

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060722\
 Data File : VX029296.D
 Acq On : 08 Jun 2022 00:21
 Operator : JC/MD
 Sample : PB145355TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145355TB

Quant Time: Jun 08 03:19:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 08 03:00:38 2022
 Response via : Initial Calibration

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

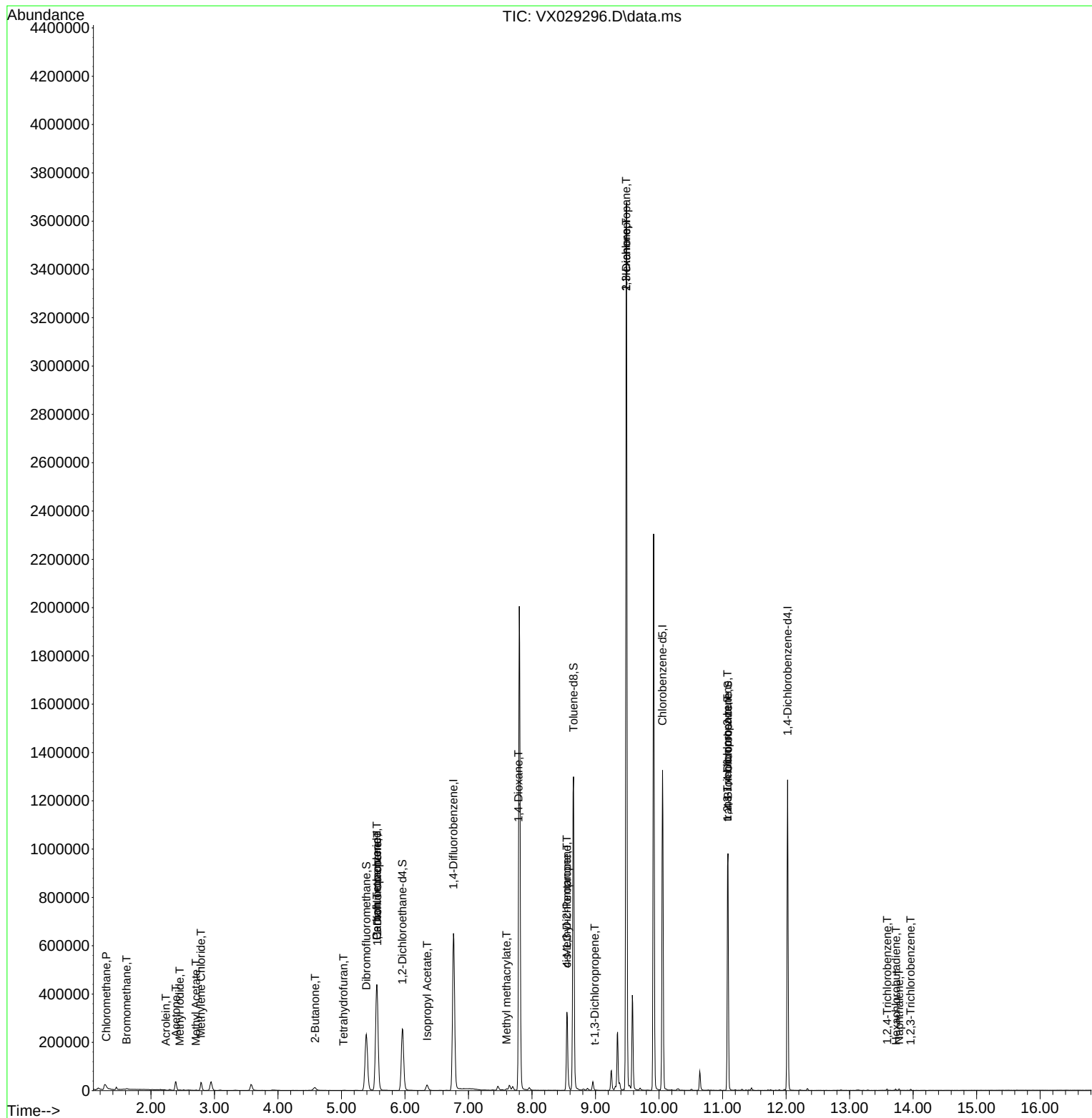
Internal Standards						
1) Pentafluorobenzene	5.556	168	408059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	680984	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	604863	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	258885	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	248044	39.567	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	79.140%		
35) Dibromofluoromethane	5.391	113	205304	35.463	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	70.920%		
50) Toluene-d8	8.653	98	786309	38.403	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	76.800%		
62) 4-Bromofluorobenzene	11.085	95	281405	35.120	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	70.240%		
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	1502	0.217	ug/l	98
5) Bromomethane	1.618	94	1417	0.369	ug/l	82
6) Chloroethane	1.697	64	326	Below Cal	#	73
10) Methyl Iodide	2.453	142	2042	1.491	ug/l #	95
11) Tert butyl alcohol	2.947	59	21061	Below Cal	#	74
13) Acrolein	2.233	56	273	0.362	ug/l #	73
16) Acetone	2.392	43	42116	12.758	ug/l	96
18) Methyl Acetate	2.709	43	1993	0.228	ug/l #	86
20) Methylene Chloride	2.788	84	15748	2.136	ug/l	95
25) 2-Butanone	4.587	43	6144	1.177	ug/l	95
29) Tetrahydrofuran	5.032	42	786	0.231	ug/l #	56
36) 1,1-Dichloropropene	5.562	75	32194	3.366	ug/l #	50
38) Carbon Tetrachloride	5.556	117	43479	4.448	ug/l #	15
41) Methacrylonitrile	5.038	41	364	Below Cal	#	27
43) Isopropyl Acetate	6.348	43	30044	2.026	ug/l	97
48) Methyl methacrylate	7.598	41	9127	1.224	ug/l #	7
49) 1,4-Dioxane	7.787	88	136	0.709	ug/l #	25
51) 4-Methyl-2-Pentanone	8.549	43	110573	11.392	ug/l #	46
53) t-1,3-Dichloropropene	8.988	75	375	1.351	ug/l	93
54) cis-1,3-Dichloropropene	8.549	75	56719	5.279	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	35784	2.872	ug/l #	43
59) 2-Hexanone	9.482	43	417024	56.511	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	135755	22.451	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	135755	68.947	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.591	180	1369	0.256	ug/l	93
94) Hexachlorobutadiene	13.731	225	708	0.319	ug/l	93
95) Naphthalene	13.780	128	4290	0.227	ug/l	96
96) 1,2,3-Trichlorobenzene	13.963	180	1290	0.242	ug/l	89

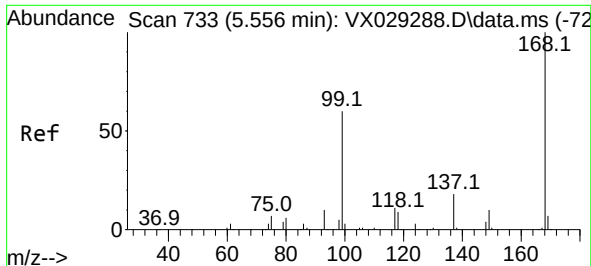
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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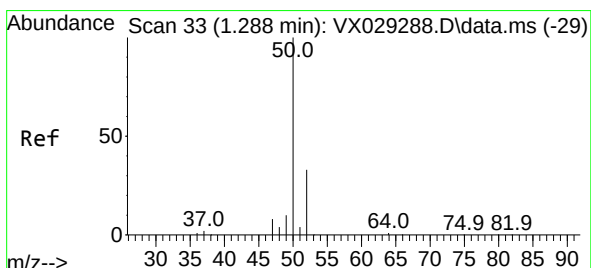
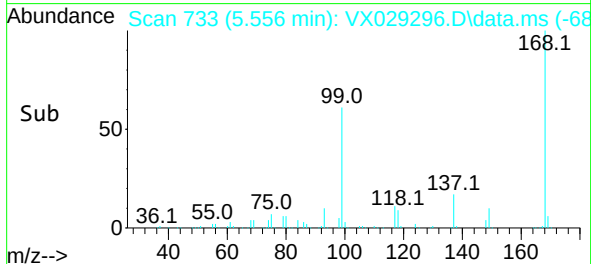
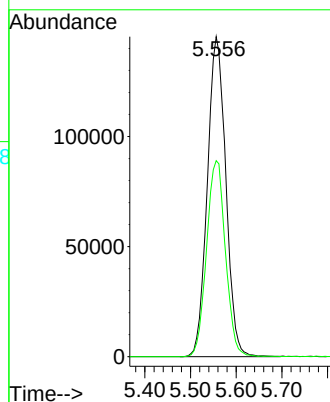
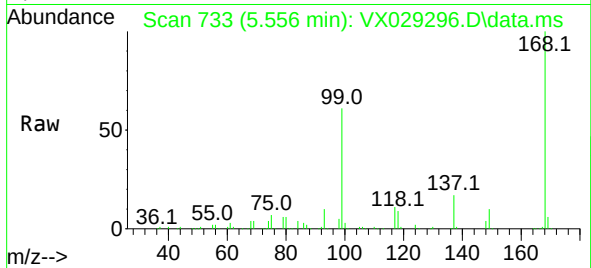




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029296.D
Acq: 08 Jun 2022 00:21

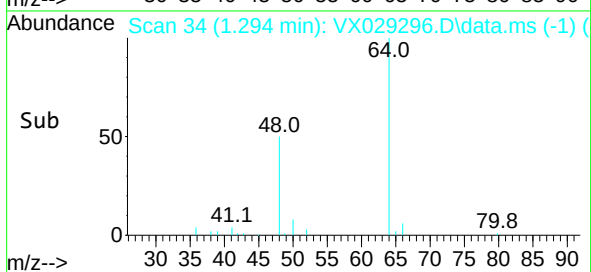
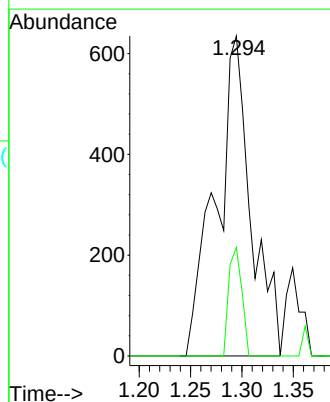
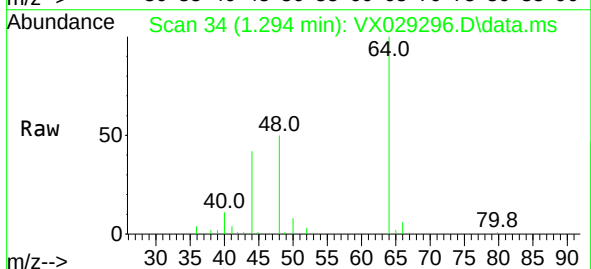
Instrument :
MSVOA_X
ClientSampleId :
PB145355TB

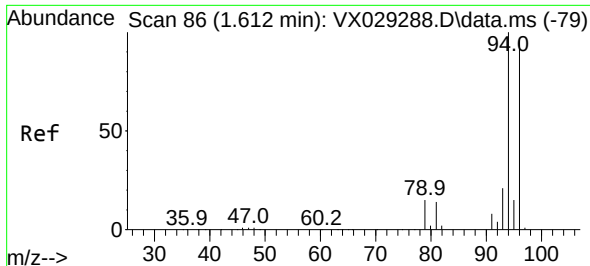
Tgt Ion:168 Resp: 408059
Ion Ratio Lower Upper
168 100
99 61.2 41.7 62.5



