

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090622\
 Data File : VX031146.D
 Acq On : 06 Sep 2022 22:17
 Operator : JC/MD
 Sample : PB147457TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

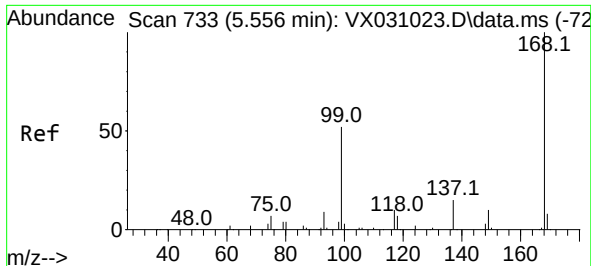
Instrument :
 MSVOA_X
 ClientSampleId :
 PB147457TB

Quant Time: Sep 07 01:15:44 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	5.556	168	213876	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	335443	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	302878	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	138585	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	135599	49.274	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.540%		
35) Dibromofluoromethane	5.391	113	126690	51.754	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.500%		
50) Toluene-d8	8.653	98	447820	49.706	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.420%		
62) 4-Bromofluorobenzene	11.085	95	162665	51.119	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.240%		
Target Compounds						Qvalue
3) Chloromethane	1.295	50	101	0.748	ug/l #	84
6) Chloroethane	1.697	64	259	1.888	ug/l #	41
10) Methyl Iodide	2.459	142	30	2.920	ug/l #	45
11) Tert butyl alcohol	2.947	59	3915	Below Cal	#	80
16) Acetone	2.386	43	18735	17.635	ug/l	95
18) Methyl Acetate	2.709	43	1877	0.615	ug/l	95
20) Methylene Chloride	2.794	84	11636	2.416	ug/l #	73
25) 2-Butanone	4.568	43	4541	2.769	ug/l	93
29) Tetrahydrofuran	5.026	42	1001	0.947	ug/l #	92
31) Cyclohexane	5.556	56	3274	0.871	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	13727	4.003	ug/l #	48
37) Ethyl Acetate	4.727	43	21449	7.200	ug/l #	91
38) Carbon Tetrachloride	5.562	117	21119	5.934	ug/l #	17
43) Isopropyl Acetate	6.342	43	97663	20.975	ug/l #	91
48) Methyl methacrylate	7.793	41	88146	37.499	ug/l #	43
49) 1,4-Dioxane	7.629	88	60	0.839	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	77837	26.005	ug/l #	51
53) t-1,3-Dichloropropene	8.952	75	911	0.261	ug/l #	42
54) cis-1,3-Dichloropropene	8.549	75	46727	11.961	ug/l #	55
57) 1,3-Dichloropropane	9.488	76	6554	1.527	ug/l #	42
59) 2-Hexanone	9.378	43	87863	38.817	ug/l #	24
74) N-amyl acetate	10.829	43	1019	0.302	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	75173	22.946	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	75173	72.114	ug/l #	13

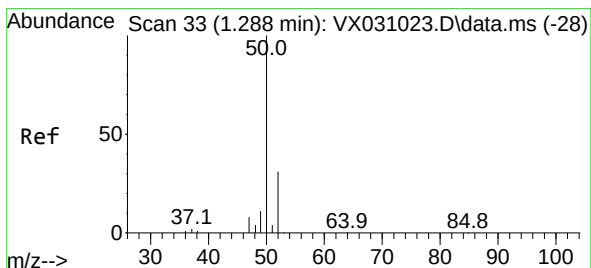
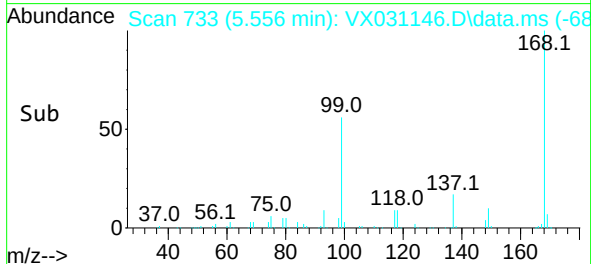
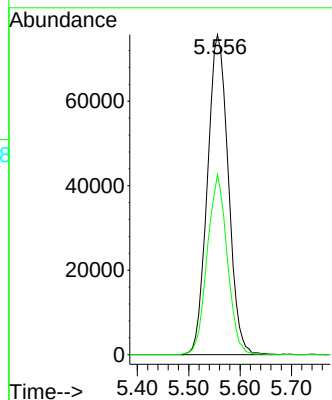
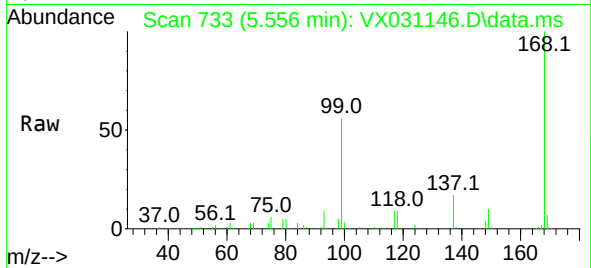
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031146.D
Acq: 06 Sep 2022 22:17

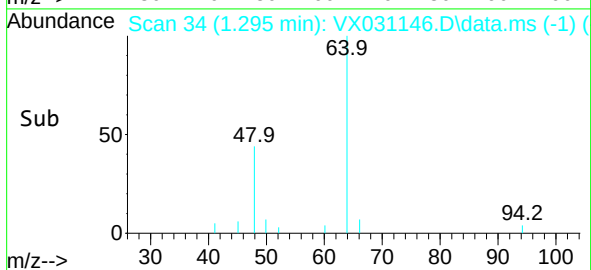
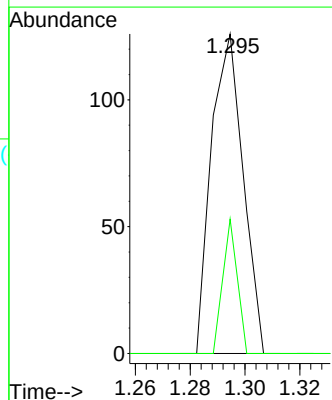
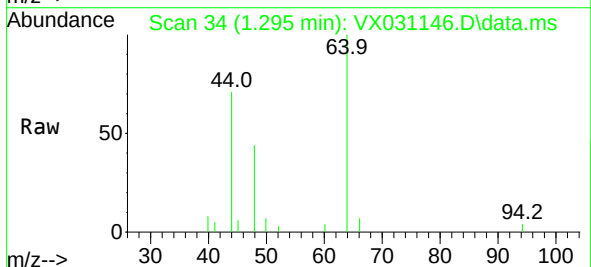
Instrument :
MSVOA_X
ClientSampleId :
PB147457TB

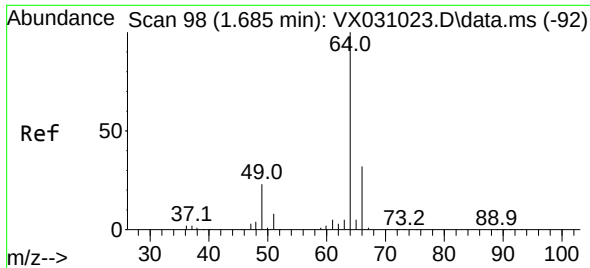
Tgt Ion:168 Resp: 213876
Ion Ratio Lower Upper
168 100
99 56.4 44.0 66.0



#3
Chloromethane
Concen: 0.748 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.007 min
Lab File: VX031146.D
Acq: 06 Sep 2022 22:17

Tgt Ion: 50 Resp: 101
Ion Ratio Lower Upper
50 100
52 42.1 26.3 39.5#

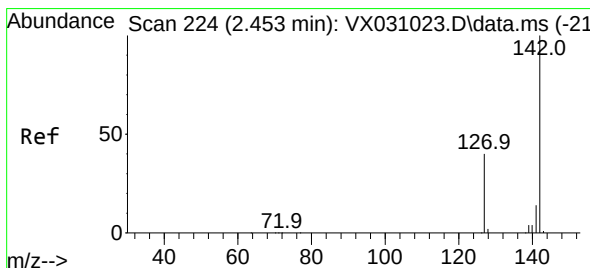
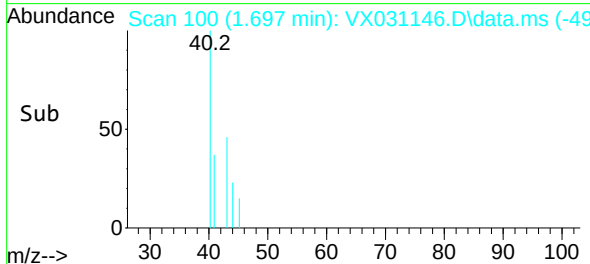
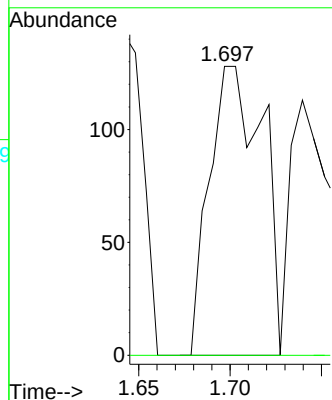
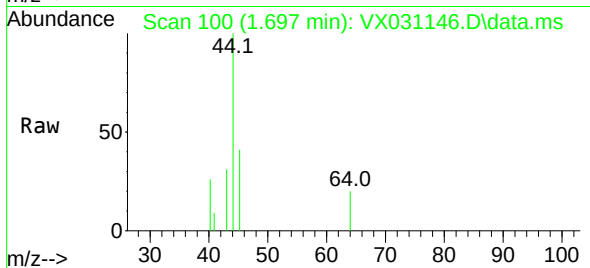




