

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070522\
 Data File : VX029914.D
 Acq On : 05 Jul 2022 12:44
 Operator : JC/MD
 Sample : PB145991TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145991TB

Quant Time: Jul 06 06:53:53 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)

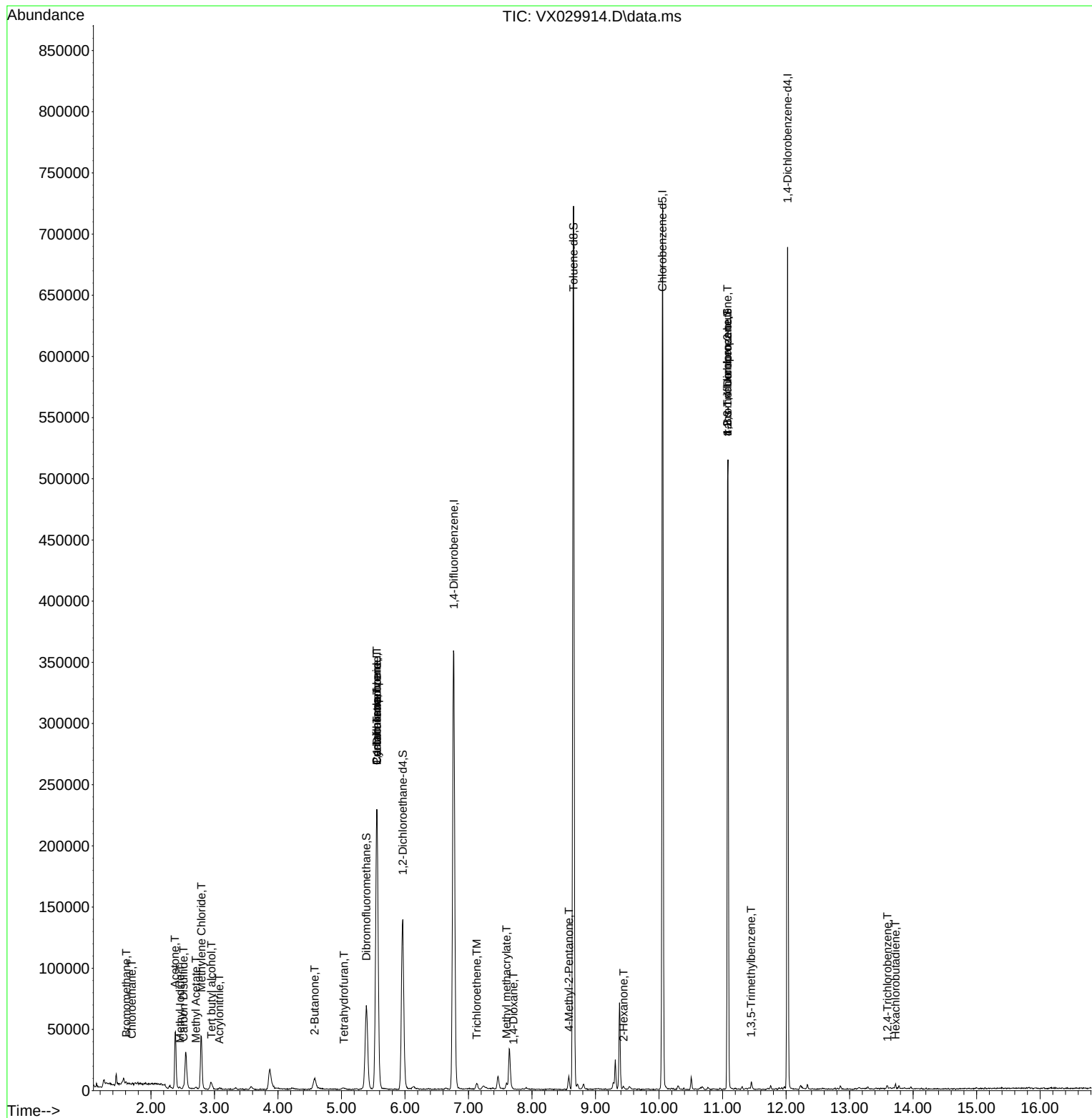
Internal Standards						
1) Pentafluorobenzene	5.556	168	227903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	389570	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	331486	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	140351	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	121852	42.238	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	84.480%		
35) Dibromofluoromethane	5.391	113	59729	24.533	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	49.060%#		
50) Toluene-d8	8.653	98	440006	48.176	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.360%		
62) 4-Bromofluorobenzene	11.079	95	141376	43.790	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.580%		
Target Compounds					Qvalue	
5) Bromomethane	1.612	94	561	0.400	ug/l #	66
6) Chloroethane	1.697	64	671	1.387	ug/l #	67
10) Methyl Iodide	2.459	142	1206	2.244	ug/l #	95
11) Tert butyl alcohol	2.953	59	3907	5.179	ug/l #	77
13) Acrolein	2.239	56	278	Below Cal	#	14
15) Acrylonitrile	3.075	53	524	0.298	ug/l #	68
16) Acetone	2.380	43	49812	35.293	ug/l	96
17) Carbon Disulfide	2.514	76	2451	0.420	ug/l #	84
18) Methyl Acetate	2.709	43	2265	0.521	ug/l #	88
20) Methylene Chloride	2.794	84	20787	6.974	ug/l #	92
25) 2-Butanone	4.574	43	5991	2.446	ug/l #	81
29) Tetrahydrofuran	5.038	42	1143	0.709	ug/l #	46
31) Cyclohexane	5.556	56	4593	1.142	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	16130	4.981	ug/l #	48
38) Carbon Tetrachloride	5.556	117	21304	7.593	ug/l #	19
44) Trichloroethene	7.129	130	1623	0.576	ug/l	90
48) Methyl methacrylate	7.598	41	6901	2.183	ug/l #	20
49) 1,4-Dioxane	7.708	88	48	0.641	ug/l #	25
51) 4-Methyl-2-Pentanone	8.580	43	6425	1.461	ug/l	93
59) 2-Hexanone	9.439	43	1677	0.491	ug/l	85
76) 1,2,3-Trichloropropane	11.079	75	67726	20.158	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	2238	0.265	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	67726	64.016	ug/l #	13
93) 1,2,4-Trichlorobenzene	13.597	180	591	0.212	ug/l	87
94) Hexachlorobutadiene	13.725	225	498	0.482	ug/l	93

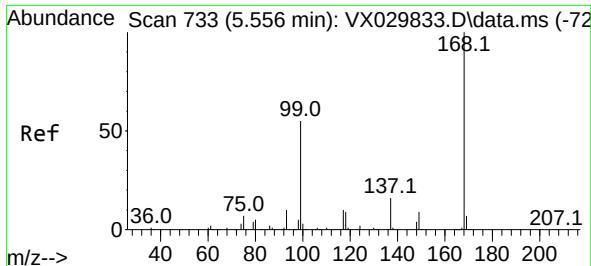
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070522\
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Instrument :
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ClientSampleId :
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Quant Time: Jul 06 06:53:53 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

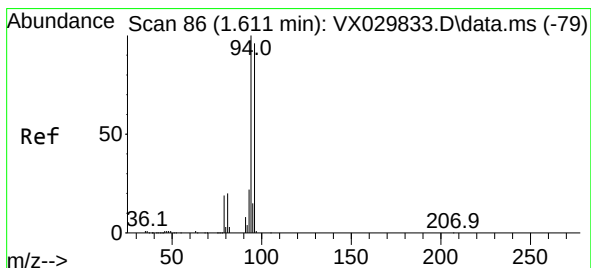
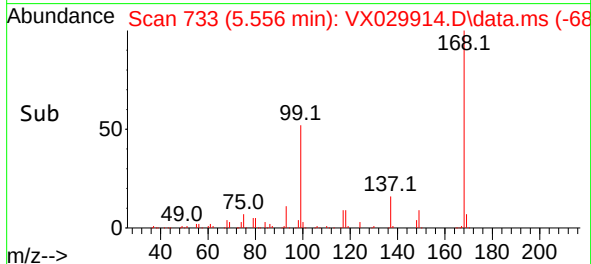
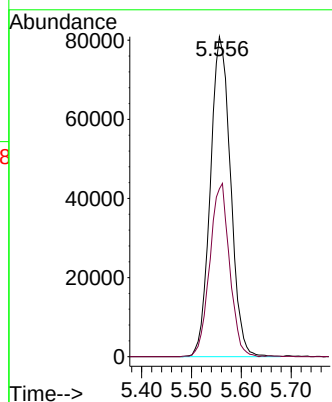
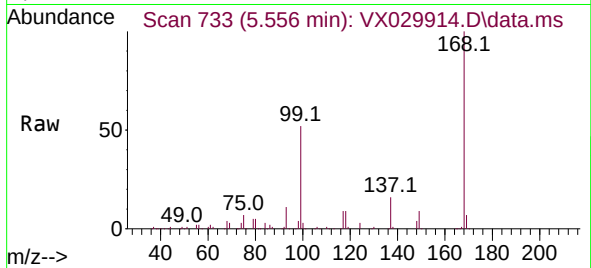




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029914.D
Acq: 05 Jul 2022 12:44

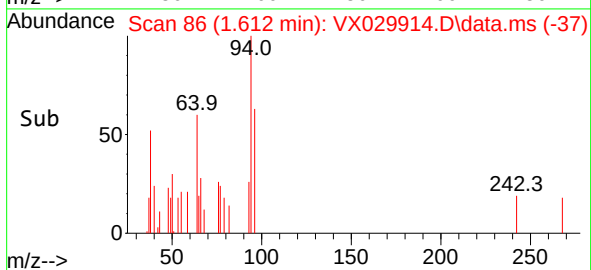
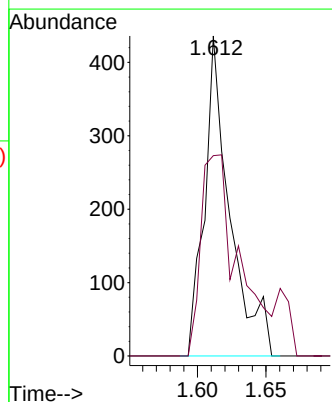
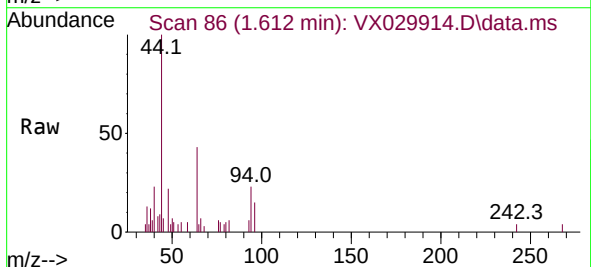
Instrument :
MSVOA_X
ClientSampleId :
PB145991TB