#3
Chloromethane
Concen: 0.217 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX029296.D
Acq: 08 Jun 2022 00:21

Tgt Ion: 50 Resp: 1502
Ion Ratio Lower Upper
50 100
52 33.9 26.4 39.6

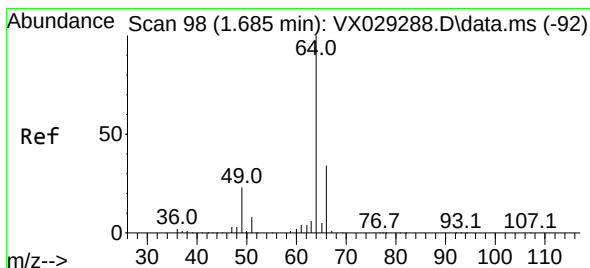
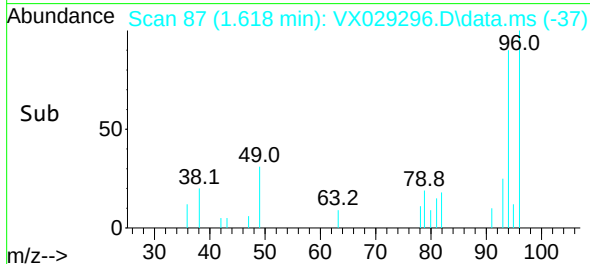
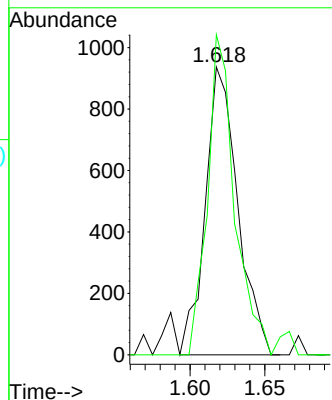
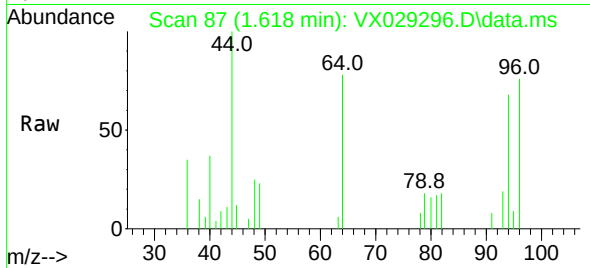




#5
Bromomethane
Concen: 0.369 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX029296.D
Acq: 08 Jun 2022 00:21

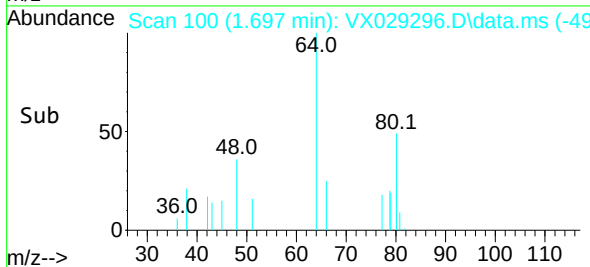
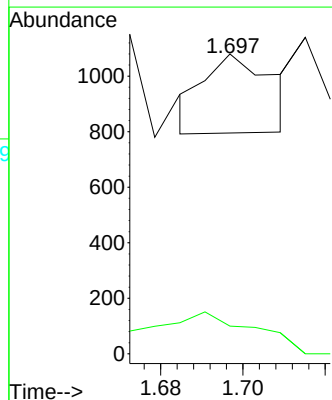
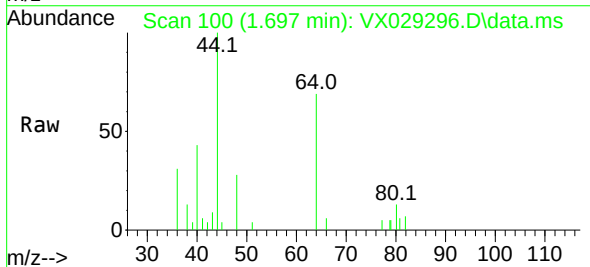
Instrument :
MSVOA_X
ClientSampleId :
PB145355TB

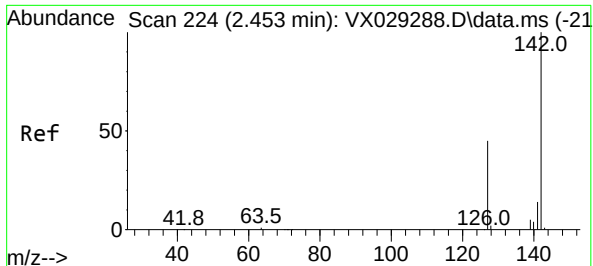
Tgt Ion: 94 Resp: 1417
Ion Ratio Lower Upper
94 100
96 111.2 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.697 min Scan# 100
Delta R.T. 0.012 min
Lab File: VX029296.D
Acq: 08 Jun 2022 00:21

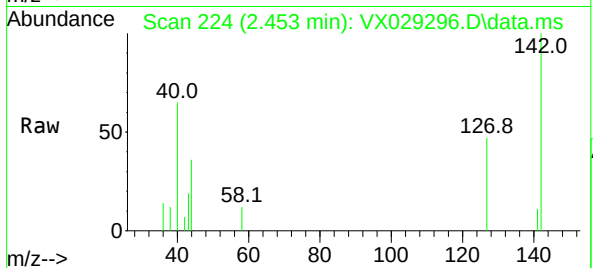
Tgt Ion: 64 Resp: 326
Ion Ratio Lower Upper
64 100
66 16.6 25.3 37.9#



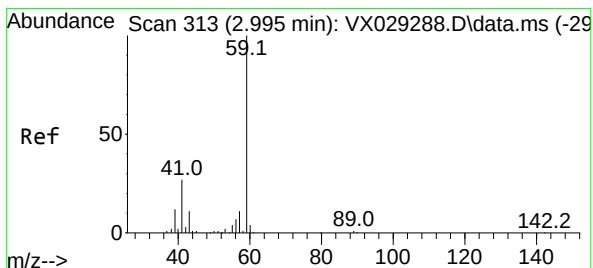
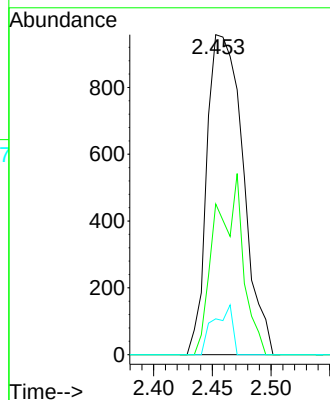
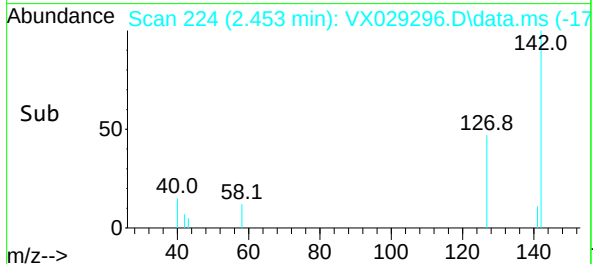


#10
Methyl Iodide
Concen: 1.491 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX029296.D
Acq: 08 Jun 2022 00:21

Instrument :
MSVOA_X
ClientSampleId :
PB145355TB

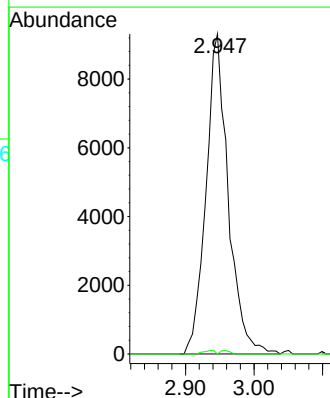
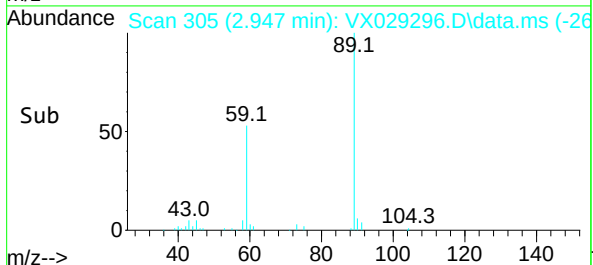
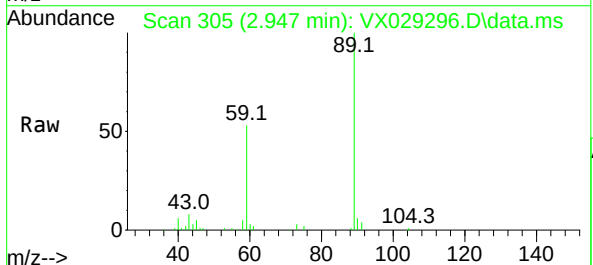


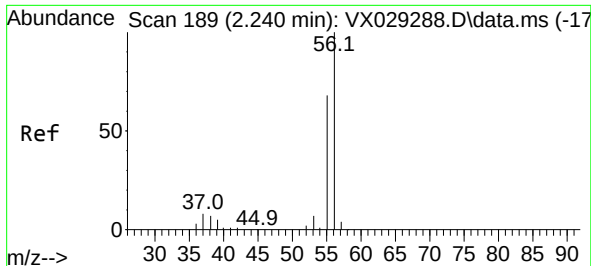
Tgt Ion:142 Resp: 2042
Ion Ratio Lower Upper
142 100
127 43.7 33.9 50.9
141 8.1 11.4 17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.048 min
Lab File: VX029296.D
Acq: 08 Jun 2022 00:21

Tgt Ion: 59 Resp: 21061
Ion Ratio Lower Upper
59 100
57 0.6 8.3 12.5#

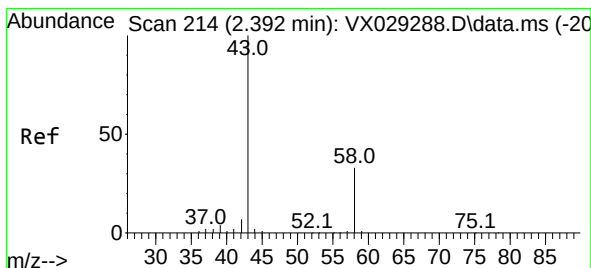
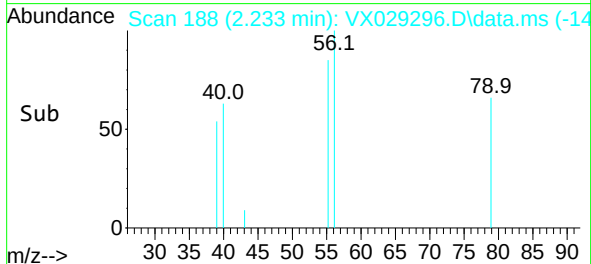
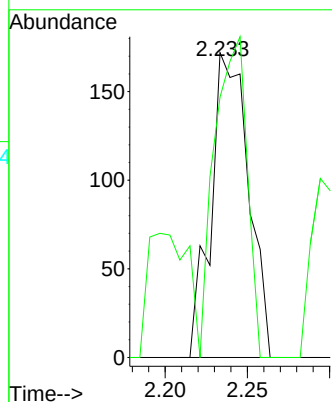
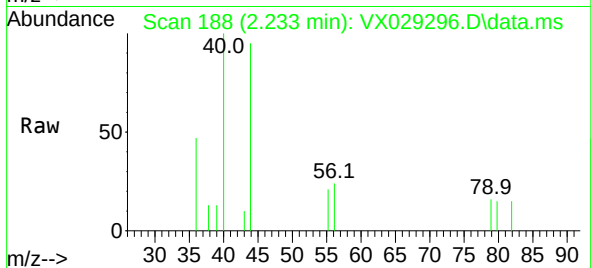




