

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060722\
 Data File : VX029303.D
 Acq On : 08 Jun 2022 03:03
 Operator : JC/MD
 Sample : PB145355ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145355ZHE#07

Quant Time: Jun 08 05:17:17 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)

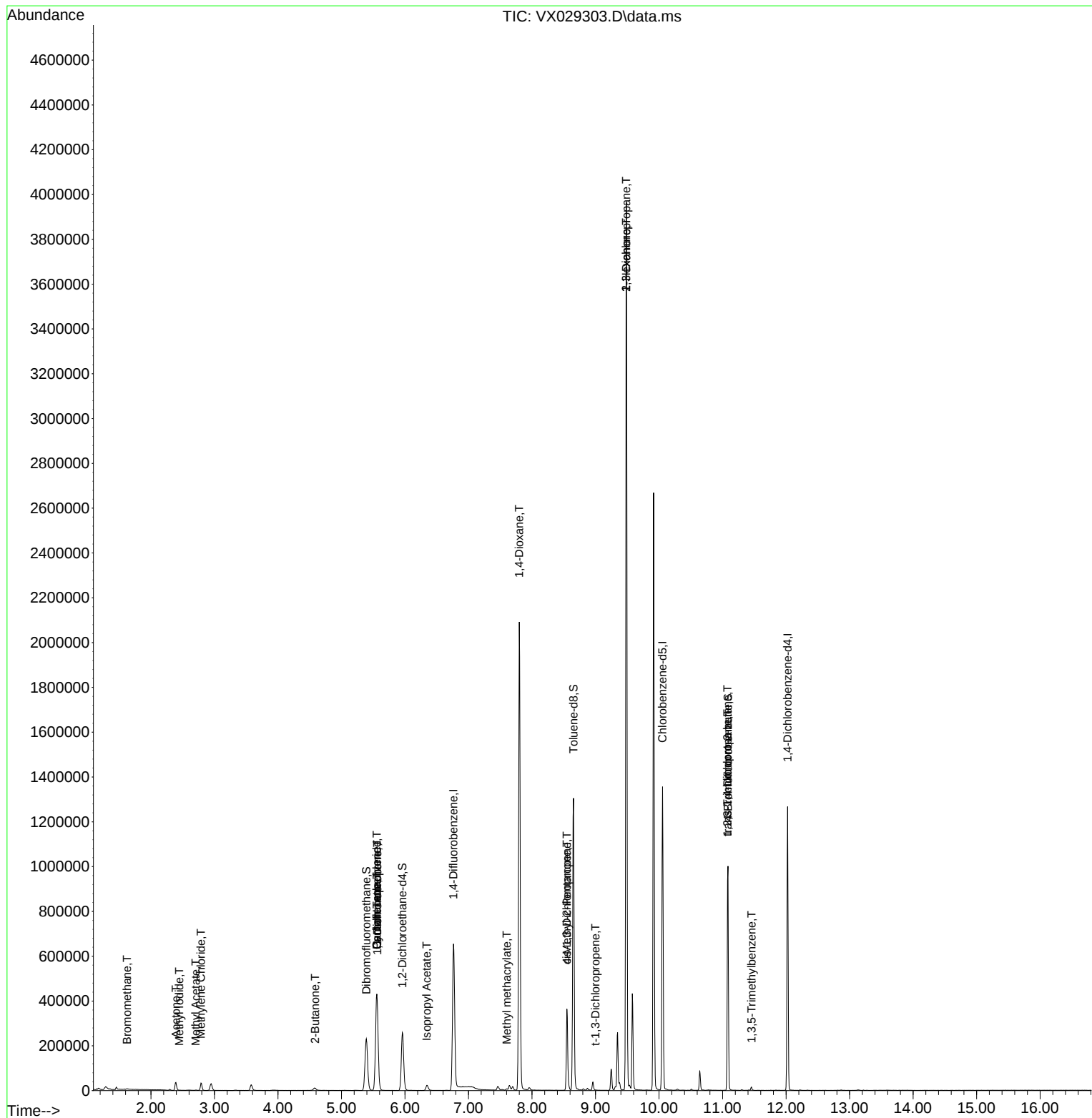
Internal Standards						
1) Pentafluorobenzene	5.556	168	399811	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	674827	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	602357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	259470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	251064	40.935	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	81.860%
35) Dibromofluoromethane	5.391	113	207069	36.094	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	72.180%
50) Toluene-d8	8.653	98	781214	38.502	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	77.000%
62) 4-Bromofluorobenzene	11.085	95	283119	35.656	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	71.320%
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	1059	0.281	ug/l	93
6) Chloroethane	1.666	64	174	Below Cal		98
10) Methyl Iodide	2.447	142	421	1.289	ug/l #	61
11) Tert butyl alcohol	2.940	59	18399	Below Cal	#	74
16) Acetone	2.392	43	42573	13.163	ug/l	95
18) Methyl Acetate	2.703	43	2062	0.241	ug/l #	87
20) Methylene Chloride	2.788	84	15679	2.171	ug/l	96
25) 2-Butanone	4.586	43	6161	1.204	ug/l #	85
31) Cyclohexane	5.556	56	8393	0.774	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	31828	3.358	ug/l #	49
38) Carbon Tetrachloride	5.556	117	43962	4.539	ug/l #	15
41) Methacrylonitrile	4.916	41	60	Below Cal	#	18
43) Isopropyl Acetate	6.342	43	31849	2.167	ug/l	96
48) Methyl methacrylate	7.604	41	8779	1.188	ug/l #	7
49) 1,4-Dioxane	7.799	88	343	1.804	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	117536	12.220	ug/l #	45
53) t-1,3-Dichloropropene	9.000	75	27	1.319	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	59223	5.562	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	38147	3.089	ug/l #	43
59) 2-Hexanone	9.482	43	457871	62.612	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	139070	22.947	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.457	105	6580	0.379	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	139070	70.422	ug/l #	15

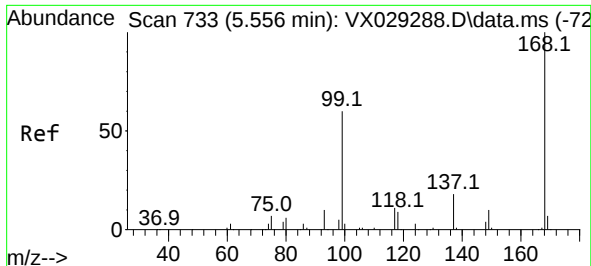
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 08 05:17:17 2022
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Quant Title : SW846 8260
QLast Update : Wed Jun 08 03:00:38 2022
Response via : Initial Calibration

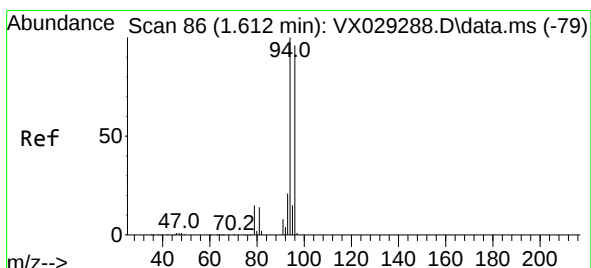
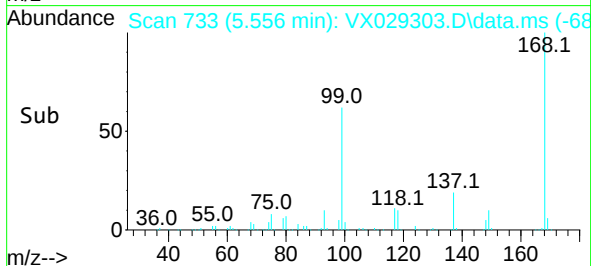
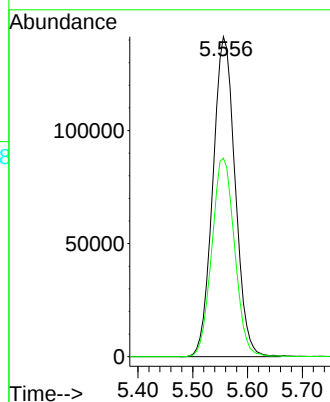
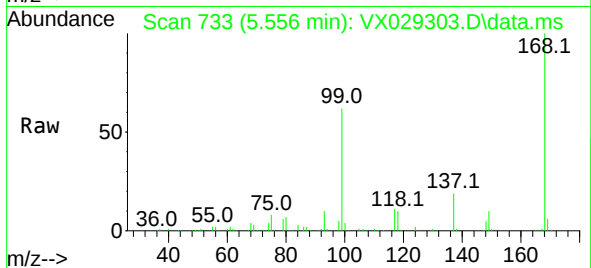




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029303.D
Acq: 08 Jun 2022 03:03

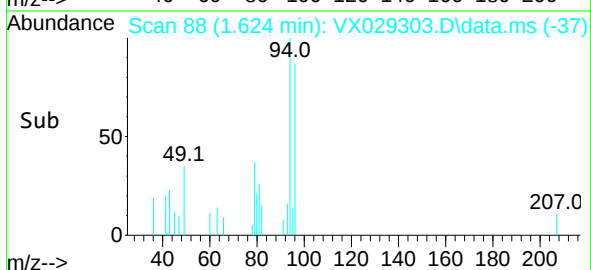
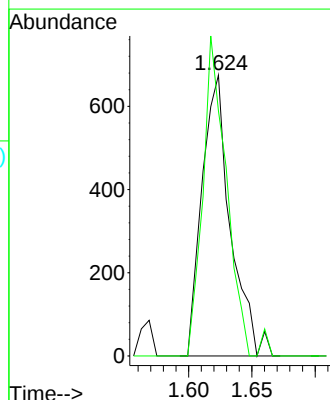
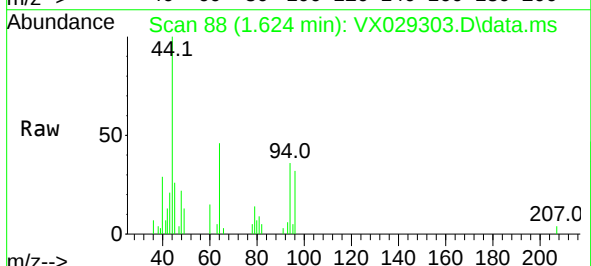
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#07

