

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112321\
 Data File : VX025308.D
 Acq On : 24 Nov 2021 04:41
 Operator : JC/MD
 Sample : PB140964TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB140964TB

Quant Time: Nov 24 09:55:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

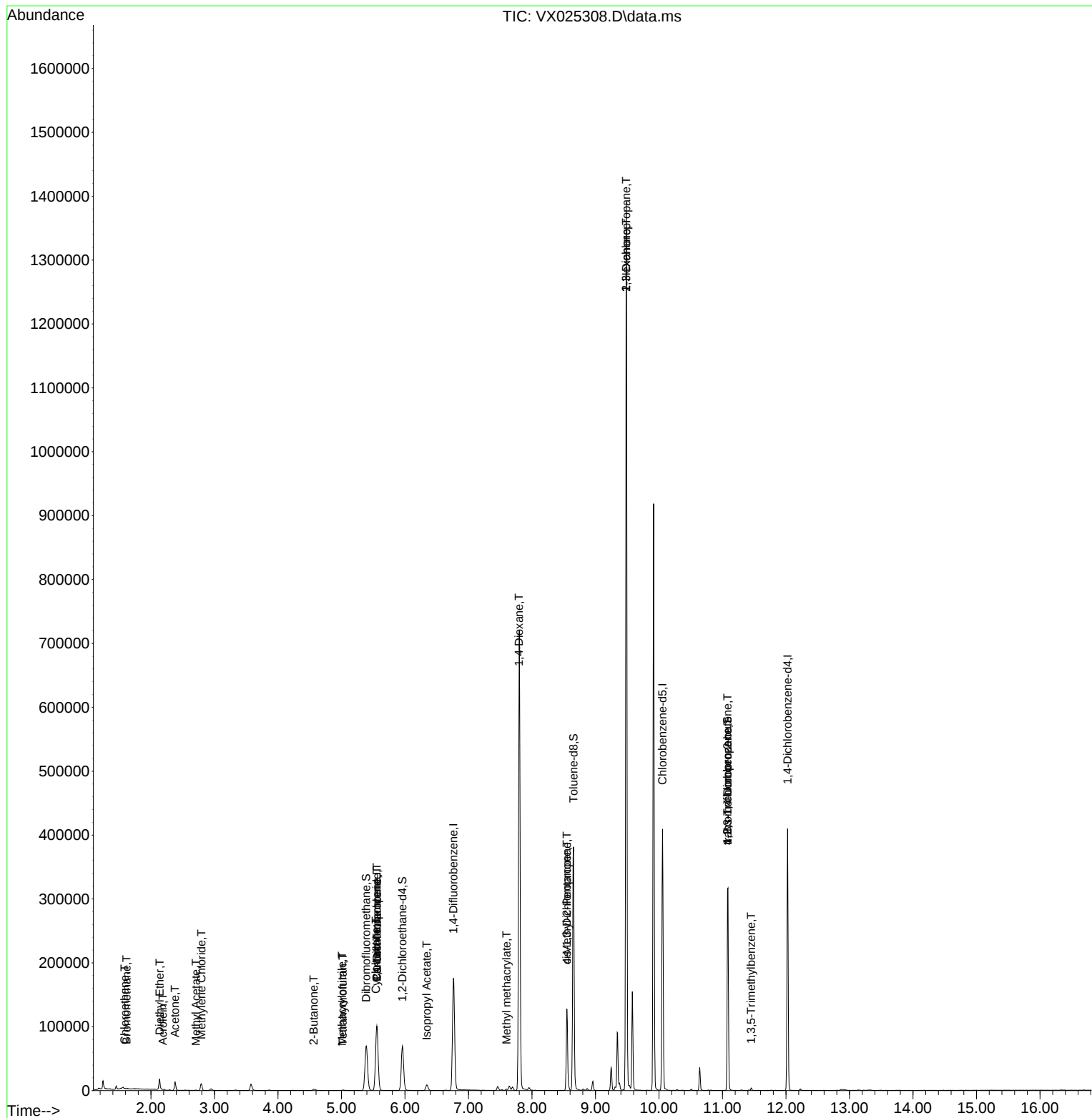
Internal Standards						
1) Pentafluorobenzene	5.556	168	105732	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	191489	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	191265	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	87976	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	64389	57.775	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	115.540%
35) Dibromofluoromethane	5.385	113	60924	51.854	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.700%
50) Toluene-d8	8.653	98	229997	52.065	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	104.120%
62) 4-Bromofluorobenzene	11.079	95	88005	52.660	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.320%
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	315	0.588	ug/l	93
6) Chloroethane	1.587	64	638	0.742	ug/l	96
8) Diethyl Ether	2.136	74	5384	7.055	ug/l	95
11) Tert butyl alcohol	2.947	59	1566	Below Cal	#	72
13) Acrolein	2.185	56	25	0.490	ug/l #	1
16) Acetone	2.380	43	13932	22.497	ug/l	100
18) Methyl Acetate	2.709	43	724	0.366	ug/l #	73
20) Methylene Chloride	2.794	84	5011	4.305	ug/l	95
25) 2-Butanone	4.562	43	2679	2.992	ug/l	98
29) Tetrahydrofuran	5.019	42	608	1.097	ug/l #	62
31) Cyclohexane	5.544	56	1740	1.010	ug/l #	26
36) 1,1-Dichloropropene	5.556	75	6864	4.109	ug/l #	50
38) Carbon Tetrachloride	5.556	117	9767	5.308	ug/l #	16
41) Methacrylonitrile	5.007	41	233	0.221	ug/l #	48
43) Isopropyl Acetate	6.342	43	12319	3.894	ug/l	98
48) Methyl methacrylate	7.598	41	3402	2.291	ug/l #	14
49) 1,4-Dioxane	7.793	88	122	3.891	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	42862	21.608	ug/l #	51
54) cis-1,3-Dichloropropene	8.549	75	20968	9.809	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	12410	5.702	ug/l #	43
59) 2-Hexanone	9.482	43	160781	102.814	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	42272	23.464	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.451	105	1940	0.368	ug/l	93
81) trans-1,4-Dichloro-2-b...	11.079	75	42272	59.110	ug/l #	9
95) Naphthalene	13.774	128	270	Below Cal	#	69

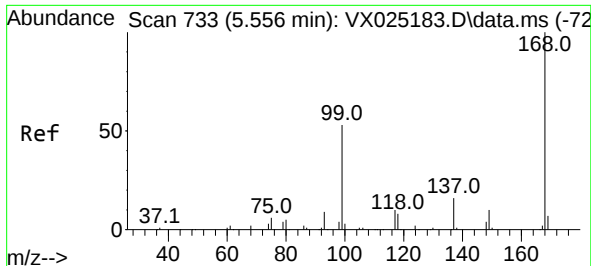
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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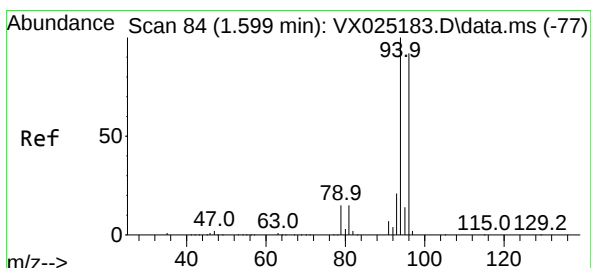
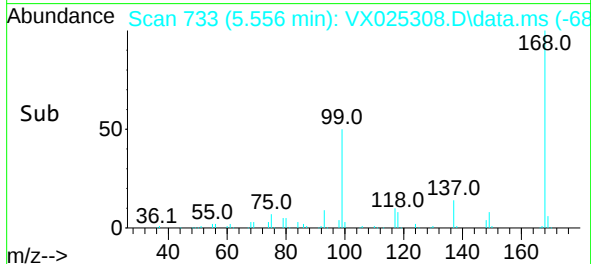
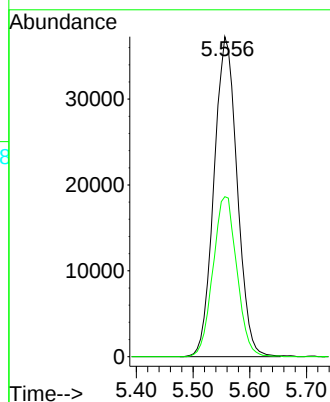
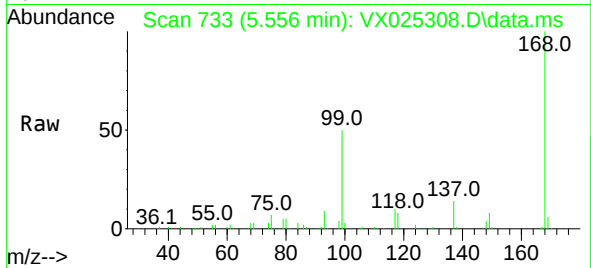




