

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070522\
 Data File : VX029921.D
 Acq On : 05 Jul 2022 15:28
 Operator : JC/MD
 Sample : PB145991ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

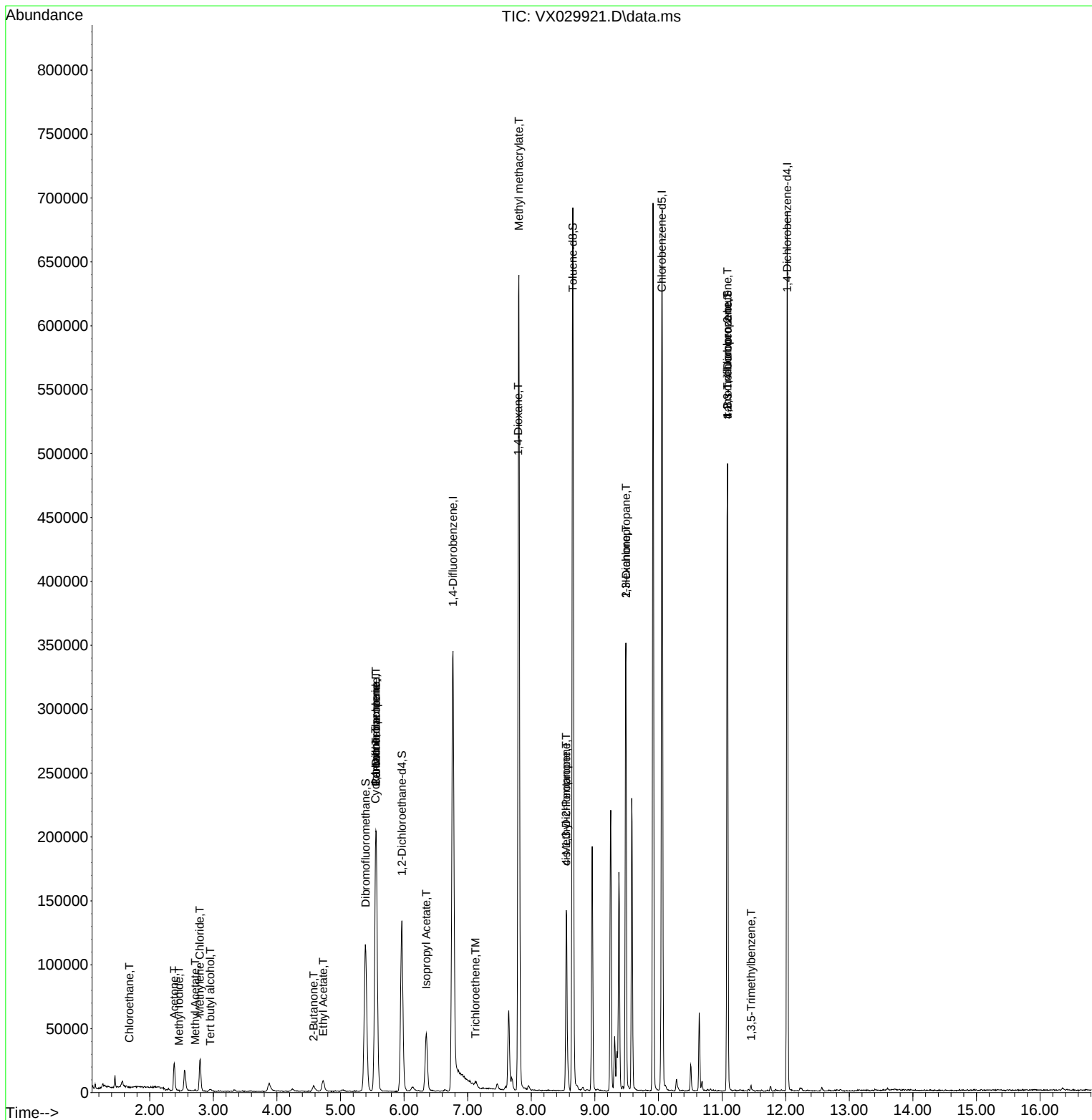
Instrument :
 MSVOA_X
 ClientSampleId :
 PB145991ZHE#07

Quant Time: Jul 06 06:56:16 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	205978	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	362112	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	312888	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	133358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	113840	43.661	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.320%
35) Dibromofluoromethane	5.397	113	102323	45.215	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.440%
50) Toluene-d8	8.653	98	411260	48.443	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.880%
62) 4-Bromofluorobenzene	11.085	95	136913	45.623	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.240%
Target Compounds						
					Qvalue	
6) Chloroethane	1.678	64	560	1.360	ug/l #	41
10) Methyl Iodide	2.459	142	265	1.963	ug/l #	85
11) Tert butyl alcohol	2.953	59	1388	2.036	ug/l #	80
13) Acrolein	2.258	56	19	Below Cal	#	1
16) Acetone	2.386	43	22862	17.923	ug/l	92
18) Methyl Acetate	2.715	43	1240	0.315	ug/l #	80
20) Methylene Chloride	2.788	84	11691	4.340	ug/l	91
25) 2-Butanone	4.574	43	6640	2.999	ug/l	96
31) Cyclohexane	5.550	56	4016	1.105	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	15327	5.092	ug/l #	46
37) Ethyl Acetate	4.727	43	14476	3.517	ug/l	97
38) Carbon Tetrachloride	5.556	117	18833	7.221	ug/l #	17
43) Isopropyl Acetate	6.348	43	60922	9.828	ug/l	100
44) Trichloroethene	7.122	130	1547	0.590	ug/l	80
48) Methyl methacrylate	7.805	41	53081	18.061	ug/l #	41
49) 1,4-Dioxane	7.793	88	53	0.762	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	50560	12.369	ug/l #	46
54) cis-1,3-Dichloropropene	8.549	75	23085	6.359	ug/l #	59
57) 1,3-Dichloropropane	9.488	76	3290	0.799	ug/l #	42
59) 2-Hexanone	9.488	43	39930	12.588	ug/l #	52
76) 1,2,3-Trichloropropane	11.085	75	64315	20.146	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.457	105	1783	0.223	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.085	75	64315	63.980	ug/l #	13

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

Quant Time: Jul 06 06:56:16 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

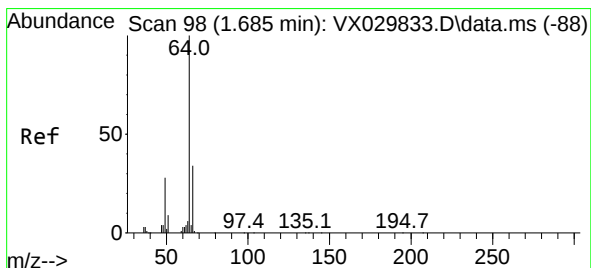
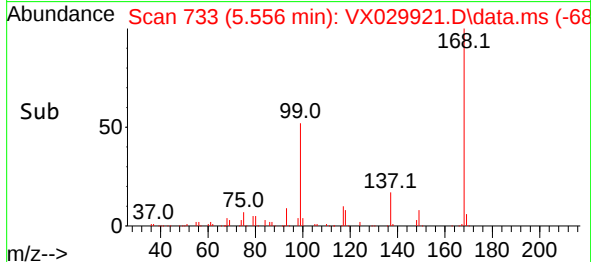
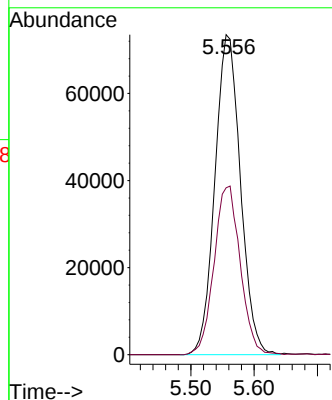
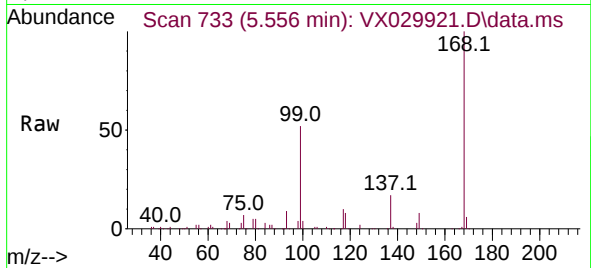




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029921.D
Acq: 05 Jul 2022 15:28

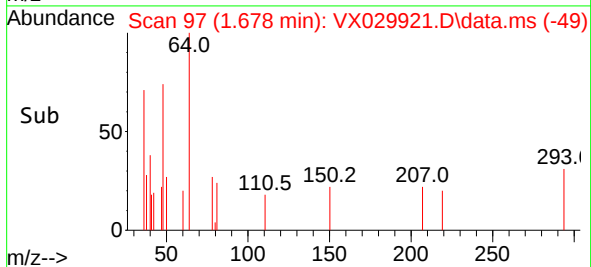
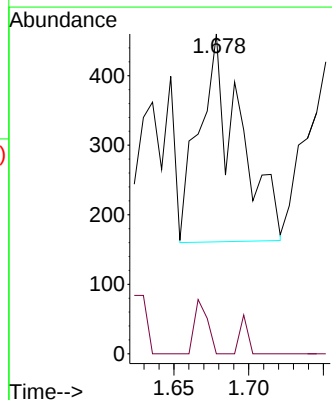
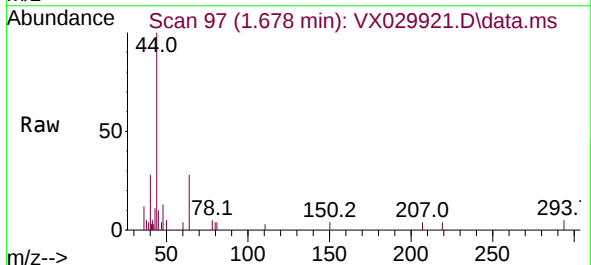
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#07