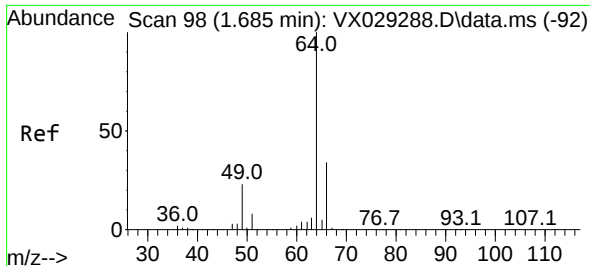
Tgt Ion:168 Resp: 399811
Ion Ratio Lower Upper
168 100
99 62.0 41.7 62.5



#5
Bromomethane
Concen: 0.281 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.012 min
Lab File: VX029303.D
Acq: 08 Jun 2022 03:03

Tgt Ion: 94 Resp: 1059
Ion Ratio Lower Upper
94 100
96 87.3 75.3 112.9

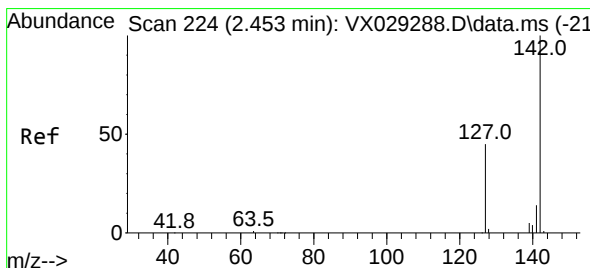
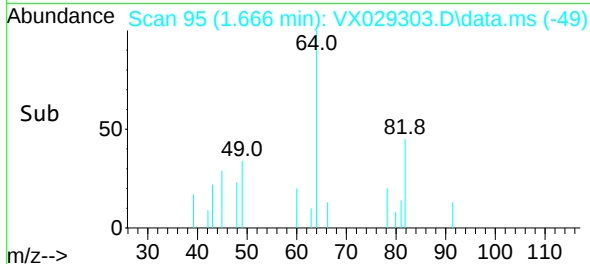
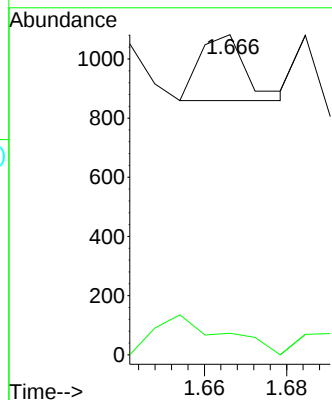
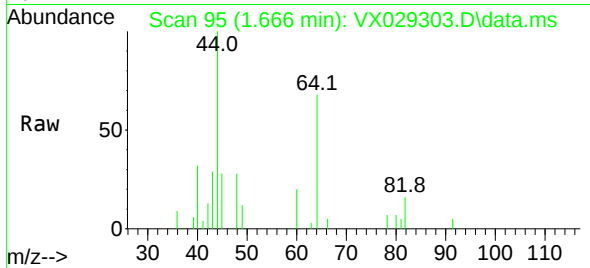




#6
Chloroethane
Concen: Below Cal
RT: 1.666 min Scan# 91
Delta R.T. -0.019 min
Lab File: VX029303.D
Acq: 08 Jun 2022 03:03

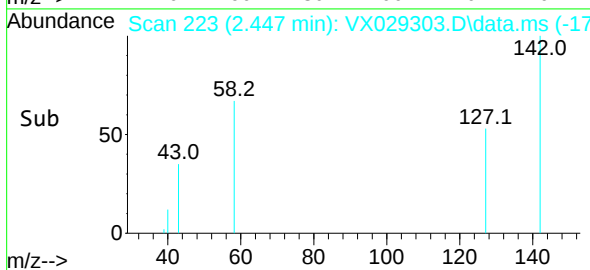
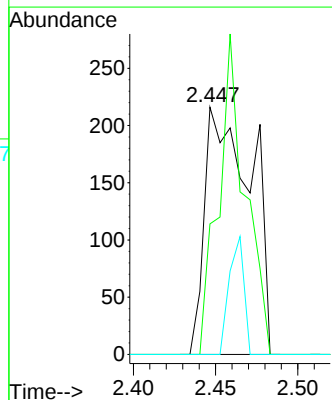
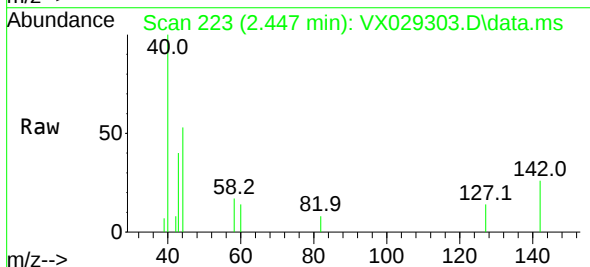
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#07

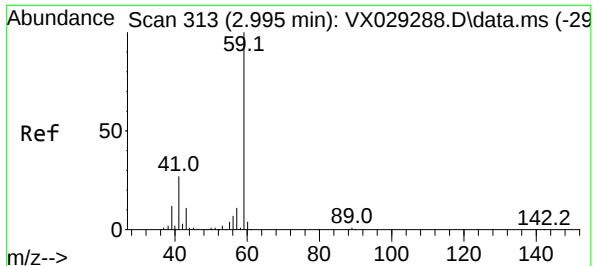
Tgt Ion: 64 Resp: 174
Ion Ratio Lower Upper
64 100
66 32.7 25.3 37.9



#10
Methyl Iodide
Concen: 1.289 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.006 min
Lab File: VX029303.D
Acq: 08 Jun 2022 03:03

Tgt Ion: 142 Resp: 421
Ion Ratio Lower Upper
142 100
127 75.3 33.9 50.9#
141 15.2 11.4 17.2





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.940 min Scan# 30

Delta R.T. -0.055 min

Lab File: VX029303.D

Acq: 08 Jun 2022 03:03

Instrument :

MSVOA_X

ClientSampleId :

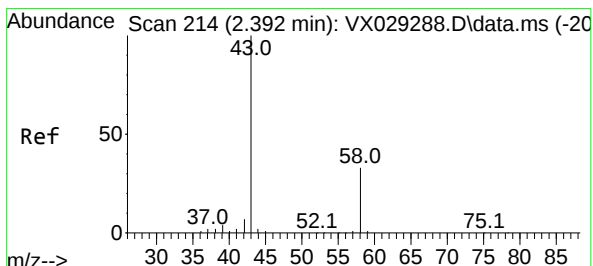
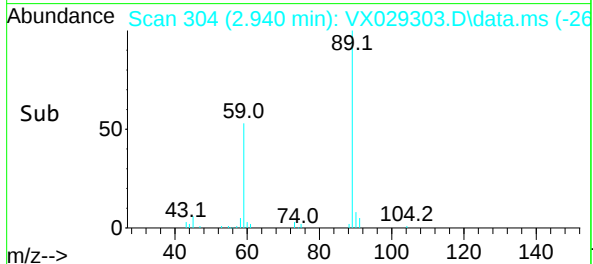
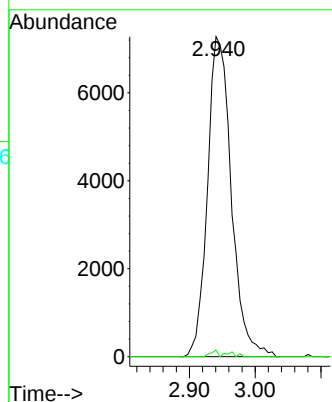
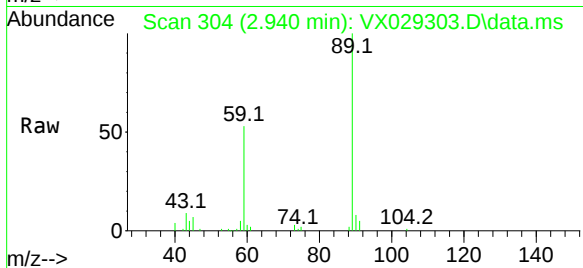
PB145355ZHE#07

Tgt Ion: 59 Resp: 18399

Ion Ratio Lower Upper

59 100

57 0.6 8.3 12.5#



#16

Acetone

Concen: 13.163 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX029303.D

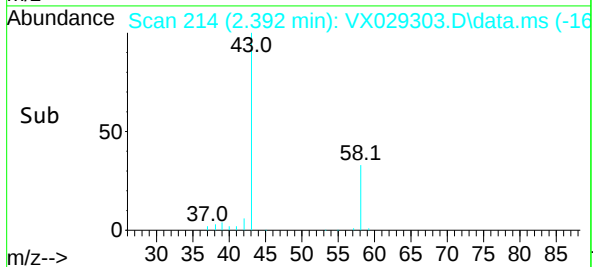
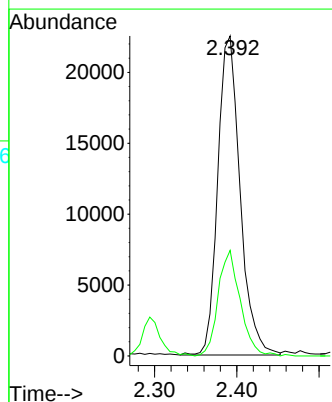
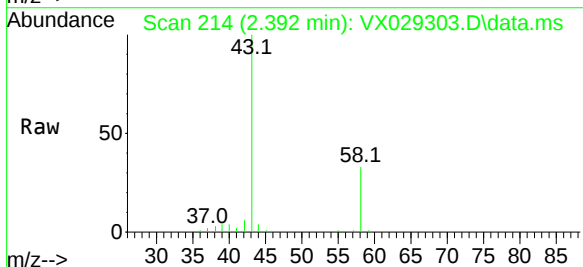
Acq: 08 Jun 2022 03:03