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025308.D
Acq: 24 Nov 2021 04:41

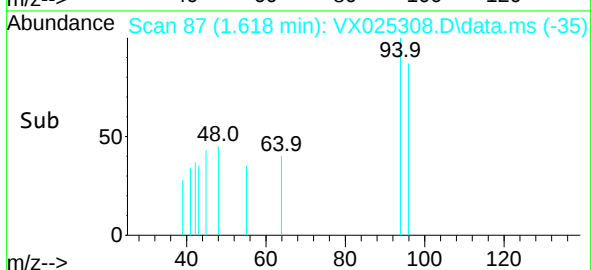
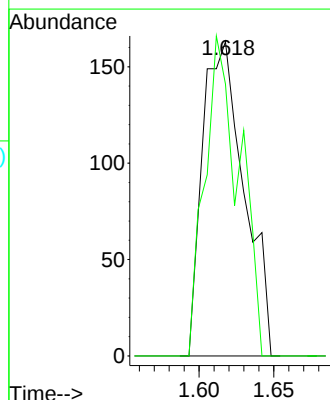
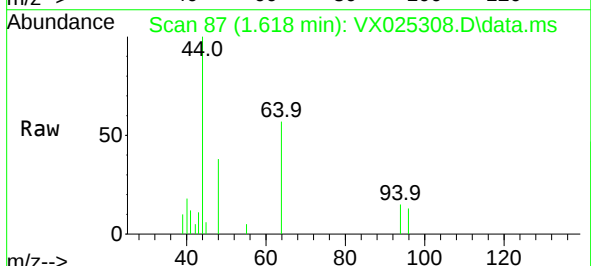
Instrument :
MSVOA_X
ClientSampleId :
PB140964TB

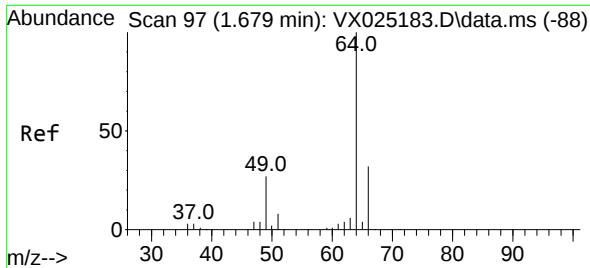
Tgt Ion:168 Resp: 105732
Ion Ratio Lower Upper
168 100
99 50.0 46.4 69.6



#5
Bromomethane
Concen: 0.588 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX025308.D
Acq: 24 Nov 2021 04:41

Tgt Ion: 94 Resp: 315
Ion Ratio Lower Upper
94 100
96 86.5 74.8 112.2

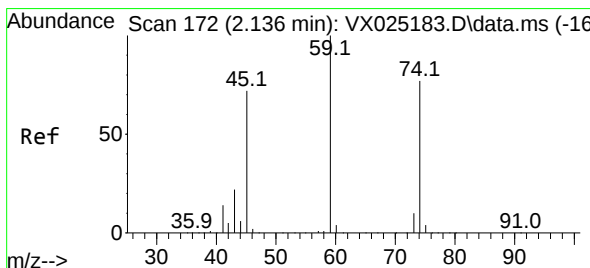
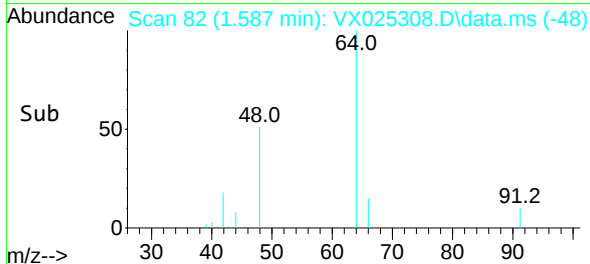
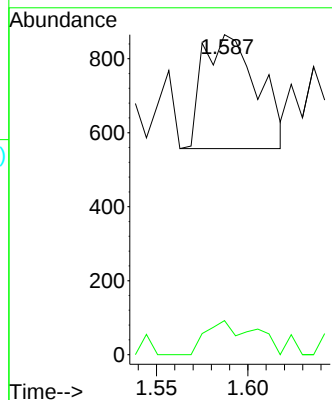
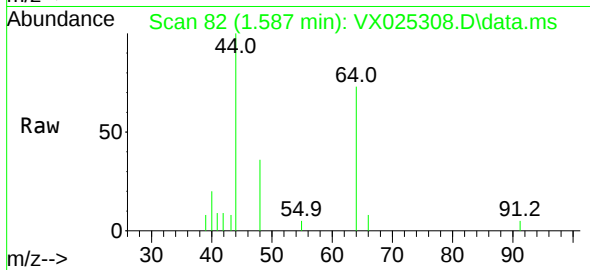




#6
Chloroethane
Concen: 0.742 ug/l
RT: 1.587 min Scan# 81
Delta R.T. -0.092 min
Lab File: VX025308.D
Acq: 24 Nov 2021 04:41

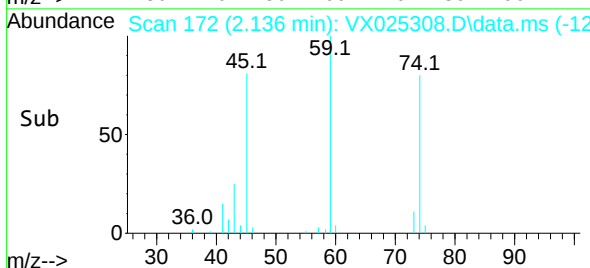
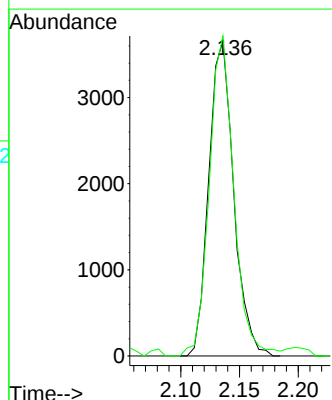
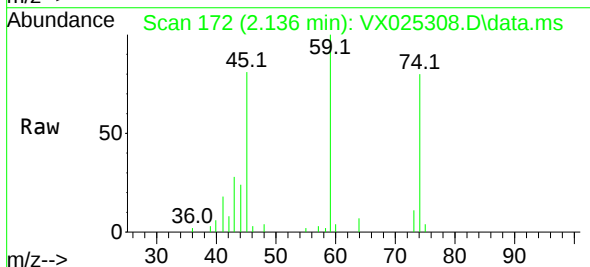
Instrument :
MSVOA_X
ClientSampleId :
PB140964TB

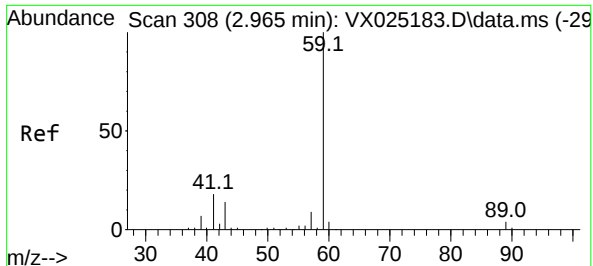
Tgt Ion: 64 Resp: 638
Ion Ratio Lower Upper
64 100
66 29.9 25.6 38.4



#8
Diethyl Ether
Concen: 7.055 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX025308.D
Acq: 24 Nov 2021 04:41

Tgt Ion: 74 Resp: 5384
Ion Ratio Lower Upper
74 100
45 100.4 47.6 142.9





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 30

Delta R.T. -0.018 min

Lab File: VX025308.D

Acq: 24 Nov 2021 04:41

Instrument :

MSVOA_X

ClientSampleId :