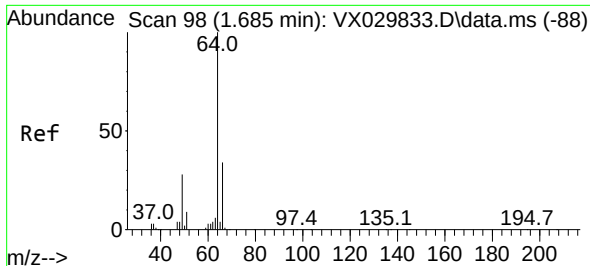
Tgt Ion:168 Resp: 227903
Ion Ratio Lower Upper
168 100
99 52.5 44.0 66.0



#5
Bromomethane
Concen: 0.400 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX029914.D
Acq: 05 Jul 2022 12:44

Tgt Ion: 94 Resp: 561
Ion Ratio Lower Upper
94 100
96 62.6 76.9 115.3#

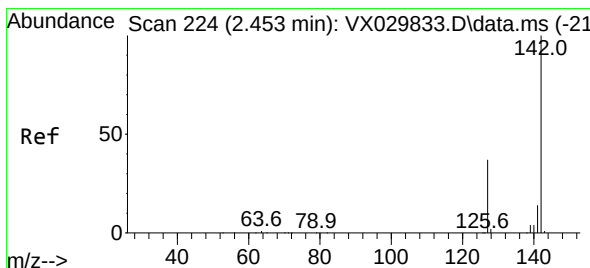
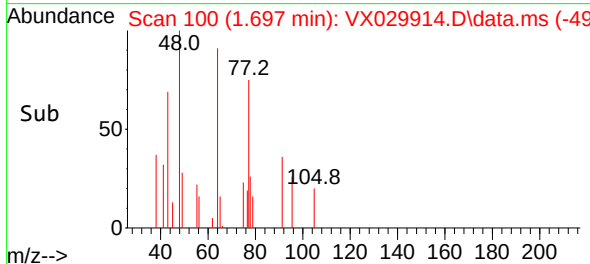
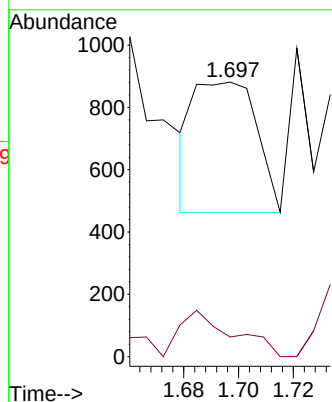
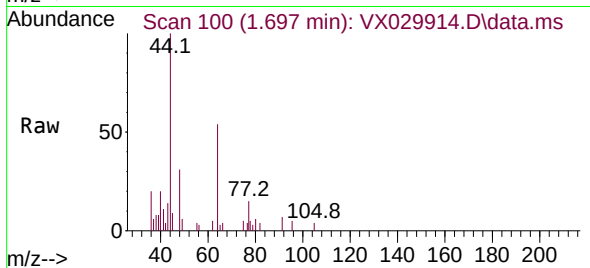




#6
Chloroethane
Concen: 1.387 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX029914.D
Acq: 05 Jul 2022 12:44

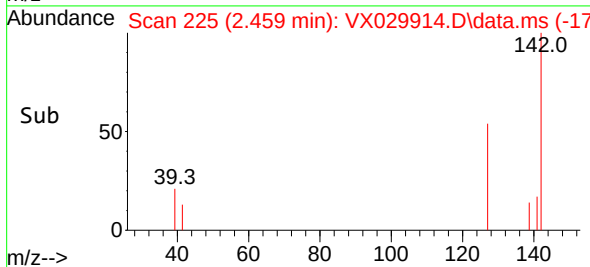
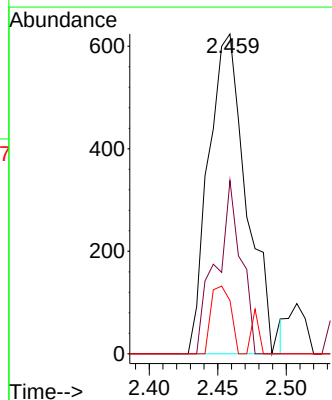
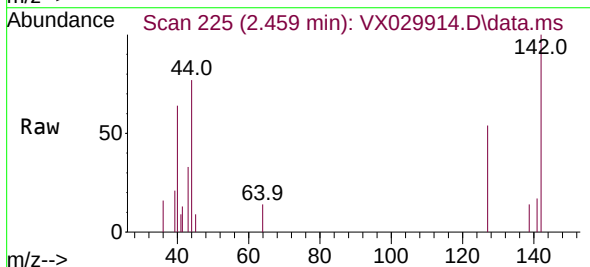
Instrument :
MSVOA_X
ClientSampleId :
PB145991TB

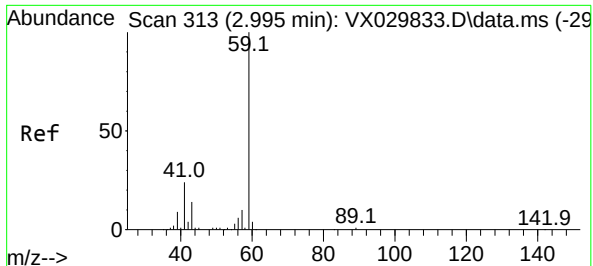
Tgt Ion: 64 Resp: 671
Ion Ratio Lower Upper
64 100
66 15.1 27.2 40.8#



#10
Methyl Iodide
Concen: 2.244 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX029914.D
Acq: 05 Jul 2022 12:44

Tgt Ion: 142 Resp: 1206
Ion Ratio Lower Upper
142 100
127 35.5 30.2 45.2
141 10.9 11.3 16.9#

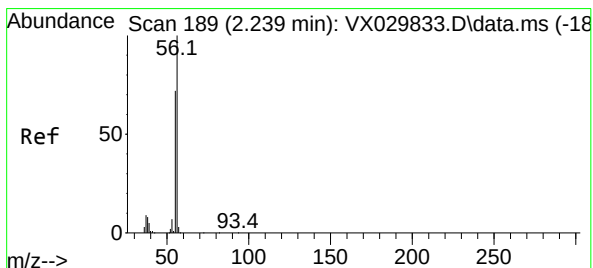
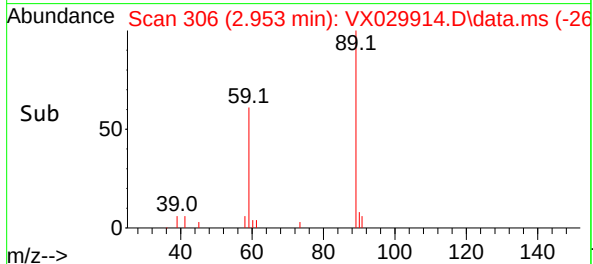
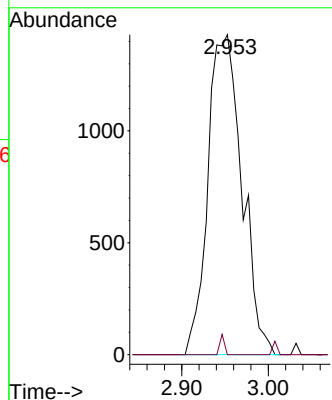
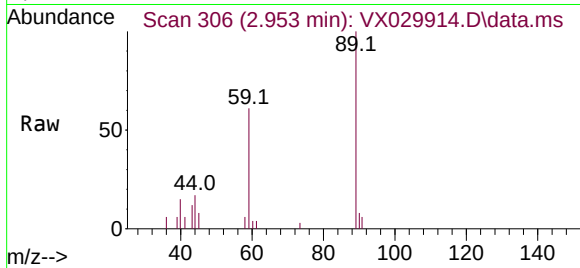




#11
Tert butyl alcohol
Concen: 5.179 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.043 min
Lab File: VX029914.D
Acq: 05 Jul 2022 12:44

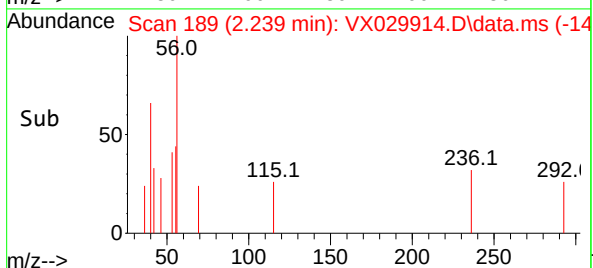
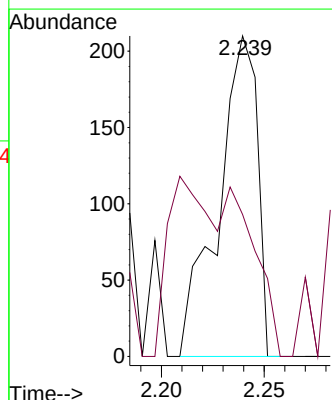
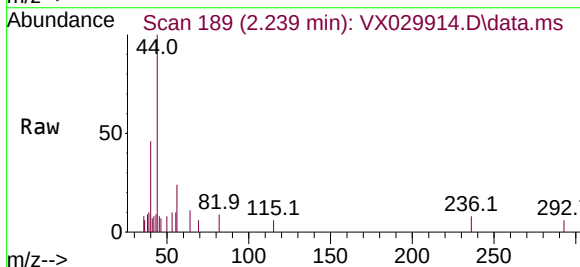
Instrument :
MSVOA_X
ClientSampleId :
PB145991TB

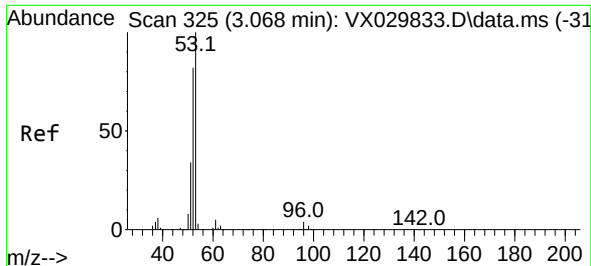
Tgt Ion: 59 Resp: 3907
Ion Ratio Lower Upper
59 100
57 0.8 7.4 11.2#