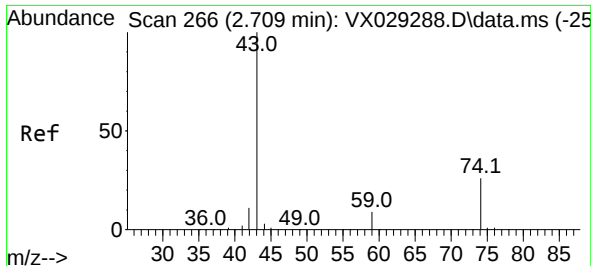
Tgt Ion: 43 Resp: 42573

Ion Ratio Lower Upper

43 100

58 33.1 28.8 43.2





#18

Methyl Acetate

Concen: 0.241 ug/l

RT: 2.703 min Scan# 2

Delta R.T. -0.006 min

Lab File: VX029303.D

Acq: 08 Jun 2022 03:03

Instrument :

MSVOA_X

ClientSampleId :

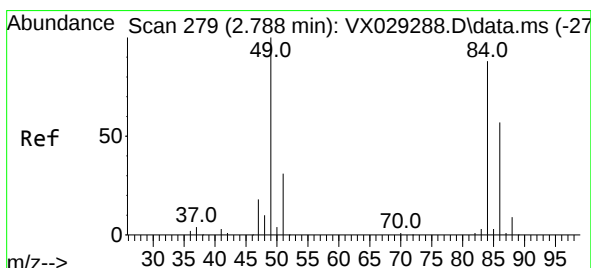
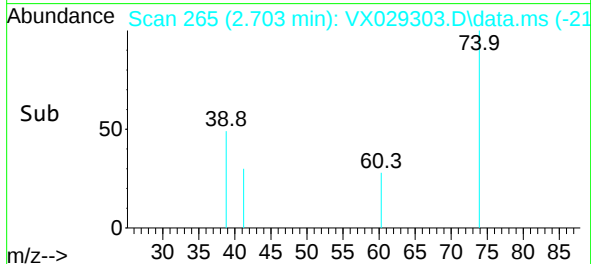
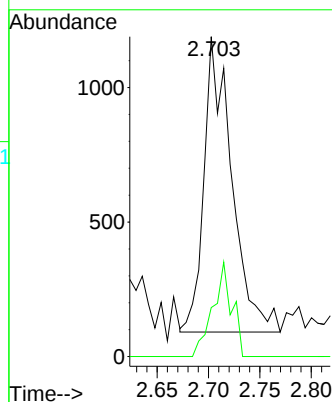
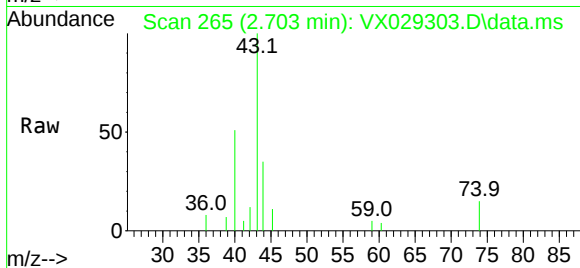
PB145355ZHE#07

Tgt Ion: 43 Resp: 2062

Ion Ratio Lower Upper

43 100

74 21.8 22.8 34.2#



#20

Methylene Chloride

Concen: 2.171 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX029303.D

Acq: 08 Jun 2022 03:03

Tgt Ion: 84 Resp: 15679

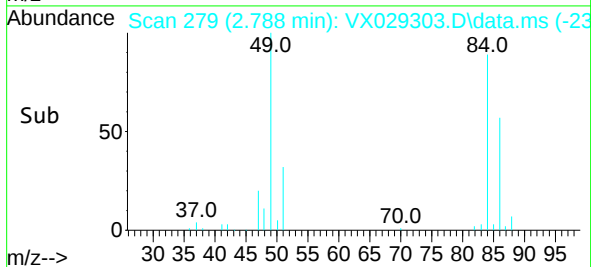
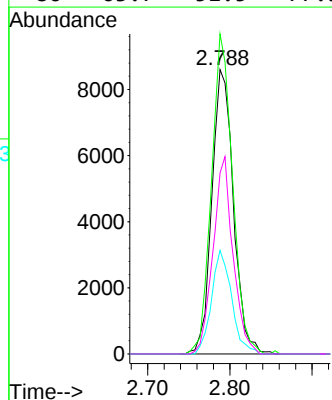
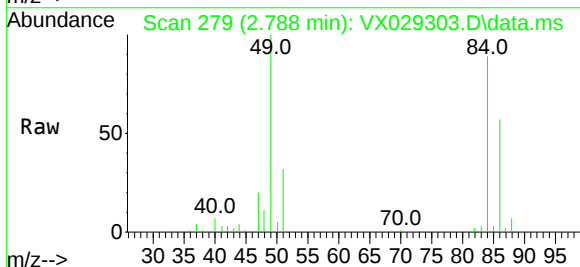
Ion Ratio Lower Upper

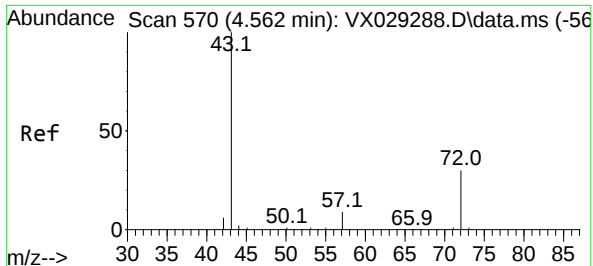
84 100

49 112.6 85.5 128.3

51 36.4 26.6 39.8

86 63.7 51.5 77.3





#25

2-Butanone

Concen: 1.204 ug/l

RT: 4.586 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX029303.D

Acq: 08 Jun 2022 03:03

Instrument :

MSVOA_X

ClientSampleId :

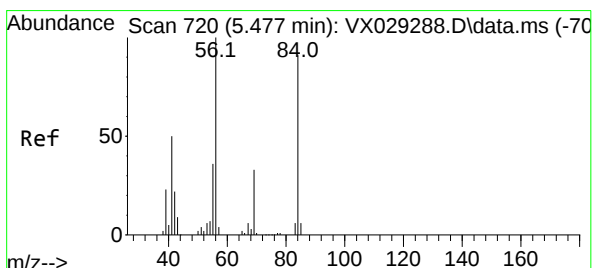
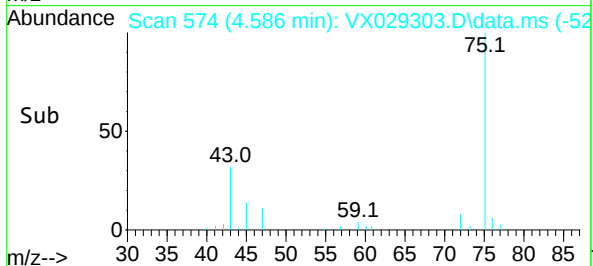
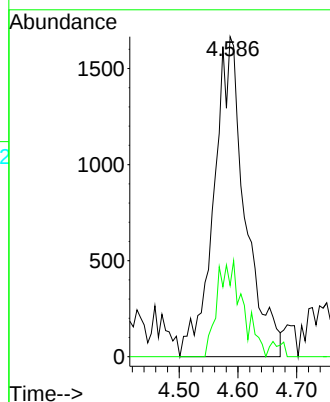
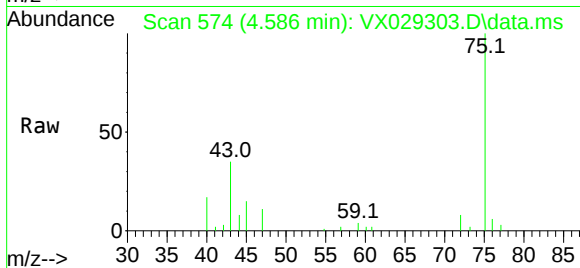
PB145355ZHE#07

Tgt Ion: 43 Resp: 6161

Ion Ratio Lower Upper

43 100

72 22.3 24.4 36.6#



#31

Cyclohexane

Concen: 0.774 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX029303.D

Acq: 08 Jun 2022 03:03

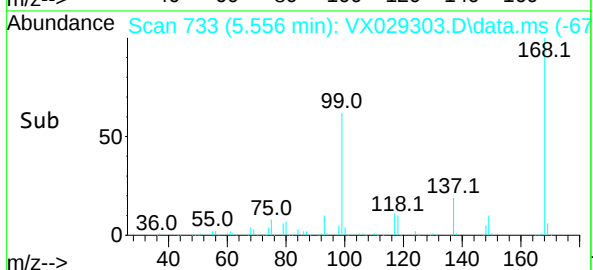
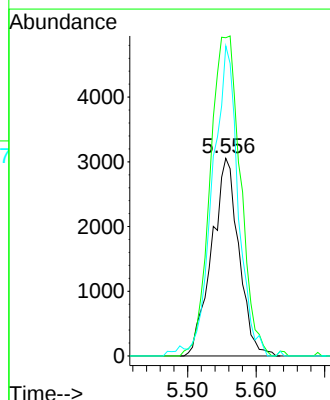
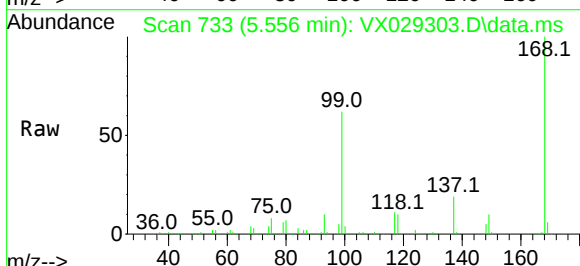
Tgt Ion: 56 Resp: 8393