#6
Chloroethane
Concen: 1.888 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX031146.D
Acq: 06 Sep 2022 22:17

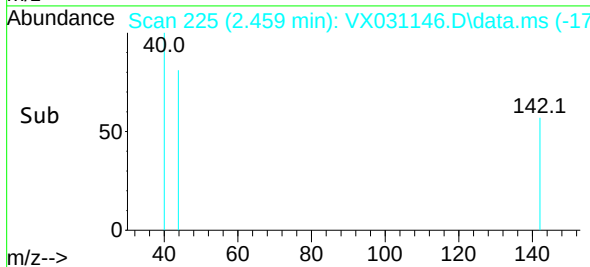
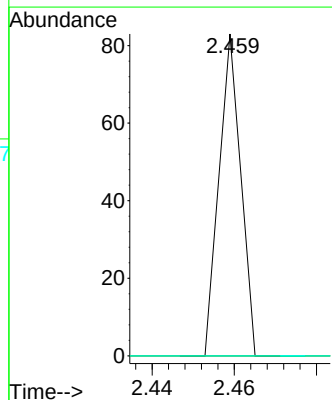
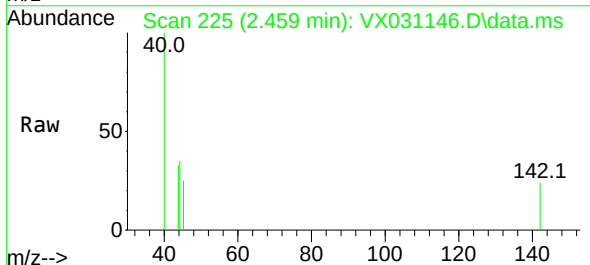
Instrument :
MSVOA_X
ClientSampleId :
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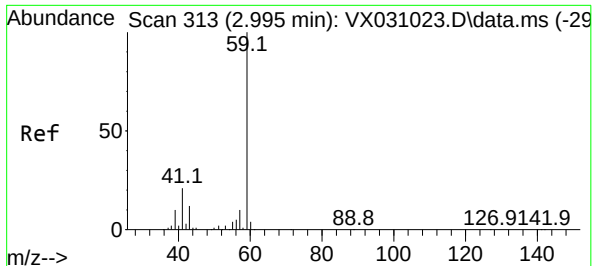
Tgt Ion: 64 Resp: 259
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#10
Methyl Iodide
Concen: 2.920 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX031146.D
Acq: 06 Sep 2022 22:17

Tgt Ion: 142 Resp: 30
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#

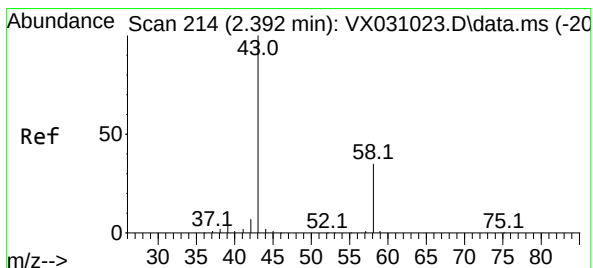
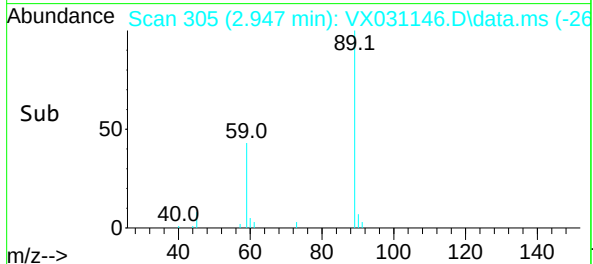
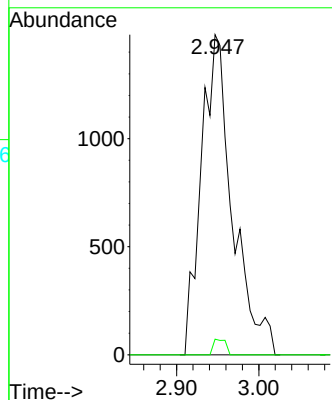
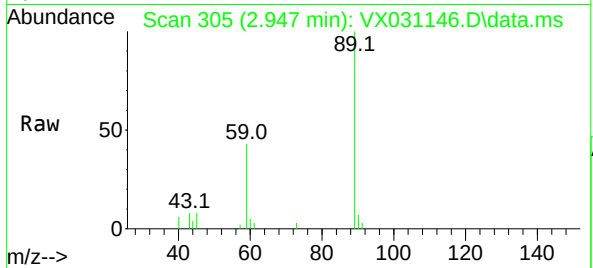




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.042 min
Lab File: VX031146.D
Acq: 06 Sep 2022 22:17

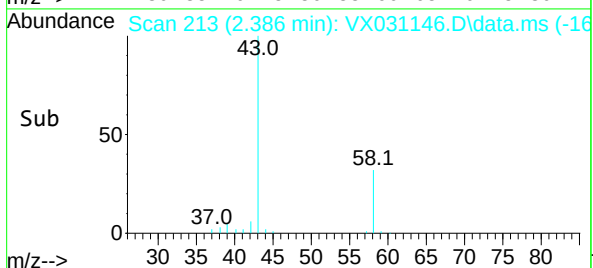
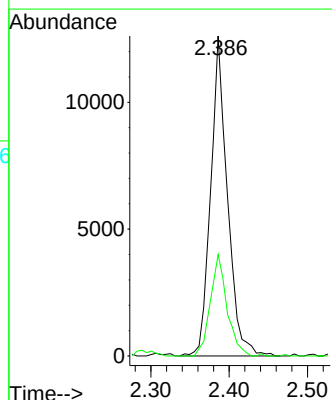
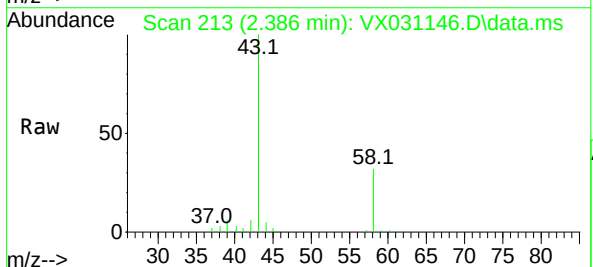
Instrument :
MSVOA_X
ClientSampleId :
PB147457TB

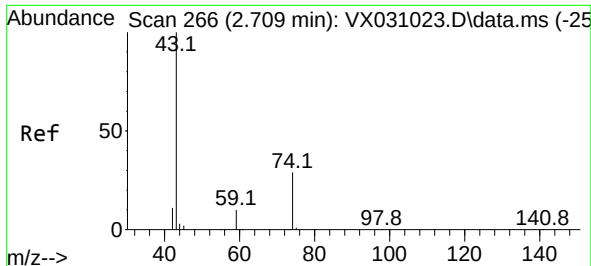
Tgt Ion: 59 Resp: 3915
Ion Ratio Lower Upper
59 100
57 1.9 7.4 11.2#



#16
Acetone
Concen: 17.635 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX031146.D
Acq: 06 Sep 2022 22:17

Tgt Ion: 43 Resp: 18735
Ion Ratio Lower Upper
43 100
58 31.7 27.7 41.5





#18

Methyl Acetate

Concen: 0.615 ug/l

RT: 2.709 min Scan# 2

Delta R.T. -0.000 min

Lab File: VX031146.D

Acq: 06 Sep 2022 22:17

Instrument :

MSVOA_X

ClientSampleId :

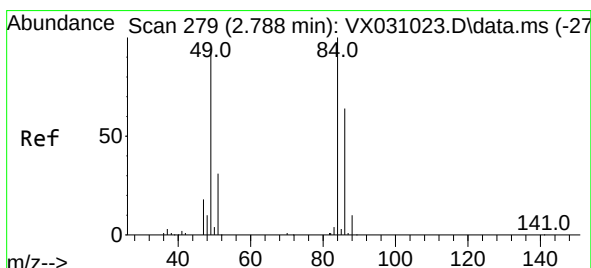
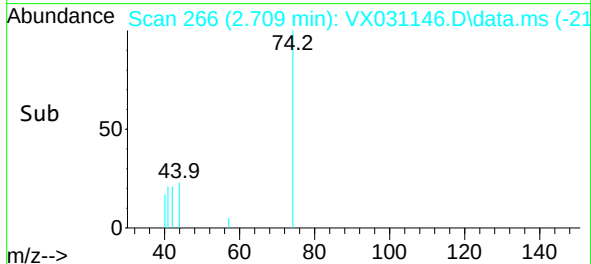
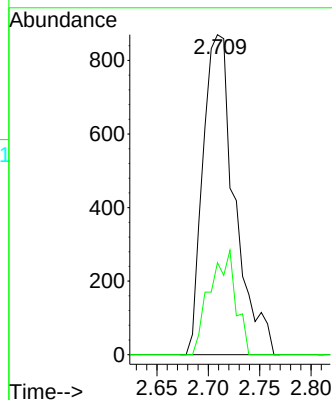
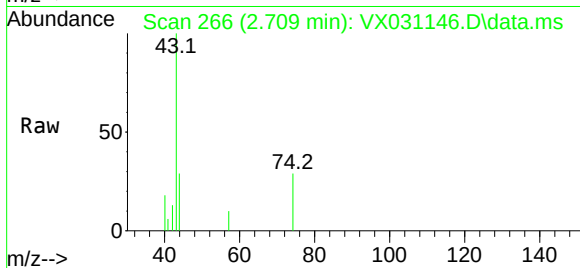
PB147457TB