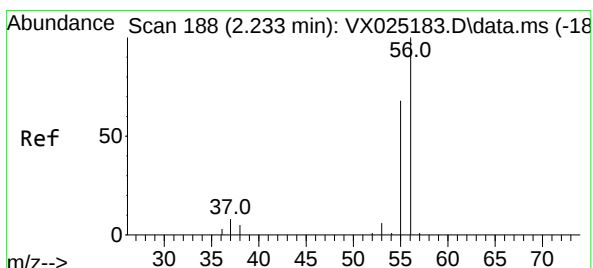
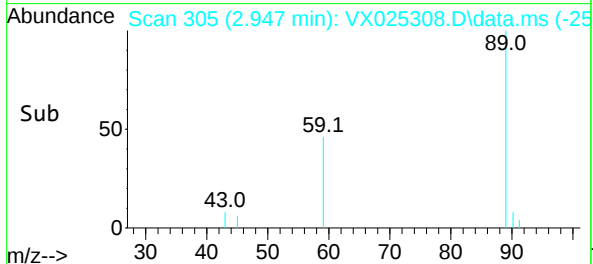
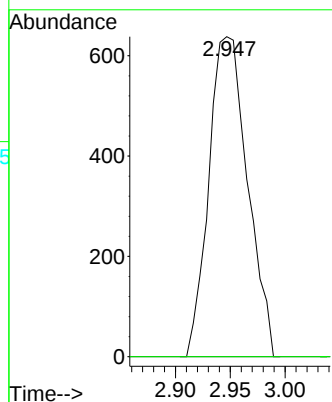
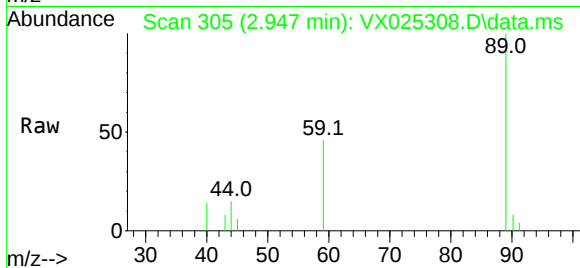
PB140964TB

Tgt Ion: 59 Resp: 1566

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#13

Acrolein

Concen: 0.490 ug/l

RT: 2.185 min Scan# 180

Delta R.T. -0.048 min

Lab File: VX025308.D

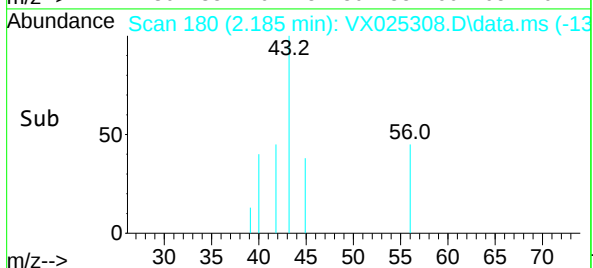
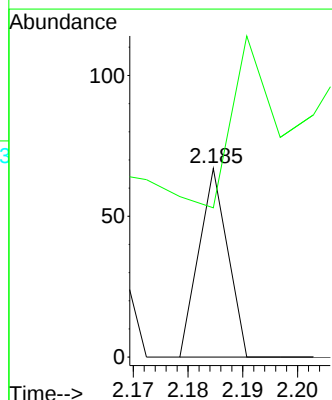
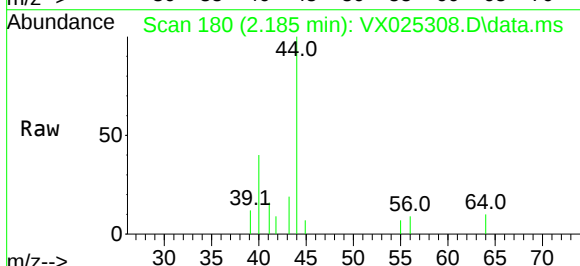
Acq: 24 Nov 2021 04:41

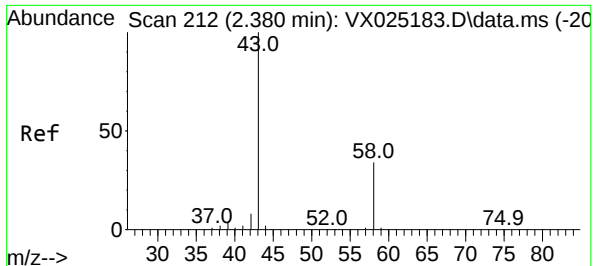
Tgt Ion: 56 Resp: 25

Ion Ratio Lower Upper

56 100

55 176.0 58.6 87.8#

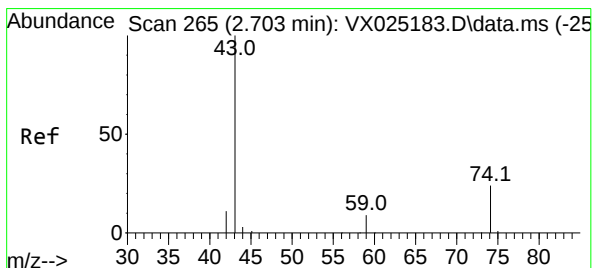
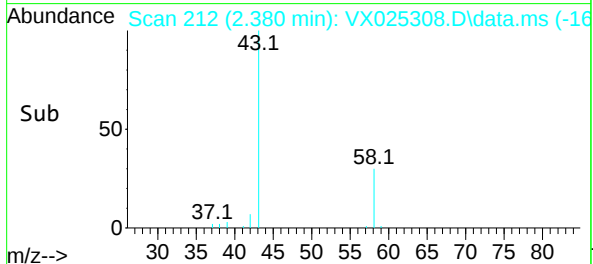
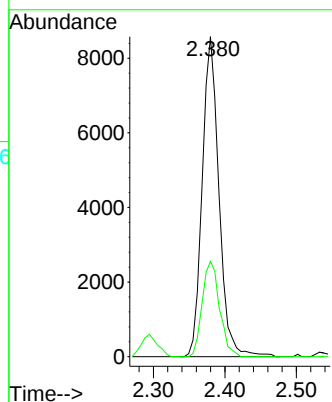
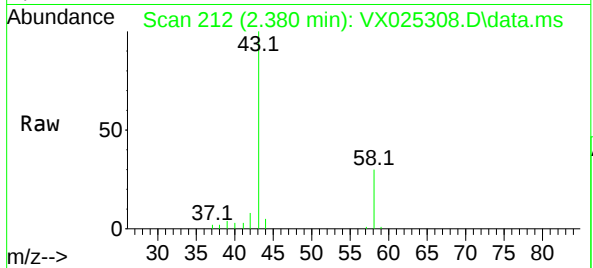




#16
Acetone
Concen: 22.497 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX025308.D
Acq: 24 Nov 2021 04:41

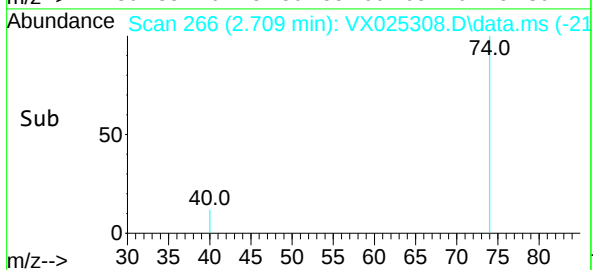
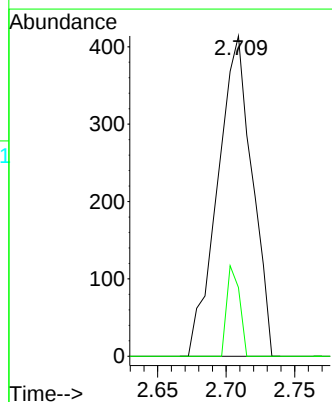
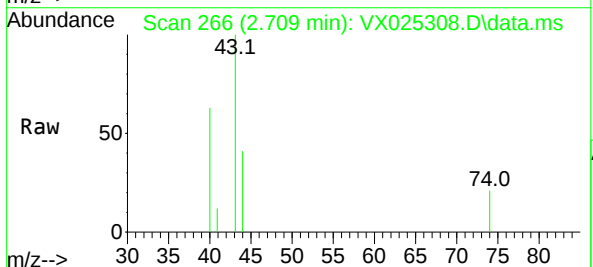
Instrument : MSVOA_X
ClientSampleId : PB140964TB

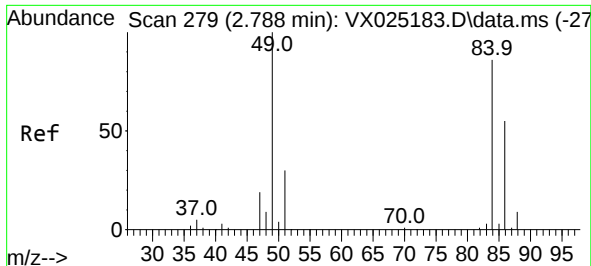
Tgt Ion: 43 Resp: 13932
Ion Ratio Lower Upper
43 100
58 29.8 24.0 36.0



#18
Methyl Acetate
Concen: 0.366 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX025308.D
Acq: 24 Nov 2021 04:41