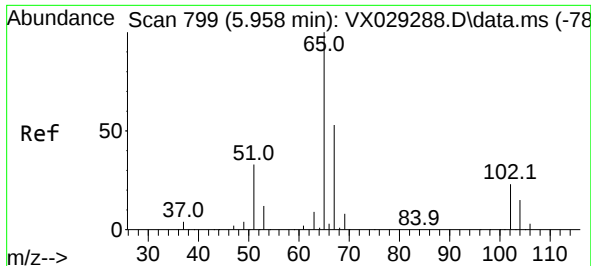
Ion Ratio Lower Upper

56 100

69 161.0 26.7 40.1#

84 154.4 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 40.935 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029303.D

Acq: 08 Jun 2022 03:03

Instrument :

MSVOA_X

ClientSampleId :

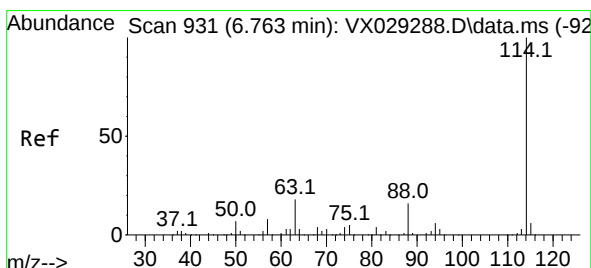
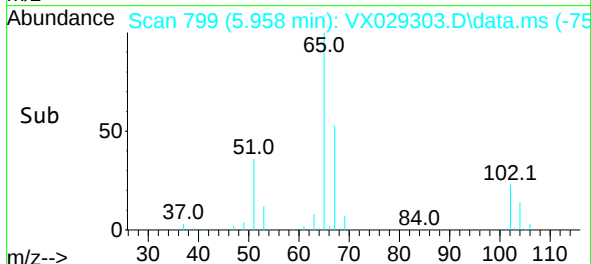
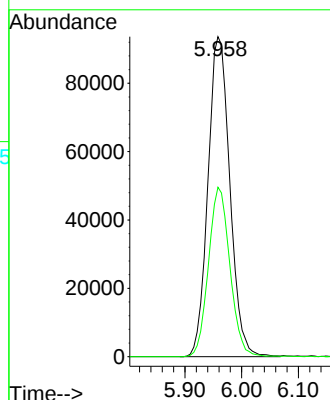
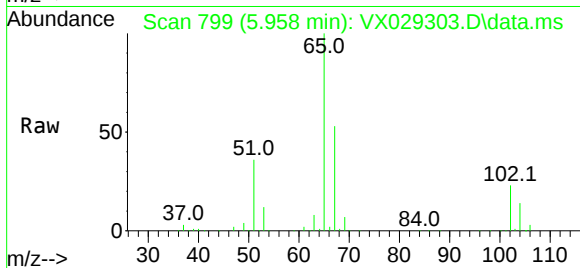
PB145355ZHE#07

Tgt Ion: 65 Resp: 251064

Ion Ratio Lower Upper

65 100

67 51.9 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: VX029303.D

Acq: 08 Jun 2022 03:03

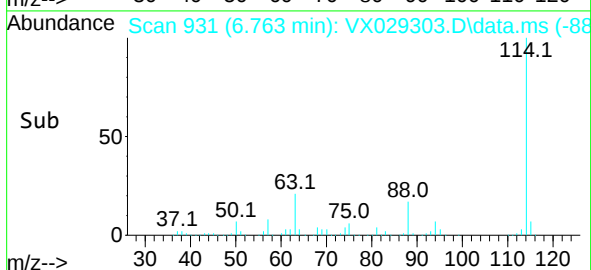
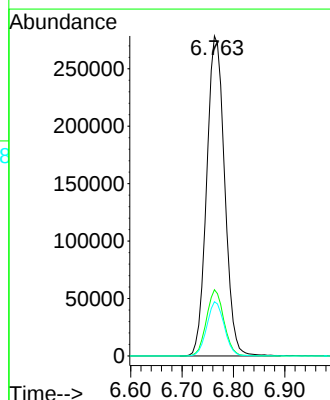
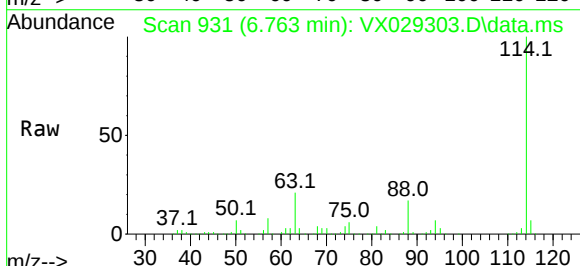
Tgt Ion: 114 Resp: 674827

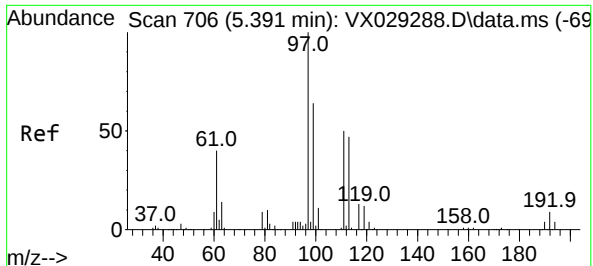
Ion Ratio Lower Upper

114 100

63 20.7 0.0 36.8

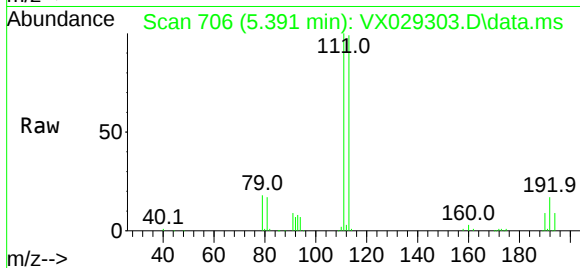
88 17.0 0.0 32.4



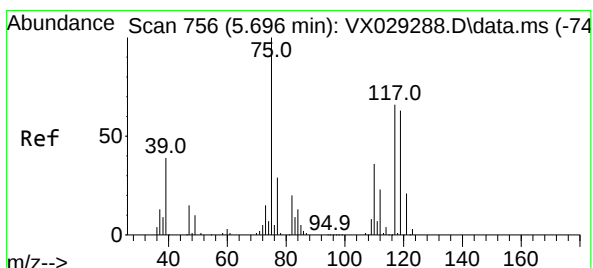
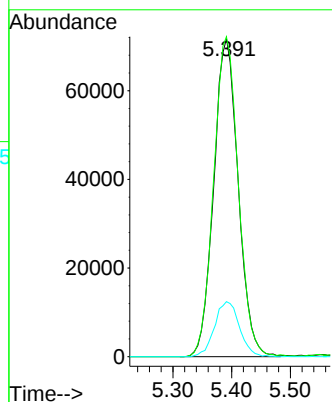
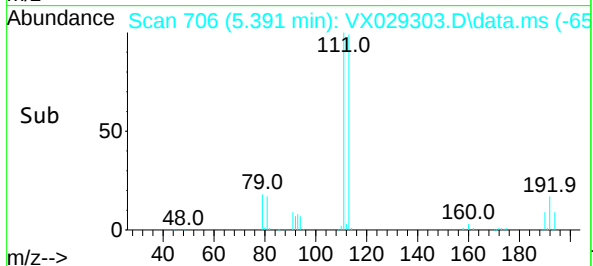


#35
Dibromofluoromethane
Concen: 36.094 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX029303.D
Acq: 08 Jun 2022 03:03

Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#07

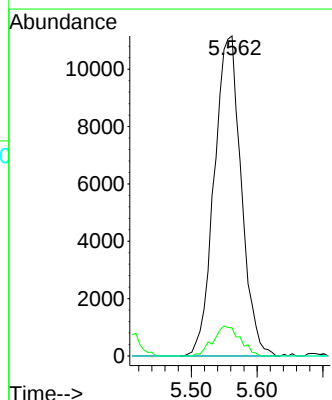
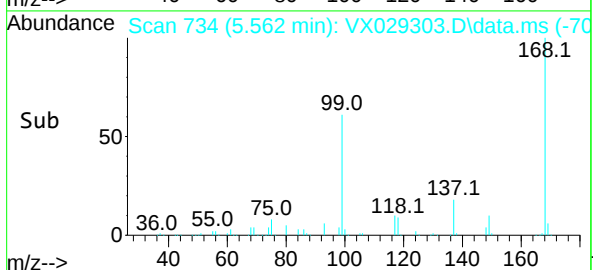
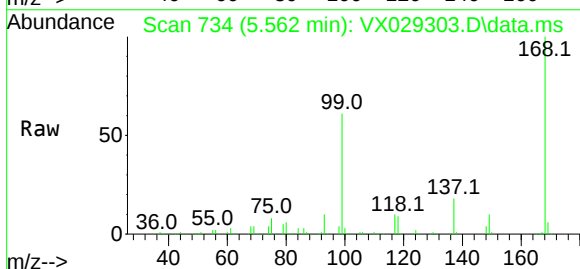