Tgt Ion: 43 Resp: 1877

Ion Ratio Lower Upper

43 100

74 26.5 19.4 29.2



#20

Methylene Chloride

Concen: 2.416 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX031146.D

Acq: 06 Sep 2022 22:17

Tgt Ion: 84 Resp: 11636

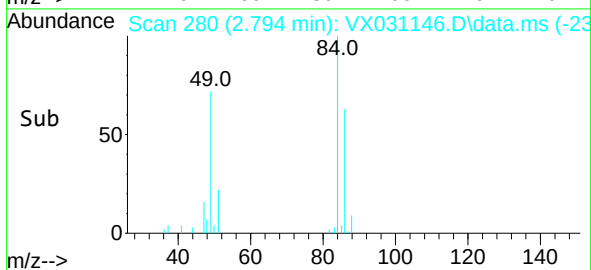
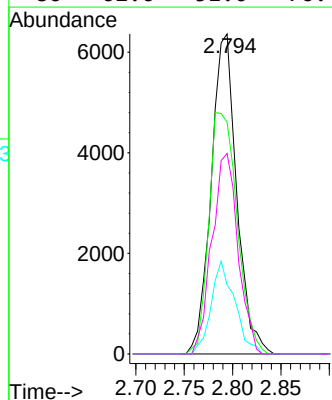
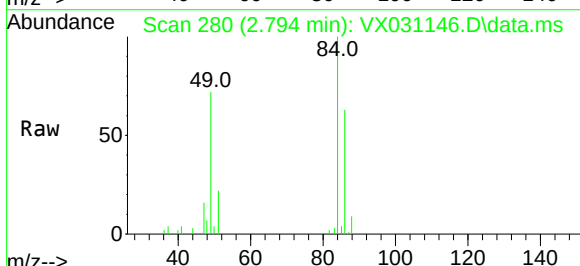
Ion Ratio Lower Upper

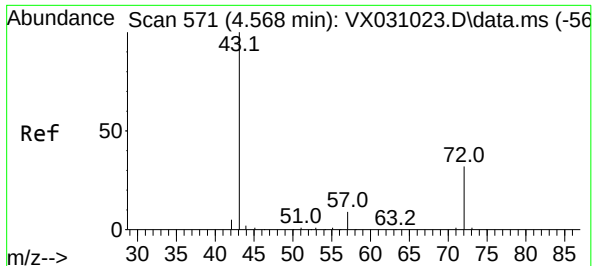
84 100

49 72.4 93.8 140.6#

51 21.6 29.4 44.0#

86 62.6 51.0 76.4

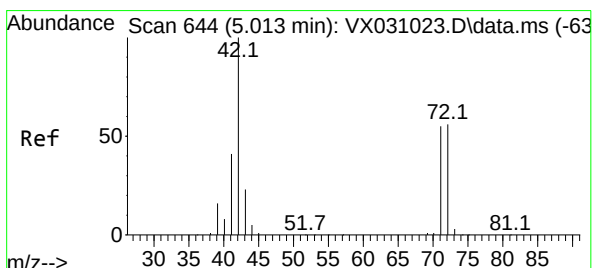
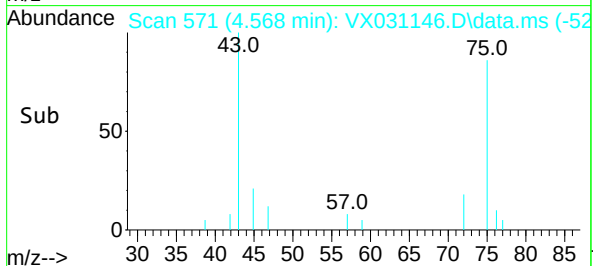
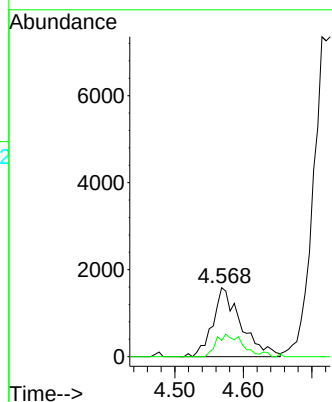
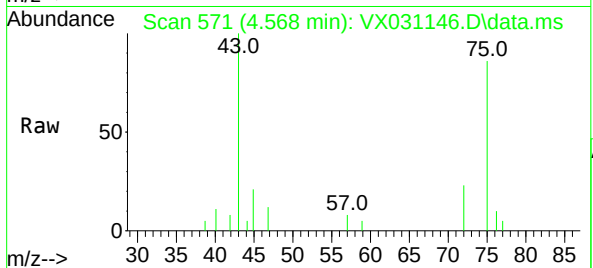




#25
2-Butanone
Concen: 2.769 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX031146.D
Acq: 06 Sep 2022 22:17

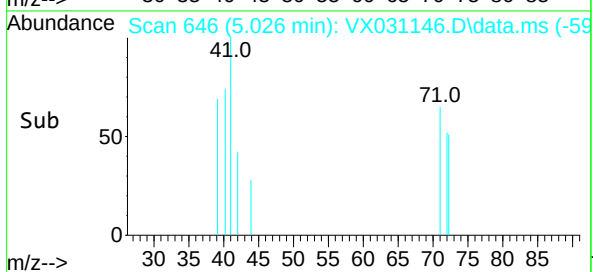
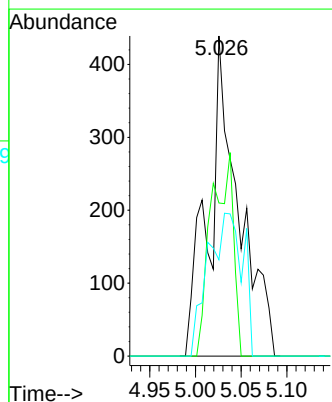
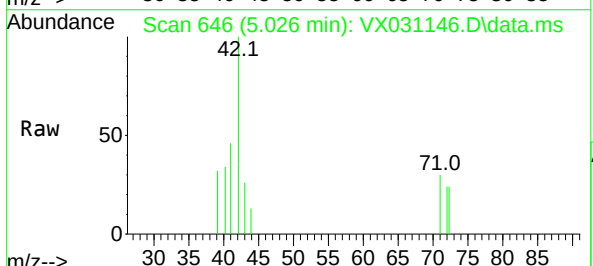
Instrument :
MSVOA_X
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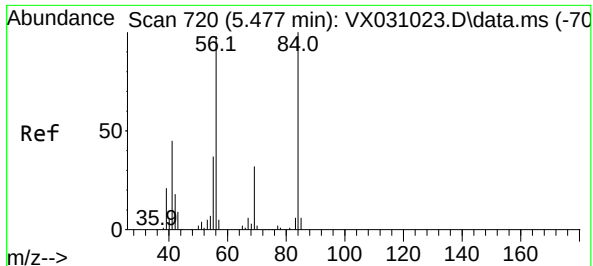
Tgt Ion: 43 Resp: 4541
Ion Ratio Lower Upper
43 100
72 23.3 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.947 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.013 min
Lab File: VX031146.D
Acq: 06 Sep 2022 22:17

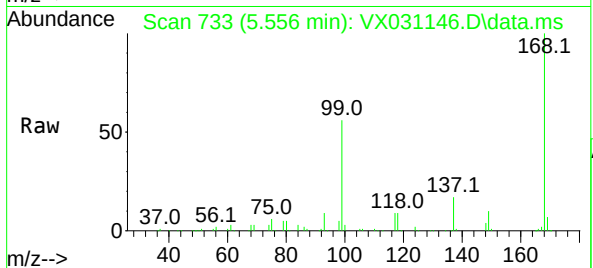
Tgt Ion: 42 Resp: 1001
Ion Ratio Lower Upper
42 100
72 46.9 36.5 54.7
71 51.7 33.9 50.9#



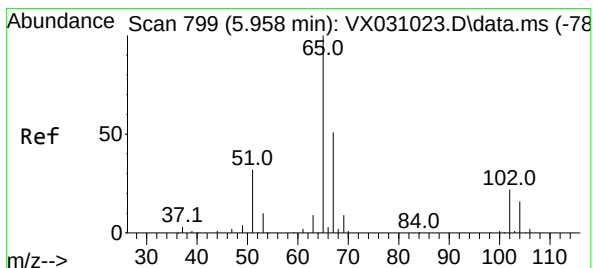
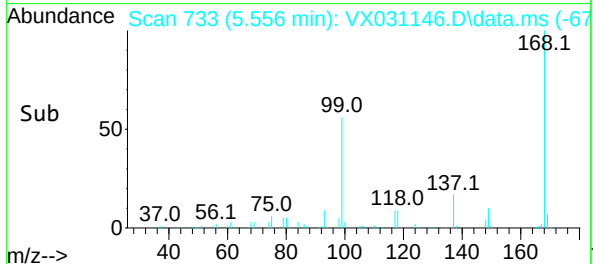
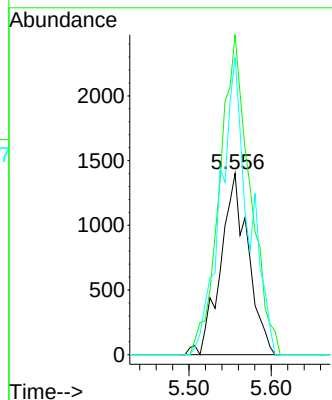


#31
Cyclohexane
Concen: 0.871 ug/l
RT: 5.556 min Scan# 711
Delta R.T. 0.079 min
Lab File: VX031146.D
Acq: 06 Sep 2022 22:17