Tgt Ion: 43 Resp: 724
Ion Ratio Lower Upper
43 100
74 10.4 19.0 28.6#

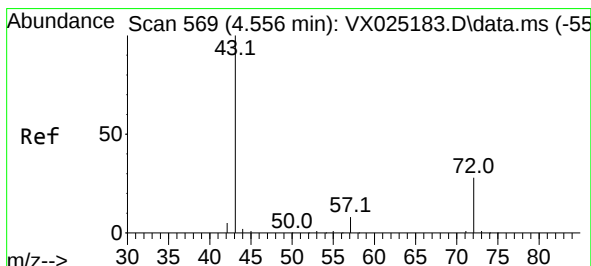
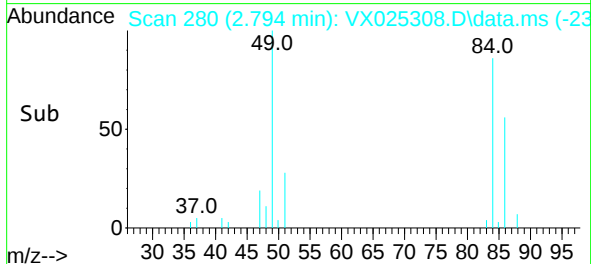
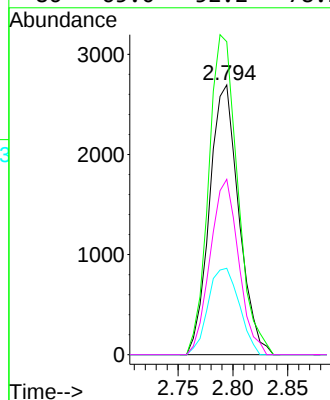
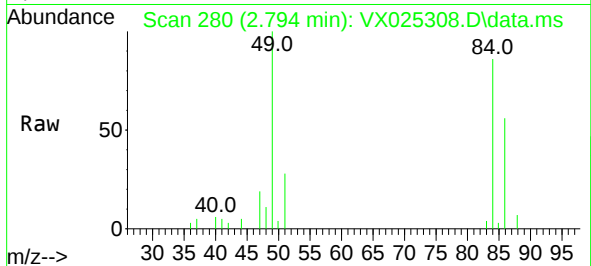




#20
Methylene Chloride
Concen: 4.305 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX025308.D
Acq: 24 Nov 2021 04:41

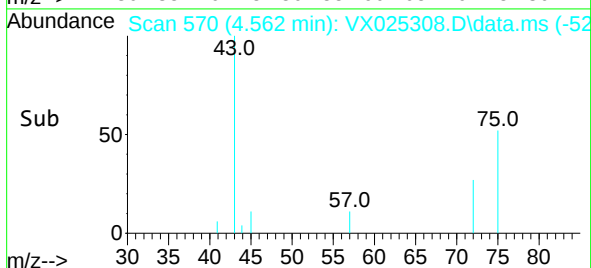
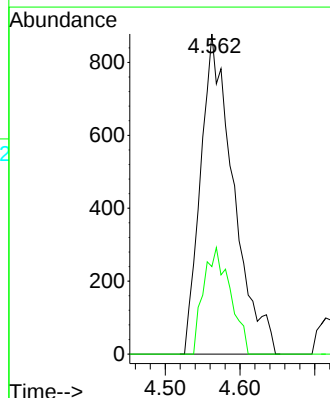
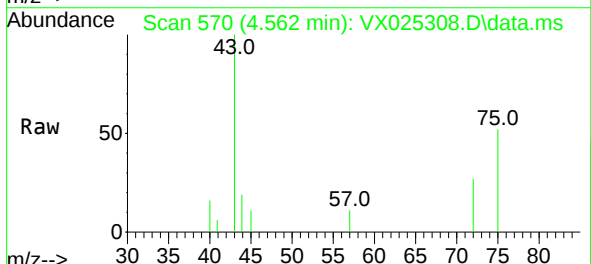
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MSVOA_X
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PB140964TB

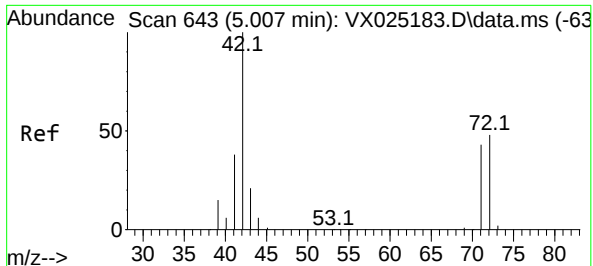
Tgt Ion: 84	Resp: 5011
Ion Ratio	Lower Upper
84 100	
49 116.0	98.2 147.2
51 32.0	30.2 45.4
86 65.0	52.2 78.2



#25
2-Butanone
Concen: 2.992 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.006 min
Lab File: VX025308.D
Acq: 24 Nov 2021 04:41

Tgt Ion: 43	Resp: 2679		
Ion Ratio	Lower	Upper	
43 100			
72 27.3	21.2	31.8	





#29

Tetrahydrofuran

Concen: 1.097 ug/l

RT: 5.019 min Scan# 643

Delta R.T. 0.012 min

Lab File: VX025308.D

Acq: 24 Nov 2021 04:41

Instrument :

MSVOA_X

ClientSampleId :

PB140964TB

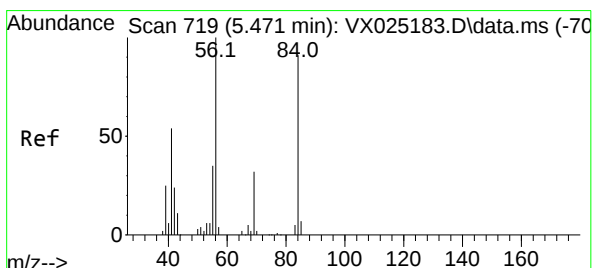
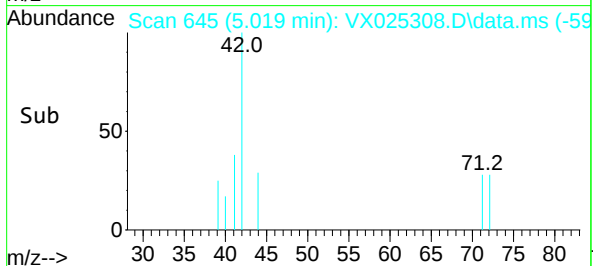
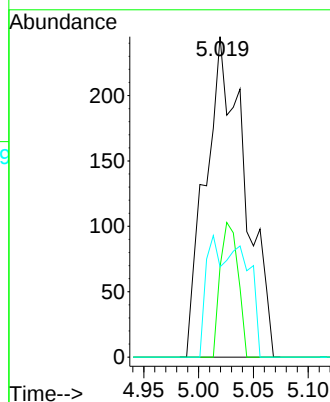
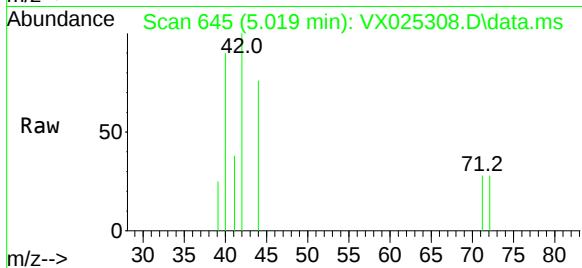
Tgt Ion: 42 Resp: 608

Ion Ratio Lower Upper

42 100

72 19.2 36.1 54.1#

71 18.8 33.7 50.5#



#31

Cyclohexane

Concen: 1.010 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX025308.D

Acq: 24 Nov 2021 04:41

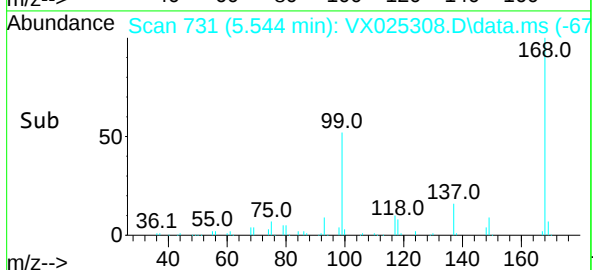
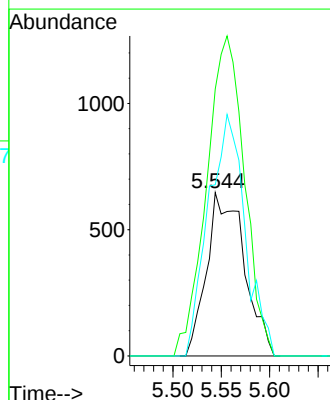
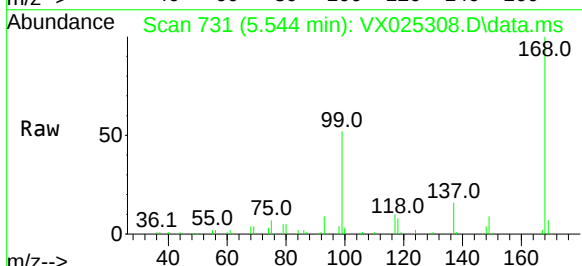
Tgt Ion: 56 Resp: 1740