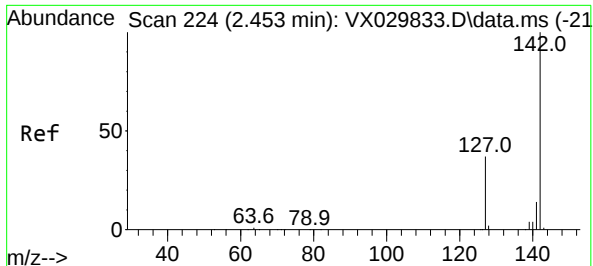
Tgt Ion:168 Resp: 205978
Ion Ratio Lower Upper
168 100
99 52.2 44.0 66.0



#6
Chloroethane
Concen: 1.360 ug/l
RT: 1.678 min Scan# 97
Delta R.T. -0.007 min
Lab File: VX029921.D
Acq: 05 Jul 2022 15:28

Tgt Ion: 64 Resp: 560
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

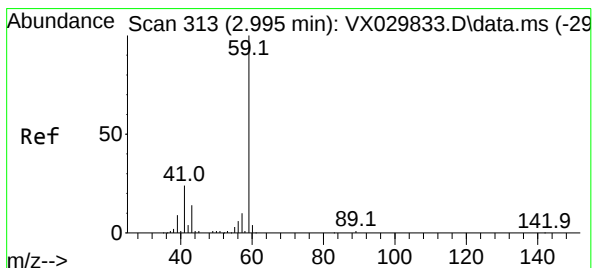
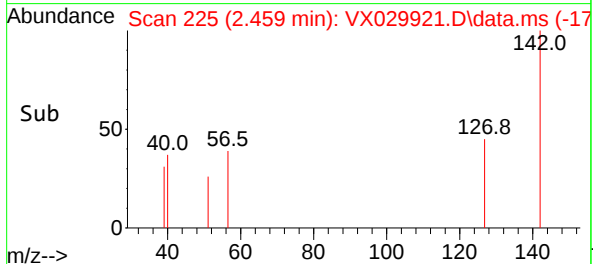
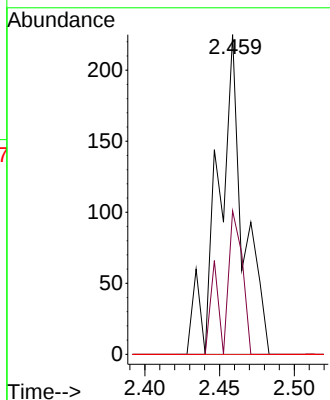
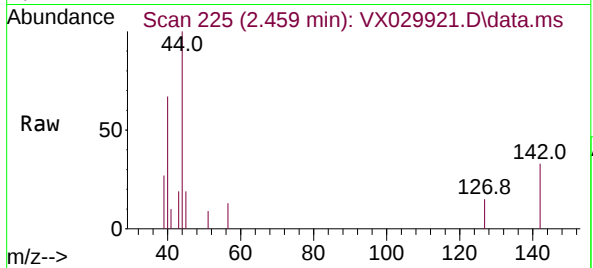




#10
Methyl Iodide
Concen: 1.963 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029921.D
Acq: 05 Jul 2022 15:28

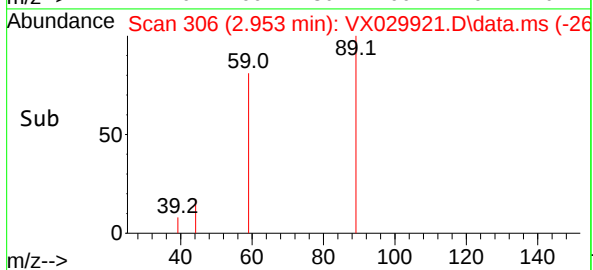
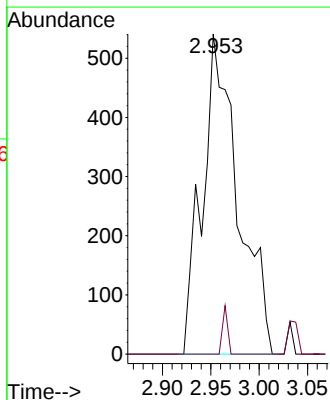
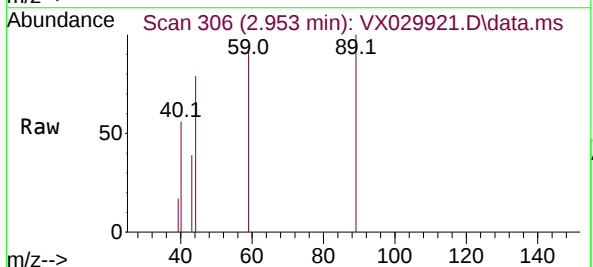
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#07

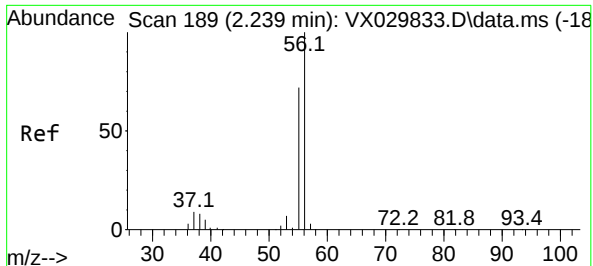
Tgt Ion:142 Resp: 265
Ion Ratio Lower Upper
142 100
127 32.8 30.2 45.2
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 2.036 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.043 min
Lab File: VX029921.D
Acq: 05 Jul 2022 15:28

Tgt Ion: 59 Resp: 1388
Ion Ratio Lower Upper
59 100
57 2.2 7.4 11.2#





#13

Acrolein

Concen: Below Cal

RT: 2.258 min Scan# 19

Delta R.T. 0.019 min

Lab File: VX029921.D

Acq: 05 Jul 2022 15:28

Instrument :

MSVOA_X

ClientSampleId :

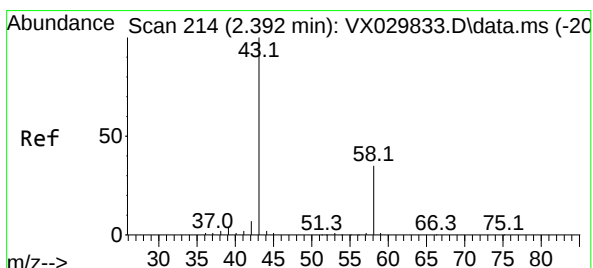
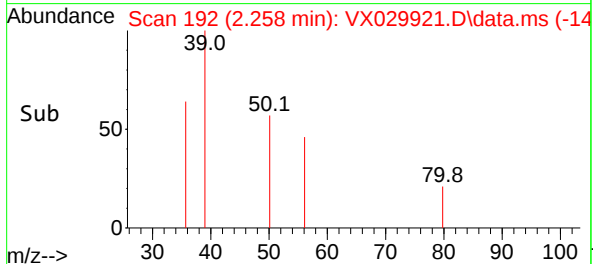
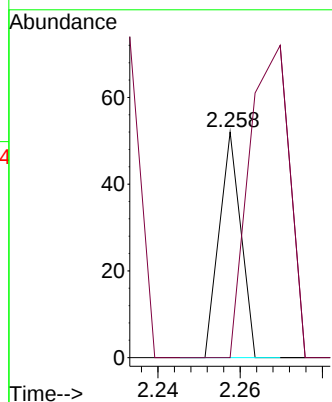
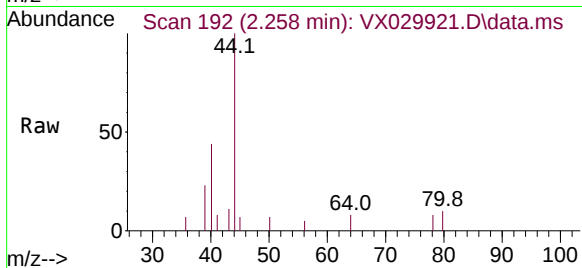
PB145991ZHE#07

Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 257.9 56.6 84.8#



#16

Acetone

Concen: 17.923 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX029921.D

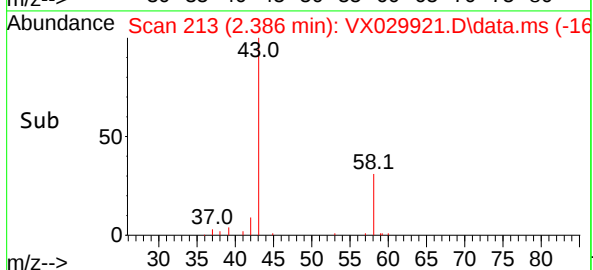
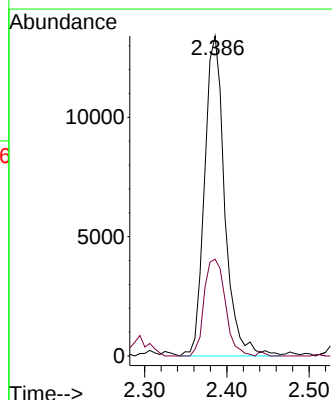
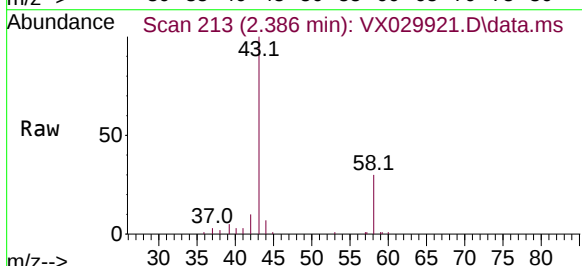
Acq: 05 Jul 2022 15:28