Instrument :
MSVOA_X
ClientSampleId :
PB147457TB

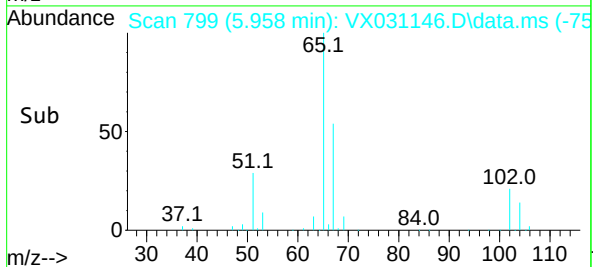
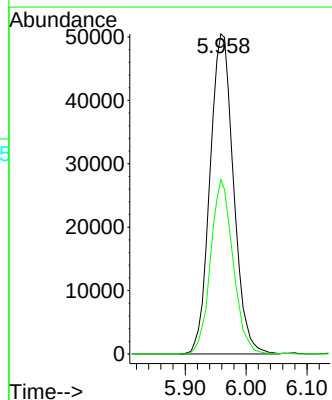
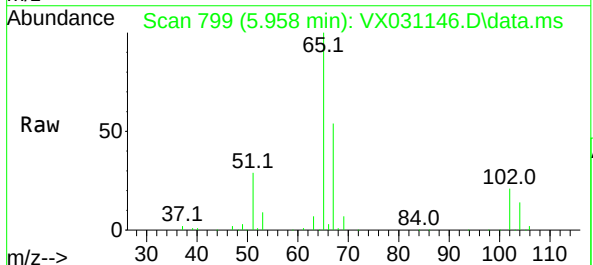


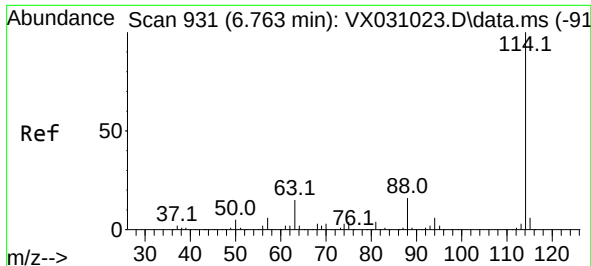
Tgt Ion: 56 Resp: 3274
Ion Ratio Lower Upper
56 100
69 176.5 25.4 38.0#
84 164.1 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 49.274 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031146.D
Acq: 06 Sep 2022 22:17

Tgt Ion: 65 Resp: 135599
Ion Ratio Lower Upper
65 100
67 52.0 0.0 109.6

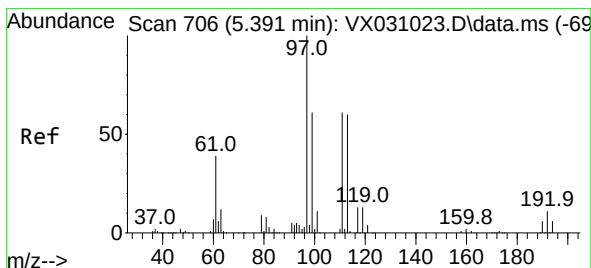
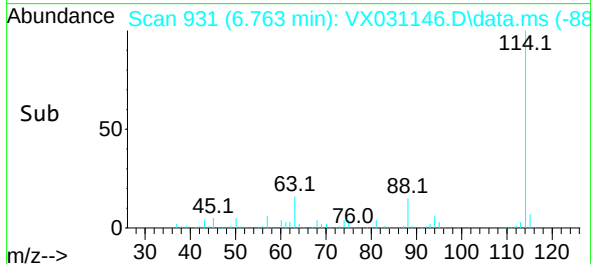
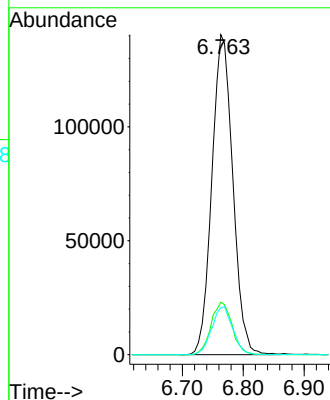
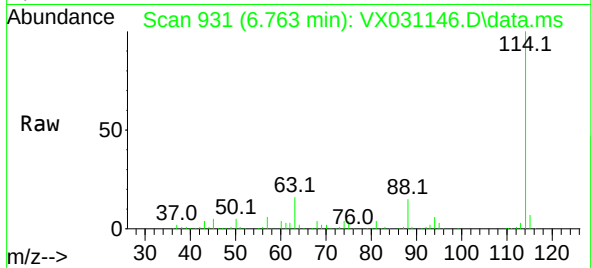




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX031146.D
Acq: 06 Sep 2022 22:17

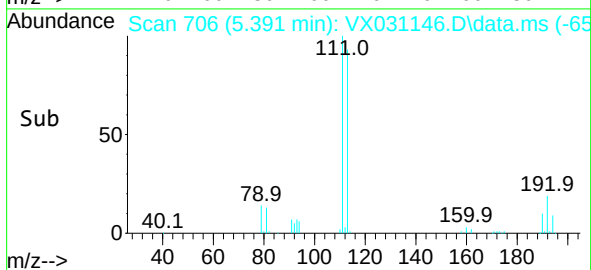
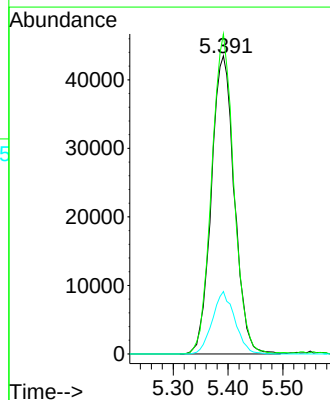
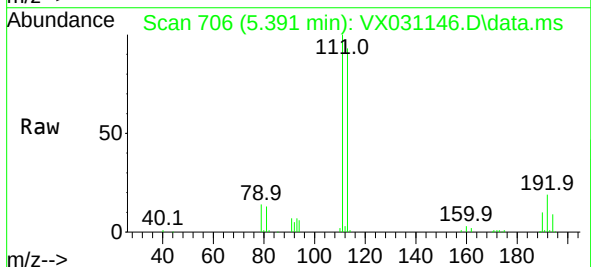
Instrument :
MSVOA_X
ClientSampleId :
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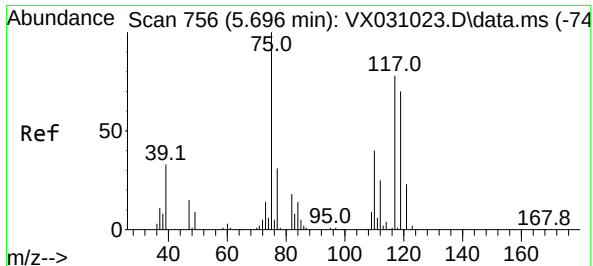
Tgt Ion:114 Resp: 335443
Ion Ratio Lower Upper
114 100
63 16.4 0.0 38.4
88 14.6 0.0 31.8



#35
Dibromofluoromethane
Concen: 51.754 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031146.D
Acq: 06 Sep 2022 22:17

Tgt Ion:113 Resp: 126690
Ion Ratio Lower Upper
113 100
111 103.6 83.2 124.8
192 20.4 14.8 22.2

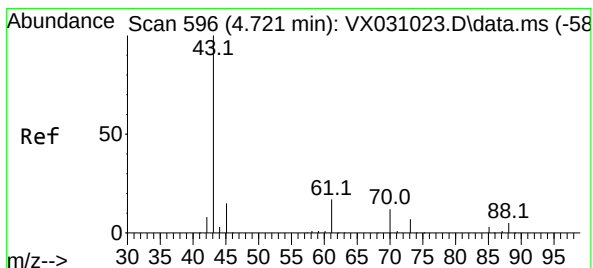
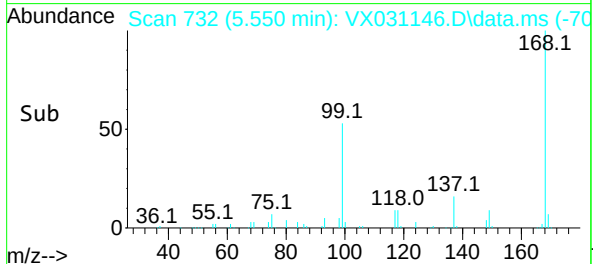
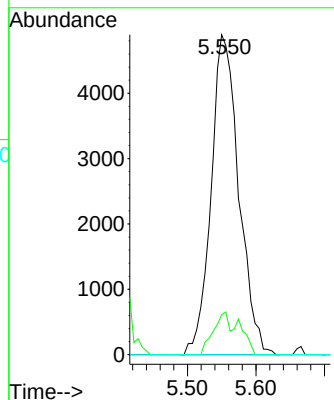
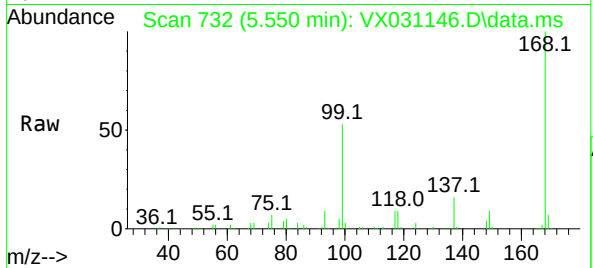




#36
1,1-Dichloropropene
Concen: 4.003 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX031146.D
Acq: 06 Sep 2022 22:17