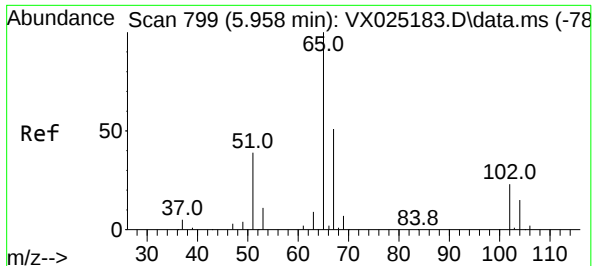
Ion Ratio Lower Upper

56 100

69 163.4 24.2 36.2#

84 104.8 71.5 107.3





#33

1,2-Dichloroethane-d4

Concen: 57.775 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX025308.D

Acq: 24 Nov 2021 04:41

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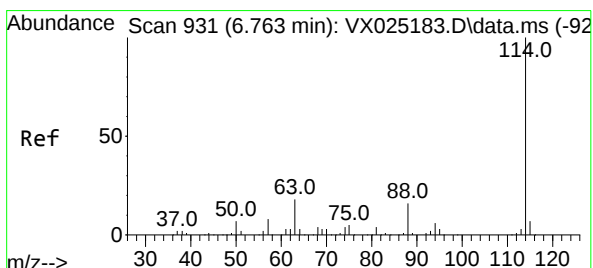
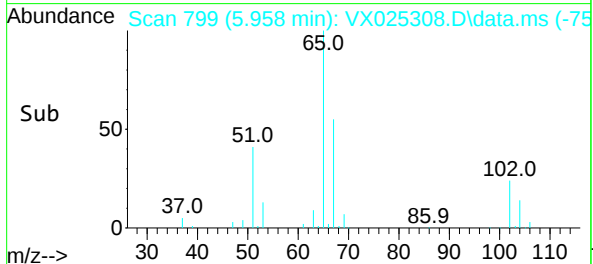
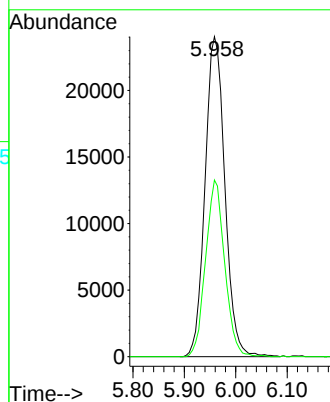
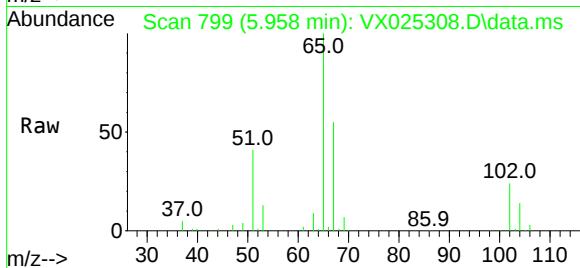
PB140964TB

Tgt Ion: 65 Resp: 64389

Ion Ratio Lower Upper

65 100

67 53.1 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX025308.D

Acq: 24 Nov 2021 04:41

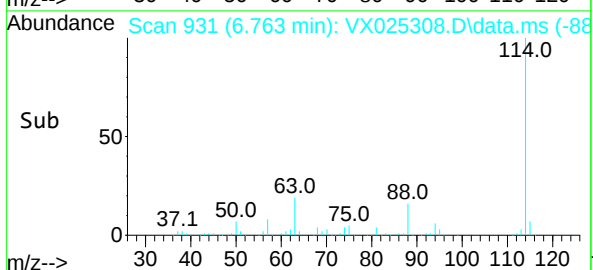
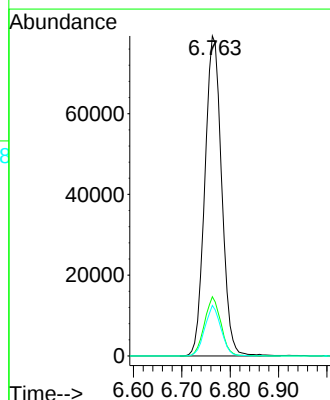
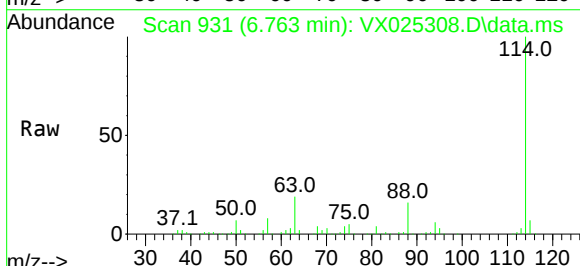
Tgt Ion: 114 Resp: 191489

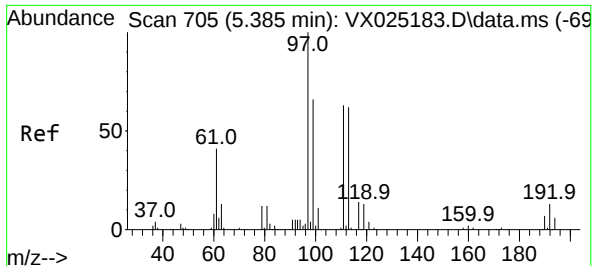
Ion Ratio Lower Upper

114 100

63 18.5 0.0 41.0

88 15.8 0.0 34.8





#35

Dibromofluoromethane

Concen: 51.854 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX025308.D

Acq: 24 Nov 2021 04:41

Instrument :

MSVOA_X

ClientSampleId :

PB140964TB

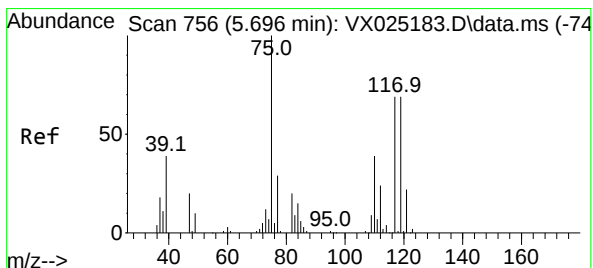
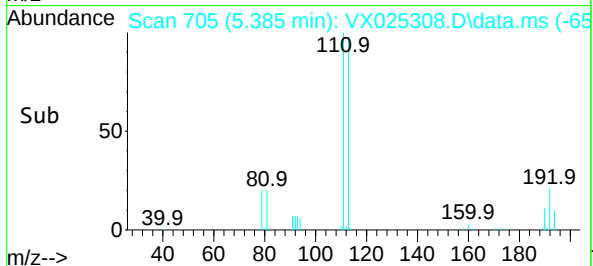
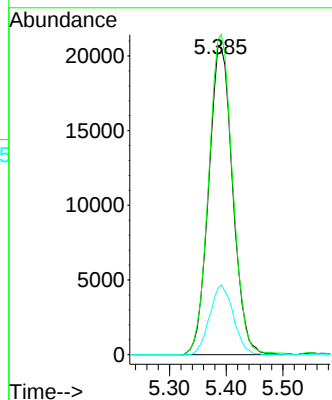
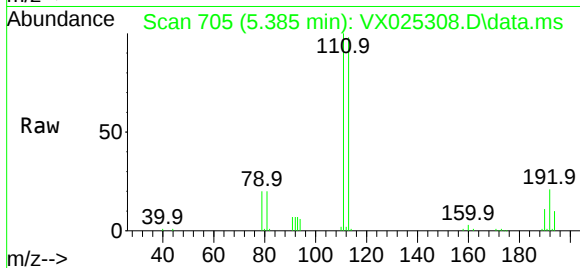
Tgt Ion:113 Resp: 60924