#13
Acrolein
Concen: 0.362 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX029296.D
Acq: 08 Jun 2022 00:21

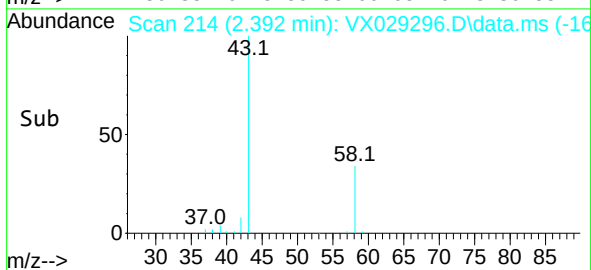
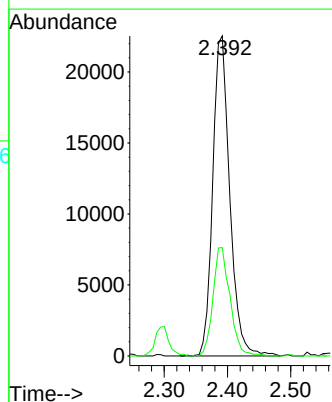
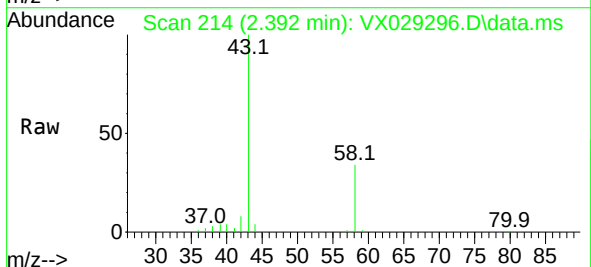
Instrument :
MSVOA_X
ClientSampleId :
PB145355TB

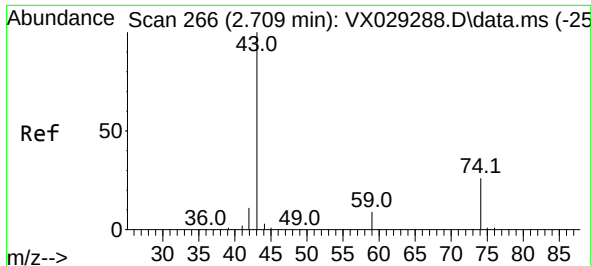
Tgt Ion: 56 Resp: 273
Ion Ratio Lower Upper
56 100
55 90.8 55.0 82.6#



#16
Acetone
Concen: 12.758 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX029296.D
Acq: 08 Jun 2022 00:21

Tgt Ion: 43 Resp: 42116
Ion Ratio Lower Upper
43 100
58 33.9 28.8 43.2

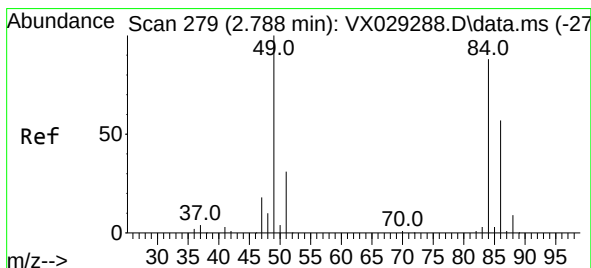
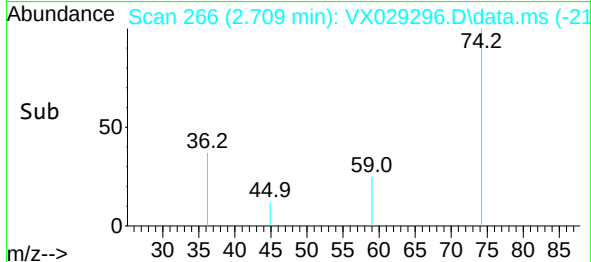
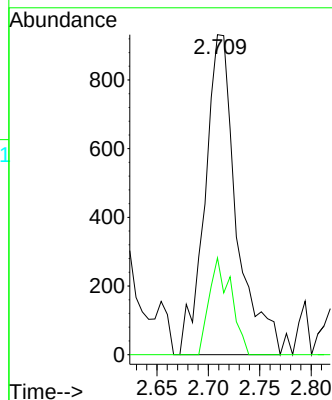
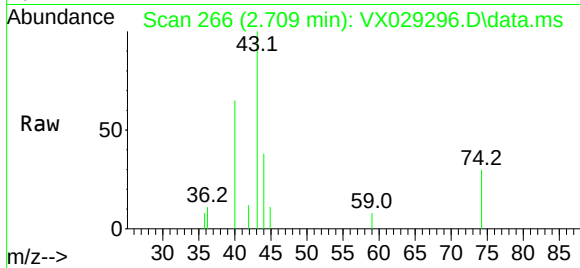




#18
Methyl Acetate
Concen: 0.228 ug/l
RT: 2.709 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX029296.D
Acq: 08 Jun 2022 00:21

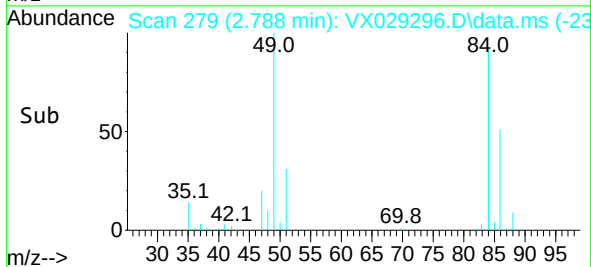
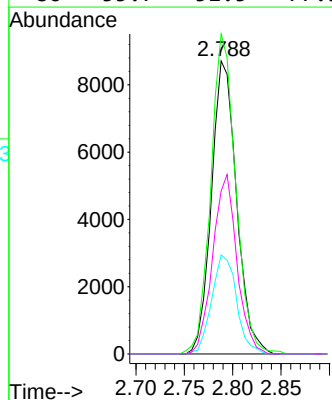
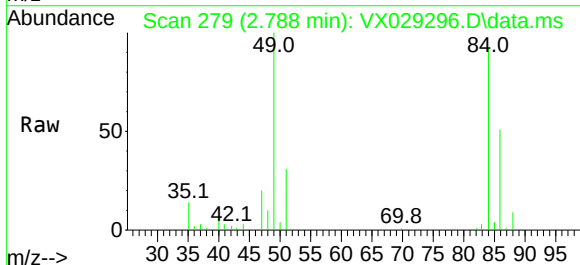
Instrument :
MSVOA_X
ClientSampleId :
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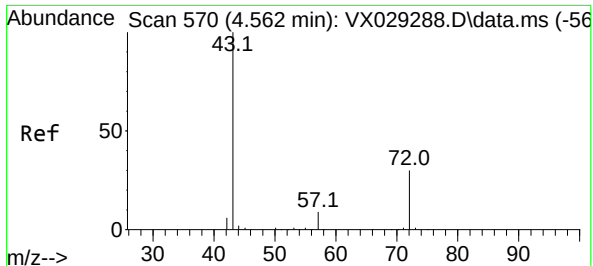
Tgt Ion: 43 Resp: 1993
Ion Ratio Lower Upper
43 100
74 21.0 22.8 34.2#



#20
Methylene Chloride
Concen: 2.136 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX029296.D
Acq: 08 Jun 2022 00:21

Tgt Ion: 84 Resp: 15748
Ion Ratio Lower Upper
84 100
49 109.2 85.5 128.3
51 33.8 26.6 39.8
86 55.7 51.5 77.3





#25

2-Butanone

Concen: 1.177 ug/l

RT: 4.587 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX029296.D

Acq: 08 Jun 2022 00:21

Instrument :

MSVOA_X

ClientSampleId :

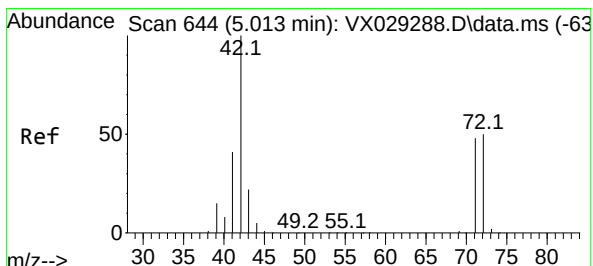
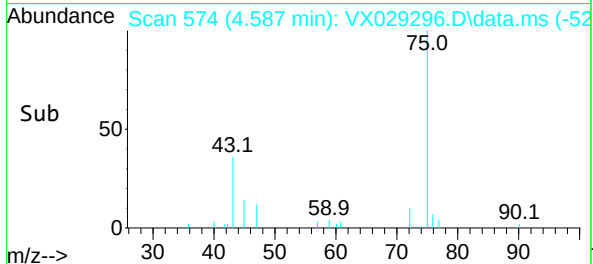
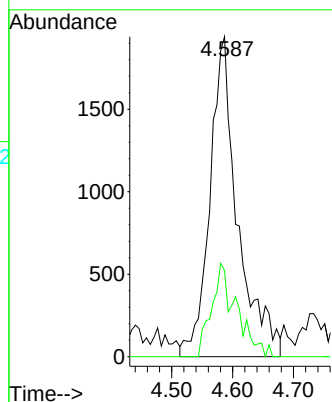
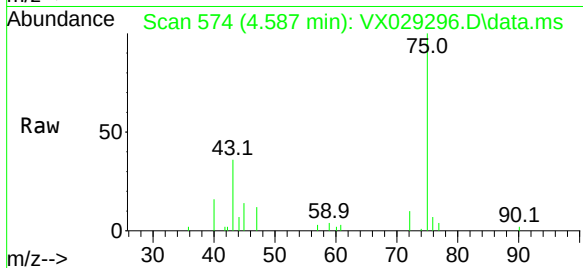
PB145355TB

Tgt Ion: 43 Resp: 6144

Ion Ratio Lower Upper

43 100

72 27.8 24.4 36.6



#29

Tetrahydrofuran

Concen: 0.231 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.018 min

Lab File: VX029296.D

Acq: 08 Jun 2022 00:21

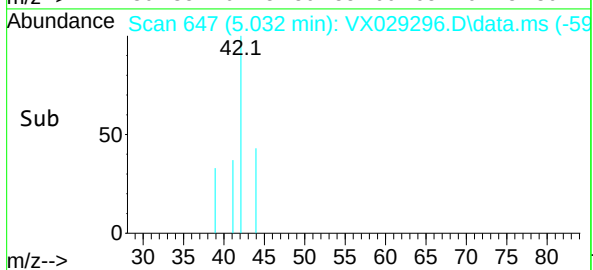
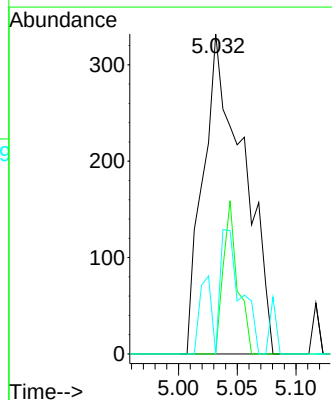
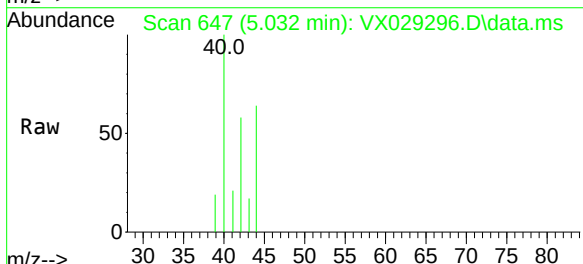
Tgt Ion: 42 Resp: 786