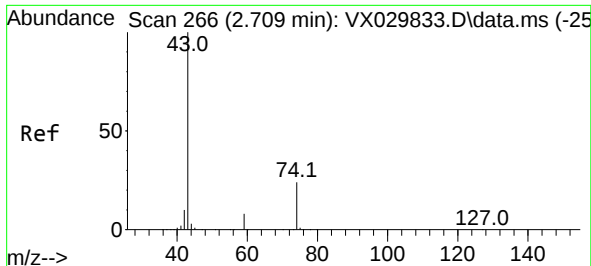
Tgt Ion: 43 Resp: 22862

Ion Ratio Lower Upper

43 100

58 30.2 27.7 41.5

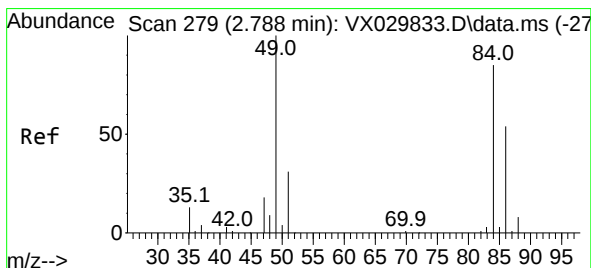
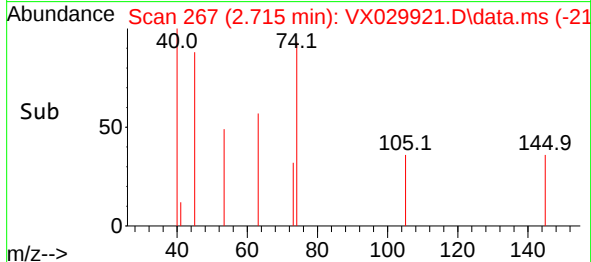
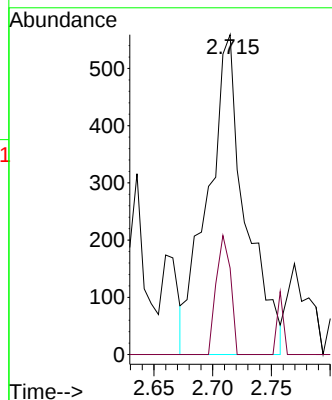
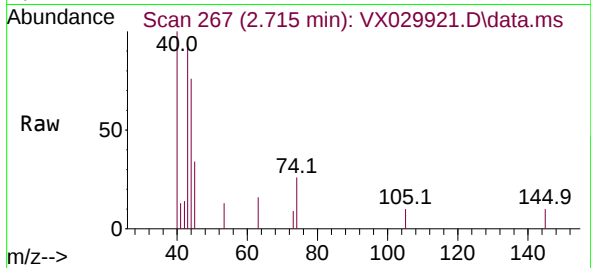




#18
Methyl Acetate
Concen: 0.315 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX029921.D
Acq: 05 Jul 2022 15:28

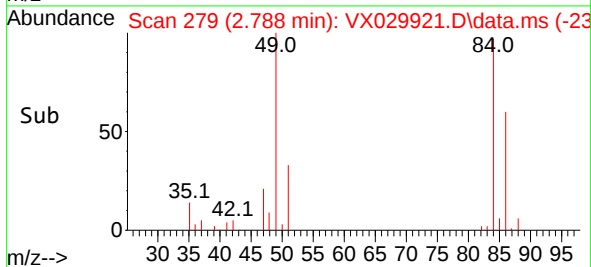
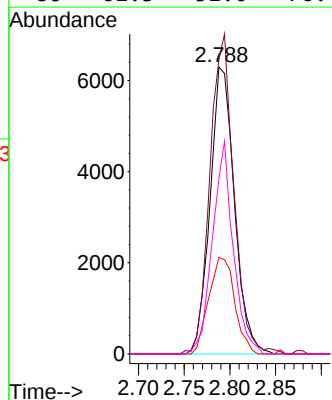
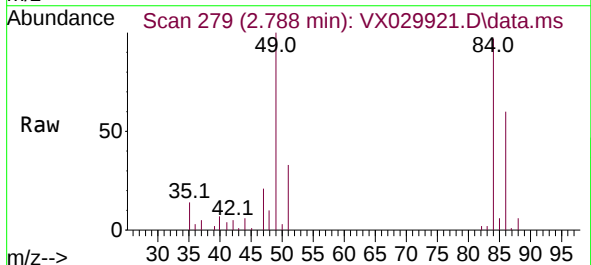
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#07

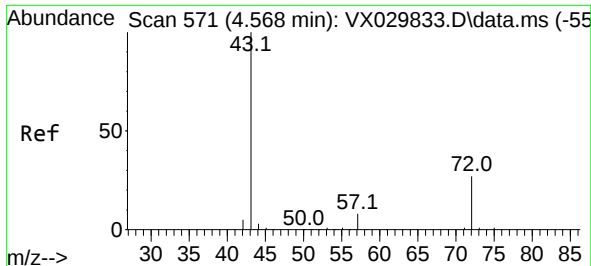
Tgt Ion: 43 Resp: 1240
Ion Ratio Lower Upper
43 100
74 14.2 19.4 29.2#



#20
Methylene Chloride
Concen: 4.340 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX029921.D
Acq: 05 Jul 2022 15:28

Tgt Ion: 84 Resp: 11691
Ion Ratio Lower Upper
84 100
49 102.7 93.8 140.6
51 33.6 29.4 44.0
86 61.3 51.0 76.4

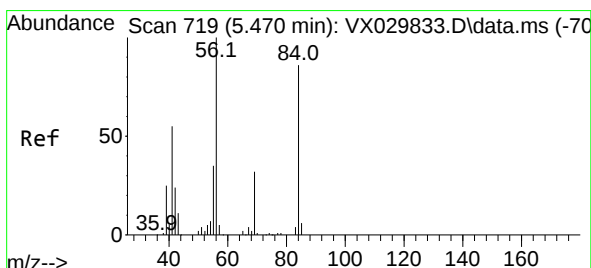
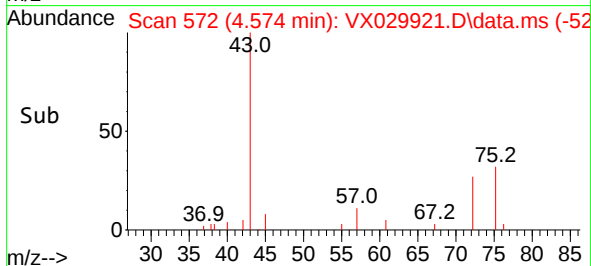
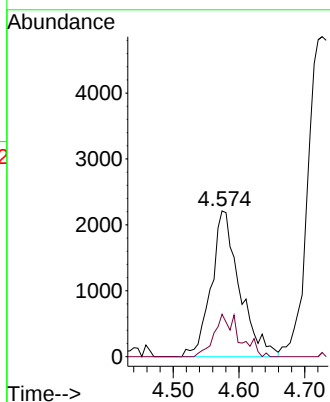
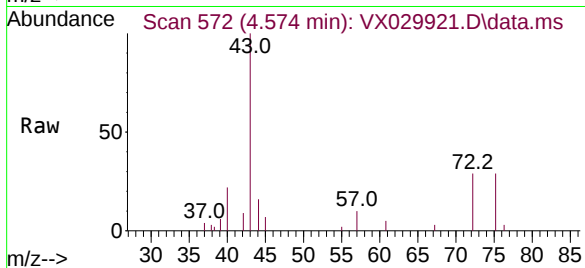




#25
2-Butanone
Concen: 2.999 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX029921.D
Acq: 05 Jul 2022 15:28

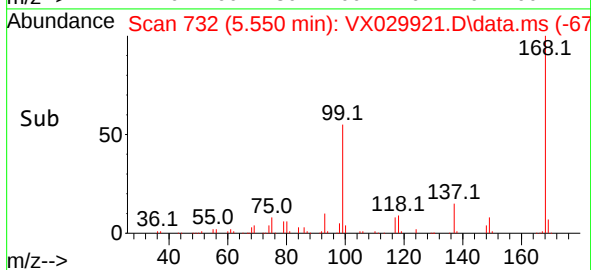
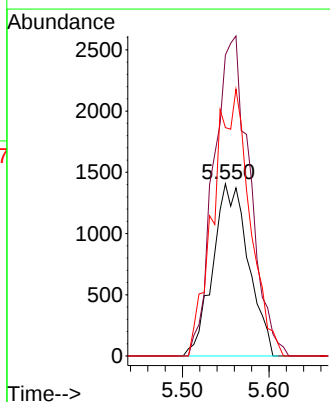
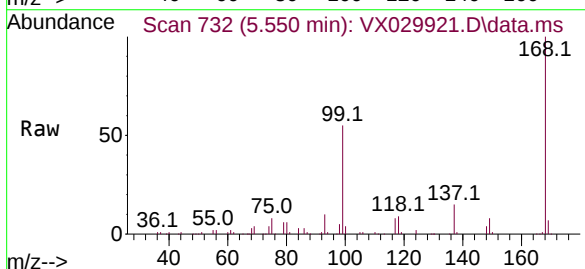
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#07