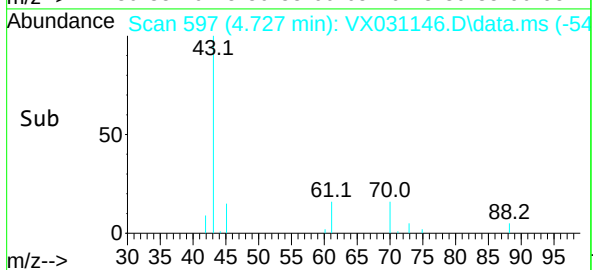
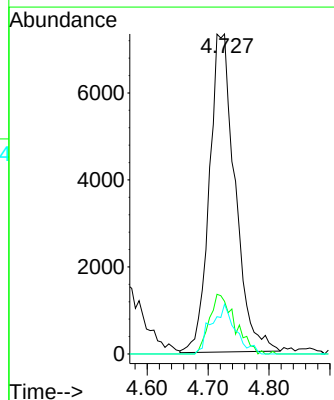
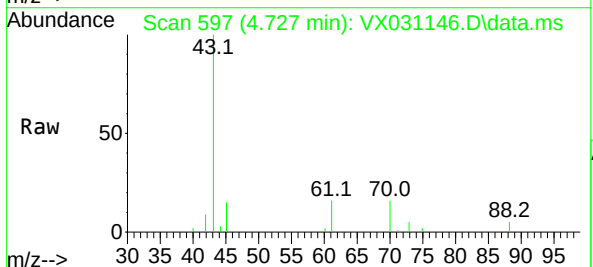
Instrument :
MSVOA_X
ClientSampleId :
PB147457TB

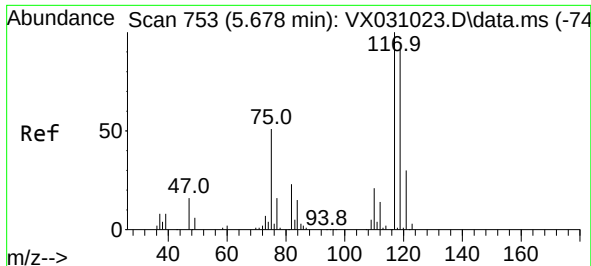
Tgt Ion: 75 Resp: 13727
Ion Ratio Lower Upper
75 100
110 8.8 19.3 57.9#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 7.200 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.006 min
Lab File: VX031146.D
Acq: 06 Sep 2022 22:17

Tgt Ion: 43 Resp: 21449
Ion Ratio Lower Upper
43 100
61 18.7 11.7 17.5#
70 14.6 9.3 13.9#

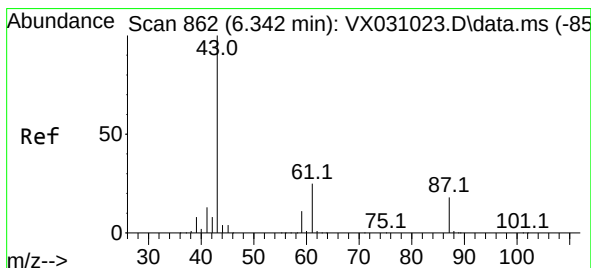
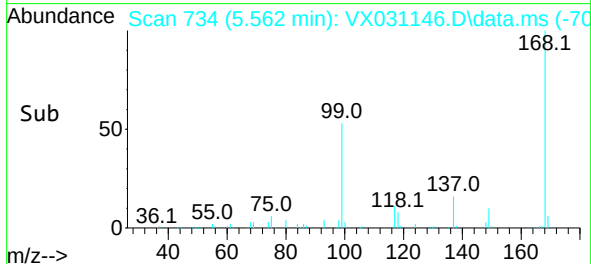
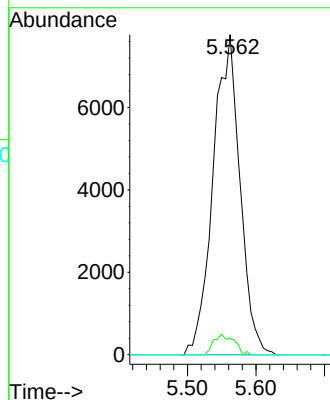
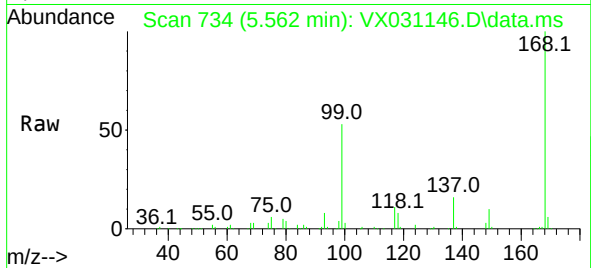




#38
Carbon Tetrachloride
Concen: 5.934 ug/l
RT: 5.562 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX031146.D
Acq: 06 Sep 2022 22:17

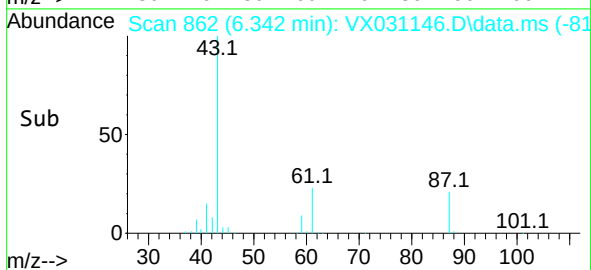
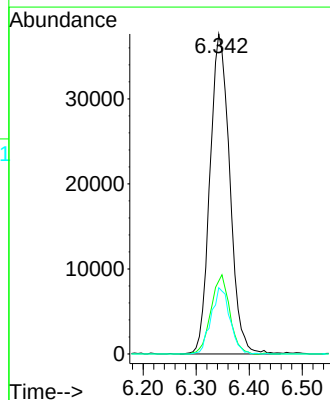
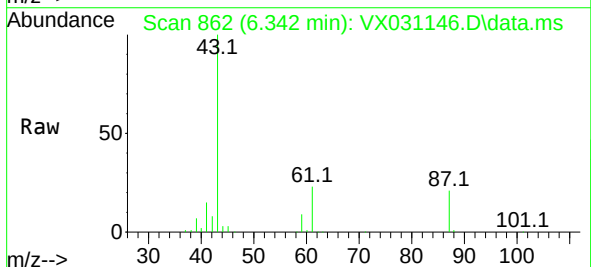
Instrument :
MSVOA_X
ClientSampleId :
PB147457TB

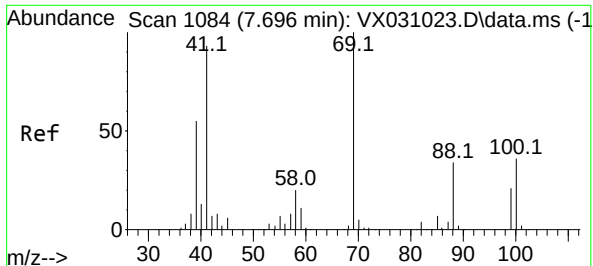
Tgt Ion:117 Resp: 21119
Ion Ratio Lower Upper
117 100
119 5.1 74.1 111.1#
121 0.0 25.8 38.8#



#43
Isopropyl Acetate
Concen: 20.975 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.006 min
Lab File: VX031146.D
Acq: 06 Sep 2022 22:17

Tgt Ion: 43 Resp: 97663
Ion Ratio Lower Upper
43 100
61 23.3 16.5 24.7
87 19.7 11.1 16.7#





#48

Methyl methacrylate

Concen: 37.499 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.097 min

Lab File: VX031146.D

Acq: 06 Sep 2022 22:17

Instrument :

MSVOA_X

ClientSampleId :

PB147457TB

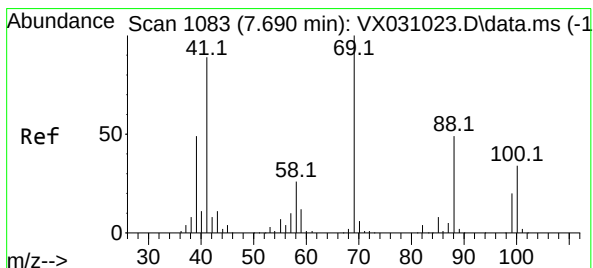
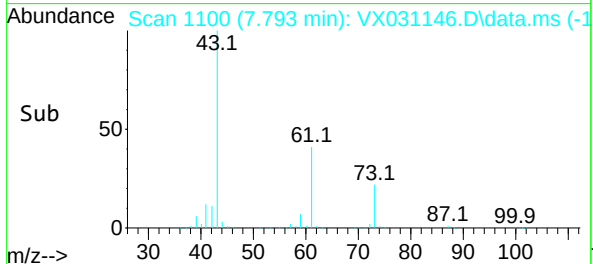
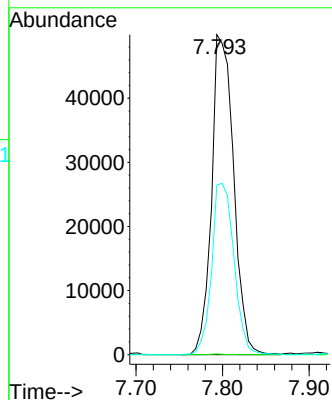
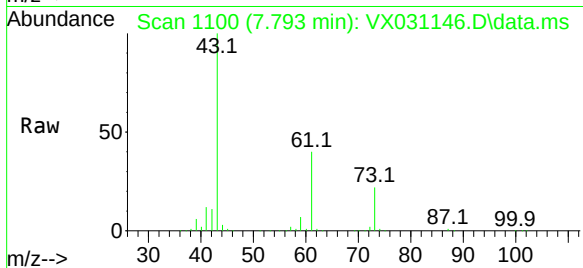
Tgt Ion: 41 Resp: 88146