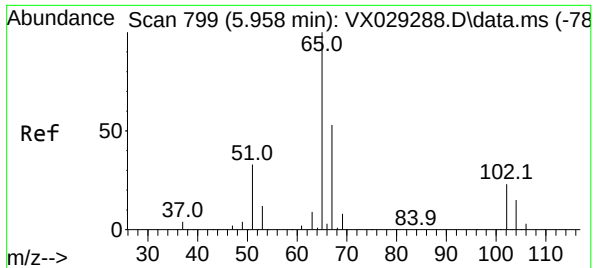
Ion Ratio Lower Upper

42 100

72 17.2 44.1 66.1#

71 27.0 40.5 60.7#





#33

1,2-Dichloroethane-d4

Concen: 39.567 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029296.D

Acq: 08 Jun 2022 00:21

Instrument :

MSVOA_X

ClientSampleId :

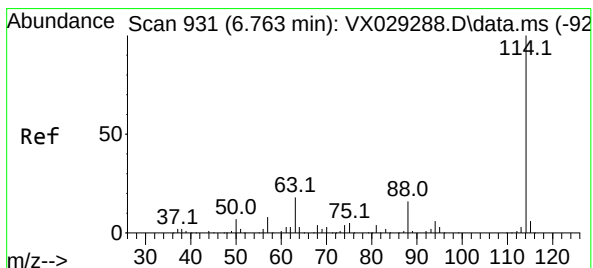
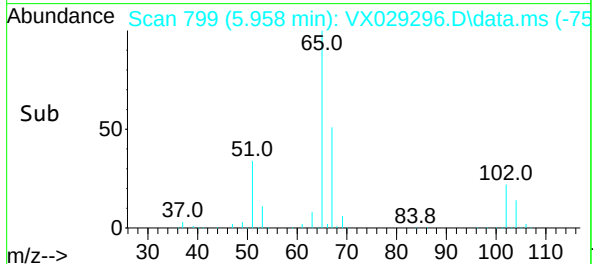
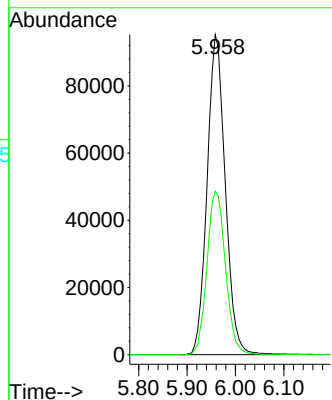
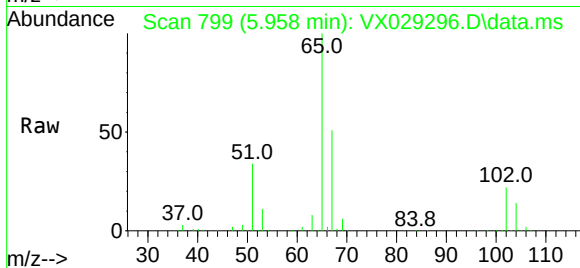
PB145355TB

Tgt Ion: 65 Resp: 248044

Ion Ratio Lower Upper

65 100

67 52.2 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX029296.D

Acq: 08 Jun 2022 00:21

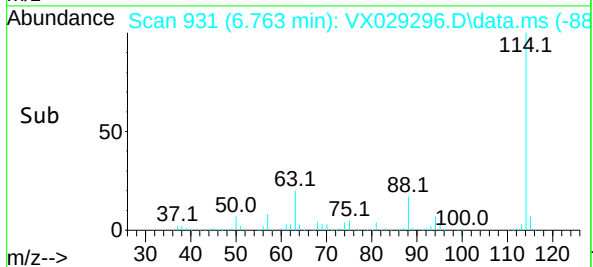
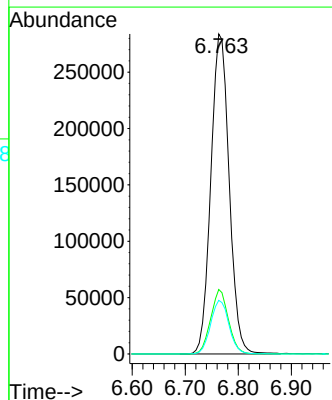
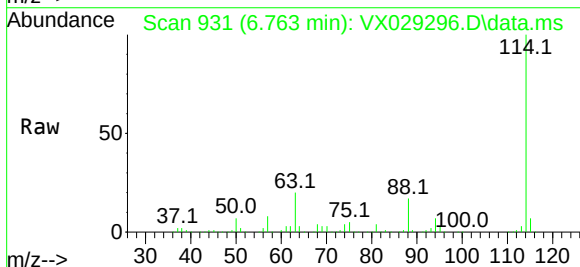
Tgt Ion: 114 Resp: 680984

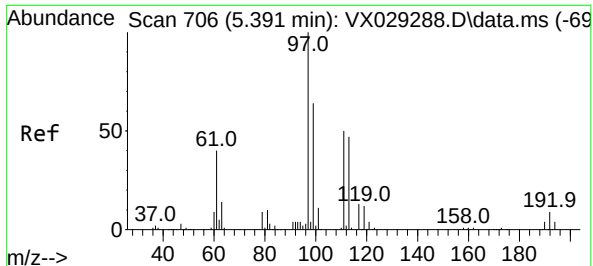
Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.8

88 16.7 0.0 32.4





#35

Dibromofluoromethane

Concen: 35.463 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX029296.D

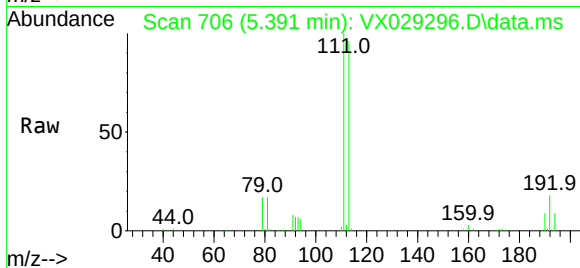
Acq: 08 Jun 2022 00:21

Instrument :

MSVOA_X

ClientSampleId :

PB145355TB



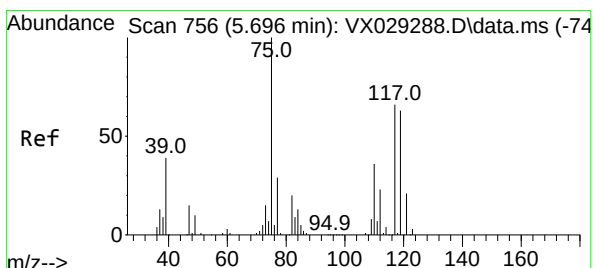
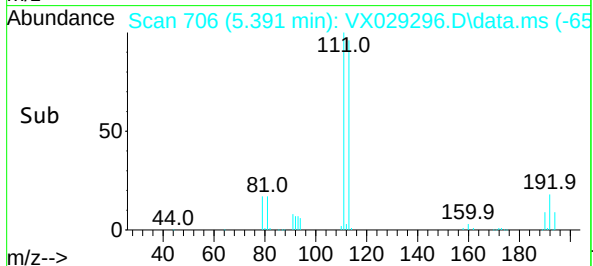
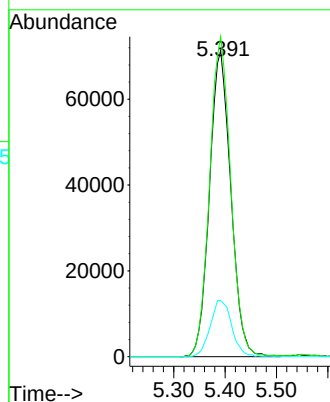
Tgt Ion:113 Resp: 205304

Ion Ratio Lower Upper

113 100

111 104.1 82.8 124.2

192 18.7 16.9 25.3



#36

1,1-Dichloropropene

Concen: 3.366 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX029296.D

Acq: 08 Jun 2022 00:21

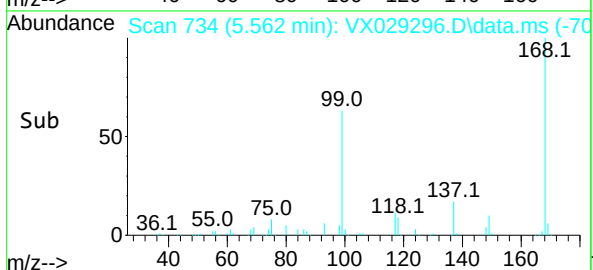
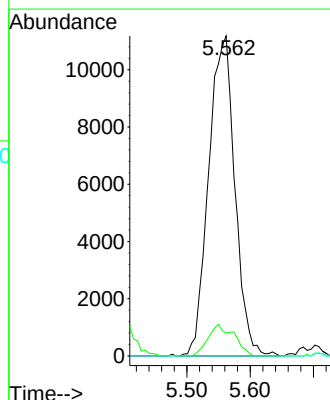
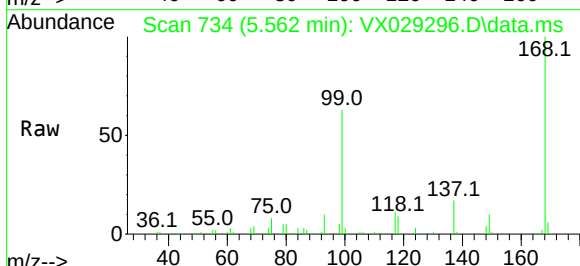
Tgt Ion: 75 Resp: 32194

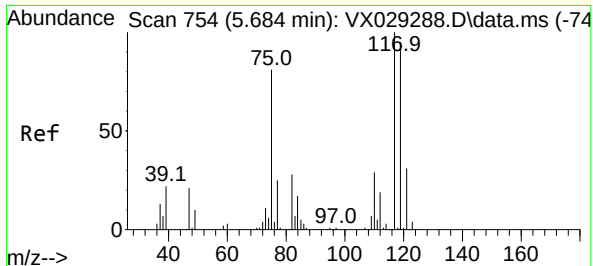
Ion Ratio Lower Upper

75 100

110 9.8 18.3 54.8#

77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 4.448 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.128 min

Lab File: VX029296.D

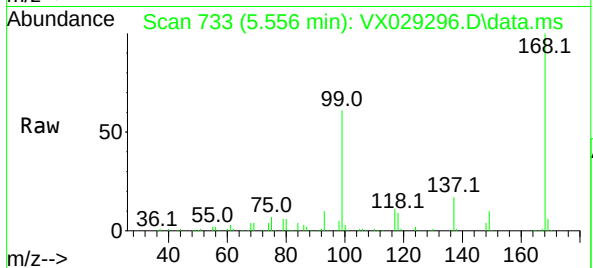
Acq: 08 Jun 2022 00:21

Instrument :