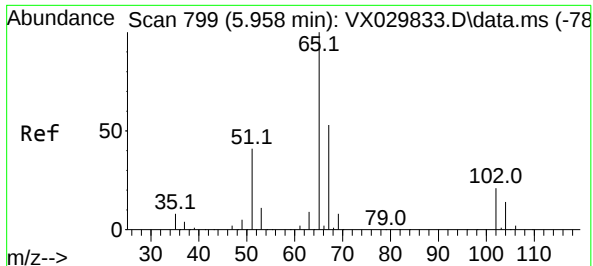
Tgt Ion: 43 Resp: 6640
Ion Ratio Lower Upper
43 100
72 29.1 21.7 32.5



#31
Cyclohexane
Concen: 1.105 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX029921.D
Acq: 05 Jul 2022 15:28

Tgt Ion: 56 Resp: 4016
Ion Ratio Lower Upper
56 100
69 174.9 25.4 38.0#
84 132.6 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 43.661 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX029921.D

Acq: 05 Jul 2022 15:28

Instrument :

MSVOA_X

ClientSampleId :

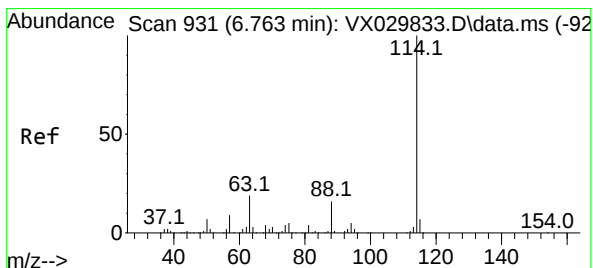
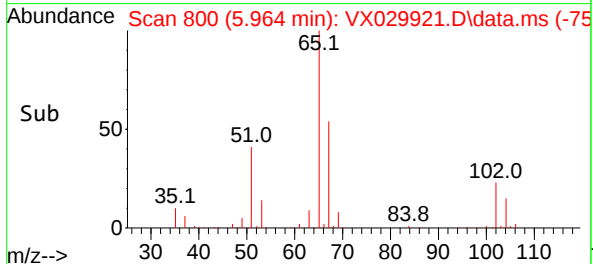
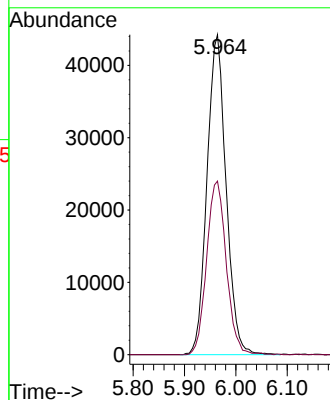
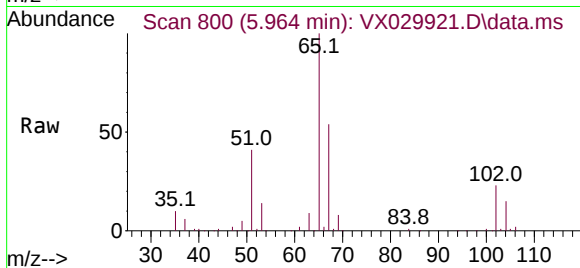
PB145991ZHE#07

Tgt Ion: 65 Resp: 113840

Ion Ratio Lower Upper

65 100

67 56.0 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX029921.D

Acq: 05 Jul 2022 15:28

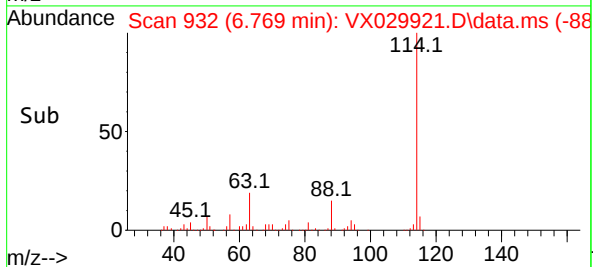
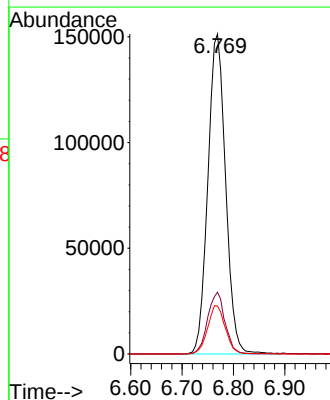
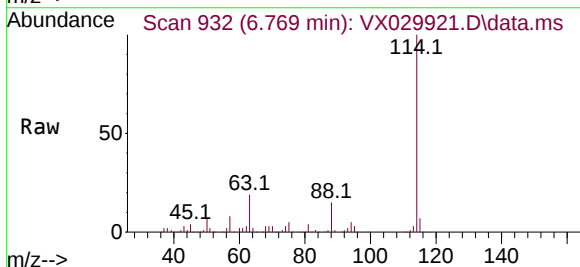
Tgt Ion: 114 Resp: 362112

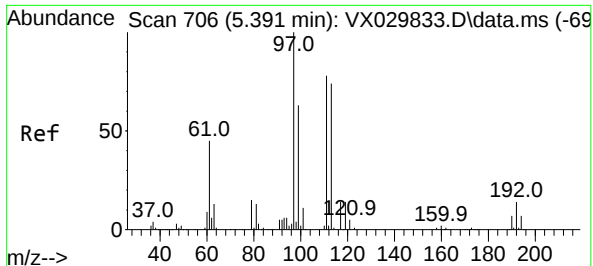
Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.4

88 15.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 45.215 ug/l

RT: 5.397 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX029921.D

Acq: 05 Jul 2022 15:28

Instrument :

MSVOA_X

ClientSampleId :

PB145991ZHE#07

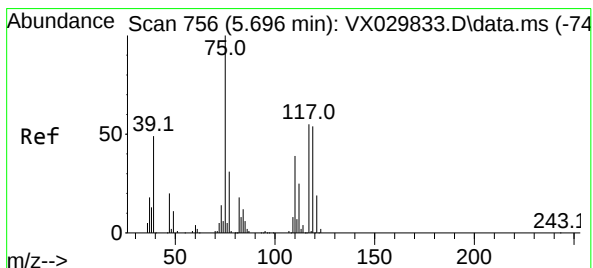
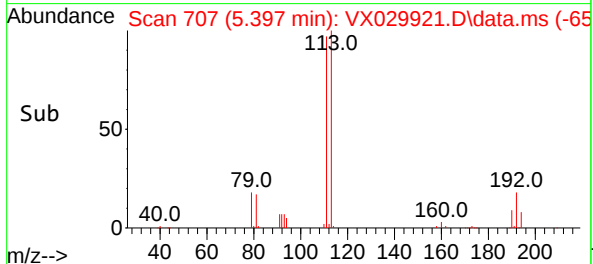
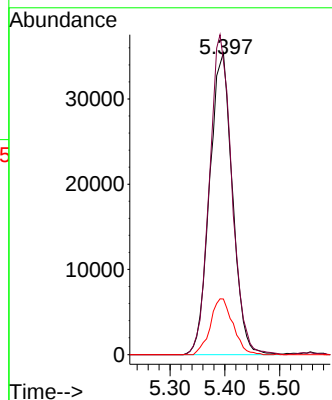
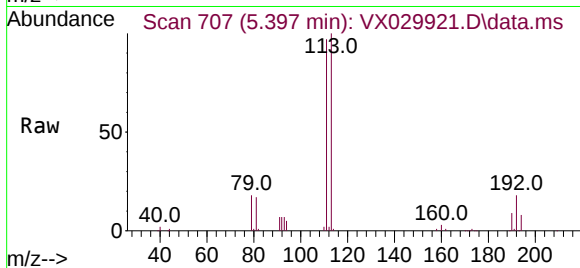
Tgt Ion:113 Resp: 102323

Ion Ratio Lower Upper

113 100

111 104.1 83.2 124.8

192 18.4 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.092 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX029921.D

Acq: 05 Jul 2022 15:28

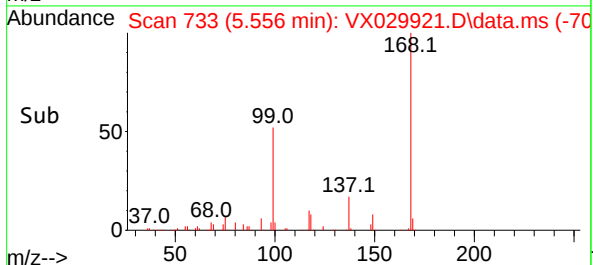
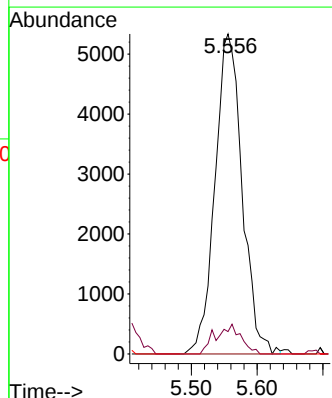
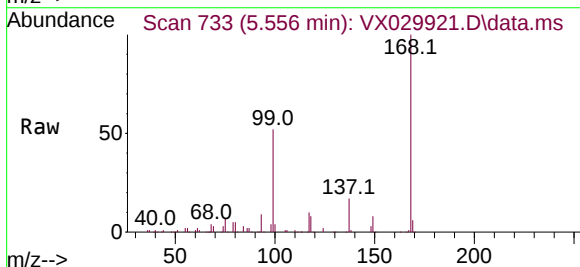
Tgt Ion: 75 Resp: 15327

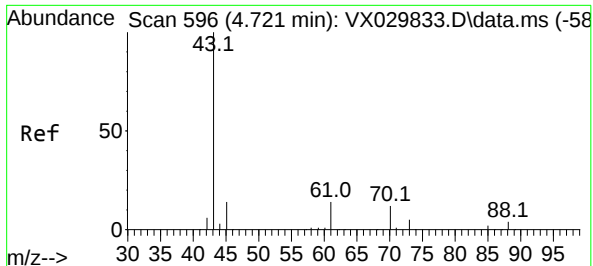
Ion Ratio Lower Upper

75 100

110 6.5 19.3 57.9#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 3.517 ug/l