Ion Ratio Lower Upper

113 100

111 103.5 82.1 123.1

192 22.2 15.6 23.4



#36

1,1-Dichloropropene

Concen: 4.109 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX025308.D

Acq: 24 Nov 2021 04:41

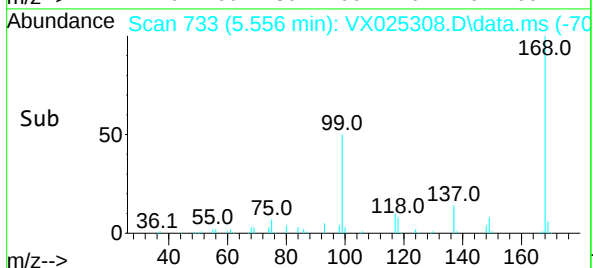
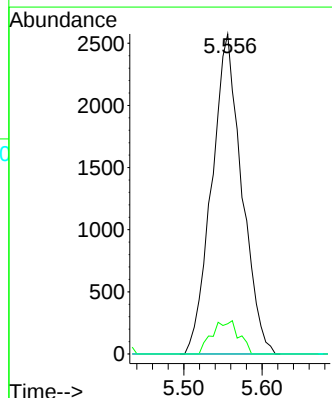
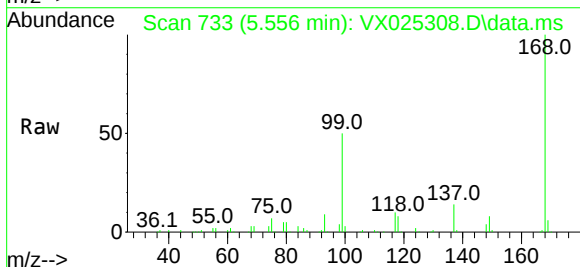
Tgt Ion: 75 Resp: 6864

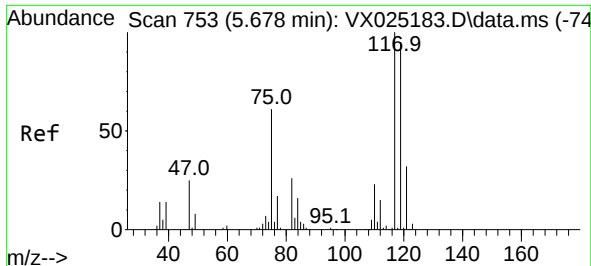
Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.3#

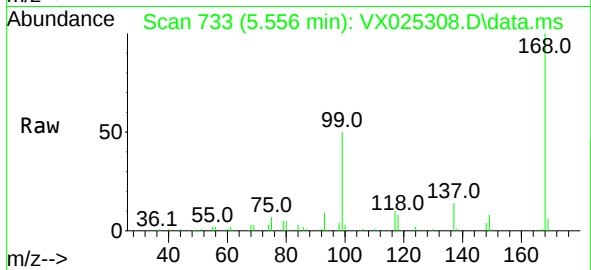
77 0.0 24.4 36.6#



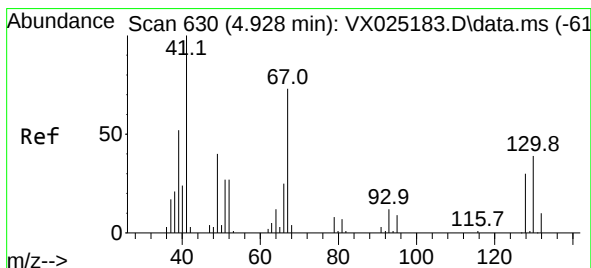
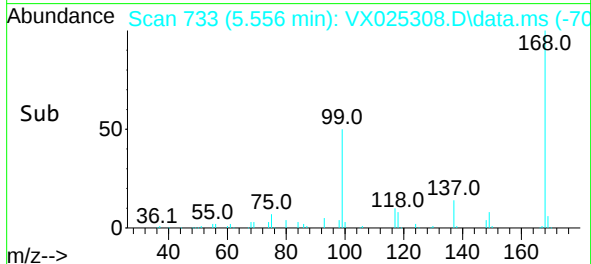
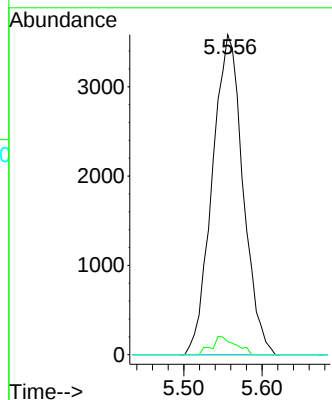


#38
Carbon Tetrachloride
Concen: 5.308 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX025308.D
Acq: 24 Nov 2021 04:41

Instrument :
MSVOA_X
ClientSampleId :
PB140964TB

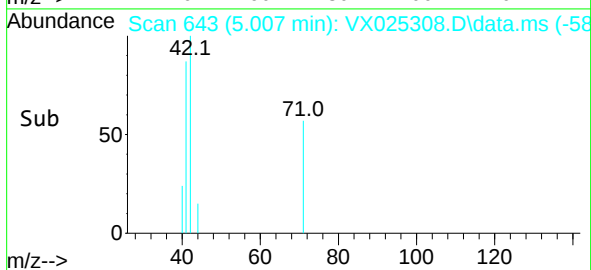
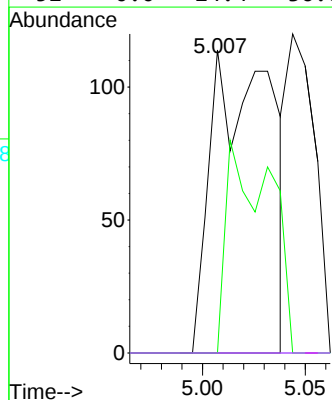
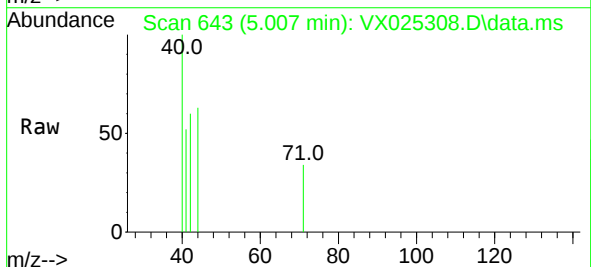


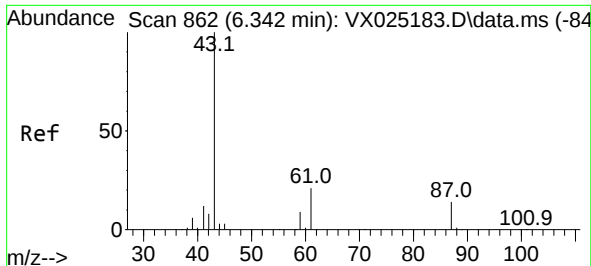
Tgt Ion:117 Resp: 9767
Ion Ratio Lower Upper
117 100
119 4.1 75.6 113.4#
121 0.0 23.7 35.5#



#41
Methacrylonitrile
Concen: 0.221 ug/l
RT: 5.007 min Scan# 643
Delta R.T. 0.079 min
Lab File: VX025308.D
Acq: 24 Nov 2021 04:41

Tgt Ion: 41 Resp: 233
Ion Ratio Lower Upper
41 100
39 51.1 44.6 67.0
67 0.0 56.7 85.1#
52 0.0 24.4 36.6#

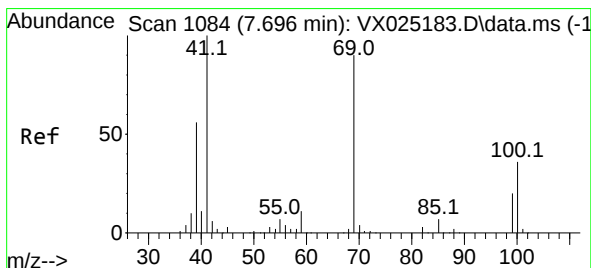
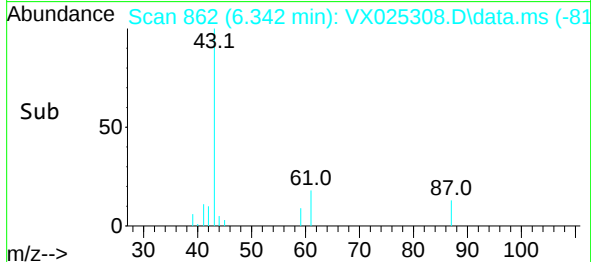
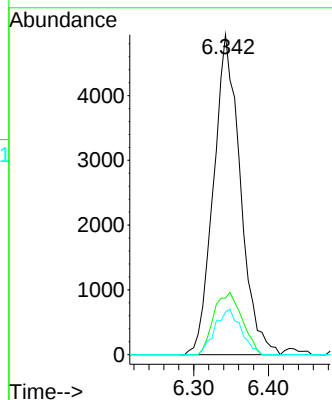
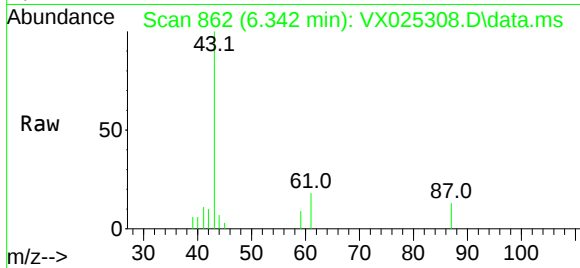