Ion Ratio Lower Upper

41 100

69 0.1 68.8 103.2#

39 54.3 44.6 66.8



#49

1,4-Dioxane

Concen: 0.839 ug/l

RT: 7.629 min Scan# 1073

Delta R.T. -0.048 min

Lab File: VX031146.D

Acq: 06 Sep 2022 22:17

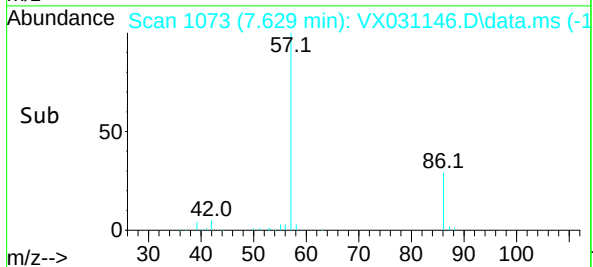
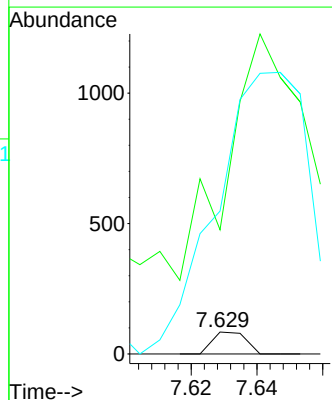
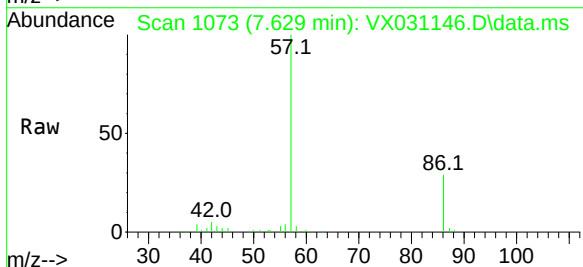
Tgt Ion: 88 Resp: 60

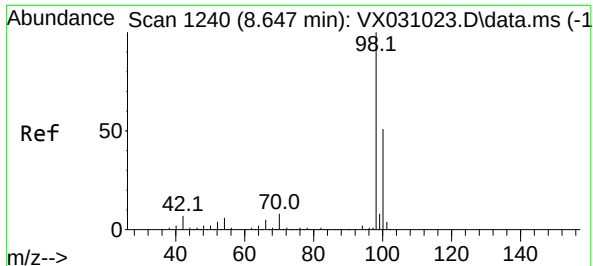
Ion Ratio Lower Upper

88 100

43 0.0 23.8 35.8#

58 4223.3 53.8 80.6#





#50

Toluene-d8

Concen: 49.706 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX031146.D

Acq: 06 Sep 2022 22:17

Instrument :

MSVOA_X

ClientSampleId :

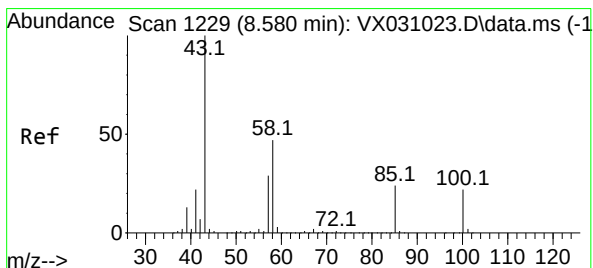
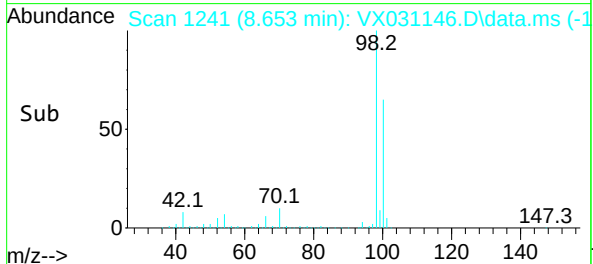
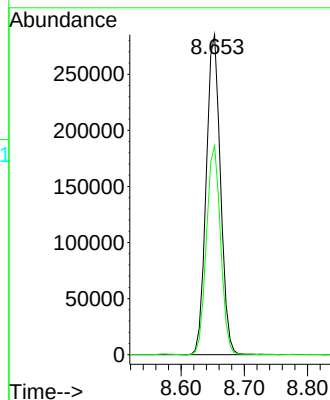
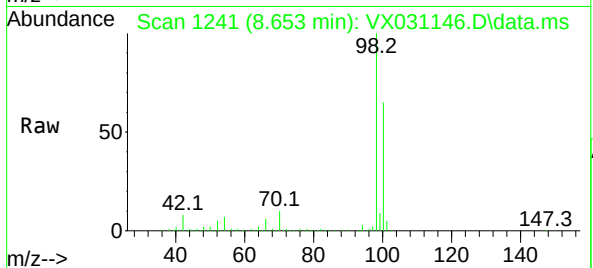
PB147457TB

Tgt Ion: 98 Resp: 447820

Ion Ratio Lower Upper

98 100

100 65.0 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 26.005 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.031 min

Lab File: VX031146.D

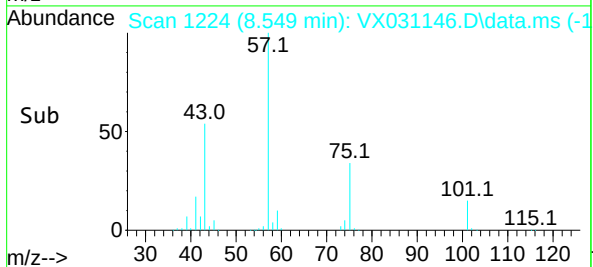
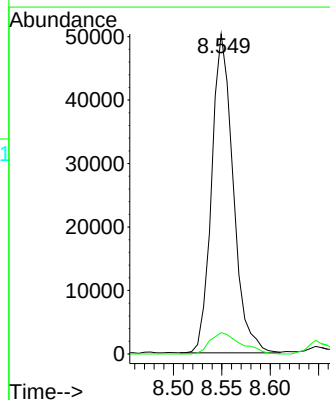
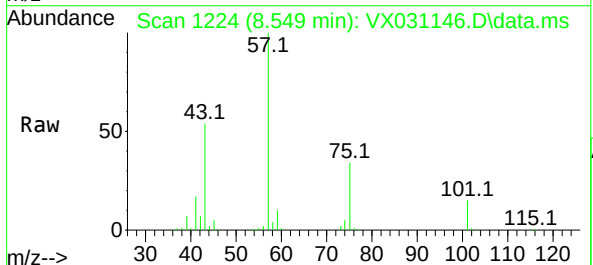
Acq: 06 Sep 2022 22:17

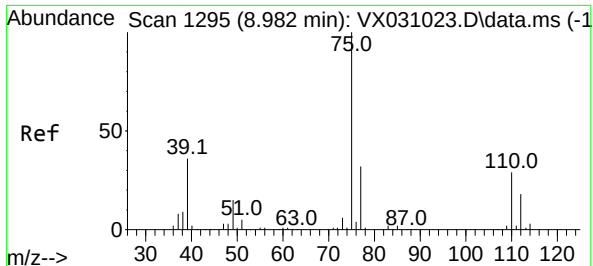
Tgt Ion: 43 Resp: 77837

Ion Ratio Lower Upper

43 100

58 9.5 31.4 47.2#





#53

t-1,3-Dichloropropene

Concen: 0.261 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.030 min

Lab File: VX031146.D

Acq: 06 Sep 2022 22:17

Instrument :

MSVOA_X

ClientSampleId :

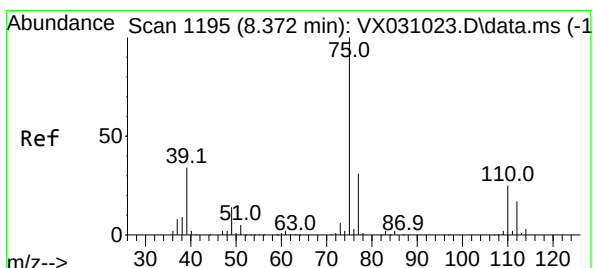
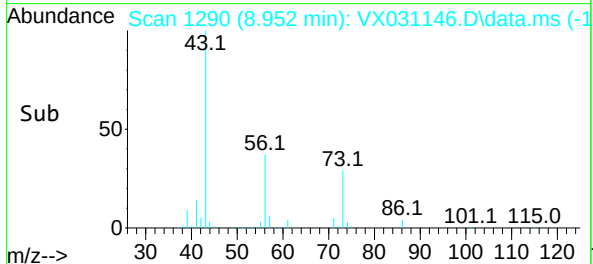
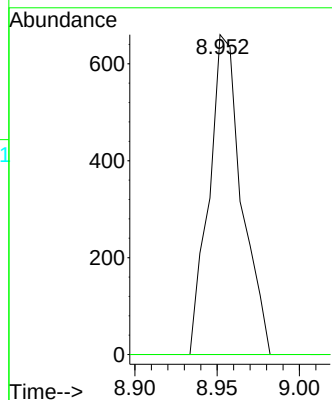
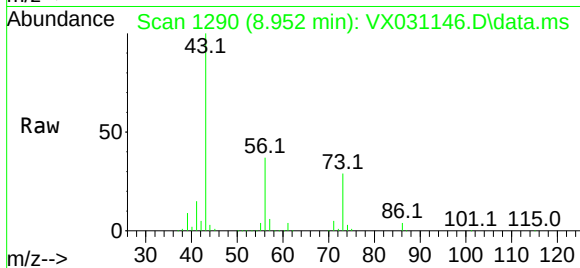
PB147457TB