MSVOA_X

ClientSampleId :

PB145355TB



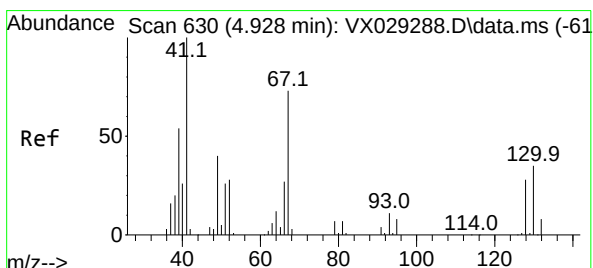
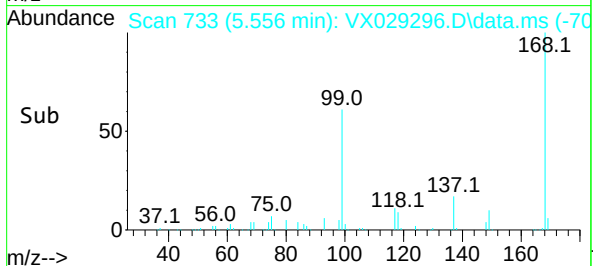
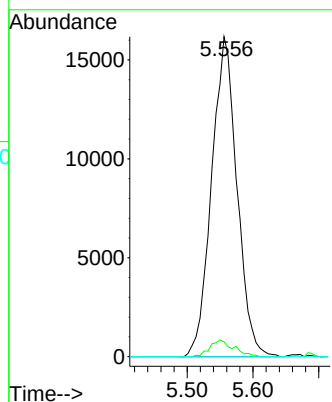
Tgt Ion:117 Resp: 43479

Ion Ratio Lower Upper

117 100

119 4.6 77.3 115.9#

121 0.0 24.2 36.2#



#41

Methacrylonitrile

Concen: Below Cal

RT: 5.038 min Scan# 648

Delta R.T. 0.110 min

Lab File: VX029296.D

Acq: 08 Jun 2022 00:21

Tgt Ion: 41 Resp: 364

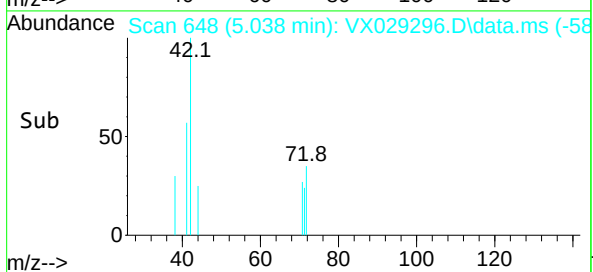
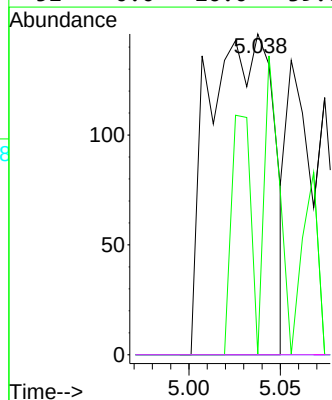
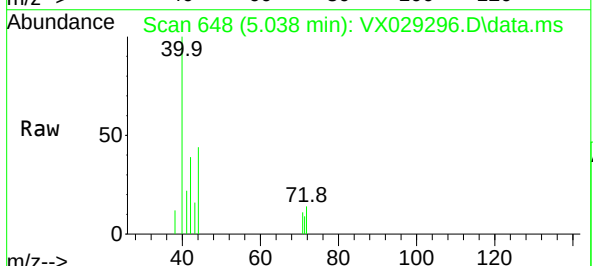
Ion Ratio Lower Upper

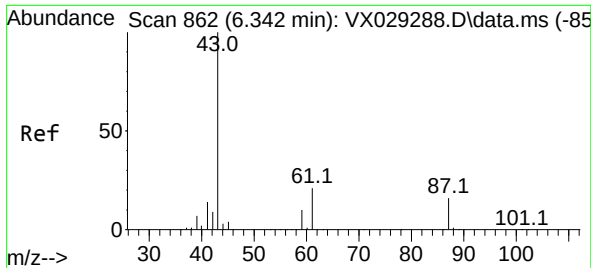
41 100

39 21.2 43.0 64.4#

67 0.0 70.2 105.4#

52 0.0 26.0 39.0#





#43

Isopropyl Acetate

Concen: 2.026 ug/l

RT: 6.348 min Scan# 8

Delta R.T. 0.006 min

Lab File: VX029296.D

Acq: 08 Jun 2022 00:21

Instrument :

MSVOA_X

ClientSampleId :

PB145355TB

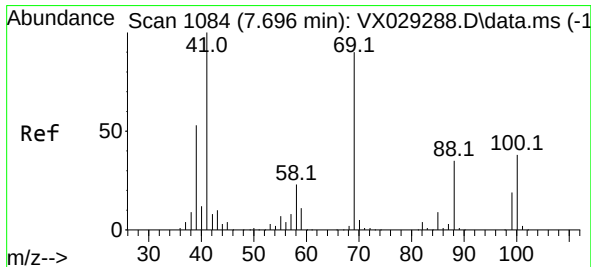
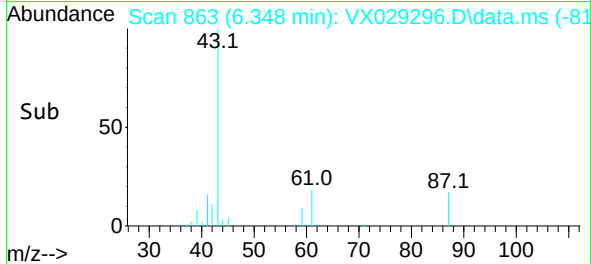
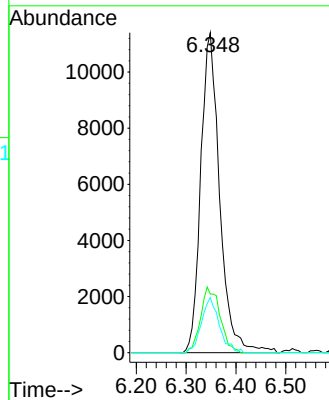
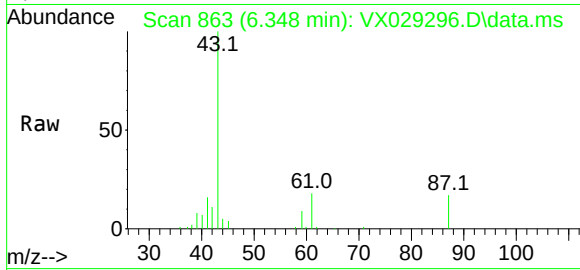
Tgt Ion: 43 Resp: 30044

Ion Ratio Lower Upper

43 100

61 20.9 18.5 27.7

87 16.3 13.0 19.6



#48

Methyl methacrylate

Concen: 1.224 ug/l

RT: 7.598 min Scan# 1068

Delta R.T. -0.098 min

Lab File: VX029296.D

Acq: 08 Jun 2022 00:21

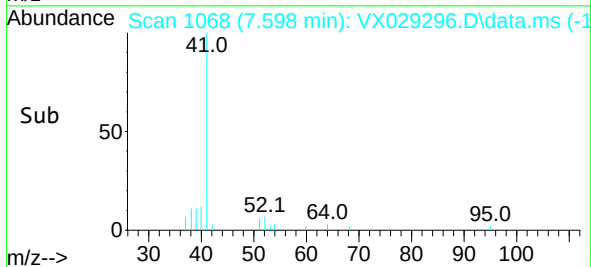
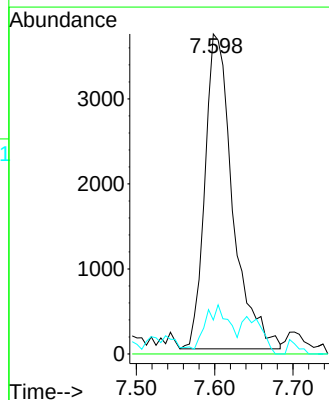
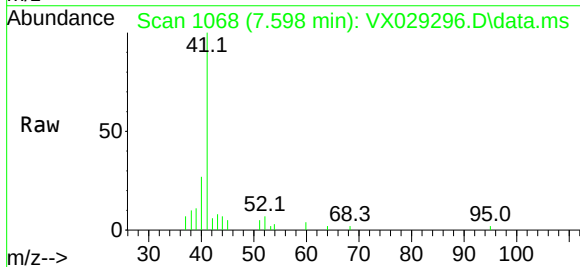
Tgt Ion: 41 Resp: 9127

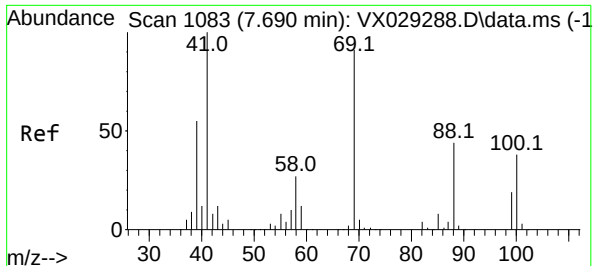
Ion Ratio Lower Upper

41 100

69 0.0 82.5 123.7#

39 0.0 43.8 65.8#





#49

1,4-Dioxane

Concen: 0.709 ug/l

RT: 7.787 min Scan# 1099

Delta R.T. 0.097 min

Lab File: VX029296.D

Acq: 08 Jun 2022 00:21

Instrument :

MSVOA_X

ClientSampleId :

PB145355TB

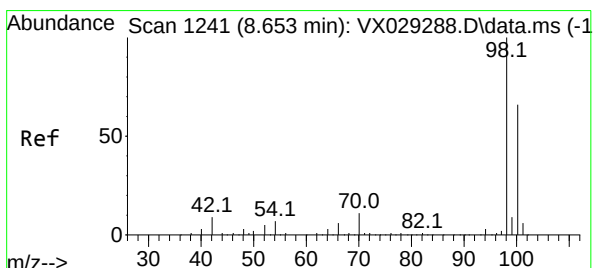
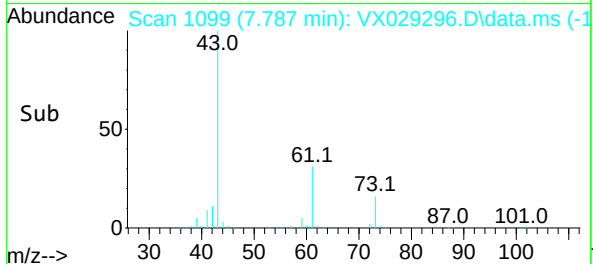
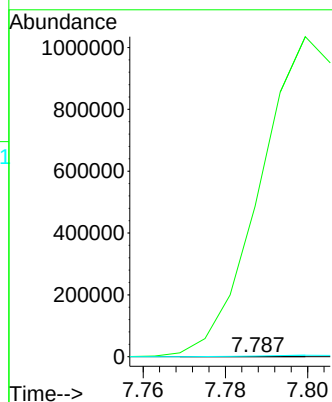
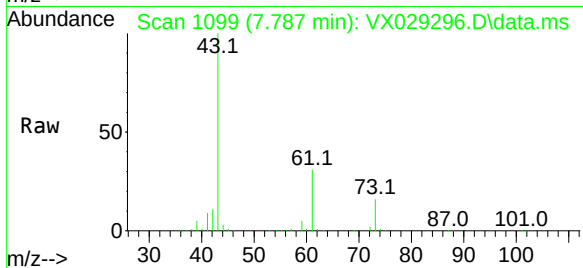
Tgt Ion: 88 Resp: 136