#43
Isopropyl Acetate
Concen: 3.894 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX025308.D
Acq: 24 Nov 2021 04:41

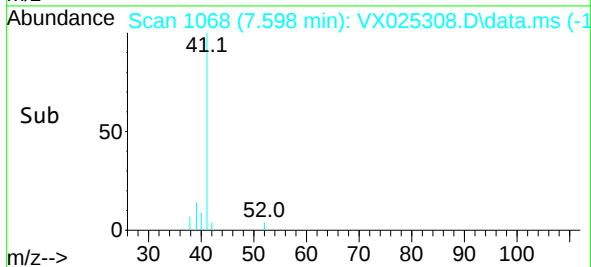
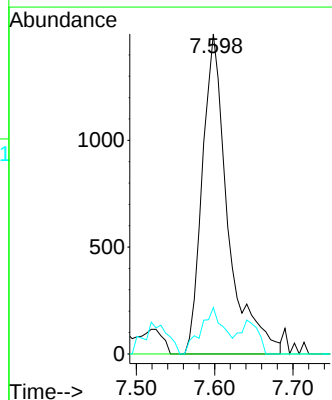
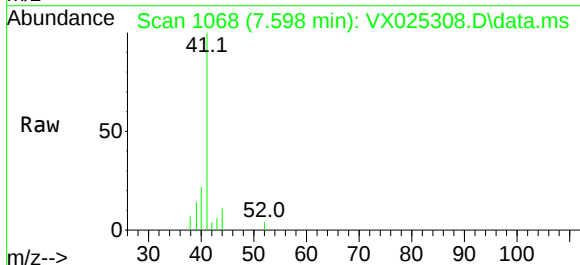
Instrument :
MSVOA_X
ClientSampleId :
PB140964TB

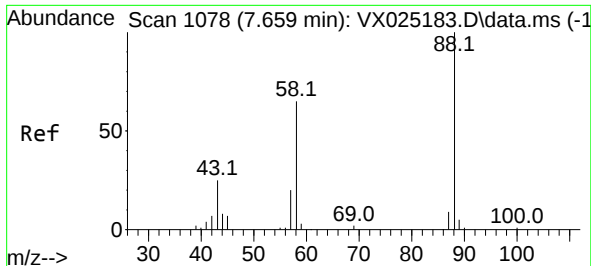
Tgt Ion: 43 Resp: 12319
Ion Ratio Lower Upper
43 100
61 20.5 15.3 22.9
87 13.8 10.9 16.3



#48
Methyl methacrylate
Concen: 2.291 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX025308.D
Acq: 24 Nov 2021 04:41

Tgt Ion: 41 Resp: 3402
Ion Ratio Lower Upper
41 100
69 0.0 64.5 96.7#
39 0.0 46.9 70.3#





#49

1,4-Dioxane

Concen: 3.891 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.134 min

Lab File: VX025308.D

Acq: 24 Nov 2021 04:41

Instrument :

MSVOA_X

ClientSampleId :

PB140964TB

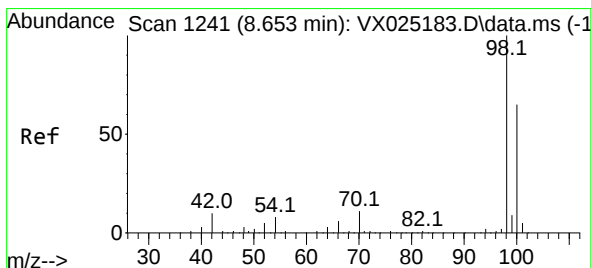
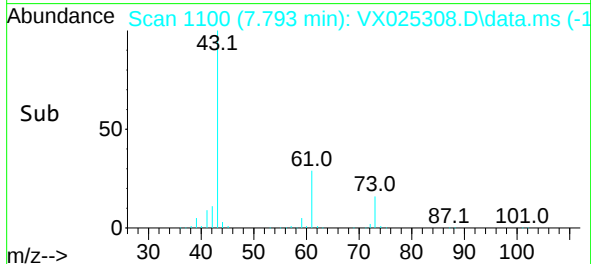
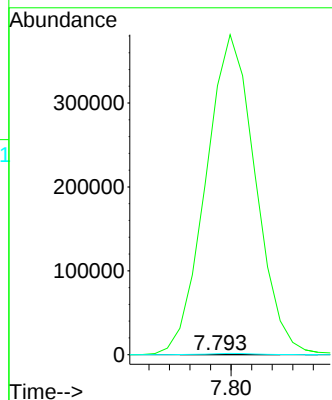
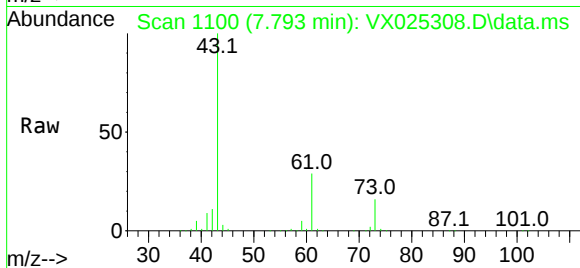
Tgt Ion: 88 Resp: 122

Ion Ratio Lower Upper

88 100

43 530895.1 27.0 40.6#

58 2078.7 55.2 82.8#



#50

Toluene-d8

Concen: 52.065 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX025308.D

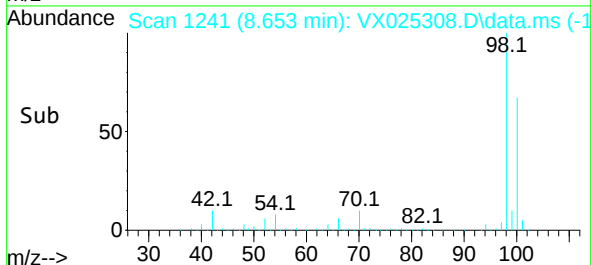
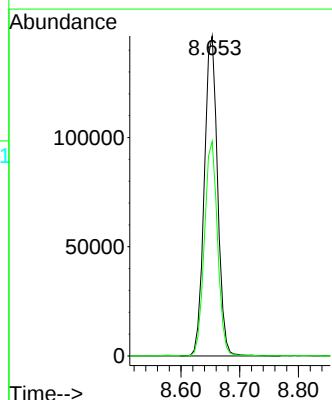
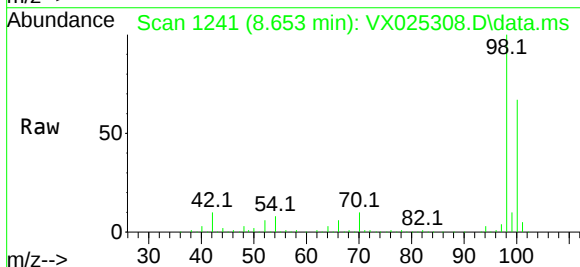
Acq: 24 Nov 2021 04:41

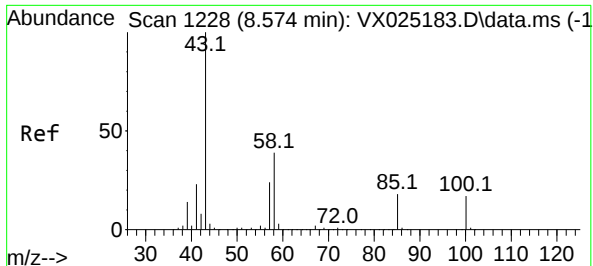
Tgt Ion: 98 Resp: 229997

Ion Ratio Lower Upper

98 100

100 66.6 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 21.608 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX025308.D

Acq: 24 Nov 2021 04:41

Instrument :

MSVOA_X

ClientSampleId :