#13
Acrolein
Concen: Below Cal
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX029914.D
Acq: 05 Jul 2022 12:44

Tgt Ion: 56 Resp: 278
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#





#15

Acrylonitrile

Concen: 0.298 ug/l

RT: 3.075 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX029914.D

Acq: 05 Jul 2022 12:44

Instrument :

MSVOA_X

ClientSampleId :

PB145991TB

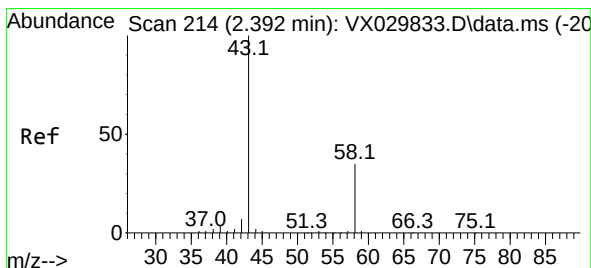
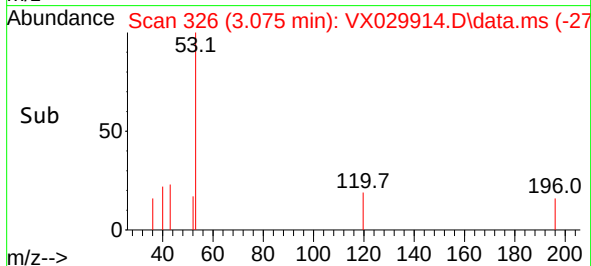
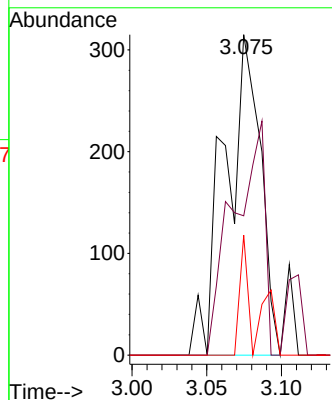
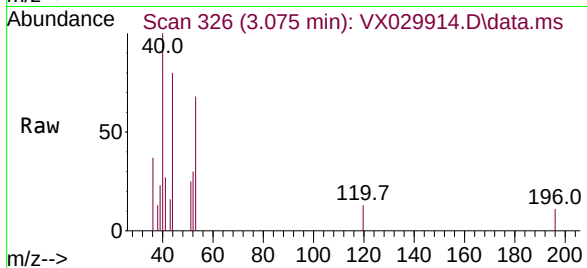
Tgt Ion: 53 Resp: 524

Ion Ratio Lower Upper

53 100

52 63.7 65.4 98.0#

51 0.0 27.7 41.5#



#16

Acetone

Concen: 35.293 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.012 min

Lab File: VX029914.D

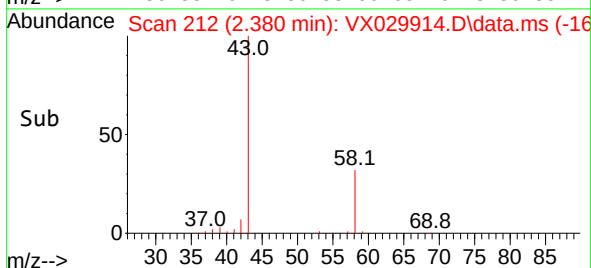
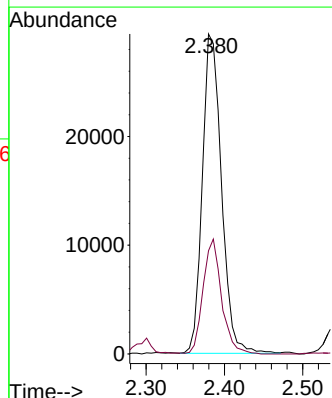
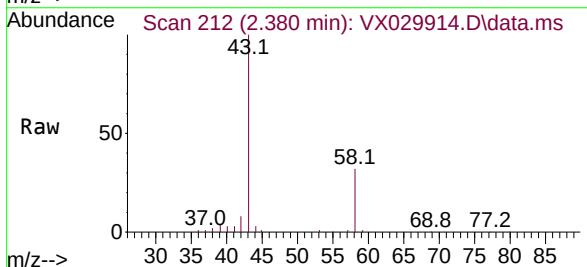
Acq: 05 Jul 2022 12:44

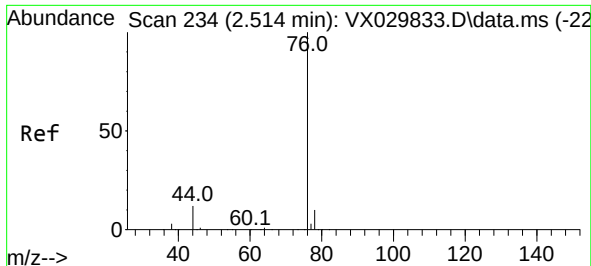
Tgt Ion: 43 Resp: 49812

Ion Ratio Lower Upper

43 100

58 32.3 27.7 41.5

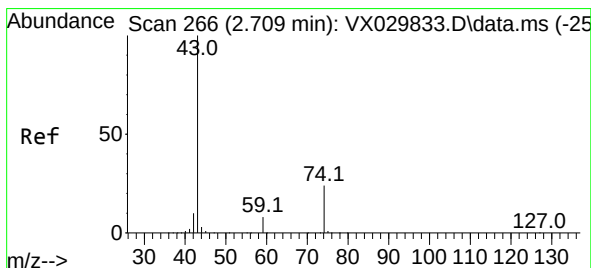
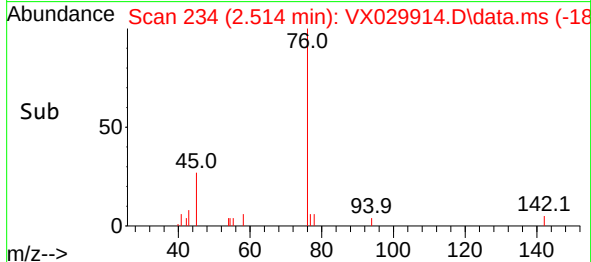
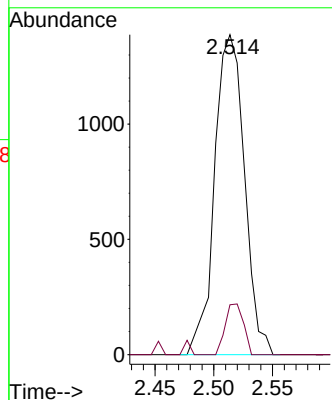
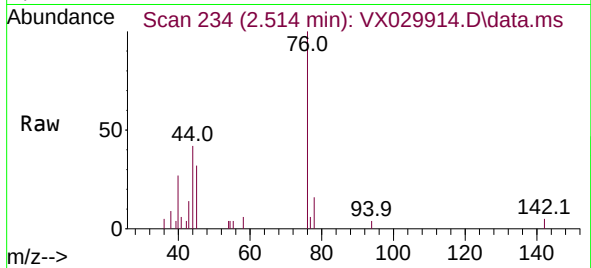




#17
Carbon Disulfide
Concen: 0.420 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX029914.D
Acq: 05 Jul 2022 12:44

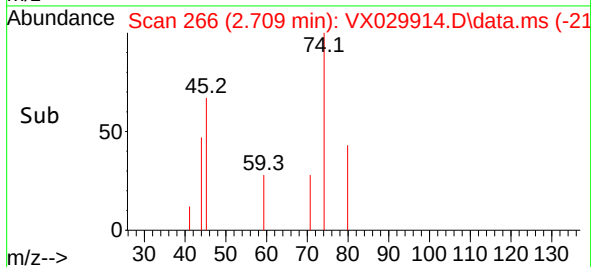
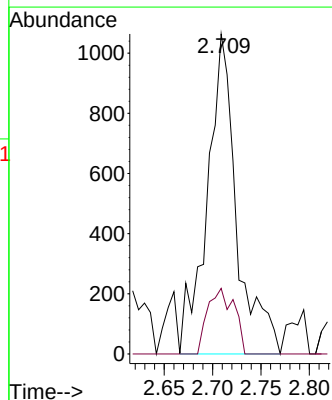
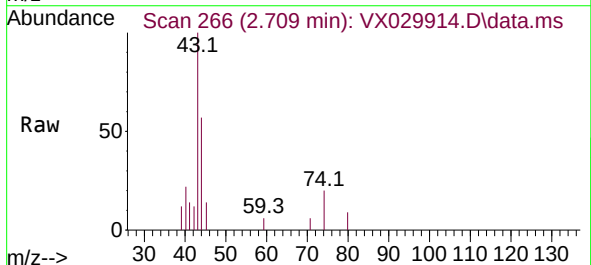
Instrument :
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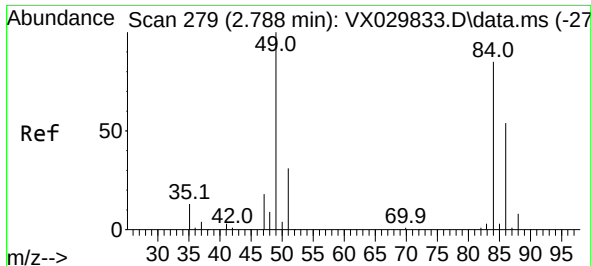
Tgt Ion: 76 Resp: 2451
Ion Ratio Lower Upper
76 100
78 15.6 7.8 11.6#



#18
Methyl Acetate
Concen: 0.521 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX029914.D
Acq: 05 Jul 2022 12:44

Tgt Ion: 43 Resp: 2265
Ion Ratio Lower Upper
43 100
74 18.3 19.4 29.2#





#20

Methylene Chloride

Concen: 6.974 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX029914.D

Acq: 05 Jul 2022 12:44

Instrument :

MSVOA_X

ClientSampleId :