Tgt Ion: 75 Resp: 911

Ion Ratio Lower Upper

75 100

77 0.0 26.3 39.5#



#54

cis-1,3-Dichloropropene

Concen: 11.961 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.177 min

Lab File: VX031146.D

Acq: 06 Sep 2022 22:17

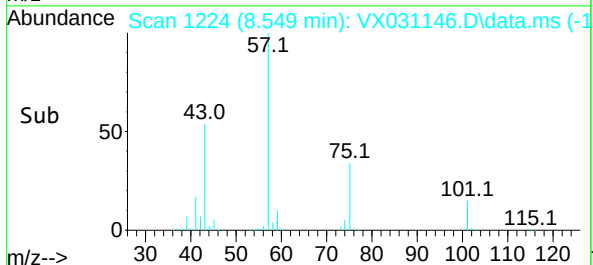
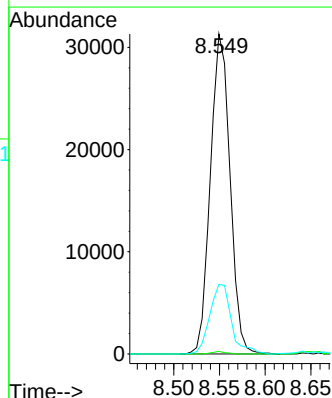
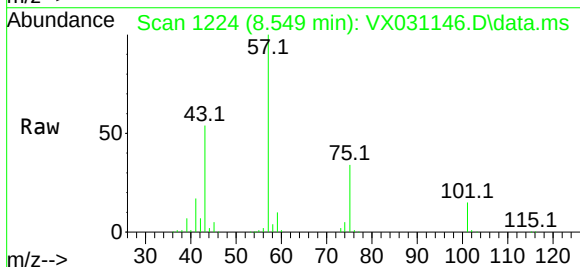
Tgt Ion: 75 Resp: 46727

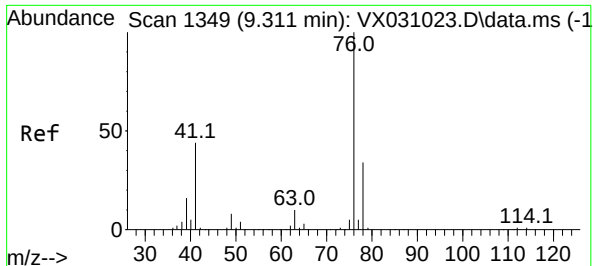
Ion Ratio Lower Upper

75 100

77 0.8 25.0 37.4#

39 21.8 37.5 56.3#





#57

1,3-Dichloropropane

Concen: 1.527 ug/l

RT: 9.488 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX031146.D

Acq: 06 Sep 2022 22:17

Instrument :

MSVOA_X

ClientSampleId :

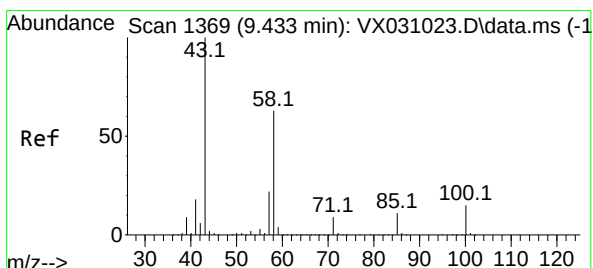
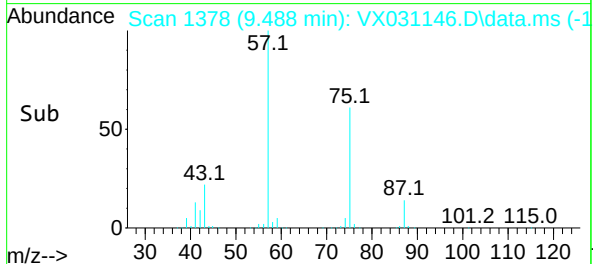
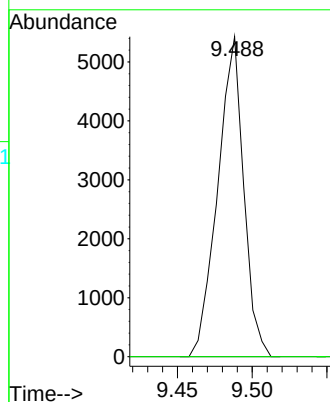
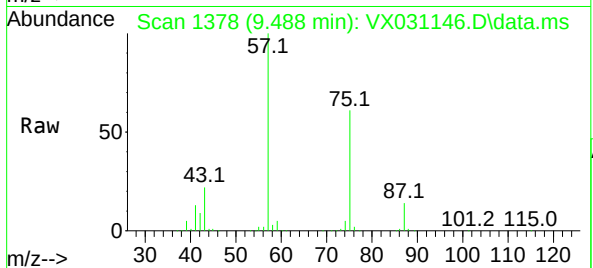
PB147457TB

Tgt Ion: 76 Resp: 6554

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 38.817 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.055 min

Lab File: VX031146.D

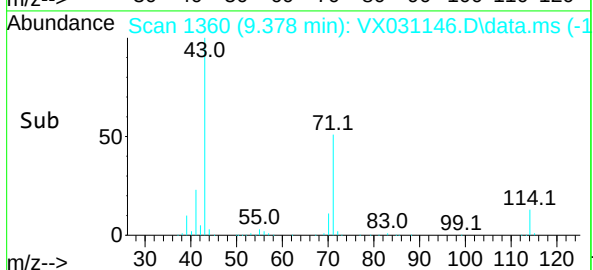
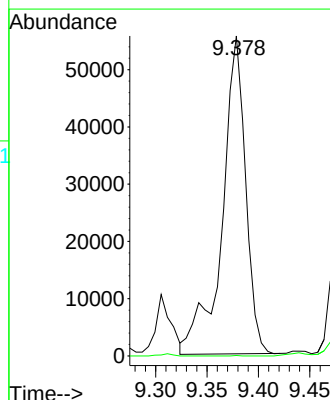
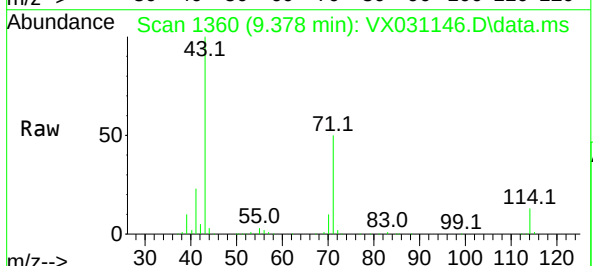
Acq: 06 Sep 2022 22:17

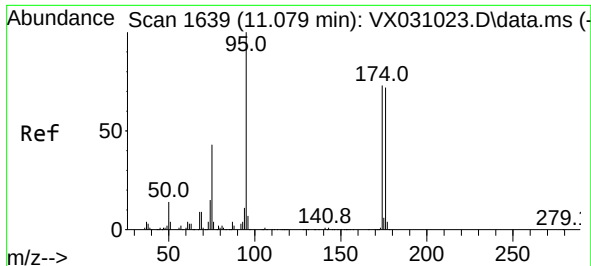
Tgt Ion: 43 Resp: 87863

Ion Ratio Lower Upper

43 100

58 0.0 27.6 82.8#

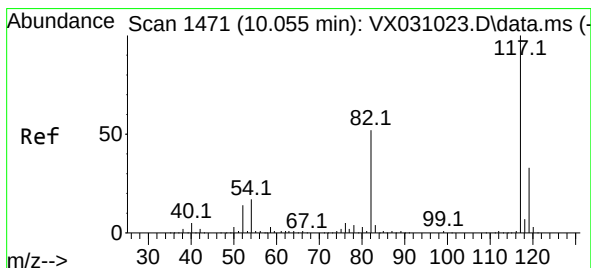
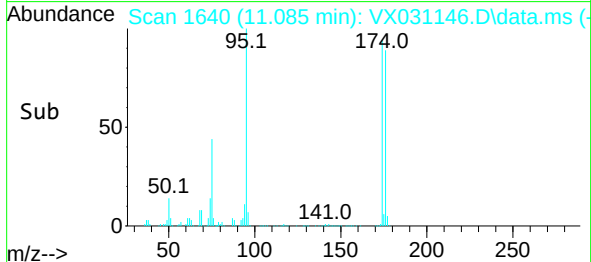
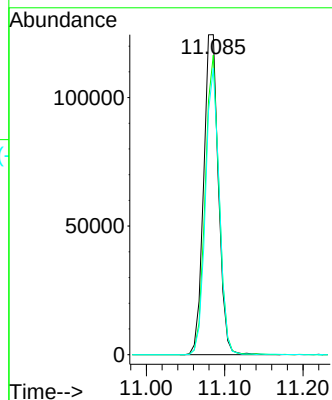
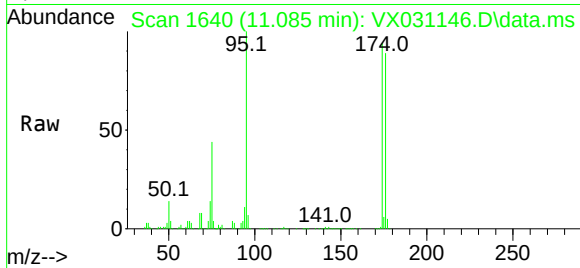




#62
4-Bromofluorobenzene
Concen: 51.119 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX031146.D
Acq: 06 Sep 2022 22:17