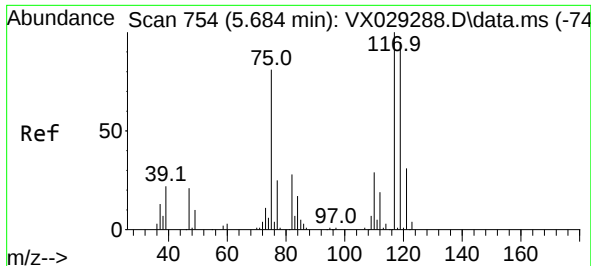
Tgt Ion:113 Resp: 207069
Ion Ratio Lower Upper
113 100
111 101.8 82.8 124.2
192 17.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 3.358 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.134 min
Lab File: VX029303.D
Acq: 08 Jun 2022 03:03

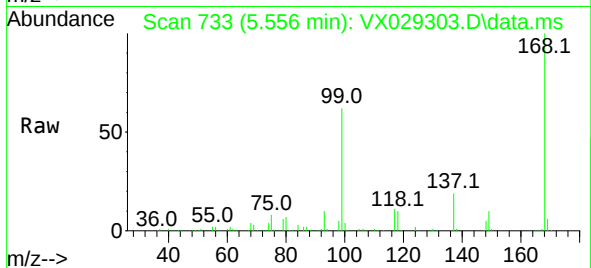
Tgt Ion: 75 Resp: 31828
Ion Ratio Lower Upper
75 100
110 9.4 18.3 54.8#
77 0.0 24.8 37.2#



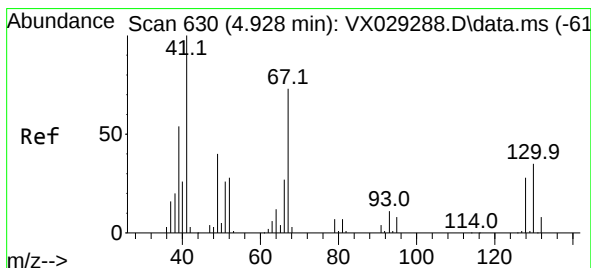
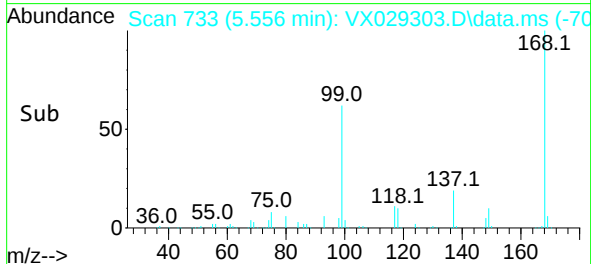
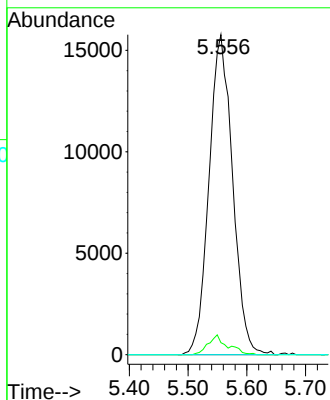


#38
Carbon Tetrachloride
Concen: 4.539 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX029303.D
Acq: 08 Jun 2022 03:03

Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#07

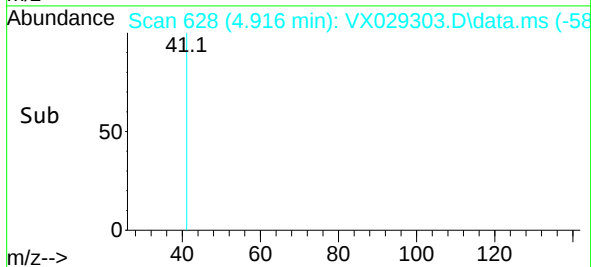
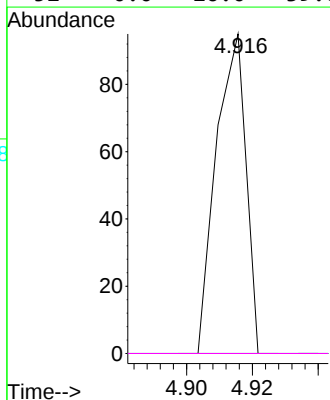
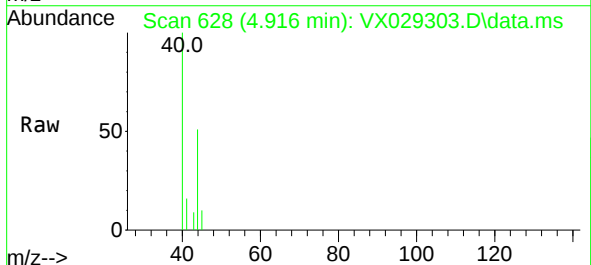


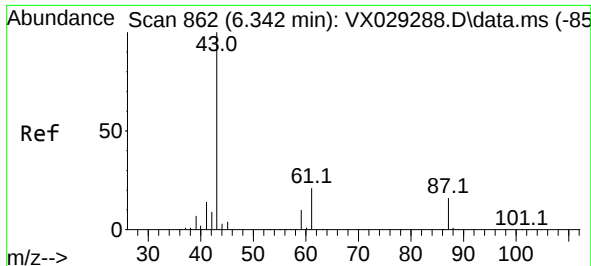
Tgt Ion:117 Resp: 43962
Ion Ratio Lower Upper
117 100
119 3.7 77.3 115.9#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: Below Cal
RT: 4.916 min Scan# 628
Delta R.T. -0.012 min
Lab File: VX029303.D
Acq: 08 Jun 2022 03:03

Tgt Ion: 41 Resp: 60
Ion Ratio Lower Upper
41 100
39 0.0 43.0 64.4#
67 0.0 70.2 105.4#
52 0.0 26.0 39.0#

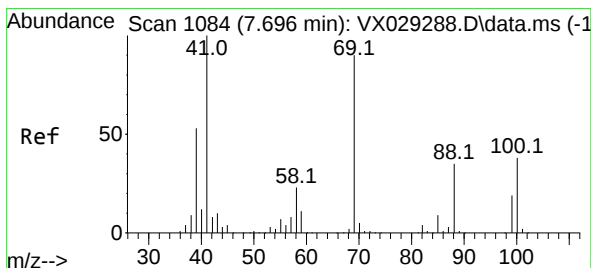
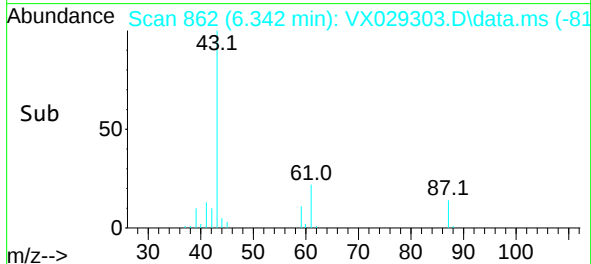
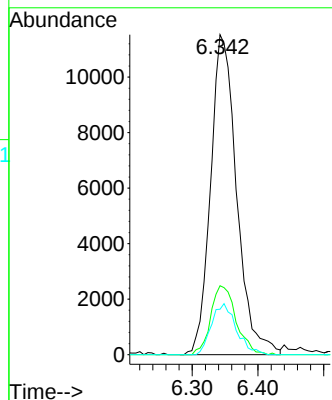
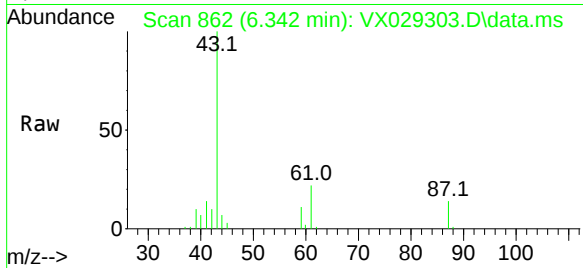




#43
Isopropyl Acetate
Concen: 2.167 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX029303.D
Acq: 08 Jun 2022 03:03

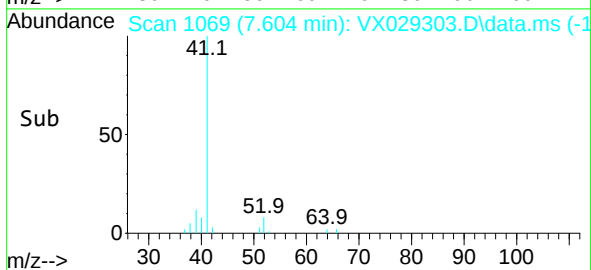
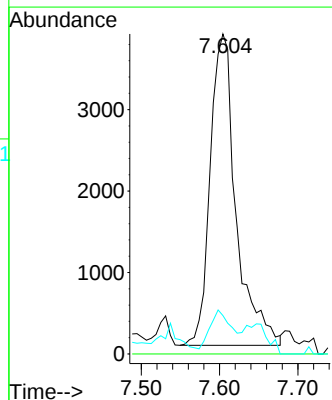
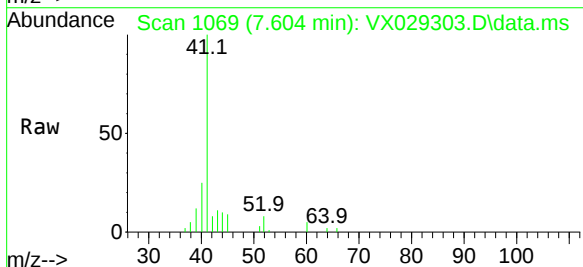
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#07