PB145991TB

Tgt Ion: 84 Resp: 20787

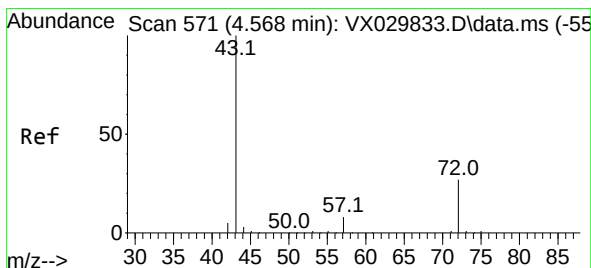
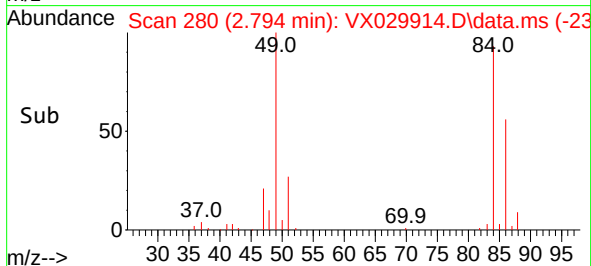
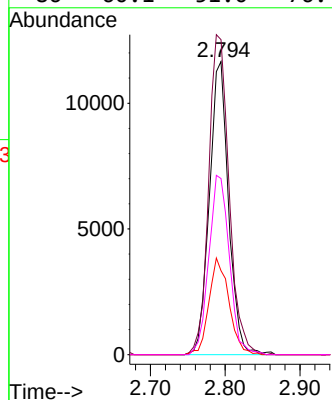
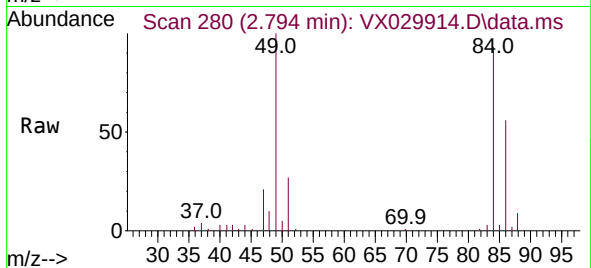
Ion Ratio Lower Upper

84 100

49 107.4 93.8 140.6

51 28.6 29.4 44.0#

86 60.1 51.0 76.4



#25

2-Butanone

Concen: 2.446 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX029914.D

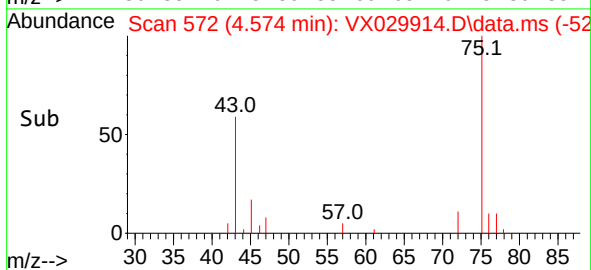
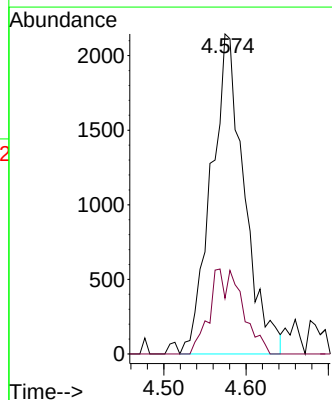
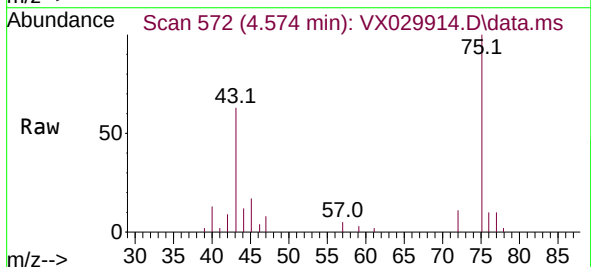
Acq: 05 Jul 2022 12:44

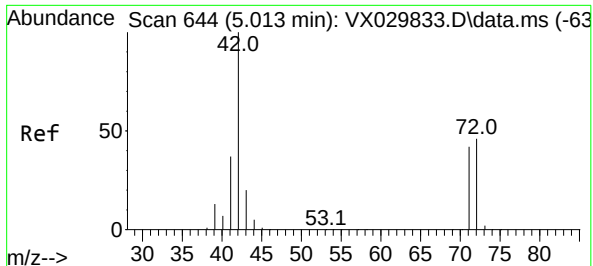
Tgt Ion: 43 Resp: 5991

Ion Ratio Lower Upper

43 100

72 17.4 21.7 32.5#





#29

Tetrahydrofuran

Concen: 0.709 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.025 min

Lab File: VX029914.D

Acq: 05 Jul 2022 12:44

Instrument :

MSVOA_X

ClientSampleId :

PB145991TB

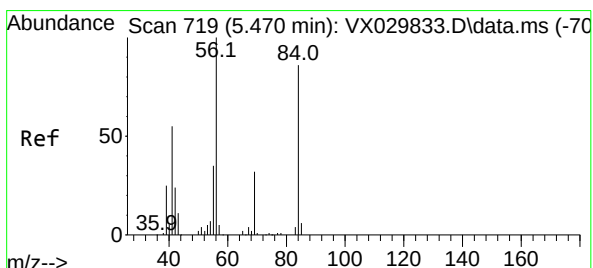
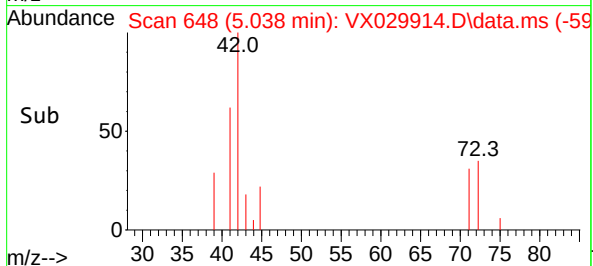
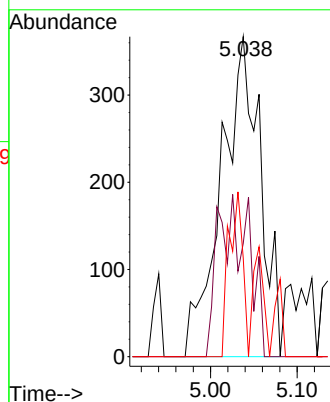
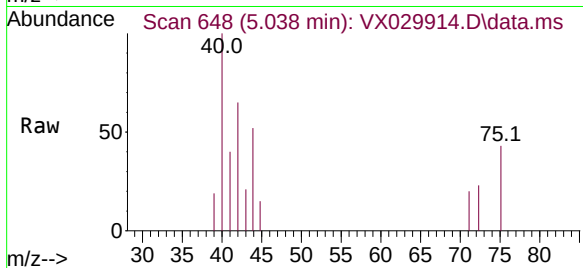
Tgt Ion: 42 Resp: 1143

Ion Ratio Lower Upper

42 100

72 0.0 36.5 54.7#

71 18.4 33.9 50.9#



#31

Cyclohexane

Concen: 1.142 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX029914.D

Acq: 05 Jul 2022 12:44

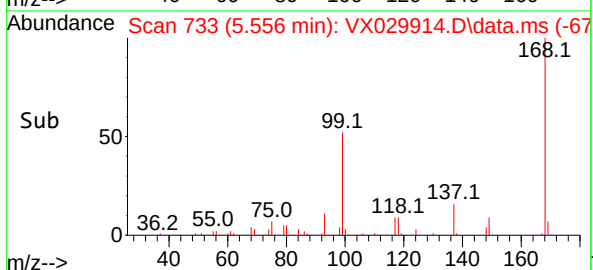
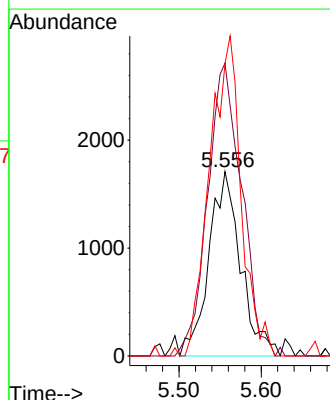
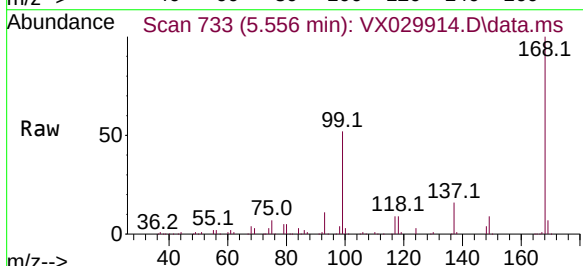
Tgt Ion: 56 Resp: 4593

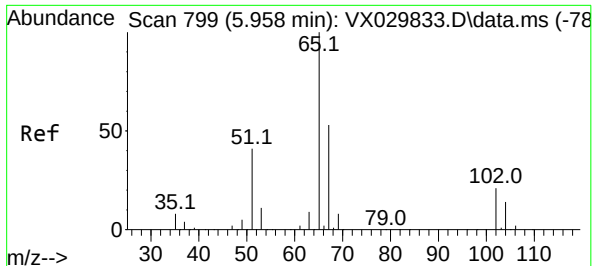
Ion Ratio Lower Upper

56 100

69 155.1 25.4 38.0#

84 158.6 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 42.238 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX029914.D

Acq: 05 Jul 2022 12:44

Instrument :

MSVOA_X

ClientSampleId :

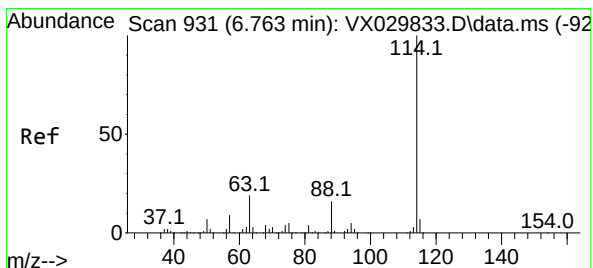
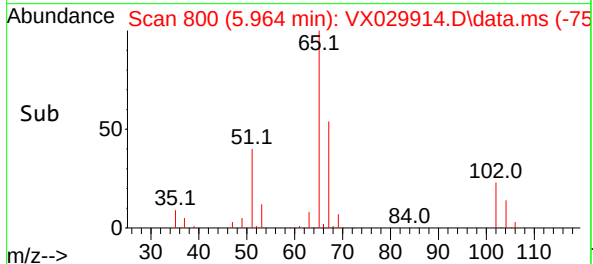
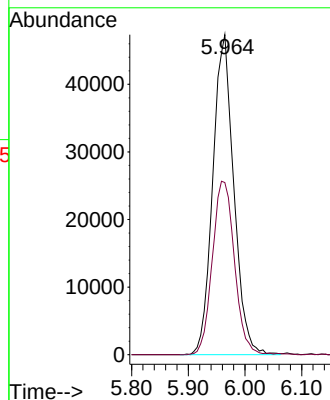
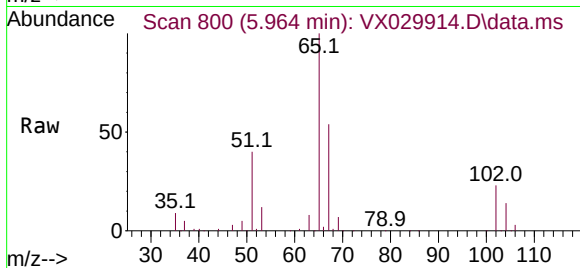
PB145991TB