Ion Ratio Lower Upper

88 100

43 0.0 21.9 32.9#

58 0.0 53.7 80.5#



#50

Toluene-d8

Concen: 38.403 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX029296.D

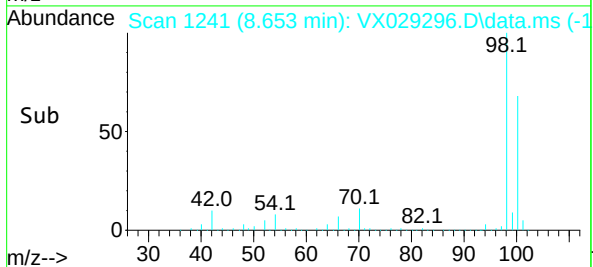
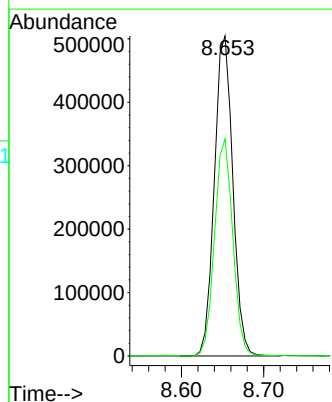
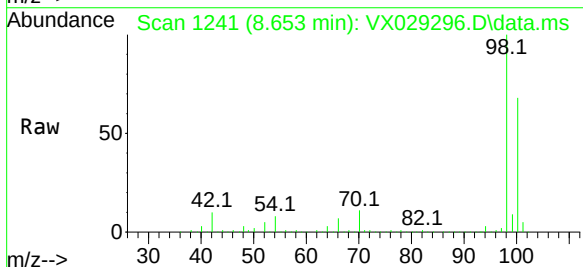
Acq: 08 Jun 2022 00:21

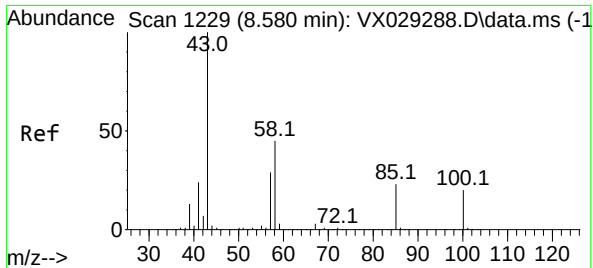
Tgt Ion: 98 Resp: 786309

Ion Ratio Lower Upper

98 100

100 66.9 52.6 78.8

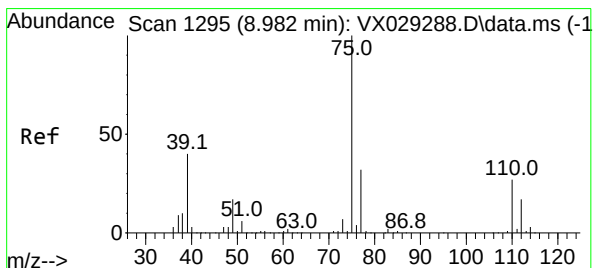
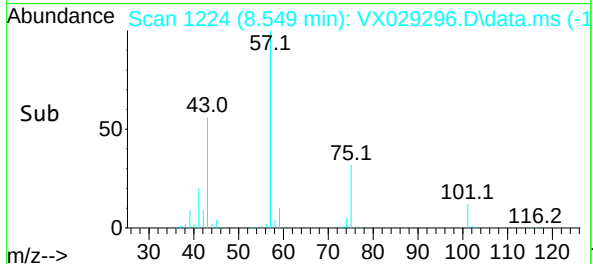
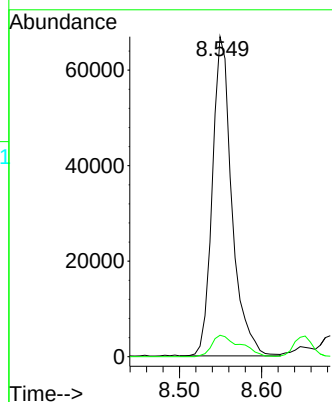
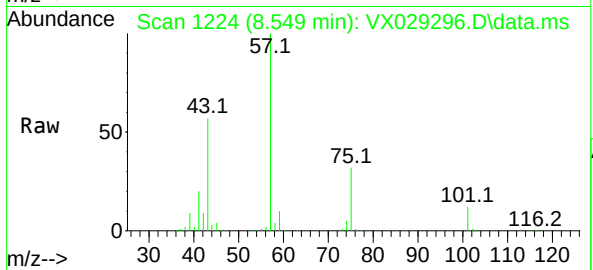




#51
4-Methyl-2-Pentanone
Concen: 11.392 ug/l
RT: 8.549 min Scan# 110573
Delta R.T. -0.031 min
Lab File: VX029296.D
Acq: 08 Jun 2022 00:21

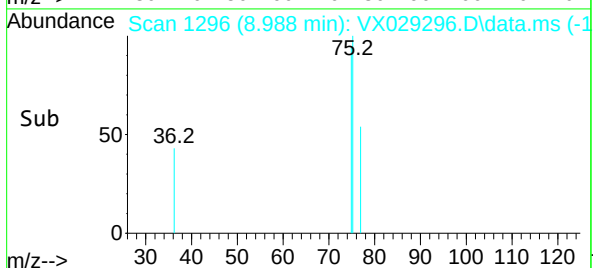
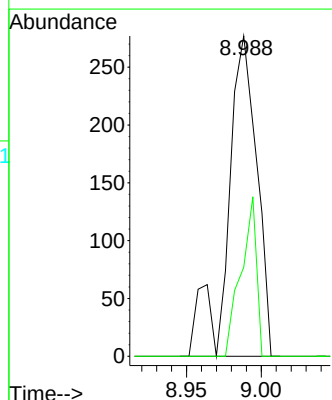
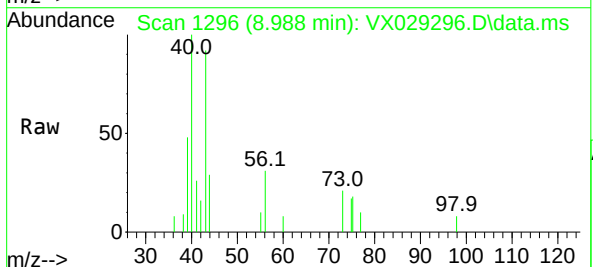
Instrument :
MSVOA_X
ClientSampleId :
PB145355TB

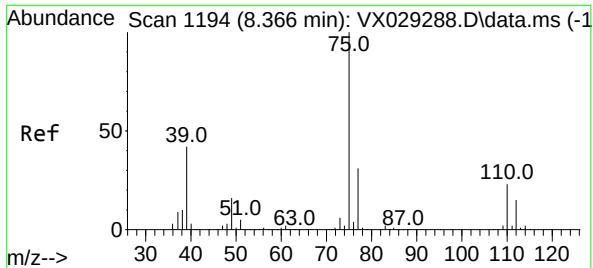
Tgt Ion: 43 Resp: 110573
Ion Ratio Lower Upper
43 100
58 9.8 36.1 54.1#



#53
t-1,3-Dichloropropene
Concen: 1.351 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.006 min
Lab File: VX029296.D
Acq: 08 Jun 2022 00:21

Tgt Ion: 75 Resp: 375
Ion Ratio Lower Upper
75 100
77 27.8 25.4 38.0

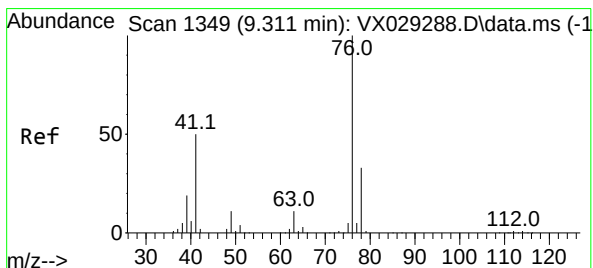
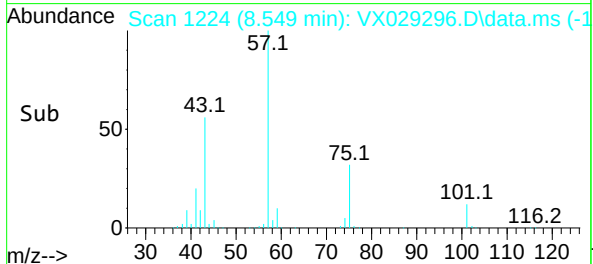
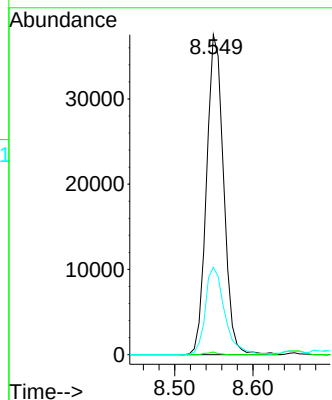
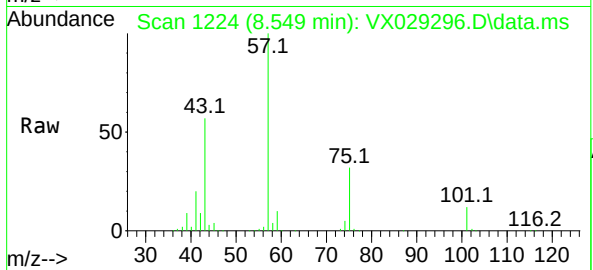




#54
 cis-1,3-Dichloropropene
 Concen: 5.279 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX029296.D
 Acq: 08 Jun 2022 00:21

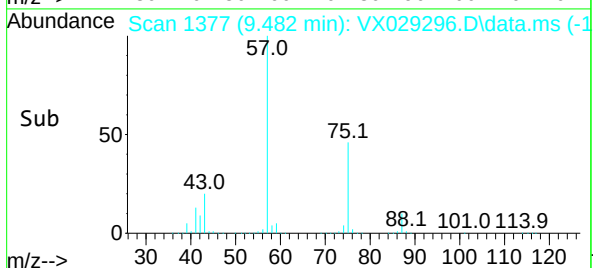
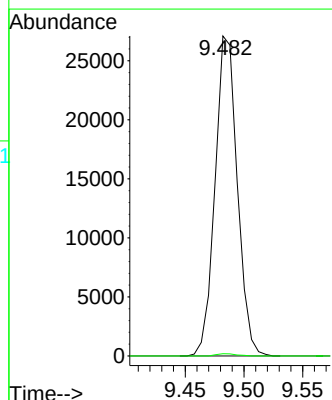
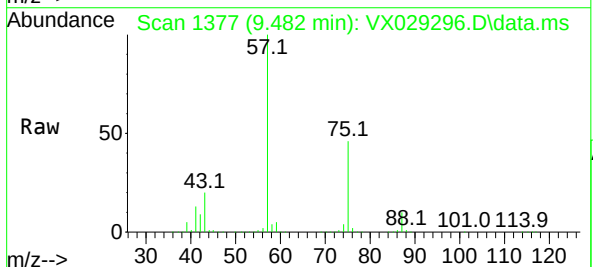
Instrument :
 MSVOA_X
 ClientSampleId :
 PB145355TB