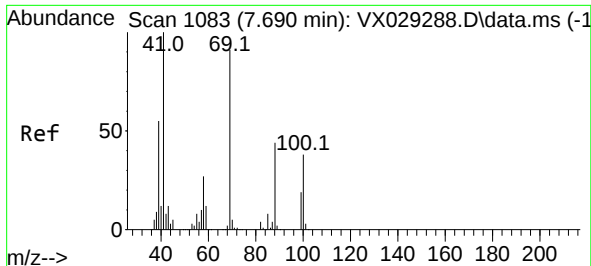
Tgt Ion: 43 Resp: 31849
Ion Ratio Lower Upper
43 100
61 21.0 18.5 27.7
87 15.2 13.0 19.6



#48
Methyl methacrylate
Concen: 1.188 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX029303.D
Acq: 08 Jun 2022 03:03

Tgt Ion: 41 Resp: 8779
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: 1.804 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.110 min

Lab File: VX029303.D

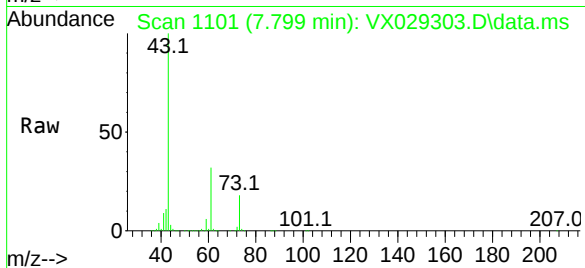
Acq: 08 Jun 2022 03:03

Instrument :

MSVOA_X

ClientSampleId :

PB145355ZHE#07



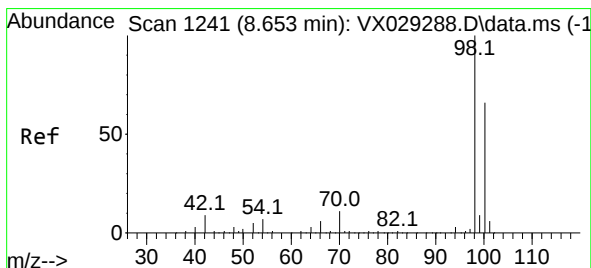
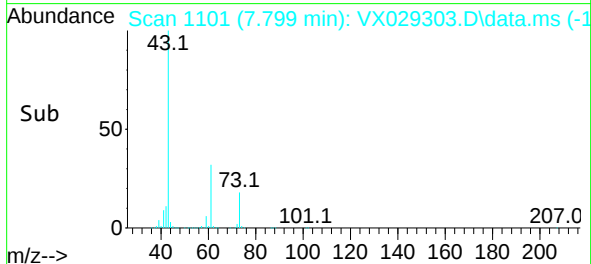
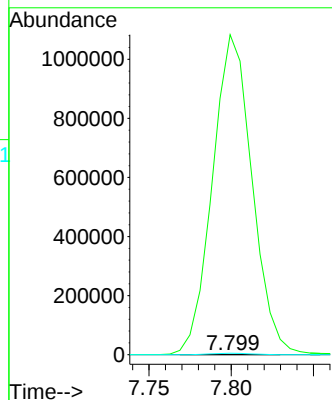
Tgt Ion: 88 Resp: 343

Ion Ratio Lower Upper

88 100

43 533388.6 21.9 32.9#

58 2421.6 53.7 80.5#



#50

Toluene-d8

Concen: 38.502 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX029303.D

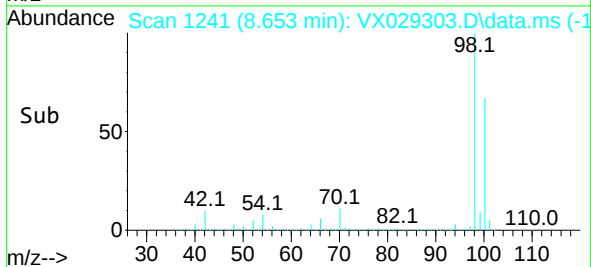
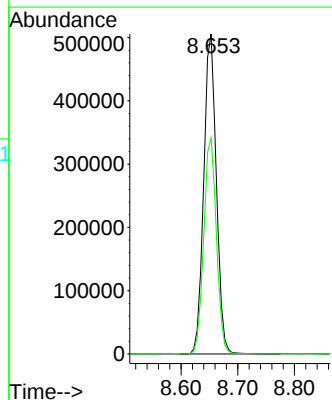
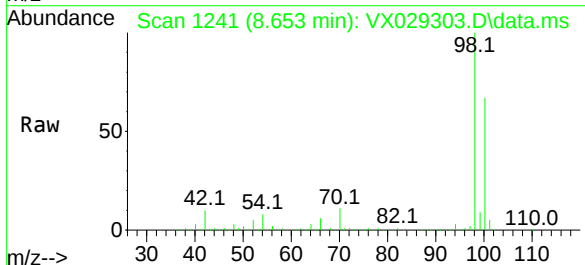
Acq: 08 Jun 2022 03:03

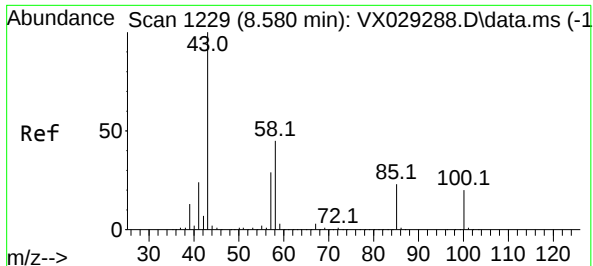
Tgt Ion: 98 Resp: 781214

Ion Ratio Lower Upper

98 100

100 67.9 52.6 78.8

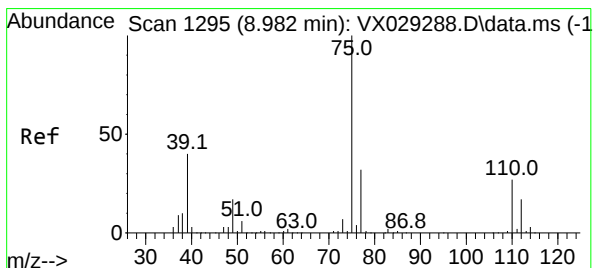
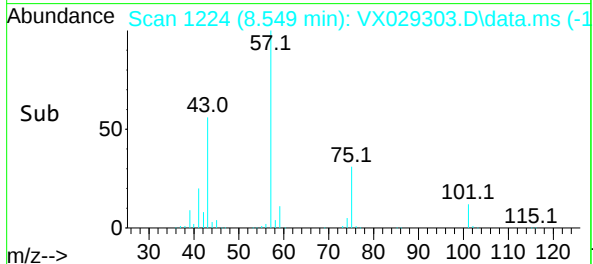
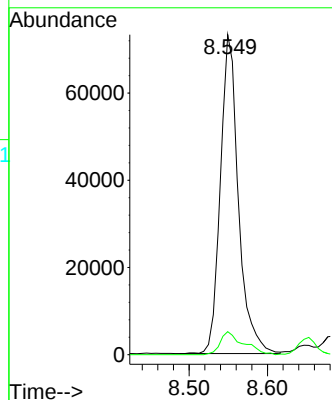
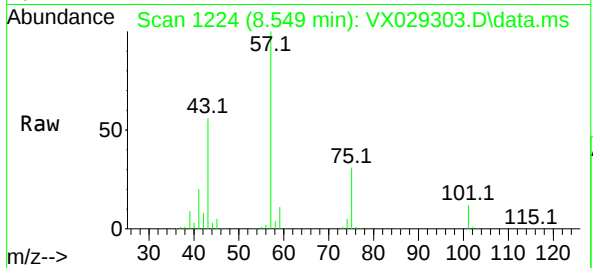




#51
4-Methyl-2-Pentanone
Concen: 12.220 ug/l
RT: 8.549 min Scan# 117536
Delta R.T. -0.031 min
Lab File: VX029303.D
Acq: 08 Jun 2022 03:03

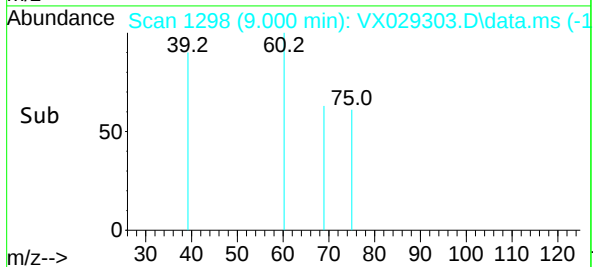
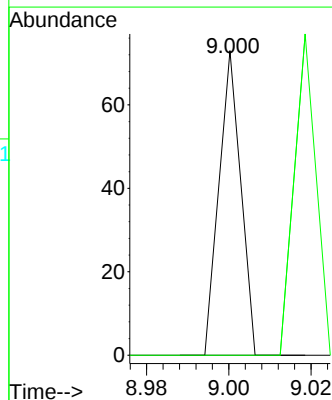
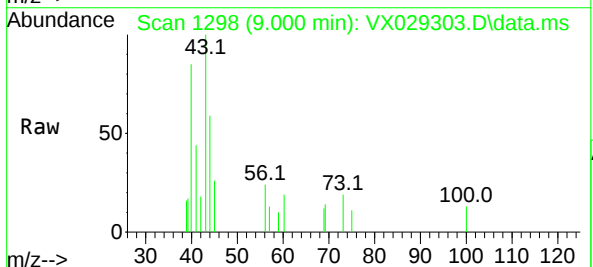
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#07

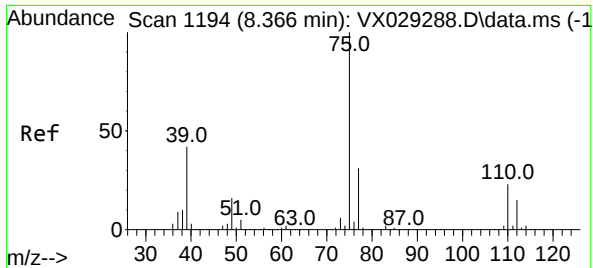
Tgt Ion: 43 Resp: 117536
Ion Ratio Lower Upper
43 100
58 9.3 36.1 54.1#