Tgt Ion: 65 Resp: 121852

Ion Ratio Lower Upper

65 100

67 57.0 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: VX029914.D

Acq: 05 Jul 2022 12:44

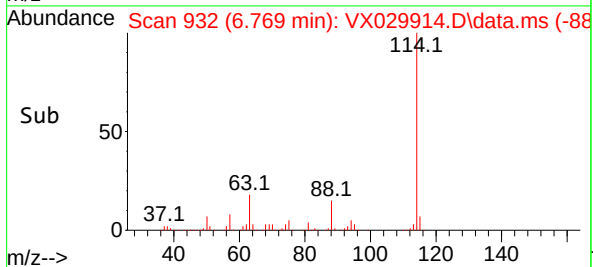
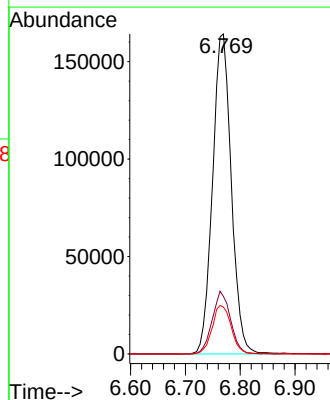
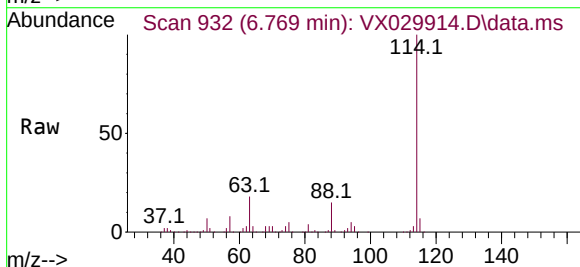
Tgt Ion: 114 Resp: 389570

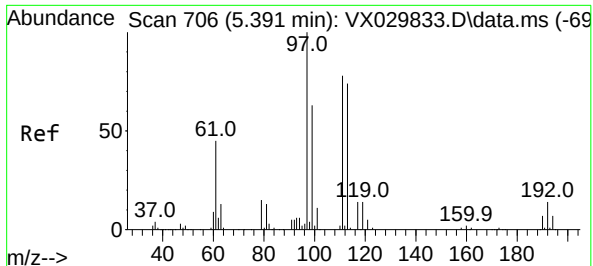
Ion Ratio Lower Upper

114 100

63 18.0 0.0 38.4

88 14.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 24.533 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX029914.D

Acq: 05 Jul 2022 12:44

Instrument :

MSVOA_X

ClientSampleId :

PB145991TB

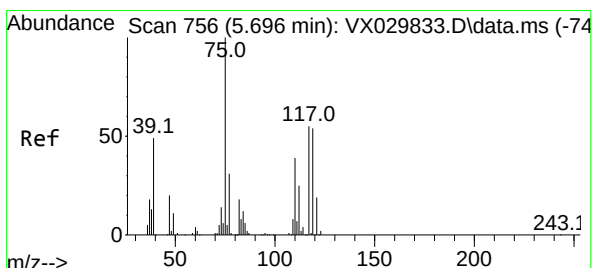
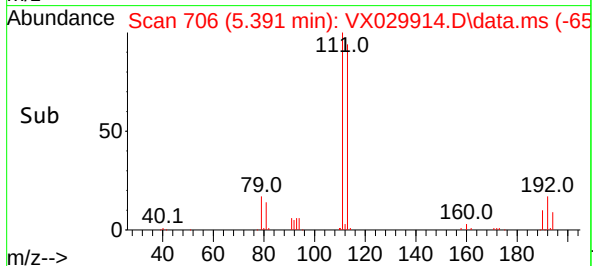
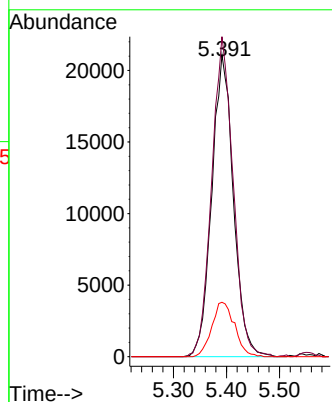
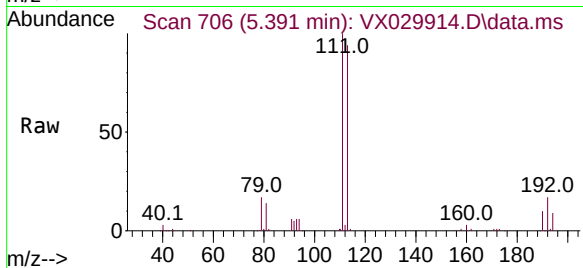
Tgt Ion:113 Resp: 59729

Ion Ratio Lower Upper

113 100

111 105.3 83.2 124.8

192 19.0 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.981 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX029914.D

Acq: 05 Jul 2022 12:44

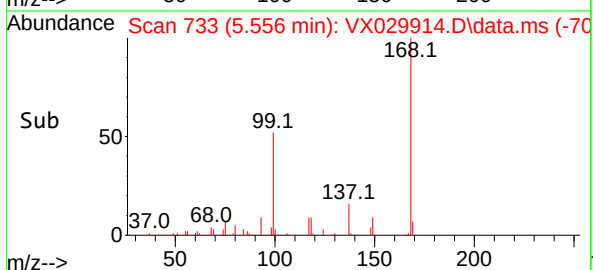
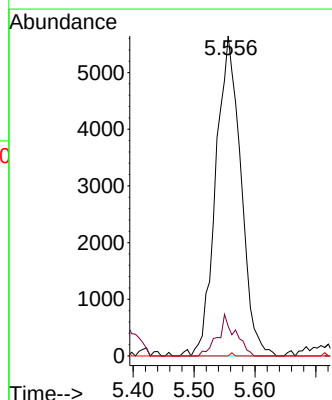
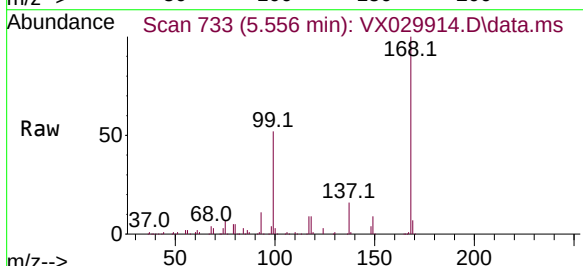
Tgt Ion: 75 Resp: 16130

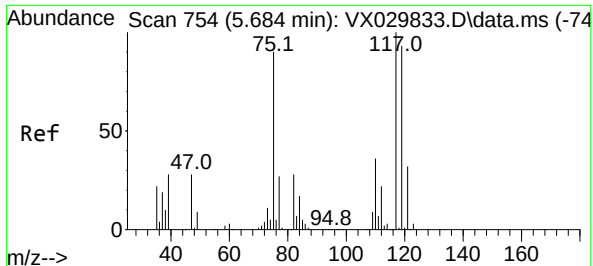
Ion Ratio Lower Upper

75 100

110 9.3 19.3 57.9#

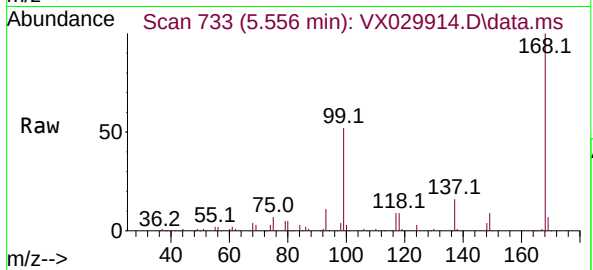
77 0.1 24.4 36.6#



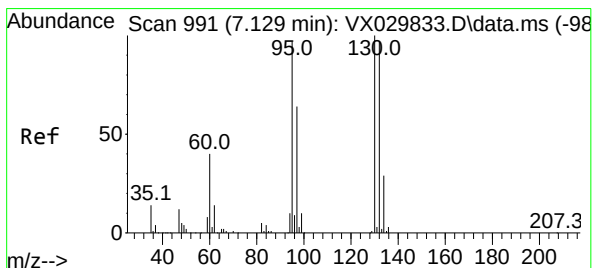
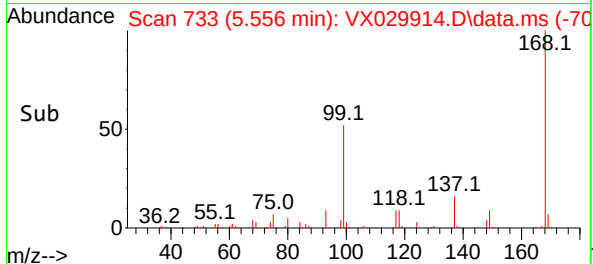
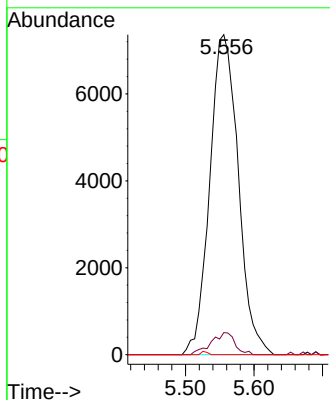


#38
Carbon Tetrachloride
Concen: 7.593 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX029914.D
Acq: 05 Jul 2022 12:44