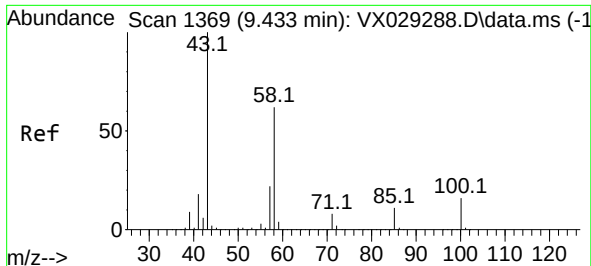
Tgt Ion: 75 Resp: 56719
 Ion Ratio Lower Upper
 75 100
 77 0.9 24.8 37.2#
 39 27.3 29.6 44.4#



#57
 1,3-Dichloropropane
 Concen: 2.872 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX029296.D
 Acq: 08 Jun 2022 00:21

Tgt Ion: 76 Resp: 35784
 Ion Ratio Lower Upper
 76 100
 78 0.6 25.8 38.8#





#59

2-Hexanone

Concen: 56.511 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX029296.D

Acq: 08 Jun 2022 00:21

Instrument :

MSVOA_X

ClientSampleId :

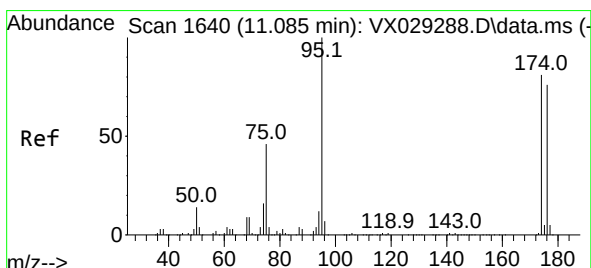
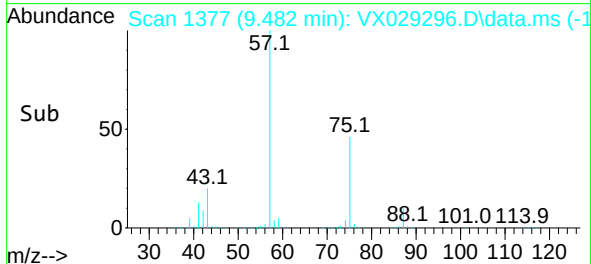
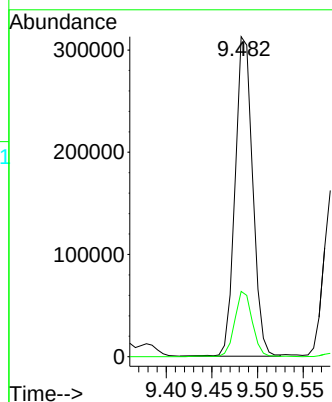
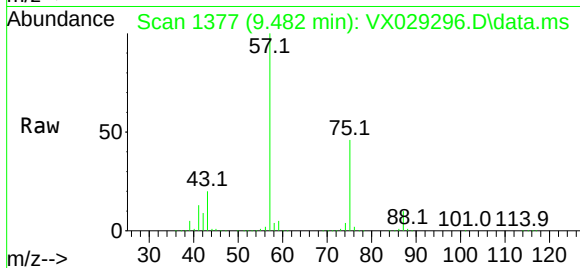
PB145355TB

Tgt Ion: 43 Resp: 417024

Ion Ratio Lower Upper

43 100

58 20.3 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 35.120 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.000 min

Lab File: VX029296.D

Acq: 08 Jun 2022 00:21

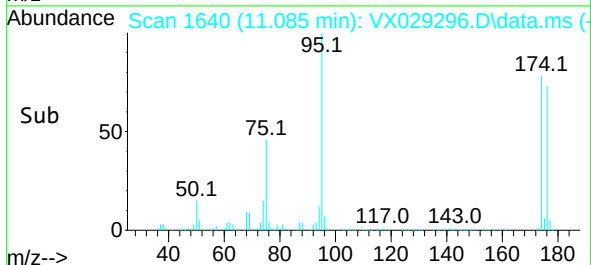
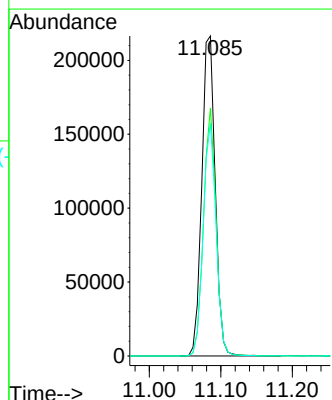
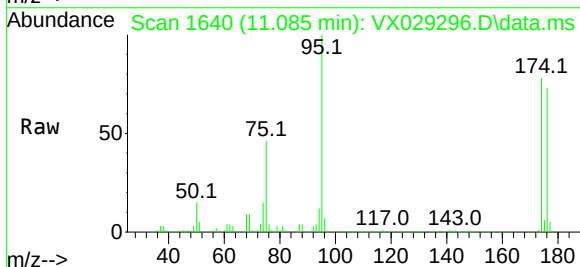
Tgt Ion: 95 Resp: 281405

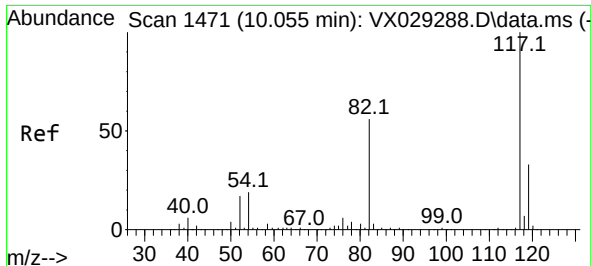
Ion Ratio Lower Upper

95 100

174 72.6 0.0 163.0

176 69.9 0.0 155.0

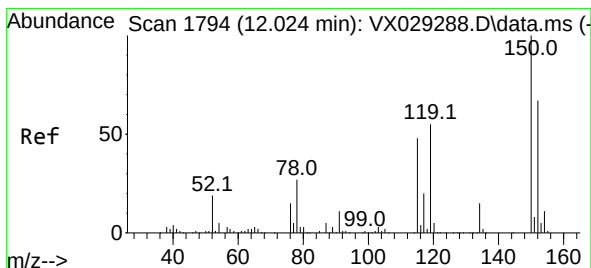
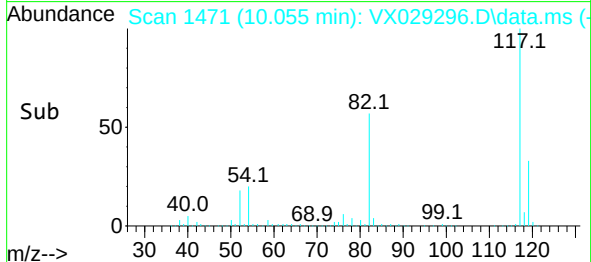
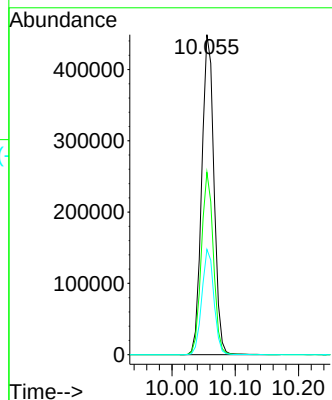
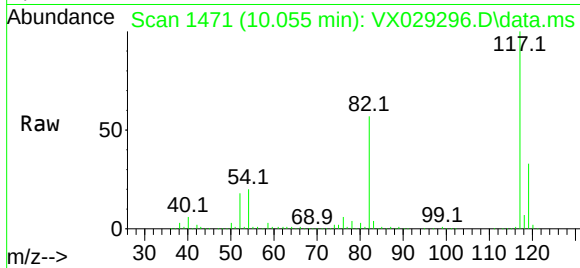




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029296.D
Acq: 08 Jun 2022 00:21

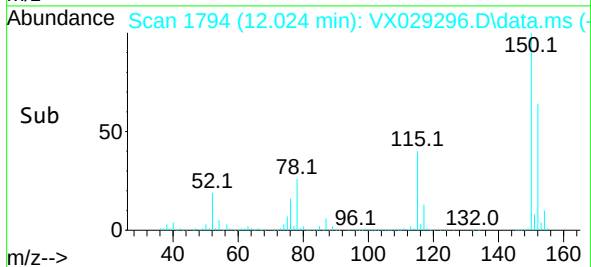
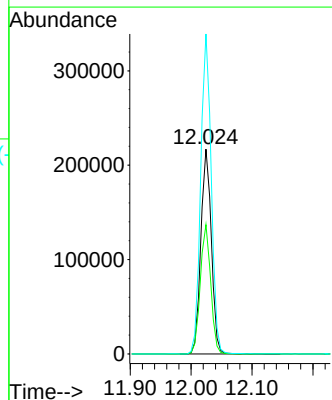
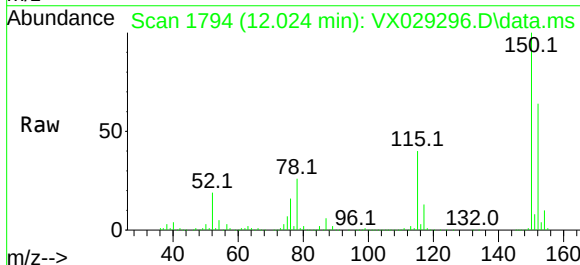
Instrument :
MSVOA_X
ClientSampleId :
PB145355TB

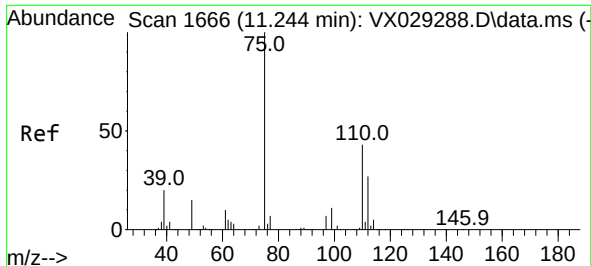
Tgt Ion:117 Resp: 604863
Ion Ratio Lower Upper
117 100
82 57.0 41.8 62.8
119 32.9 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX029296.D
Acq: 08 Jun 2022 00:21

Tgt Ion:152 Resp: 258885
Ion Ratio Lower Upper
152 100
115 62.7 37.5 112.7
150 156.9 0.0 338.2