#53
t-1,3-Dichloropropene
Concen: 1.319 ug/l
RT: 9.000 min Scan# 1298
Delta R.T. 0.018 min
Lab File: VX029303.D
Acq: 08 Jun 2022 03:03

Tgt Ion: 75 Resp: 27
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

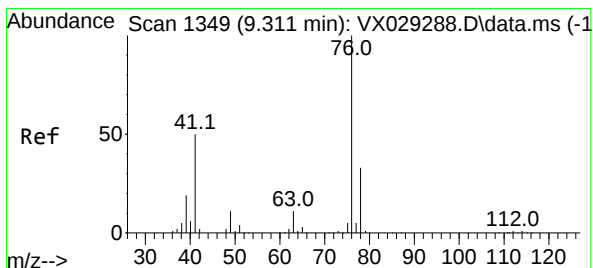
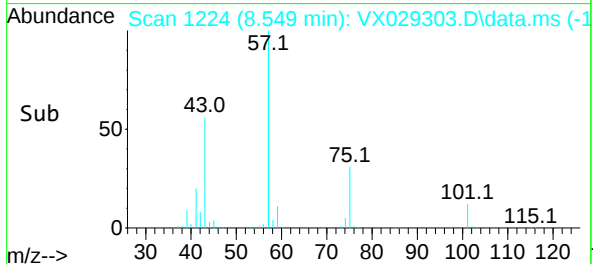
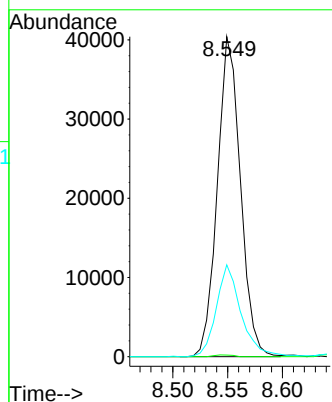
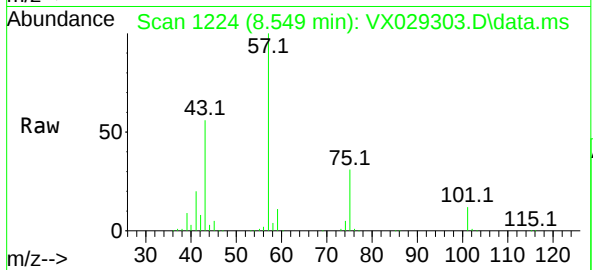




#54
 cis-1,3-Dichloropropene
 Concen: 5.562 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX029303.D
 Acq: 08 Jun 2022 03:03

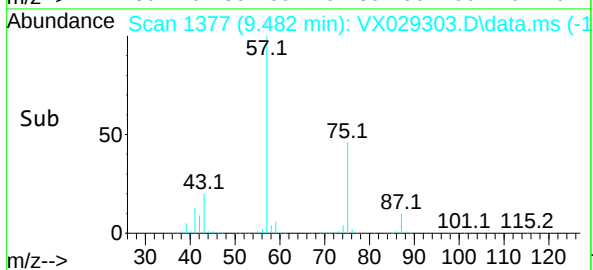
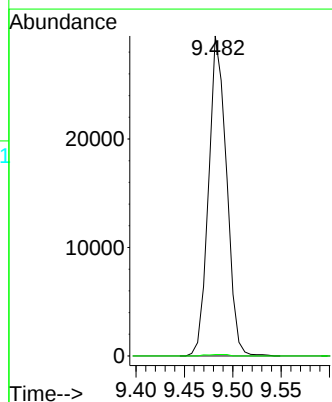
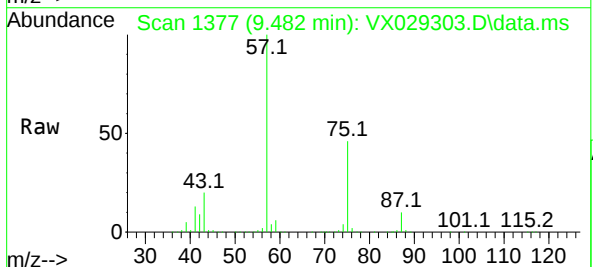
Instrument :
 MSVOA_X
 ClientSampleId :
 PB145355ZHE#07

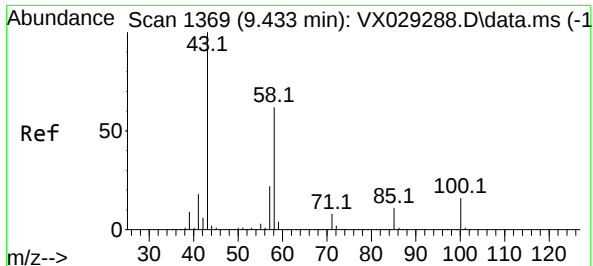
Tgt Ion: 75 Resp: 59223
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.8 37.2#
 39 28.7 29.6 44.4#



#57
 1,3-Dichloropropane
 Concen: 3.089 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.170 min
 Lab File: VX029303.D
 Acq: 08 Jun 2022 03:03

Tgt Ion: 76 Resp: 38147
 Ion Ratio Lower Upper
 76 100
 78 0.6 25.8 38.8#





#59

2-Hexanone

Concen: 62.612 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX029303.D

Acq: 08 Jun 2022 03:03

Instrument :

MSVOA_X

ClientSampleId :

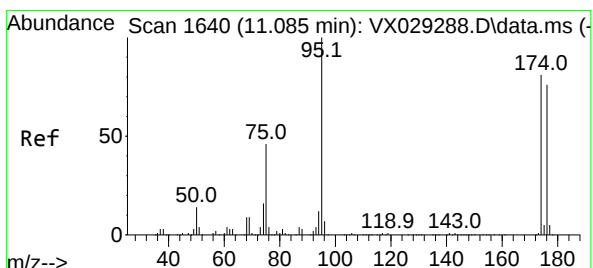
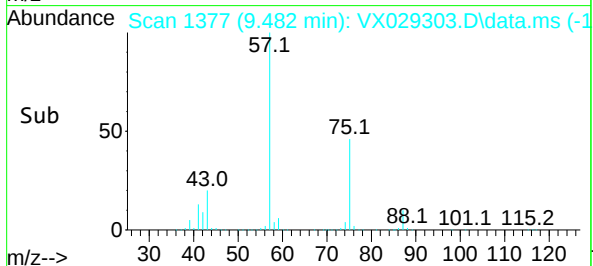
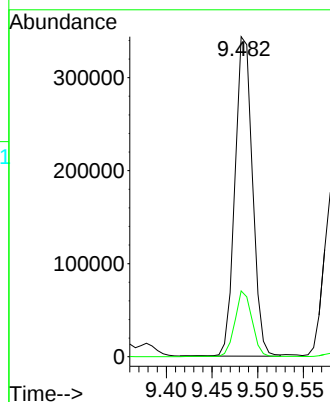
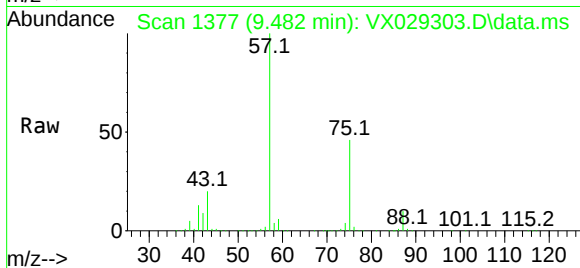
PB145355ZHE#07

Tgt Ion: 43 Resp: 457871

Ion Ratio Lower Upper

43 100

58 19.8 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 35.656 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.000 min

Lab File: VX029303.D

Acq: 08 Jun 2022 03:03

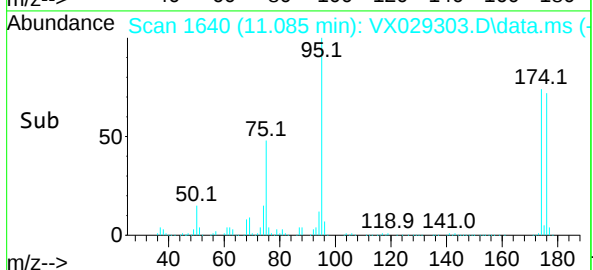
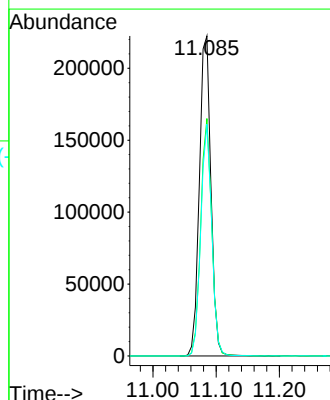
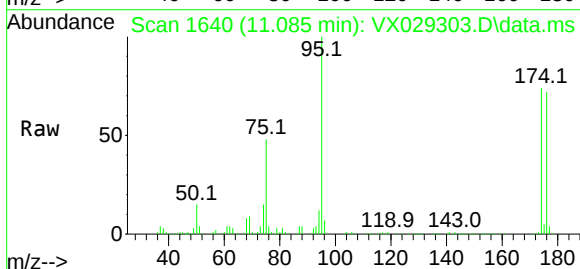
Tgt Ion: 95 Resp: 283119