Instrument :
MSVOA_X
ClientSampleId :
PB145991TB

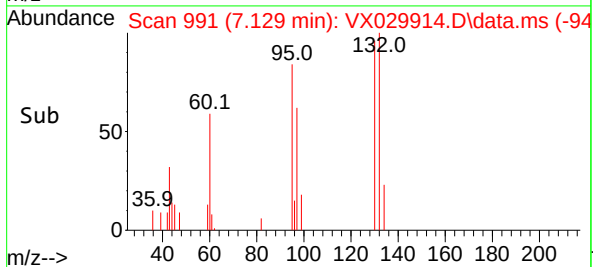
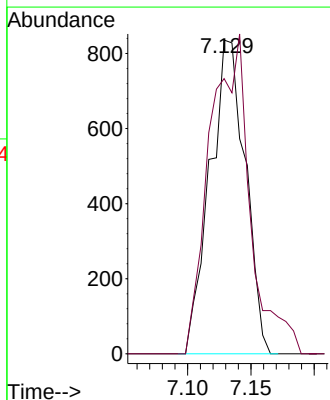
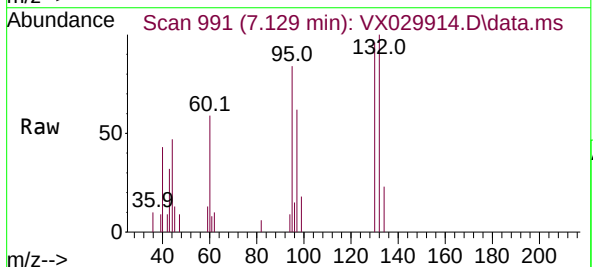


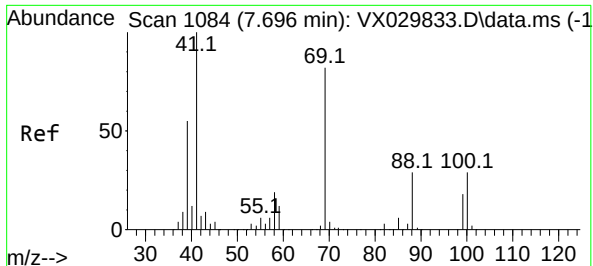
Tgt Ion:117 Resp: 21304
Ion Ratio Lower Upper
117 100
119 6.9 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 0.576 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX029914.D
Acq: 05 Jul 2022 12:44

Tgt Ion:130 Resp: 1623
Ion Ratio Lower Upper
130 100
95 87.7 0.0 194.8





#48

Methyl methacrylate

Concen: 2.183 ug/l

RT: 7.598 min Scan# 1068

Delta R.T. -0.097 min

Lab File: VX029914.D

Acq: 05 Jul 2022 12:44

Instrument :

MSVOA_X

ClientSampleId :

PB145991TB

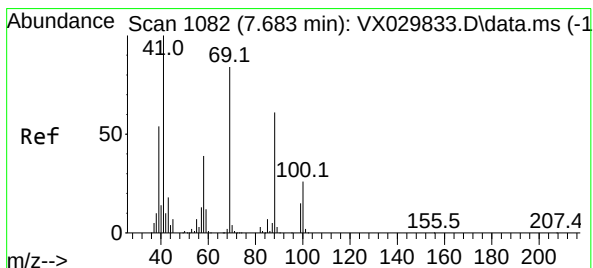
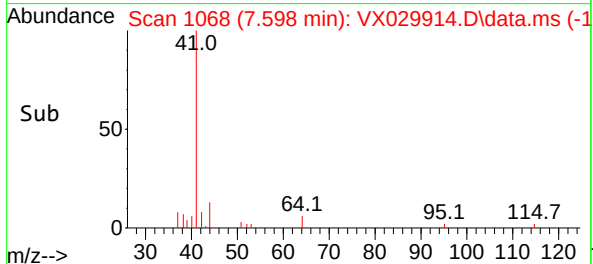
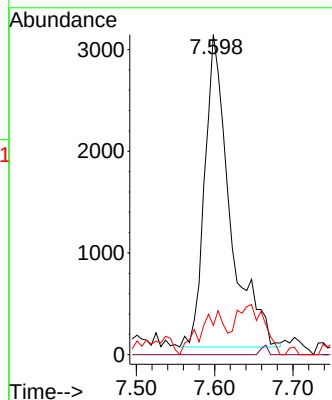
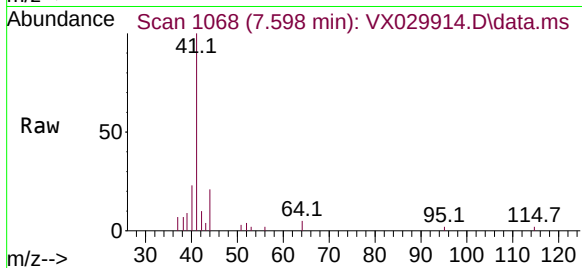
Tgt Ion: 41 Resp: 6901

Ion Ratio Lower Upper

41 100

69 0.0 68.8 103.2#

39 13.5 44.6 66.8#



#49

1,4-Dioxane

Concen: 0.641 ug/l

RT: 7.708 min Scan# 1086

Delta R.T. 0.025 min

Lab File: VX029914.D

Acq: 05 Jul 2022 12:44

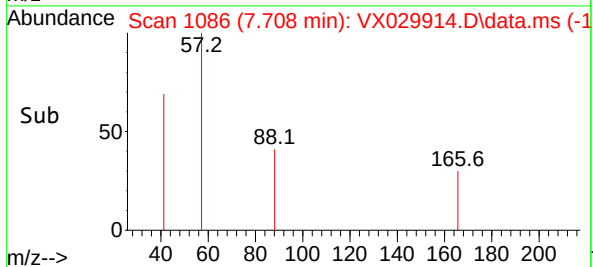
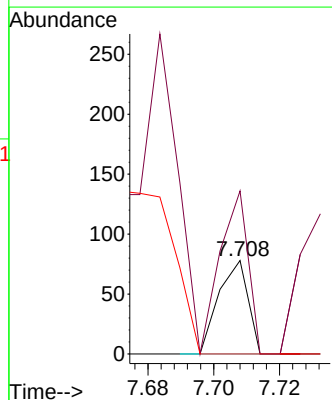
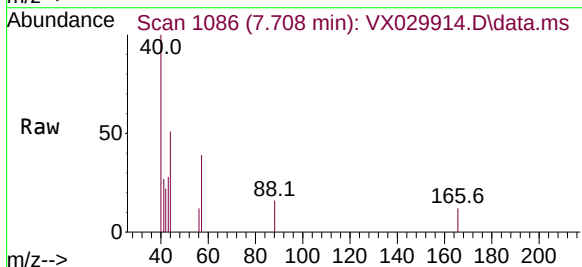
Tgt Ion: 88 Resp: 48

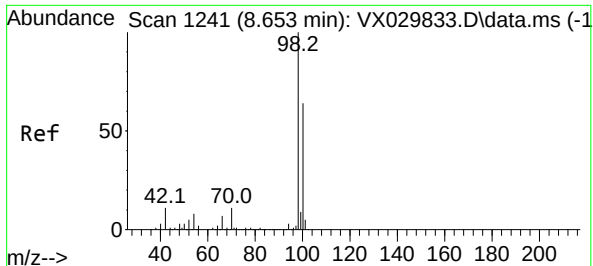
Ion Ratio Lower Upper

88 100

43 0.0 23.8 35.8#

58 0.0 53.8 80.6#

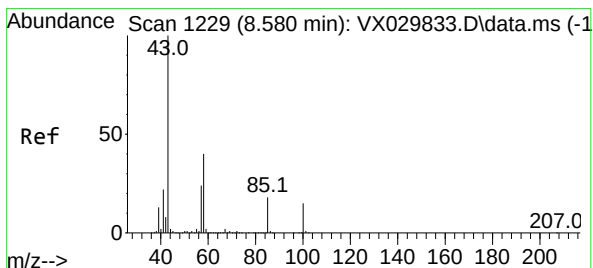
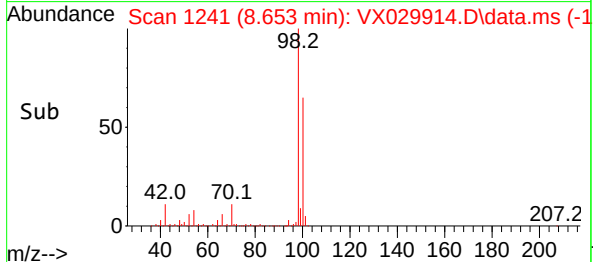
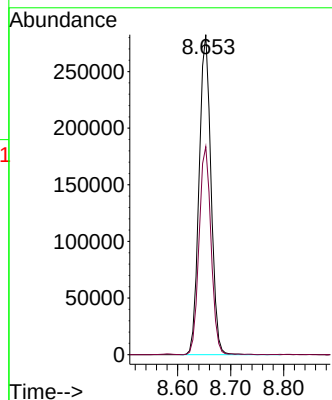
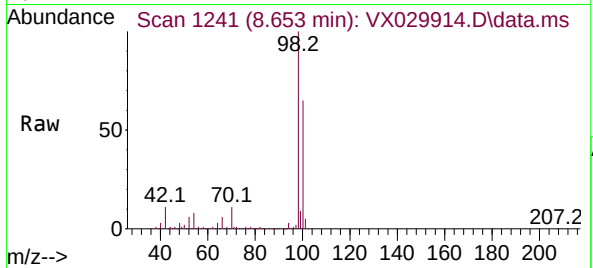




#50
Toluene-d8
Concen: 48.176 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX029914.D
Acq: 05 Jul 2022 12:44

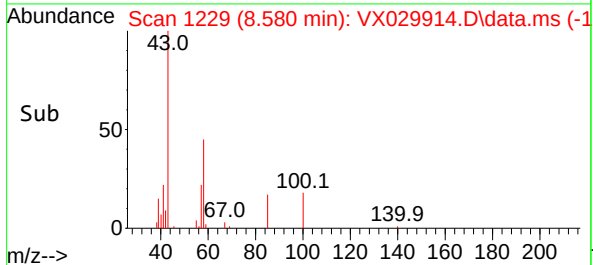
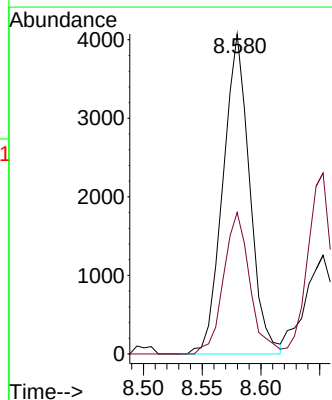
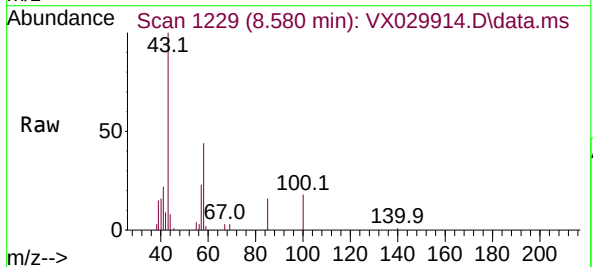
Instrument :
MSVOA_X
ClientSampleId :
PB145991TB

