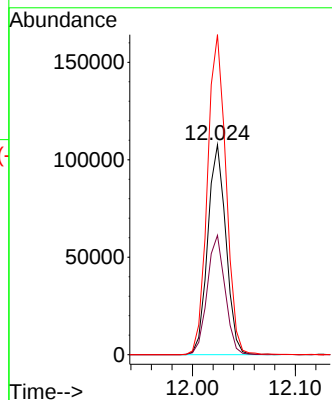
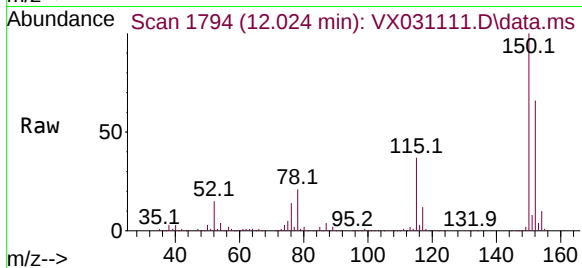




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031111.D
Acq: 04 Sep 2022 03:11

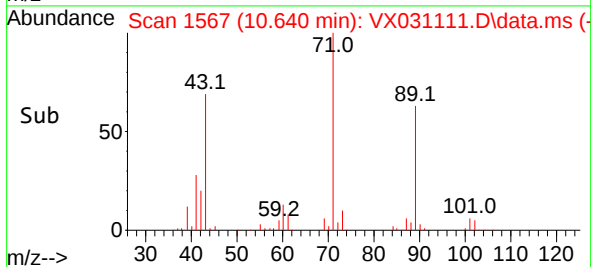
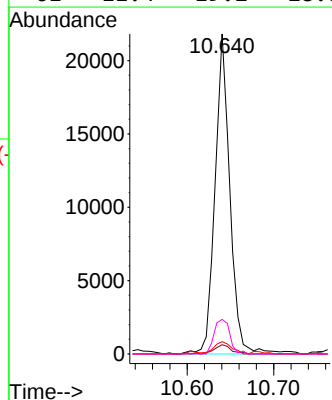
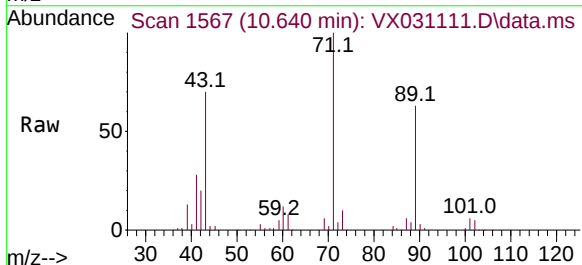
Instrument :
MSVOA_X
ClientSampleId :
PB147400TB

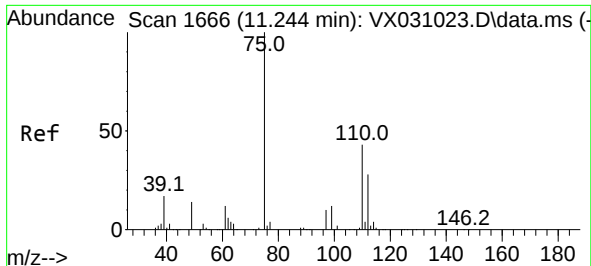
Tgt Ion:152 Resp: 132222
Ion Ratio Lower Upper
152 100
115 56.2 40.5 121.5
150 155.9 0.0 347.0



#74
N-ethyl acetate
Concen: 8.090 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.208 min
Lab File: VX031111.D
Acq: 04 Sep 2022 03:11

Tgt Ion: 43 Resp: 26027
Ion Ratio Lower Upper
43 100
70 3.2 32.3 48.5#
55 4.5 18.4 27.6#
61 11.4 19.2 28.8#

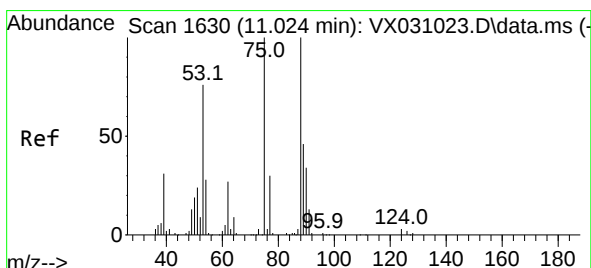
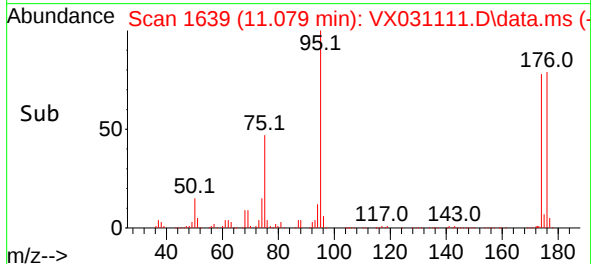
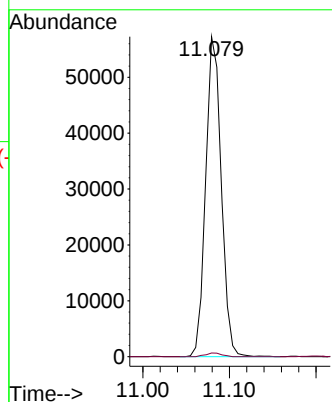
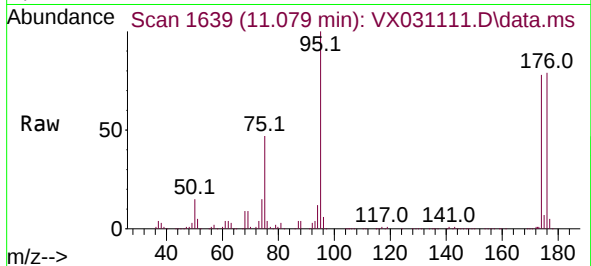




#76
1,2,3-Trichloropropane
Concen: 22.921 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX031111.D
Acq: 04 Sep 2022 03:11

Instrument :
MSVOA_X
ClientSampleId :
PB147400TB

Tgt Ion: 75 Resp: 71642
Ion Ratio Lower Upper
75 100
77 1.2 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.034 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.055 min
Lab File: VX031111.D
Acq: 04 Sep 2022 03:11

Tgt Ion: 75 Resp: 71642
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