RT: 4.727 min Scan# 596

Delta R.T. 0.006 min

Lab File: VX029921.D

Acq: 05 Jul 2022 15:28

Instrument :

MSVOA_X

ClientSampleId :

PB145991ZHE#07

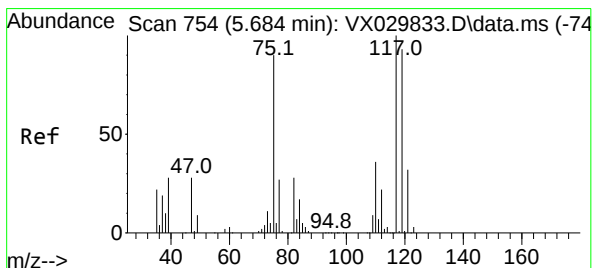
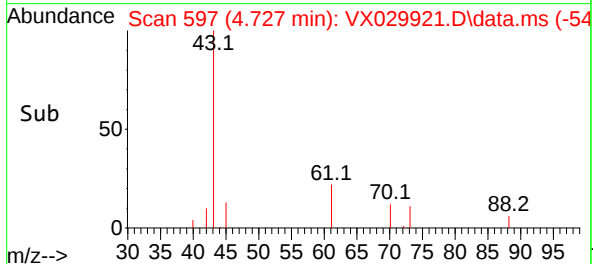
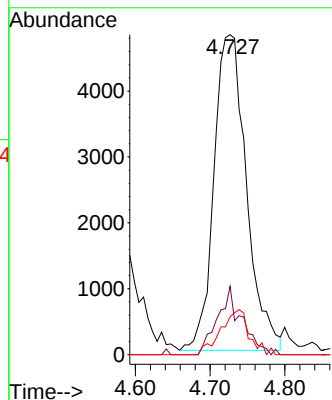
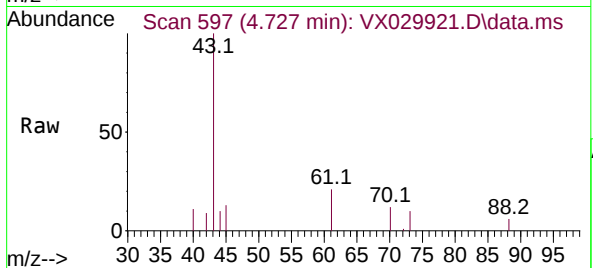
Tgt Ion: 43 Resp: 14476

Ion Ratio Lower Upper

43 100

61 16.4 11.7 17.5

70 12.4 9.3 13.9



#38

Carbon Tetrachloride

Concen: 7.221 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX029921.D

Acq: 05 Jul 2022 15:28

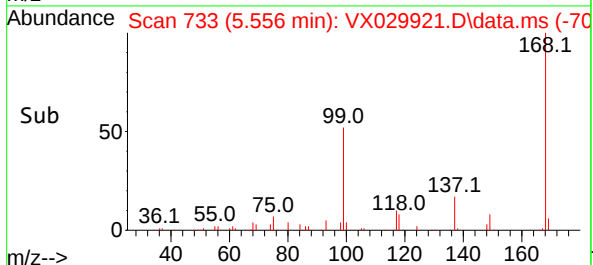
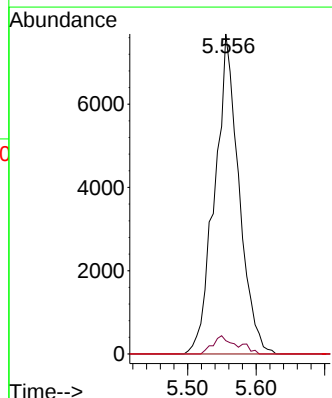
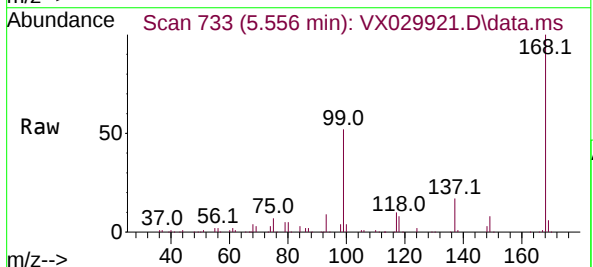
Tgt Ion: 117 Resp: 18833

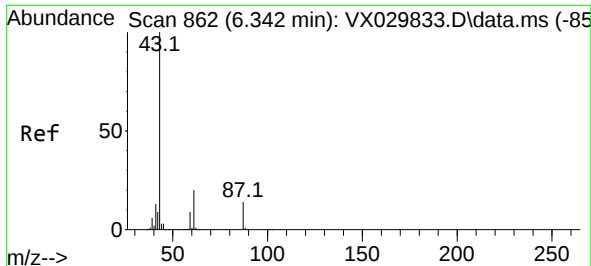
Ion Ratio Lower Upper

117 100

119 4.1 74.1 111.1#

121 0.0 25.8 38.8#

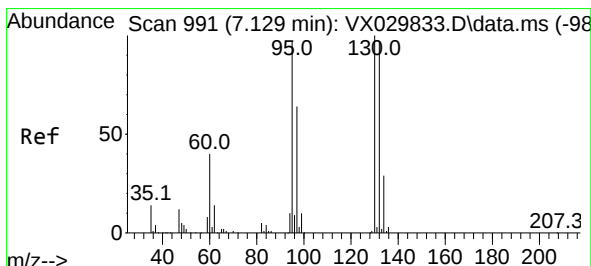
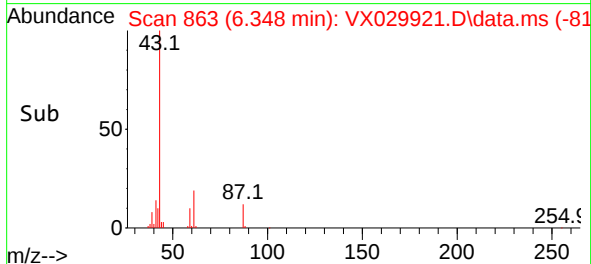
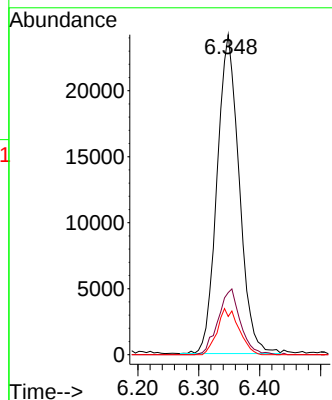
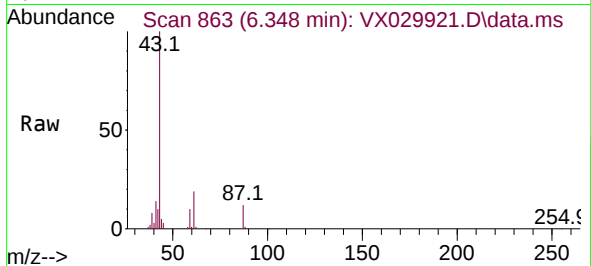




#43
Isopropyl Acetate
Concen: 9.828 ug/l
RT: 6.348 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX029921.D
Acq: 05 Jul 2022 15:28

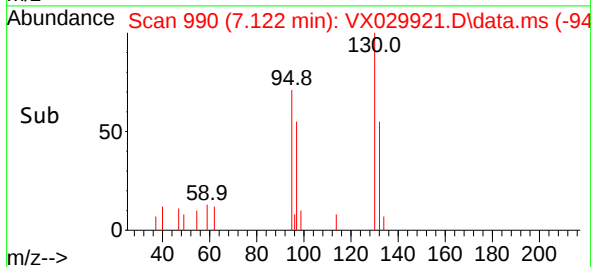
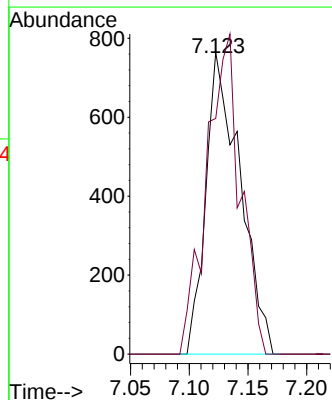
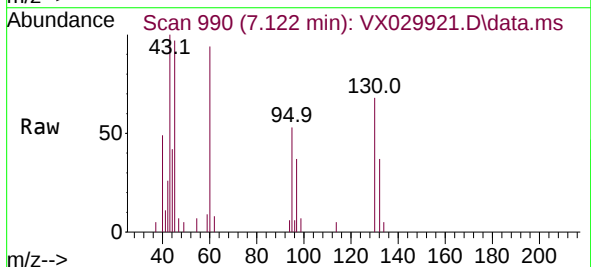
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#07

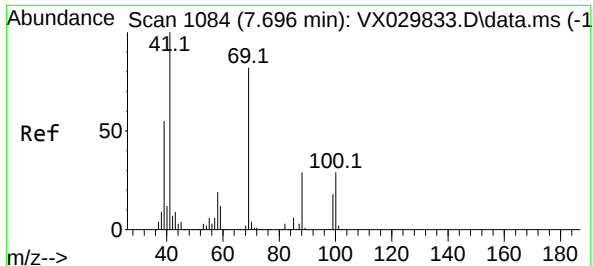
Tgt Ion: 43 Resp: 60922
Ion Ratio Lower Upper
43 100
61 20.7 16.5 24.7
87 14.1 11.1 16.7