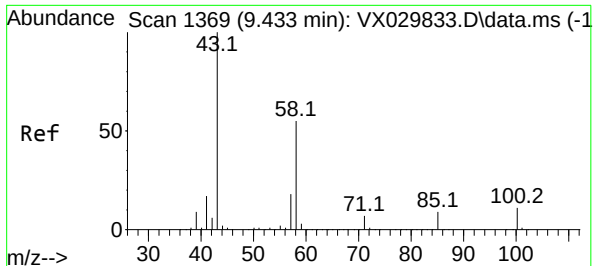
Tgt Ion: 98 Resp: 440006
Ion Ratio Lower Upper
98 100
100 65.5 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.461 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.000 min
Lab File: VX029914.D
Acq: 05 Jul 2022 12:44

Tgt Ion: 43 Resp: 6425
Ion Ratio Lower Upper
43 100
58 43.6 31.4 47.2





#59

2-Hexanone

Concen: 0.491 ug/l

RT: 9.439 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX029914.D

Acq: 05 Jul 2022 12:44

Instrument :

MSVOA_X

ClientSampleId :

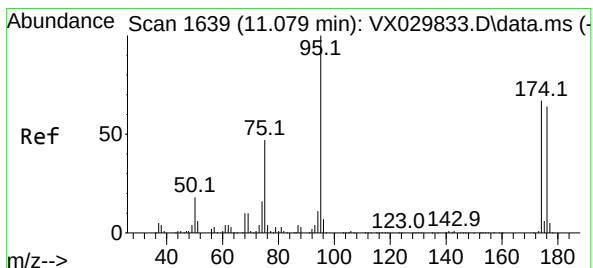
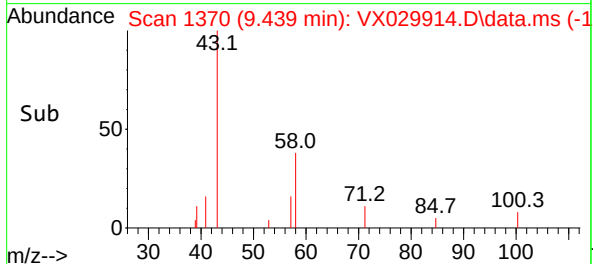
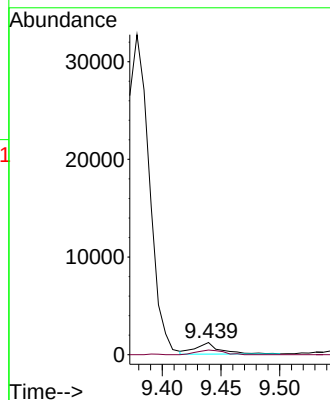
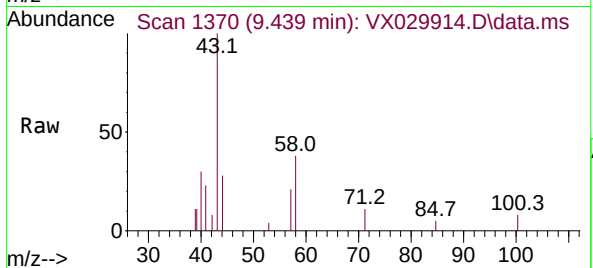
PB145991TB

Tgt Ion: 43 Resp: 1677

Ion Ratio Lower Upper

43 100

58 44.2 27.6 82.8



#62

4-Bromofluorobenzene

Concen: 43.790 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX029914.D

Acq: 05 Jul 2022 12:44

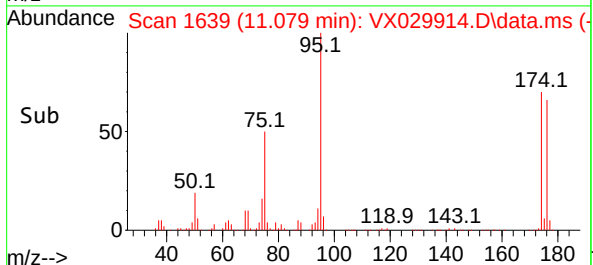
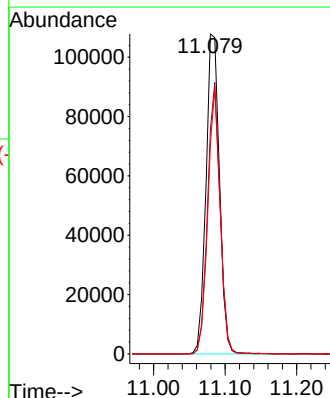
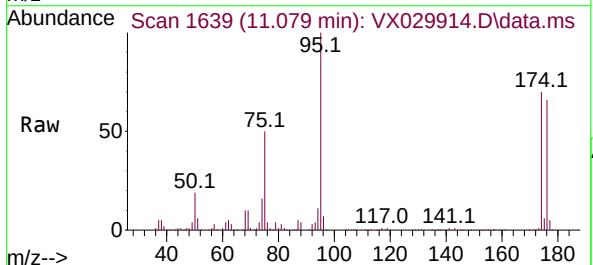
Tgt Ion: 95 Resp: 141376

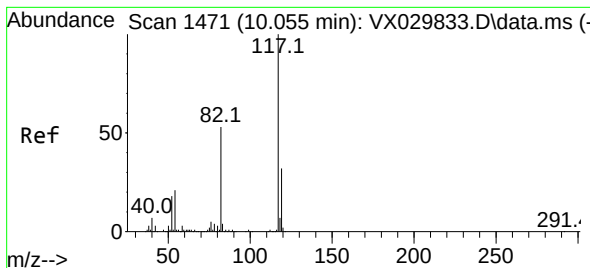
Ion Ratio Lower Upper

95 100

174 78.9 0.0 149.0

176 75.7 0.0 146.0

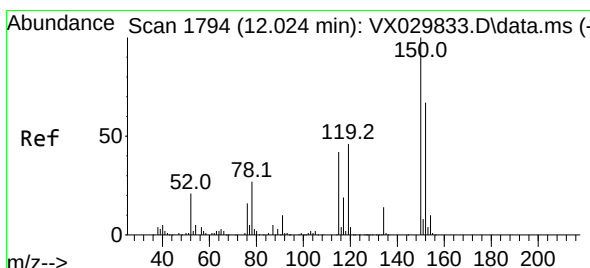
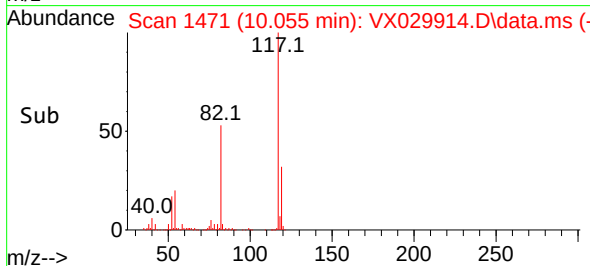
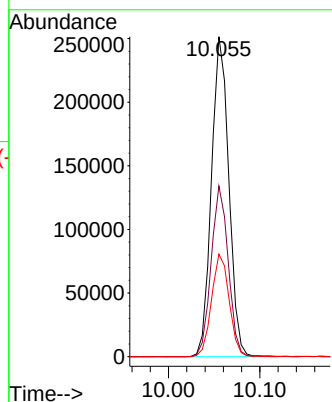
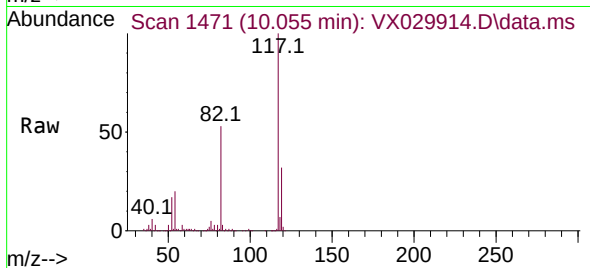




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029914.D
Acq: 05 Jul 2022 12:44

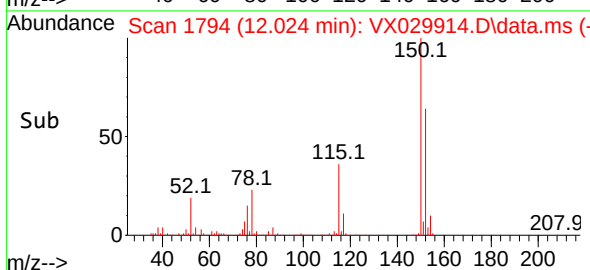
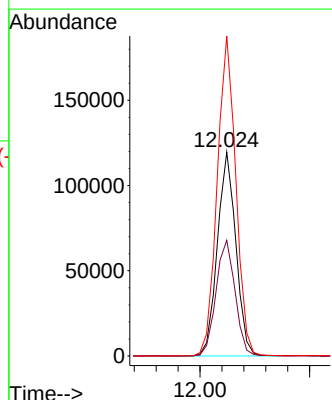
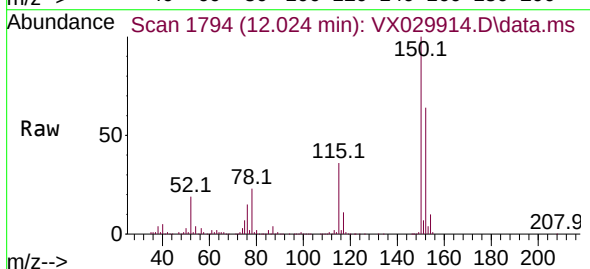
Instrument :
MSVOA_X
ClientSampleId :
PB145991TB