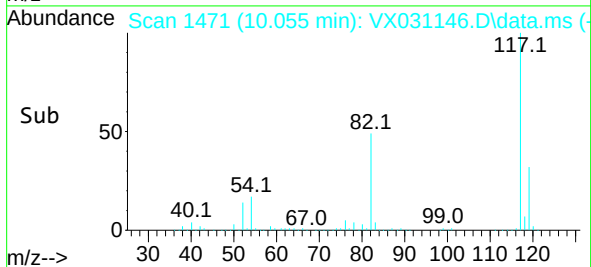
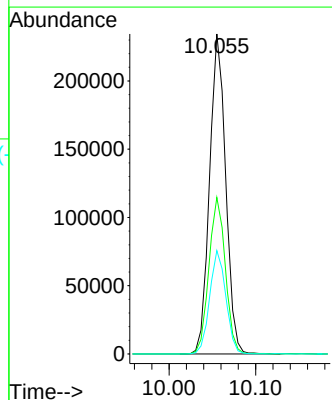
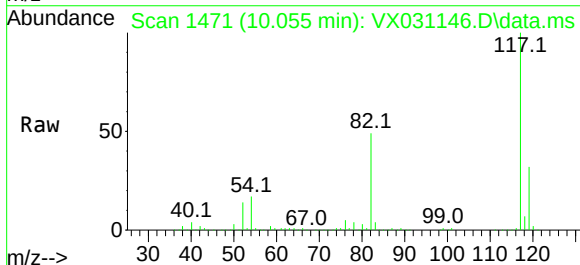
Instrument :
MSVOA_X
ClientSampleId :
PB147457TB

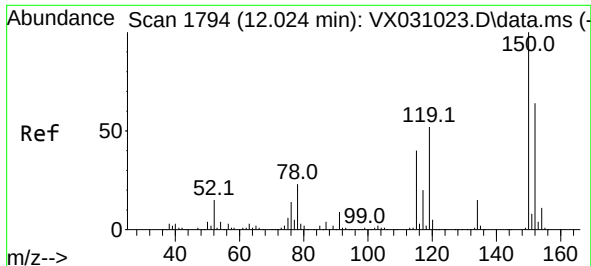
Tgt Ion: 95 Resp: 162665
Ion Ratio Lower Upper
95 100
174 87.6 0.0 149.0
176 83.8 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031146.D
Acq: 06 Sep 2022 22:17

Tgt Ion: 117 Resp: 302878
Ion Ratio Lower Upper
117 100
82 48.9 42.7 64.1
119 32.3 25.4 38.2

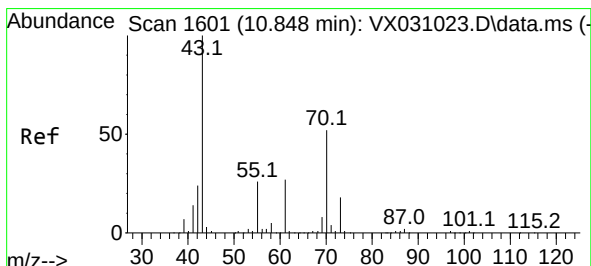
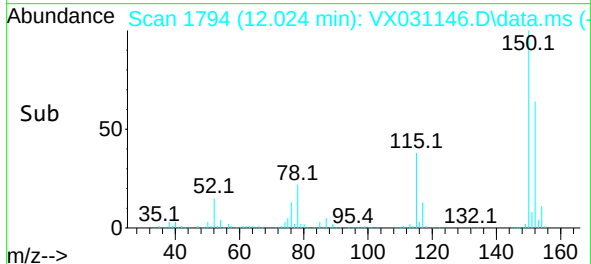
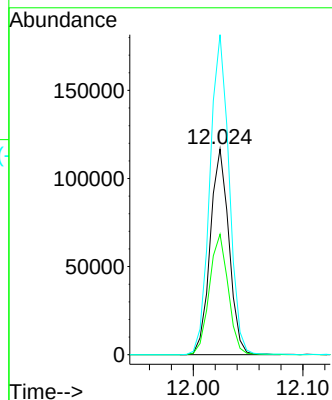
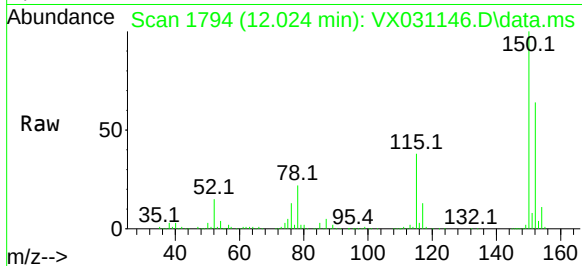




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031146.D
Acq: 06 Sep 2022 22:17

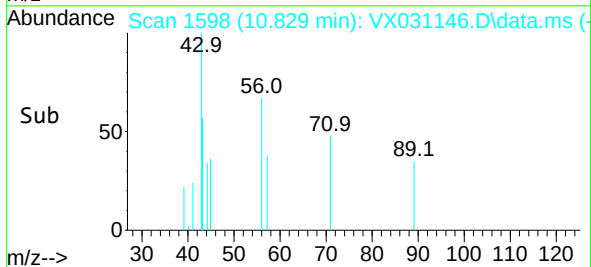
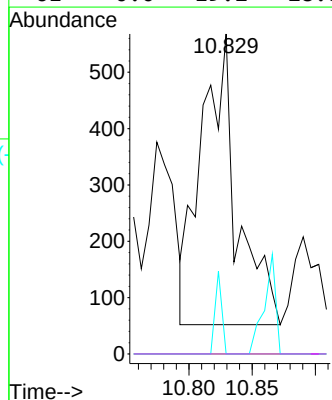
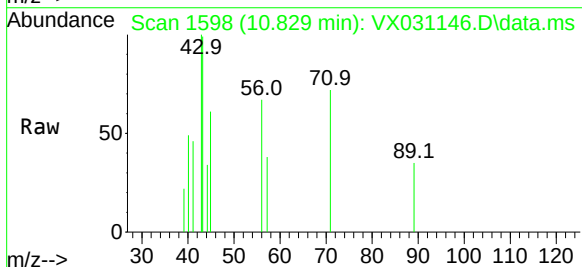
Instrument :
MSVOA_X
ClientSampleId :
PB147457TB

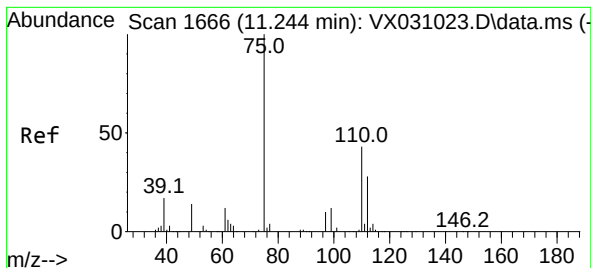
Tgt Ion:152 Resp: 138585
Ion Ratio Lower Upper
152 100
115 58.9 40.5 121.5
150 159.2 0.0 347.0



#74
N-ethyl acetate
Concen: 0.302 ug/l
RT: 10.829 min Scan# 1598
Delta R.T. -0.019 min
Lab File: VX031146.D
Acq: 06 Sep 2022 22:17

Tgt Ion: 43 Resp: 1019
Ion Ratio Lower Upper
43 100
70 0.0 32.3 48.5#
55 5.3 18.4 27.6#
61 0.0 19.2 28.8#





#76

1,2,3-Trichloropropane

Concen: 22.946 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX031146.D

Acq: 06 Sep 2022 22:17

Instrument :

MSVOA_X

ClientSampleId :

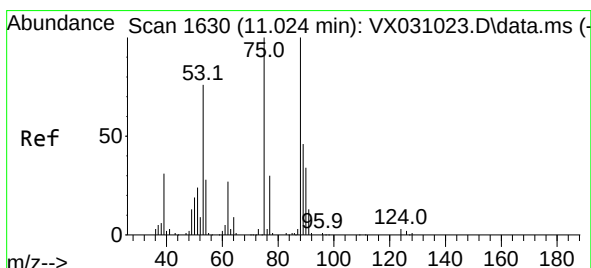
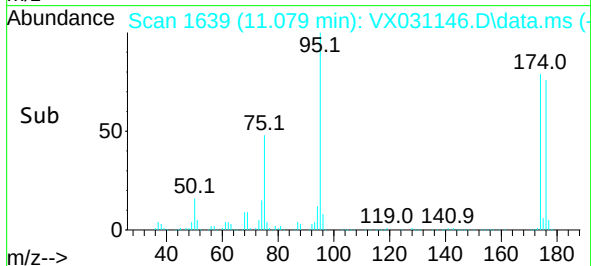
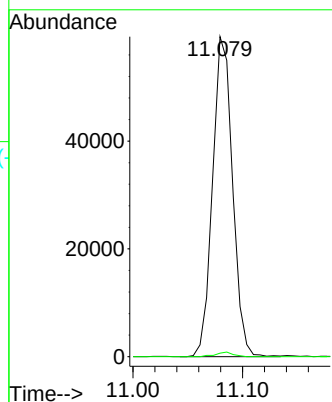
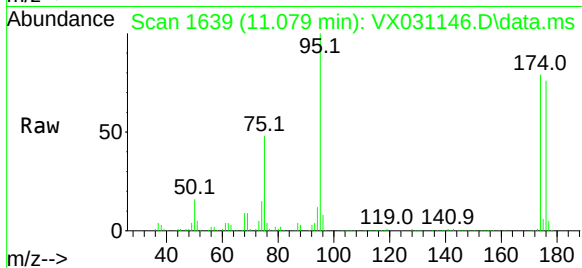
PB147457TB

Tgt Ion: 75 Resp: 75173

Ion Ratio Lower Upper

75 100

77 1.2 19.8 59.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.114 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.055 min

Lab File: VX031146.D

Acq: 06 Sep 2022 22:17

Tgt Ion: 75 Resp: 75173

Ion Ratio Lower Upper

75 100

53 0.0 74.2 111.4#

89 0.1 34.8 52.2#