#44
Trichloroethene
Concen: 0.590 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX029921.D
Acq: 05 Jul 2022 15:28

Tgt Ion: 130 Resp: 1547
Ion Ratio Lower Upper
130 100
95 78.0 0.0 194.8





#48

Methyl methacrylate

Concen: 18.061 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.110 min

Lab File: VX029921.D

Acq: 05 Jul 2022 15:28

Instrument :

MSVOA_X

ClientSampleId :

PB145991ZHE#07

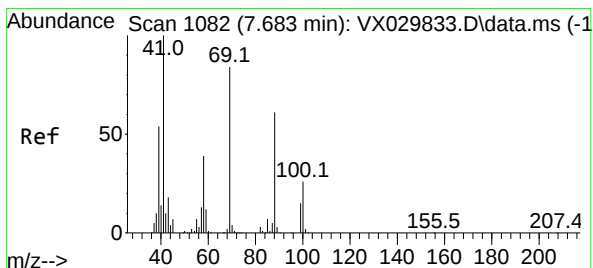
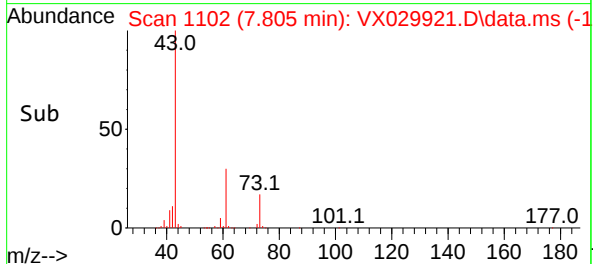
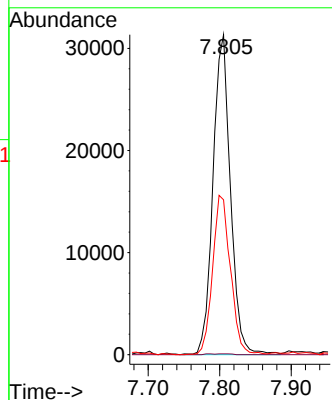
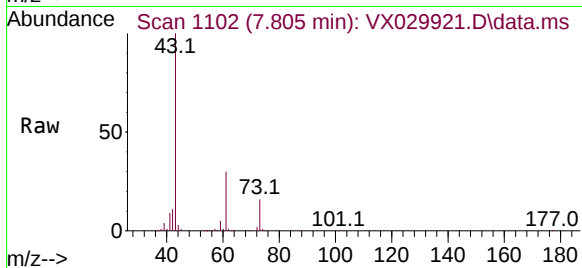
Tgt Ion: 41 Resp: 53081

Ion Ratio Lower Upper

41 100

69 0.2 68.8 103.2#

39 51.0 44.6 66.8



#49

1,4-Dioxane

Concen: 0.762 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.110 min

Lab File: VX029921.D

Acq: 05 Jul 2022 15:28

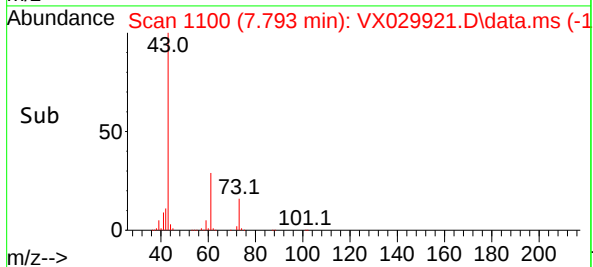
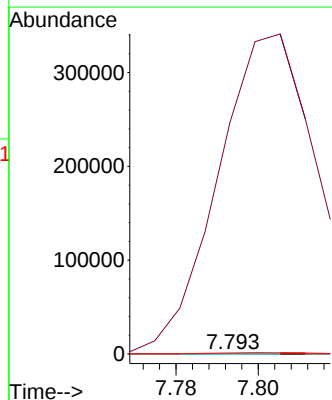
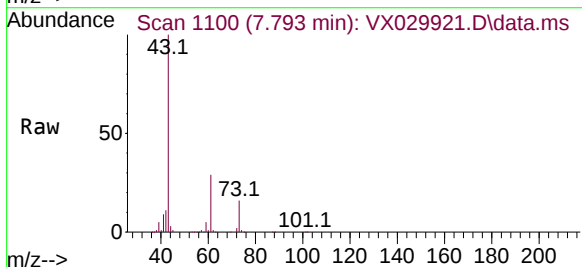
Tgt Ion: 88 Resp: 53

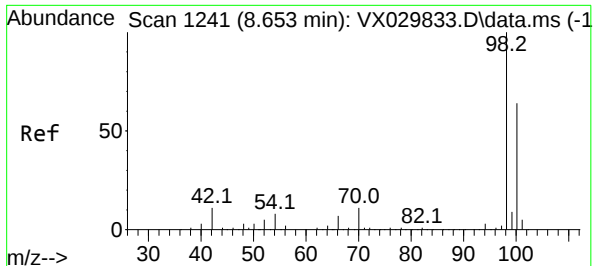
Ion Ratio Lower Upper

88 100

43 1123332.1 23.8 35.8#

58 4949.1 53.8 80.6#





#50

Toluene-d8

Concen: 48.443 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX029921.D

Acq: 05 Jul 2022 15:28

Instrument :

MSVOA_X

ClientSampleId :

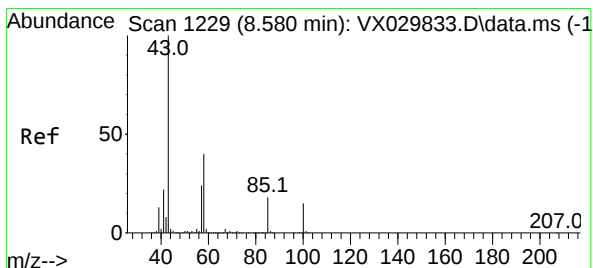
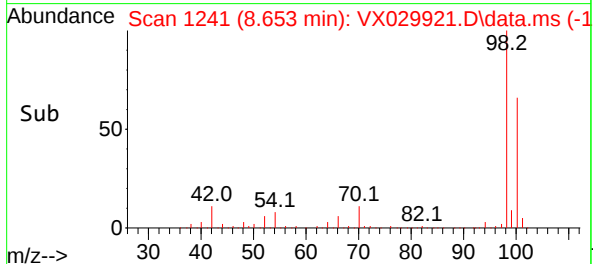
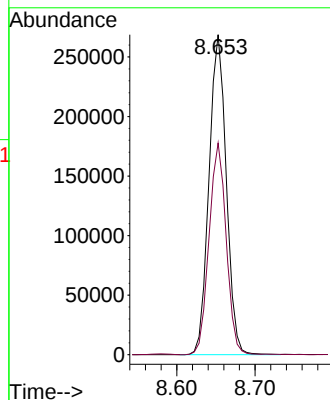
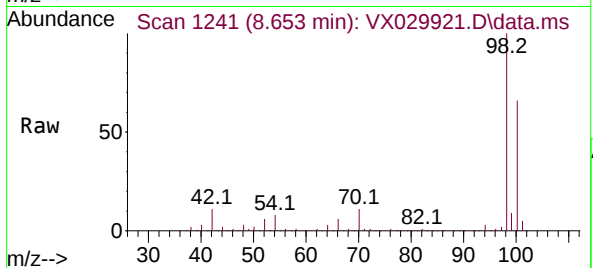
PB145991ZHE#07

Tgt Ion: 98 Resp: 411260

Ion Ratio Lower Upper

98 100

100 65.7 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 12.369 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.031 min

Lab File: VX029921.D

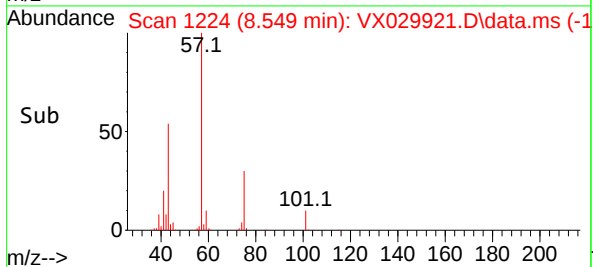
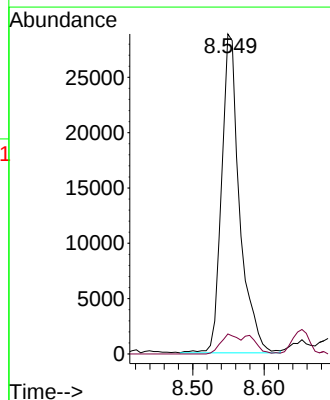
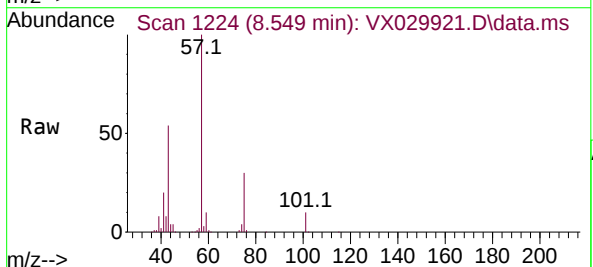
Acq: 05 Jul 2022 15:28

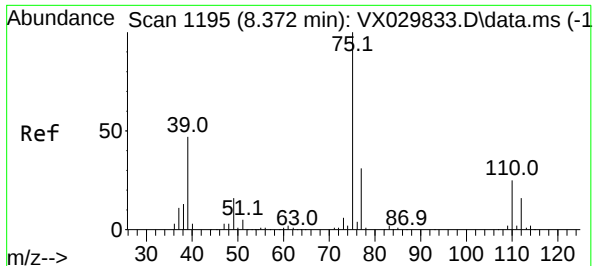
Tgt Ion: 43 Resp: 50560

Ion Ratio Lower Upper

43 100

58 6.4 31.4 47.2#





#54

cis-1,3-Dichloropropene

Concen: 6.359 ug/l

RT: 8.549 min Scan# 1195

Delta R.T. 0.177 min

Lab File: VX029921.D

Acq: 05 Jul 2022 15:28

Instrument :