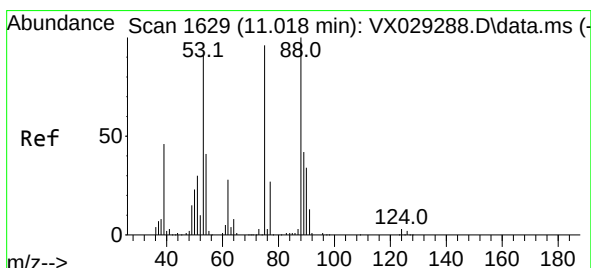
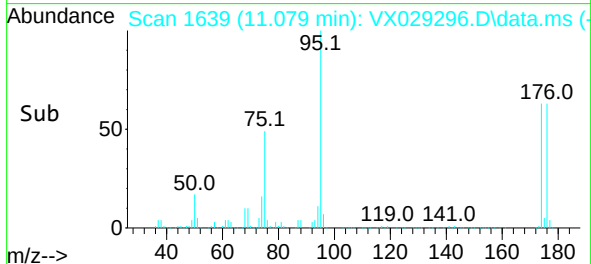
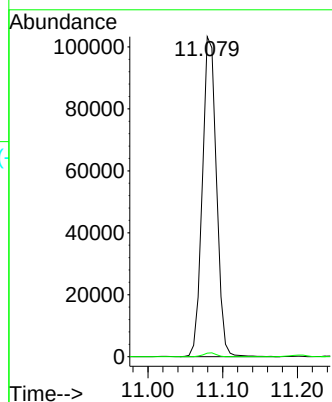
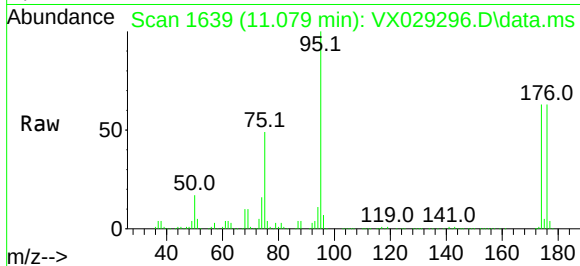




#76
1,2,3-Trichloropropane
Concen: 22.451 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029296.D
Acq: 08 Jun 2022 00:21

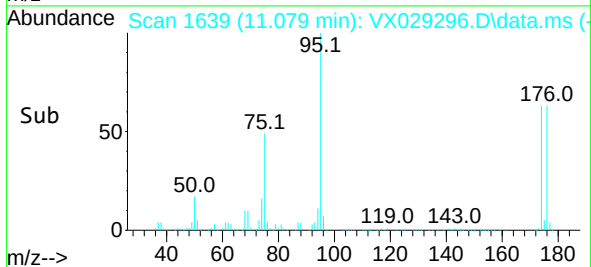
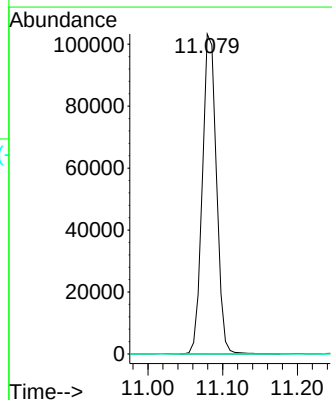
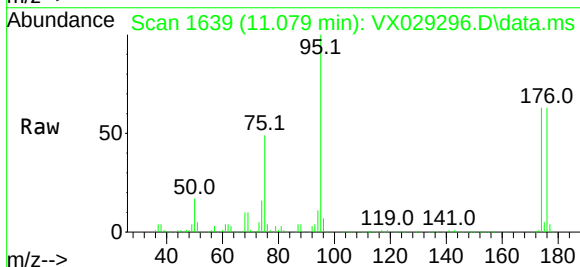
Instrument :
MSVOA_X
ClientSampleId :
PB145355TB

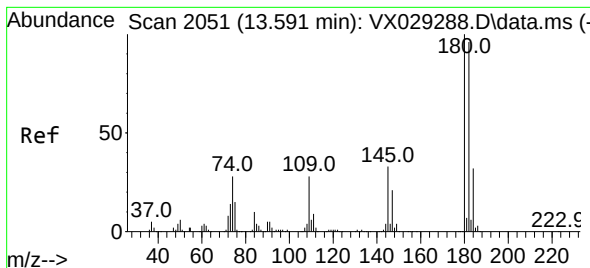
Tgt Ion: 75 Resp: 135755
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.947 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029296.D
Acq: 08 Jun 2022 00:21

Tgt Ion: 75 Resp: 135755
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#





#93

1,2,4-Trichlorobenzene

Concen: 0.256 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. -0.000 min

Lab File: VX029296.D

Acq: 08 Jun 2022 00:21

Instrument :

MSVOA_X

ClientSampleId :

PB145355TB

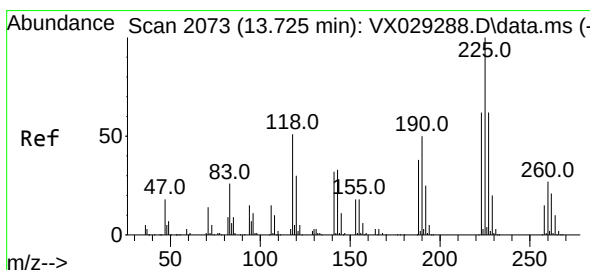
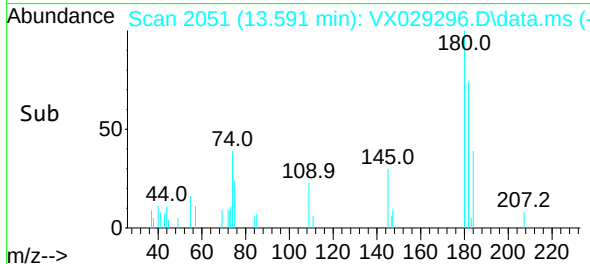
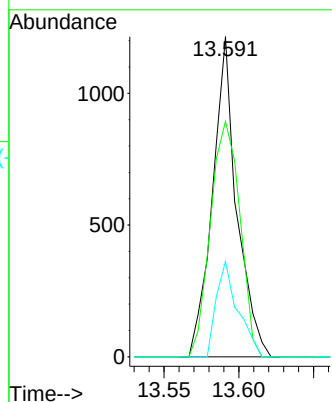
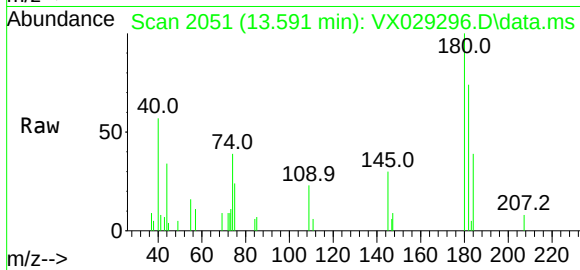
Tgt Ion:180 Resp: 1369

Ion Ratio Lower Upper

180 100

182 89.0 47.7 143.1

145 26.5 15.2 45.5



#94

Hexachlorobutadiene

Concen: 0.319 ug/l

RT: 13.731 min Scan# 2074

Delta R.T. 0.006 min

Lab File: VX029296.D

Acq: 08 Jun 2022 00:21

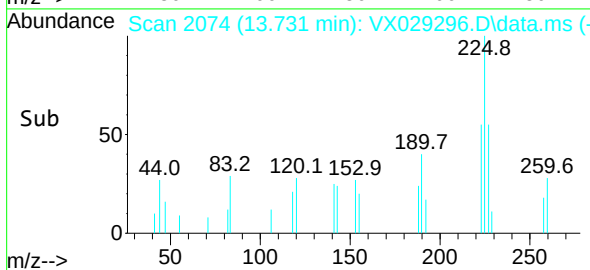
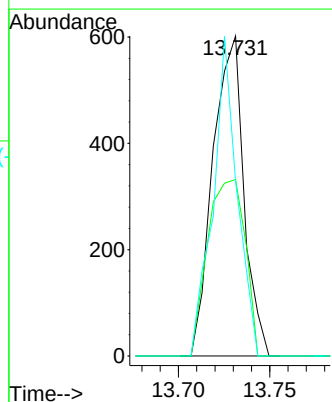
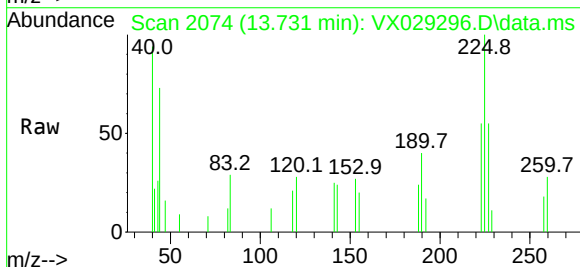
Tgt Ion:225 Resp: 708

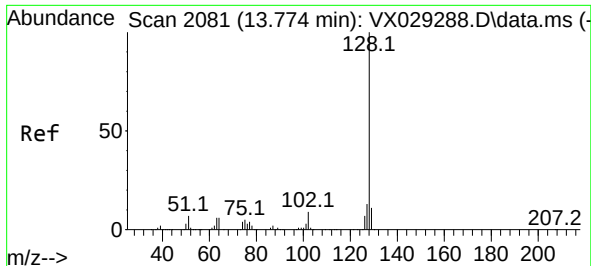
Ion Ratio Lower Upper

225 100

223 66.7 34.2 102.5

227 78.1 33.9 101.7

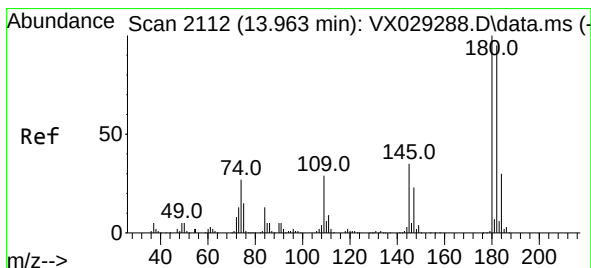
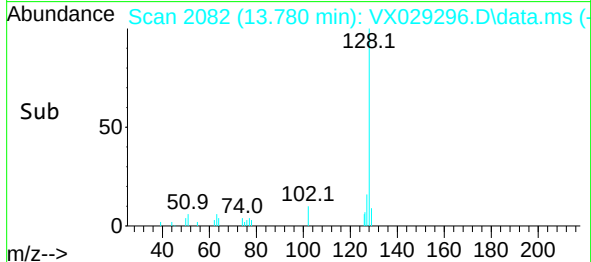
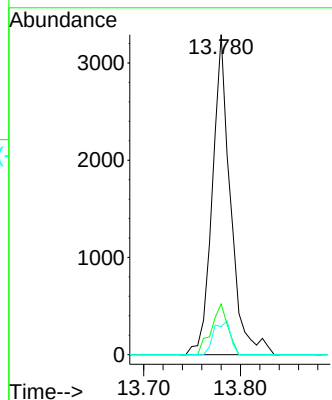
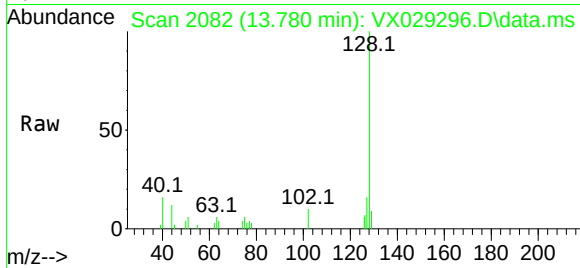




#95
Naphthalene
Concen: 0.227 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX029296.D
Acq: 08 Jun 2022 00:21

Instrument :
MSVOA_X
ClientSampleId :
PB145355TB

Tgt Ion:128	Resp:	4290
Ion Ratio	Lower	Upper
128	100	
127	14.5	10.2 15.4
129	9.7	8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.242 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX029296.D
Acq: 08 Jun 2022 00:21

Tgt Ion:180	Resp:	1290
Ion Ratio	Lower	Upper
180	100	
182	86.2	50.0 149.8
145	29.8	16.2 48.5