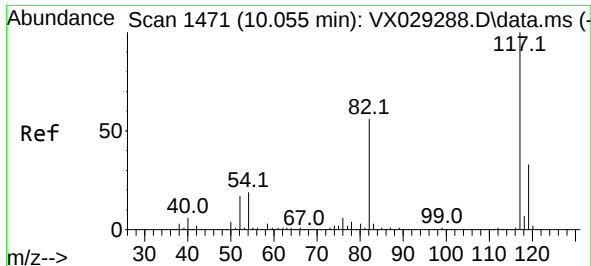
Ion Ratio Lower Upper

95 100

174 70.9 0.0 163.0

176 69.0 0.0 155.0

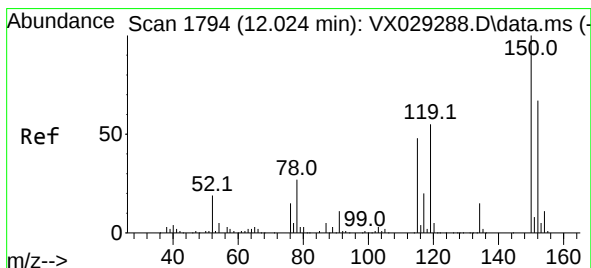
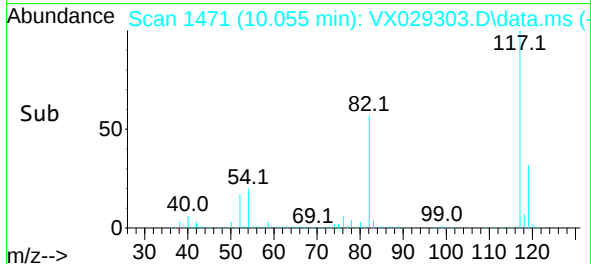
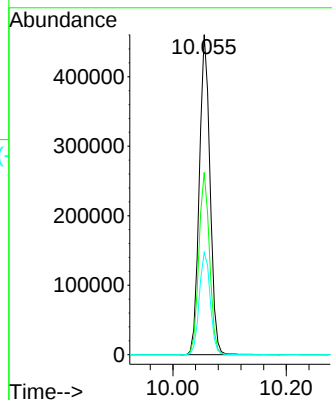
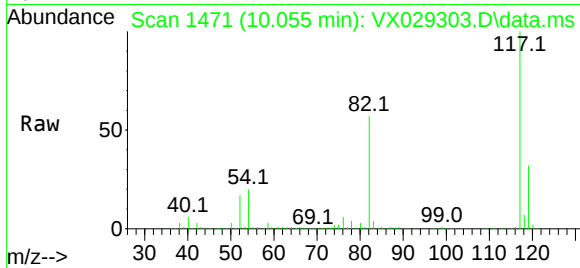




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029303.D
Acq: 08 Jun 2022 03:03

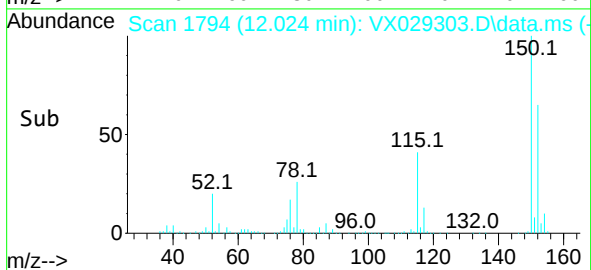
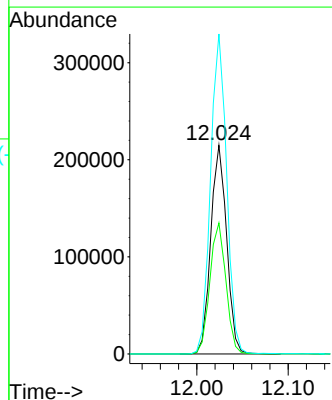
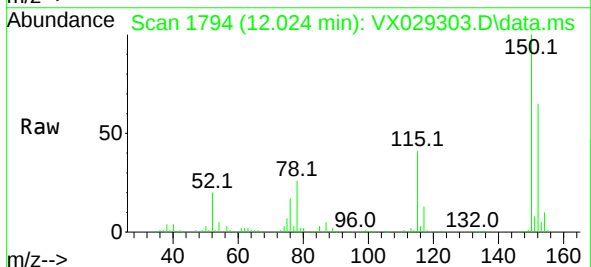
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#07

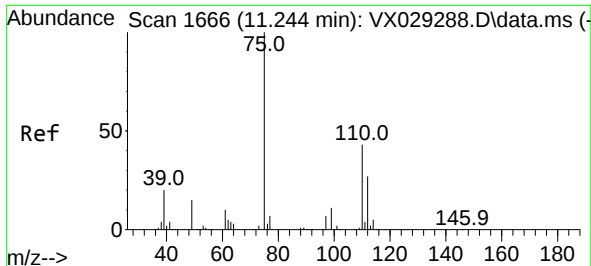
Tgt Ion:117 Resp: 602357
Ion Ratio Lower Upper
117 100
82 56.9 41.8 62.8
119 32.0 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX029303.D
Acq: 08 Jun 2022 03:03

Tgt Ion:152 Resp: 259470
Ion Ratio Lower Upper
152 100
115 63.4 37.5 112.7
150 154.8 0.0 338.2

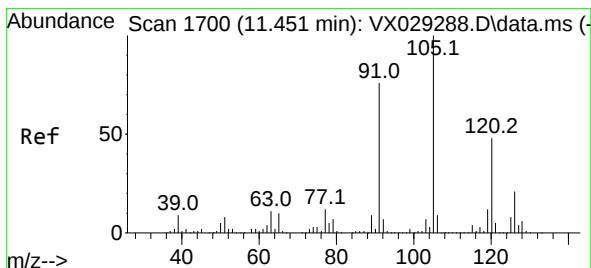
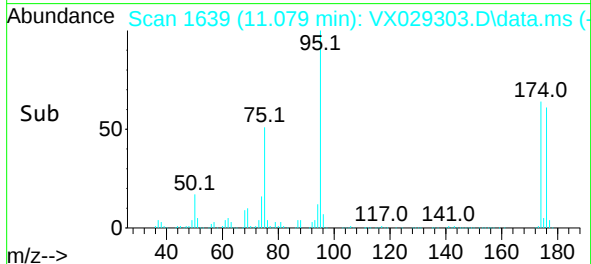
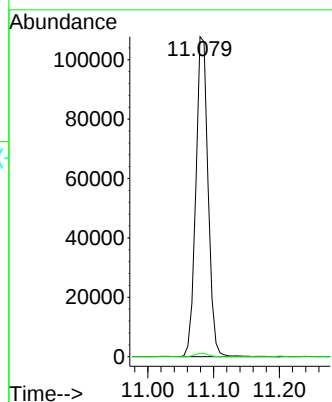
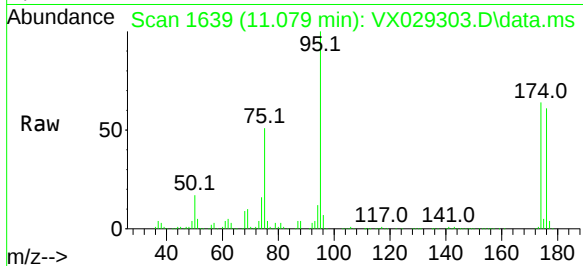




#76
1,2,3-Trichloropropane
Concen: 22.947 ug/l
RT: 11.079 min Scan# 110
Delta R.T. -0.165 min
Lab File: VX029303.D
Acq: 08 Jun 2022 03:03

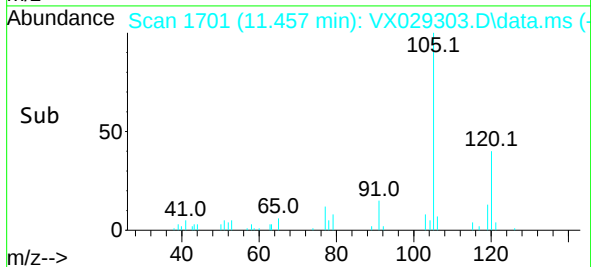
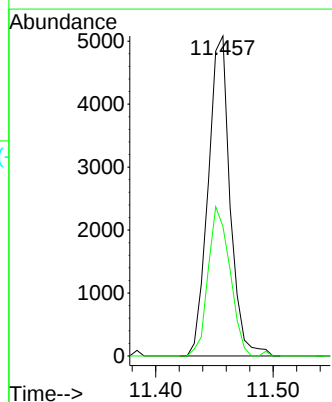
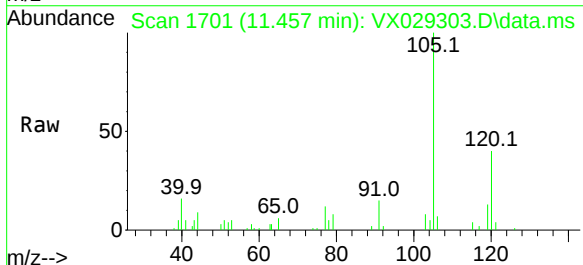
Instrument :
MSVOA_X
ClientSampleId :
PB145355ZHE#07

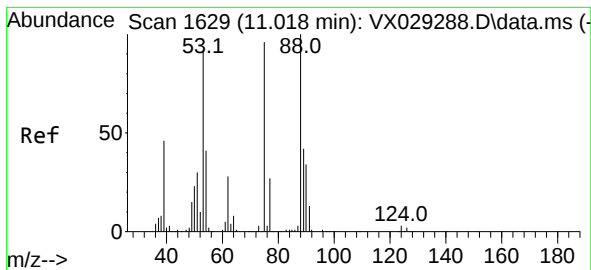
Tgt Ion: 75 Resp: 139070
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.379 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX029303.D
Acq: 08 Jun 2022 03:03

Tgt Ion: 105 Resp: 6580
Ion Ratio Lower Upper
105 100
120 46.2 24.3 72.9





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.422 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX029303.D
 Acq: 08 Jun 2022 03:03

Instrument :
 MSVOA_X
 ClientSampleId :
 PB145355ZHE#07

Tgt Ion: 75 Resp: 139070
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