MSVOA_X

ClientSampleId :

PB145991ZHE#07

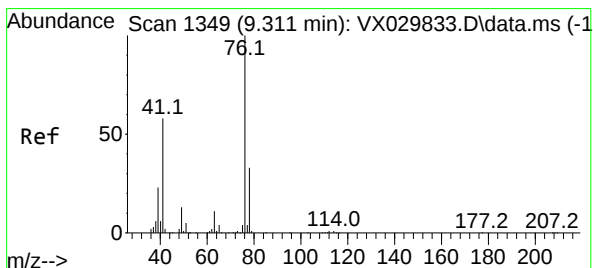
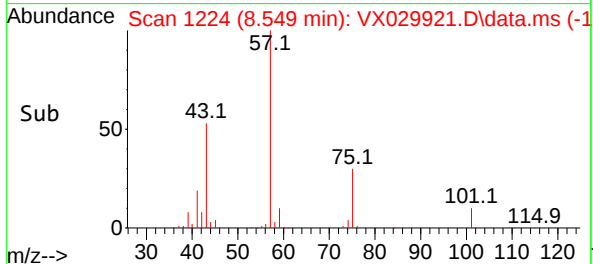
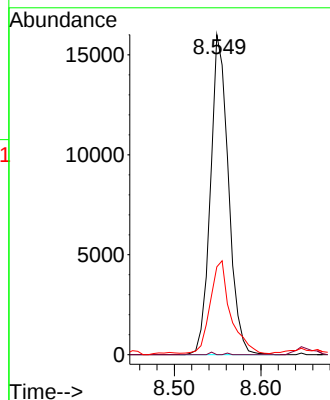
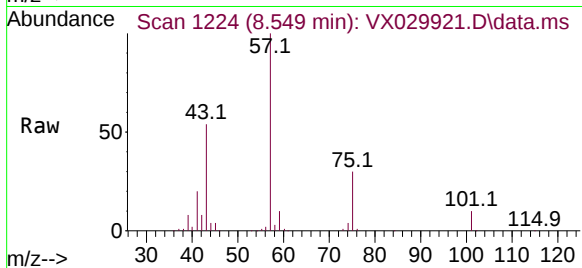
Tgt Ion: 75 Resp: 23085

Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.4#

39 27.0 37.5 56.3#



#57

1,3-Dichloropropane

Concen: 0.799 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.177 min

Lab File: VX029921.D

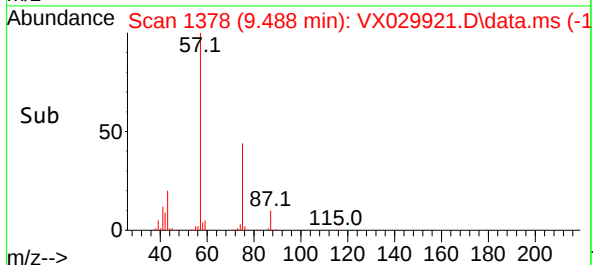
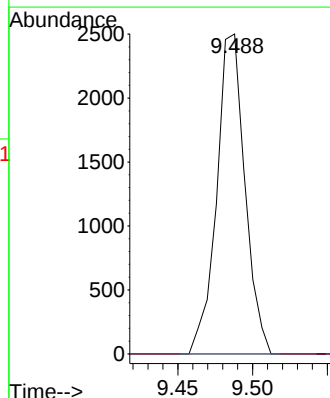
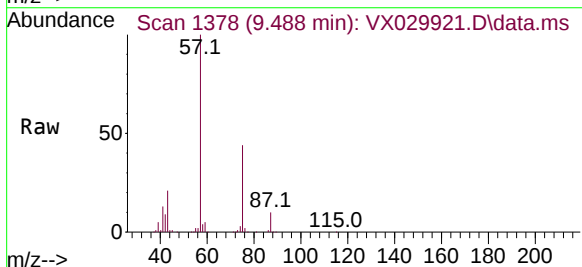
Acq: 05 Jul 2022 15:28

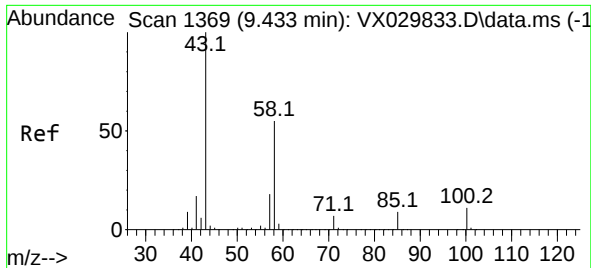
Tgt Ion: 76 Resp: 3290

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#





#59

2-Hexanone

Concen: 12.588 ug/l

RT: 9.488 min Scan# 11

Delta R.T. 0.055 min

Lab File: VX029921.D

Acq: 05 Jul 2022 15:28

Instrument :

MSVOA_X

ClientSampleId :

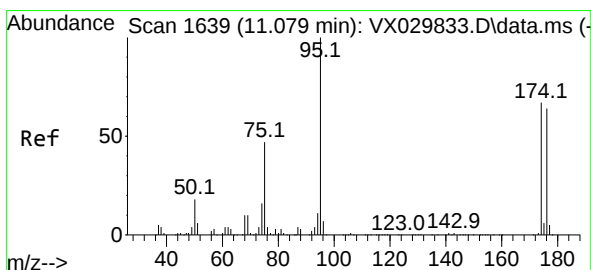
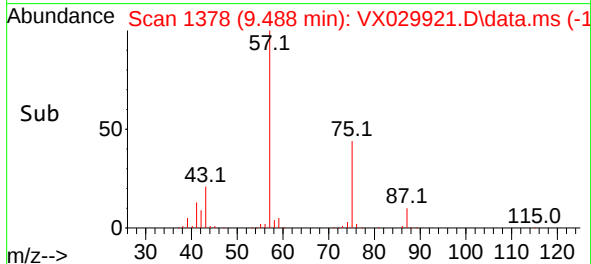
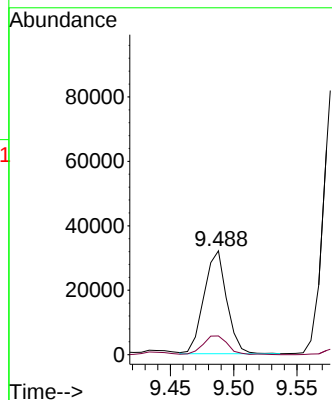
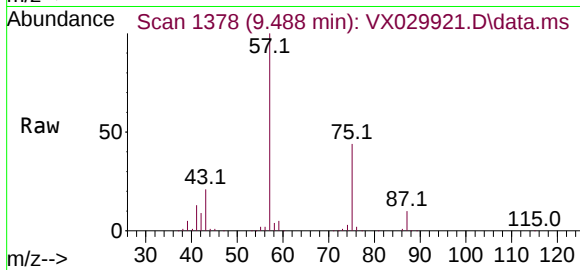
PB145991ZHE#07

Tgt Ion: 43 Resp: 39930

Ion Ratio Lower Upper

43 100

58 20.2 27.6 82.8#



#62

4-Bromofluorobenzene

Concen: 45.623 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX029921.D

Acq: 05 Jul 2022 15:28

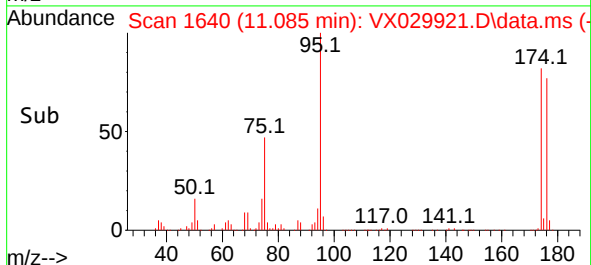
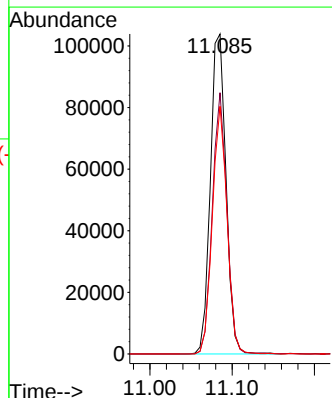
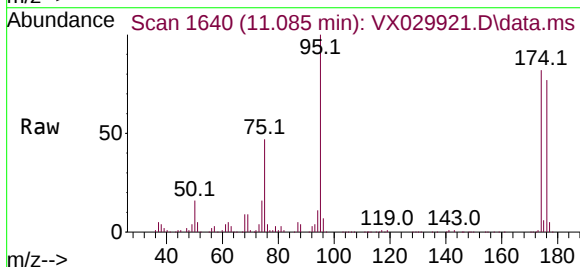
Tgt Ion: 95 Resp: 136913