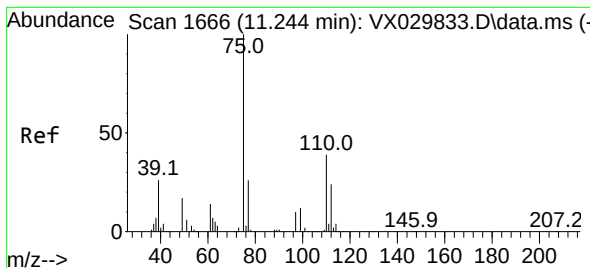
Tgt Ion:117 Resp: 331486
Ion Ratio Lower Upper
117 100
82 53.4 42.7 64.1
119 32.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029914.D
Acq: 05 Jul 2022 12:44

Tgt Ion:152 Resp: 140351
Ion Ratio Lower Upper
152 100
115 58.6 40.5 121.5
150 157.9 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 20.158 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.164 min

Lab File: VX029914.D

Acq: 05 Jul 2022 12:44

Instrument :

MSVOA_X

ClientSampleId :

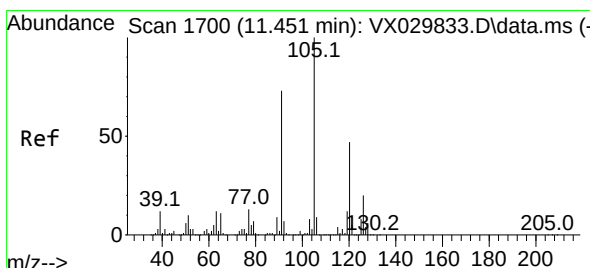
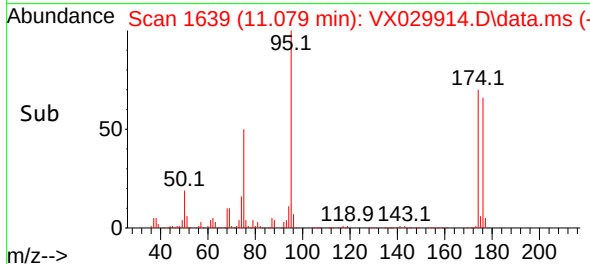
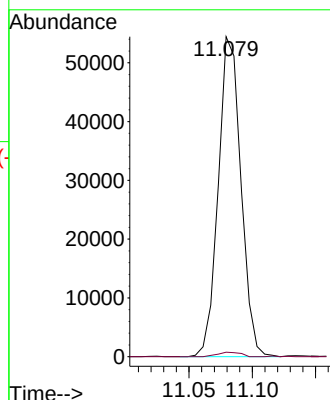
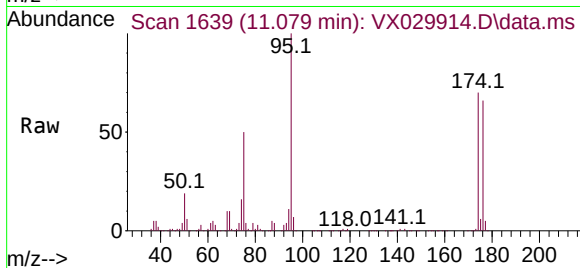
PB145991TB

Tgt Ion: 75 Resp: 67726

Ion Ratio Lower Upper

75 100

77 1.4 19.8 59.3#



#80

1,3,5-Trimethylbenzene

Concen: 0.265 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX029914.D

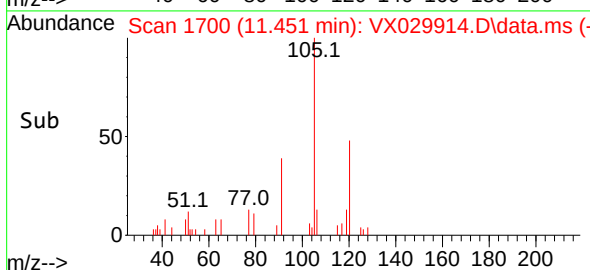
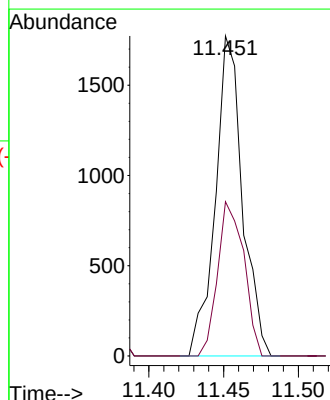
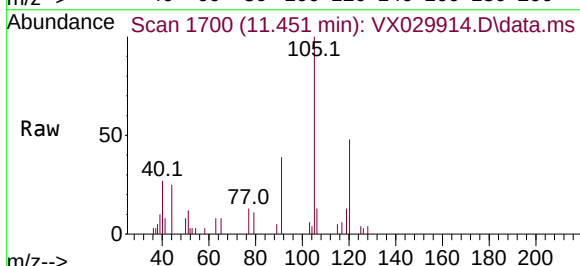
Acq: 05 Jul 2022 12:44

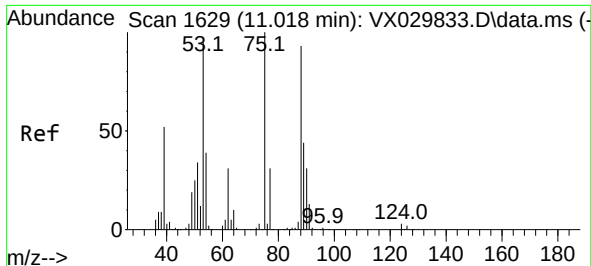
Tgt Ion: 105 Resp: 2238

Ion Ratio Lower Upper

105 100

120 46.5 24.4 73.2

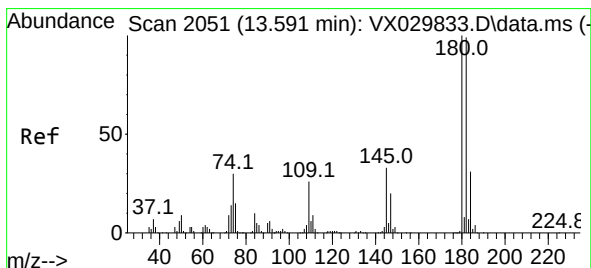
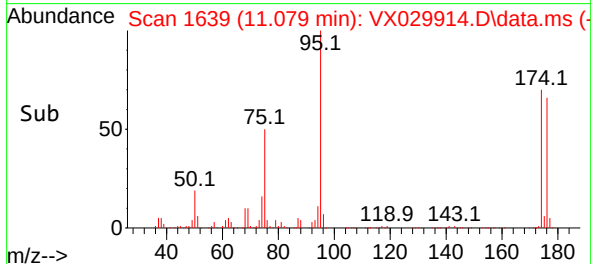
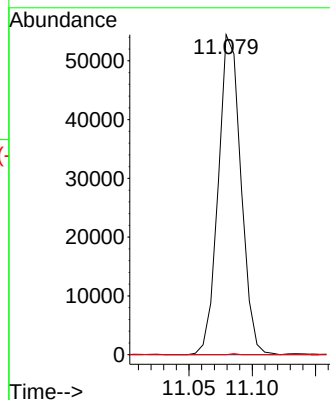
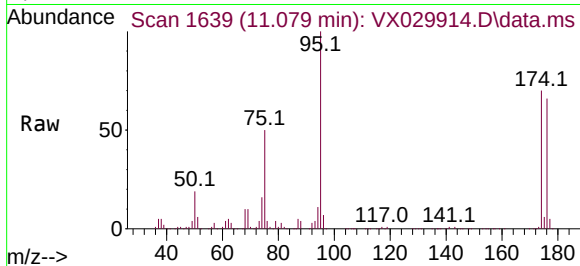




#81
trans-1,4-Dichloro-2-butene
Concen: 64.016 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX029914.D
Acq: 05 Jul 2022 12:44

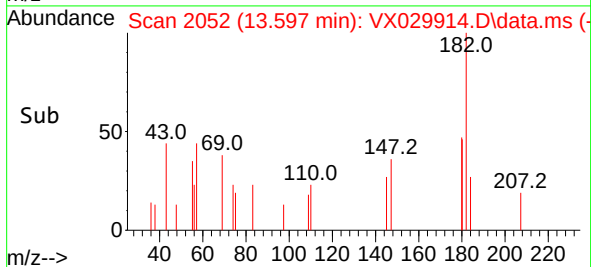
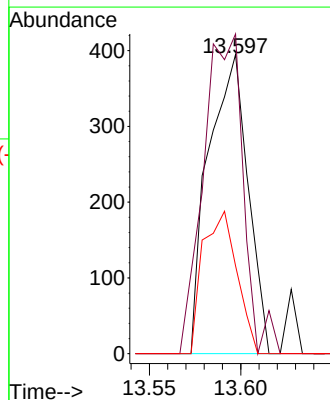
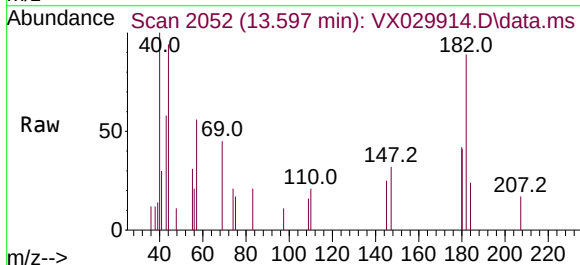
Instrument :
MSVOA_X
ClientSampleId :
PB145991TB

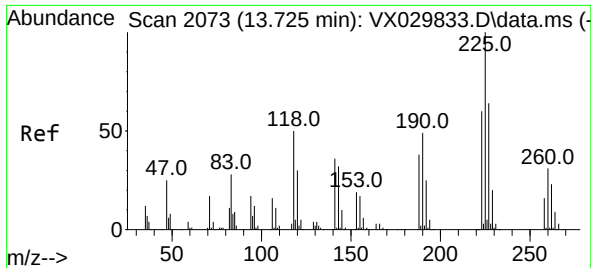
Tgt Ion: 75 Resp: 67726
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.1 34.8 52.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.212 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.006 min
Lab File: VX029914.D
Acq: 05 Jul 2022 12:44

Tgt Ion:180 Resp: 591
Ion Ratio Lower Upper
180 100
182 108.0 48.2 144.6
145 41.1 15.9 47.6





#94
 Hexachlorobutadiene
 Concen: 0.482 ug/l
 RT: 13.725 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VX029914.D
 Acq: 05 Jul 2022 12:44

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145991TB

Tgt Ion:225 Resp: 498
 Ion Ratio Lower Upper
 225 100
 223 53.0 30.6 91.6
 227 61.4 31.9 95.9