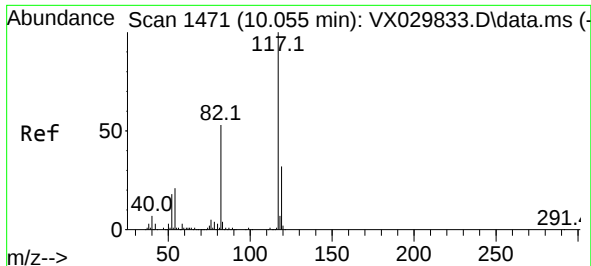
Ion Ratio Lower Upper

95 100

174 76.5 0.0 149.0

176 73.0 0.0 146.0

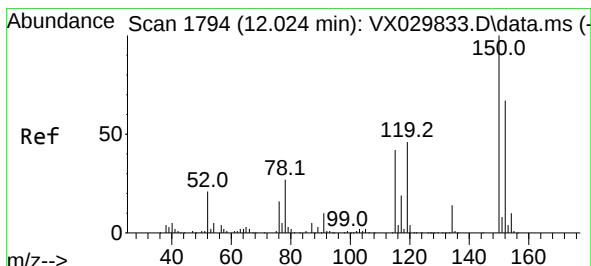
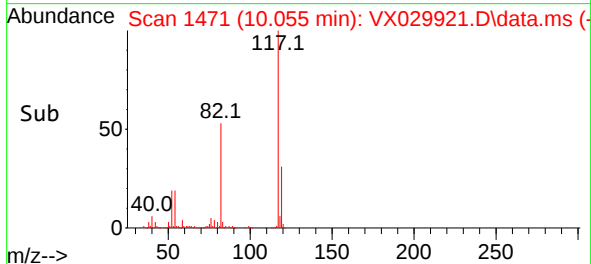
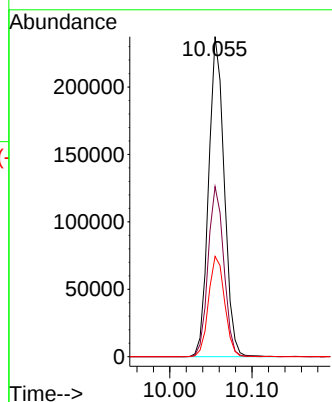
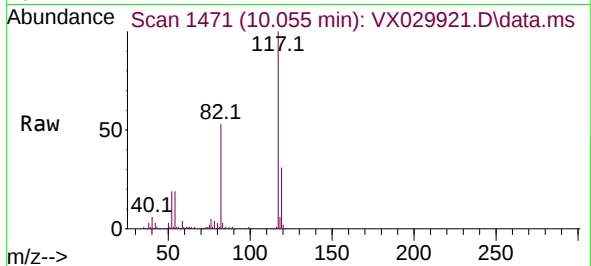




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029921.D
Acq: 05 Jul 2022 15:28

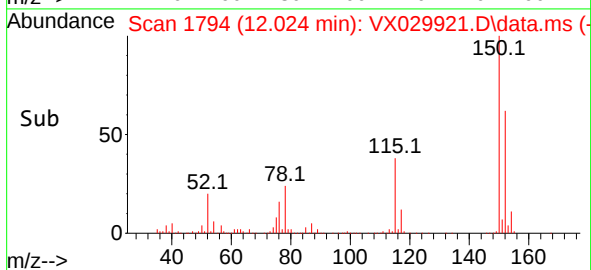
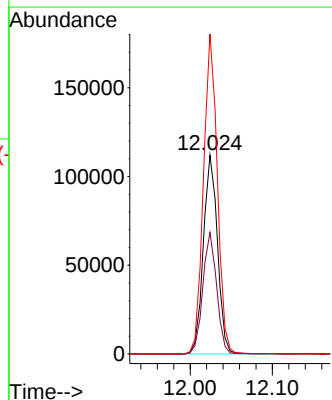
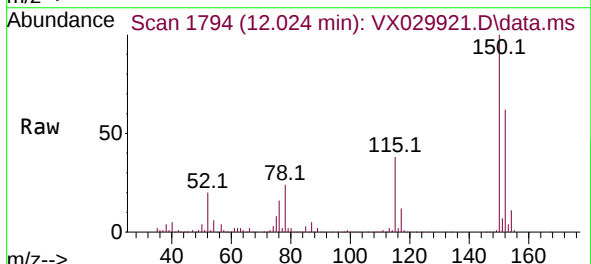
Instrument :
MSVOA_X
ClientSampleId :
PB145991ZHE#07

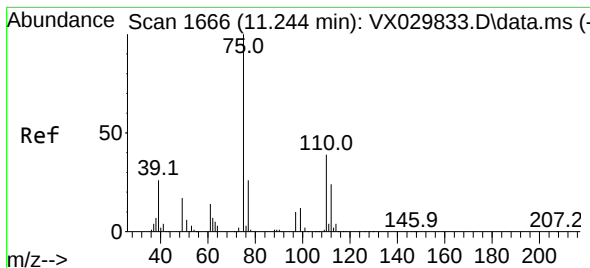
Tgt Ion:117 Resp: 312888
Ion Ratio Lower Upper
117 100
82 53.2 42.7 64.1
119 31.4 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX029921.D
Acq: 05 Jul 2022 15:28

Tgt Ion:152 Resp: 133358
Ion Ratio Lower Upper
152 100
115 59.7 40.5 121.5
150 158.2 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 20.146 ug/l

RT: 11.085 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX029921.D

Acq: 05 Jul 2022 15:28

Instrument :

MSVOA_X

ClientSampleId :

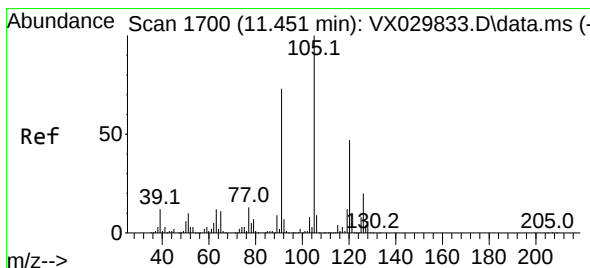
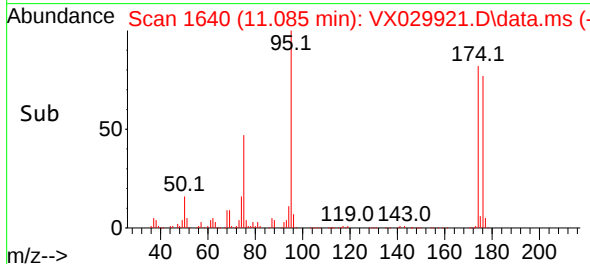
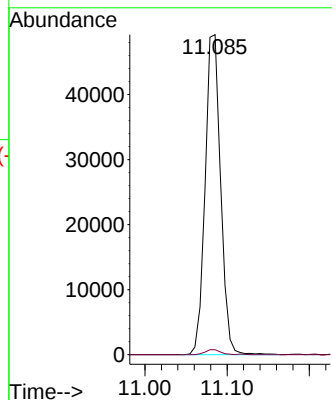
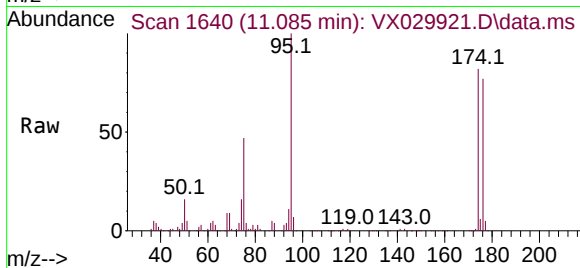
PB145991ZHE#07

Tgt Ion: 75 Resp: 64315

Ion Ratio Lower Upper

75 100

77 1.5 19.8 59.3#



#80

1,3,5-Trimethylbenzene

Concen: 0.223 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VX029921.D

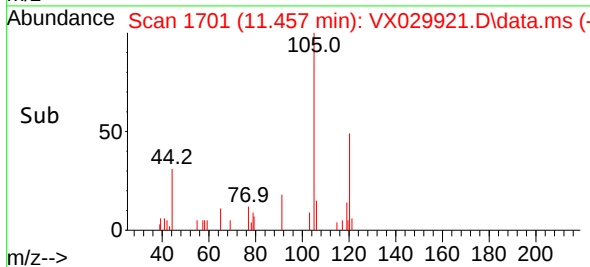
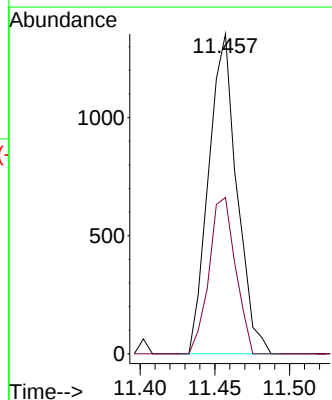
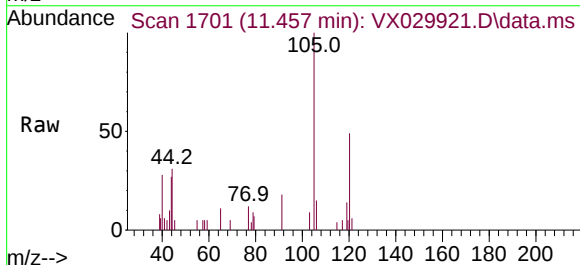
Acq: 05 Jul 2022 15:28

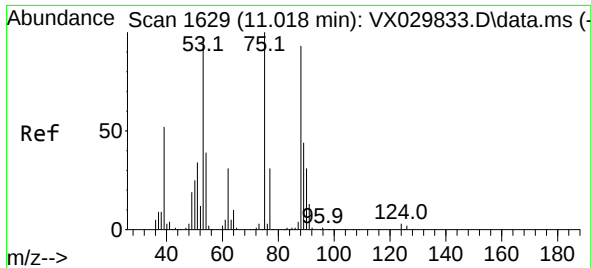
Tgt Ion: 105 Resp: 1783

Ion Ratio Lower Upper

105 100

120 45.7 24.4 73.2





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.980 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX029921.D
 Acq: 05 Jul 2022 15:28

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145991ZHE#07

Tgt Ion: 75 Resp: 64315
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.1 34.8 52.2#