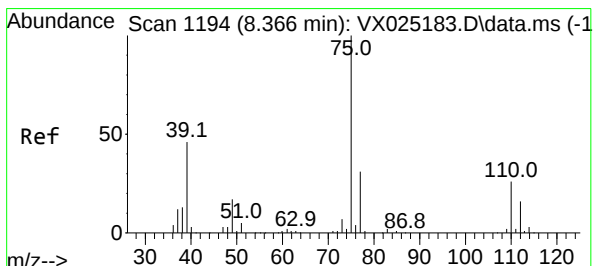
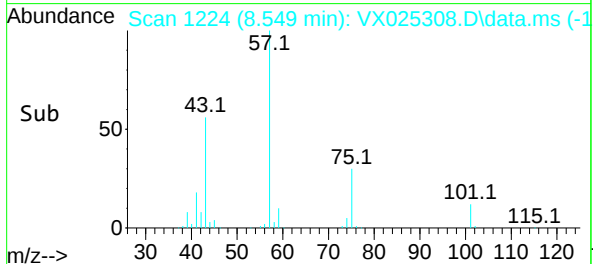
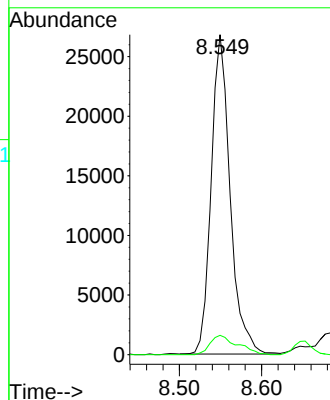
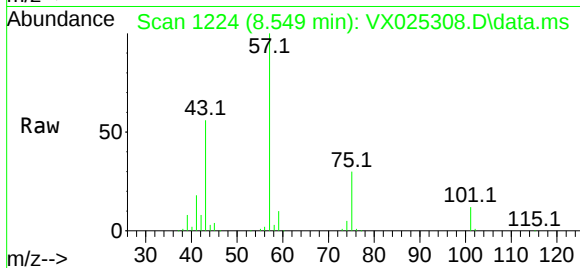
PB140964TB

Tgt Ion: 43 Resp: 42862

Ion Ratio Lower Upper

43 100

58 8.8 30.9 46.3#



#54

cis-1,3-Dichloropropene

Concen: 9.809 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX025308.D

Acq: 24 Nov 2021 04:41

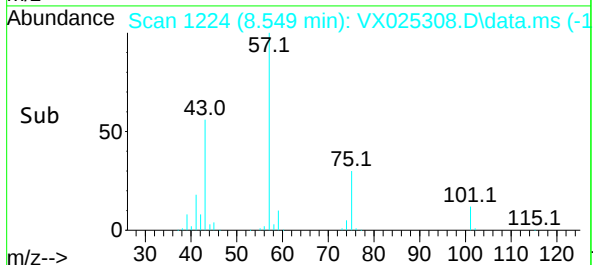
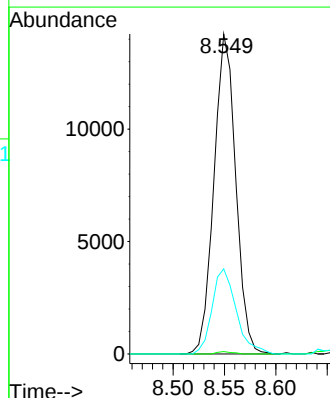
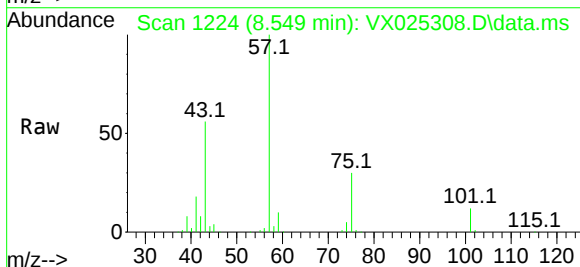
Tgt Ion: 75 Resp: 20968

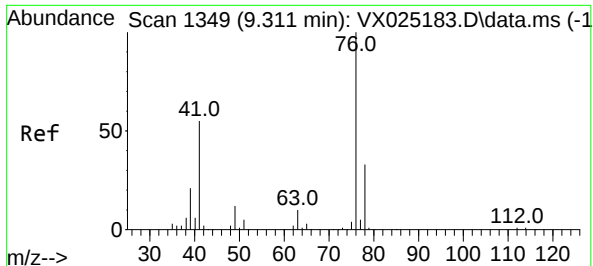
Ion Ratio Lower Upper

75 100

77 0.8 23.8 35.8#

39 26.6 38.8 58.2#





#57

1,3-Dichloropropane

Concen: 5.702 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX025308.D

Acq: 24 Nov 2021 04:41

Instrument :

MSVOA_X

ClientSampleId :

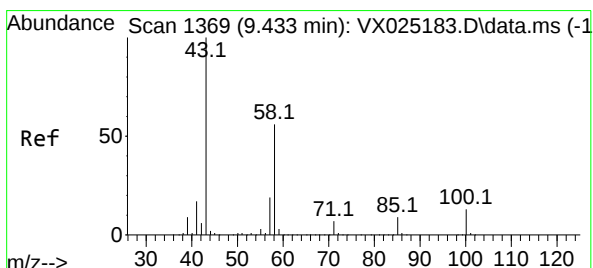
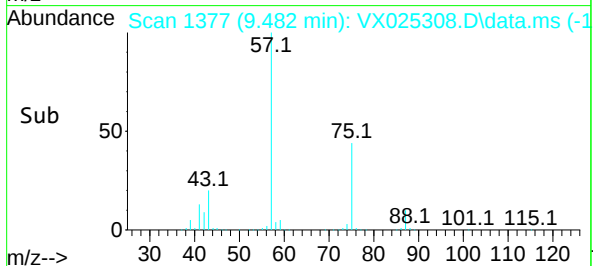
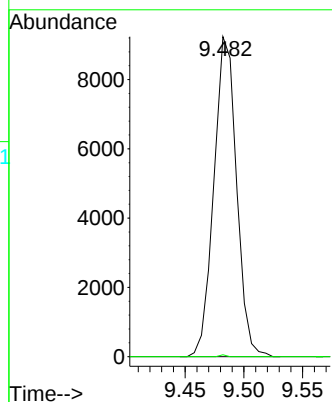
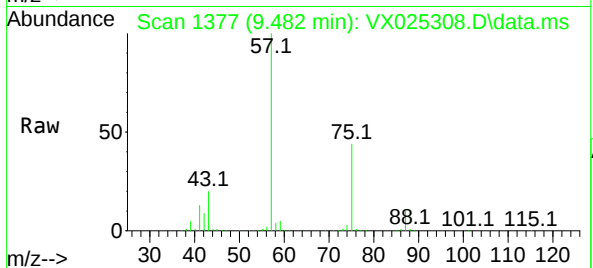
PB140964TB

Tgt Ion: 76 Resp: 12410

Ion Ratio Lower Upper

76 100

78 0.2 25.8 38.8#



#59

2-Hexanone

Concen: 102.814 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX025308.D

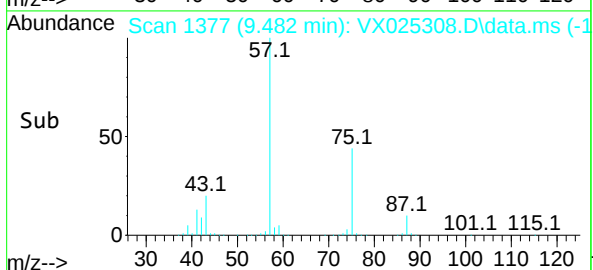
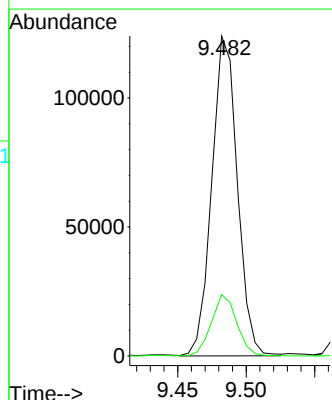
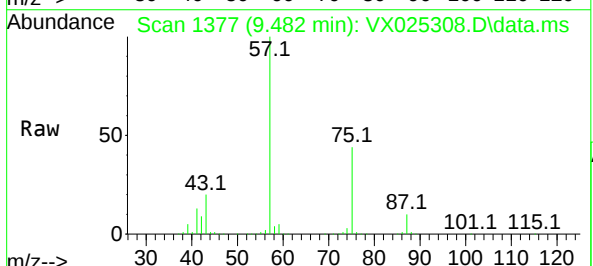
Acq: 24 Nov 2021 04:41

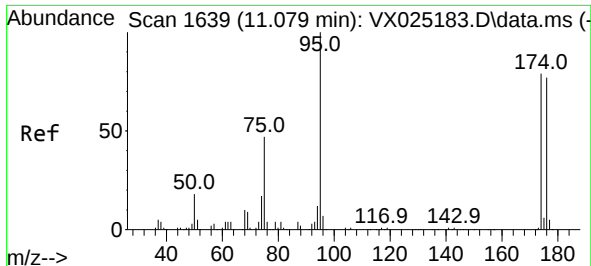
Tgt Ion: 43 Resp: 160781

Ion Ratio Lower Upper

43 100

58 19.1 26.6 79.7#

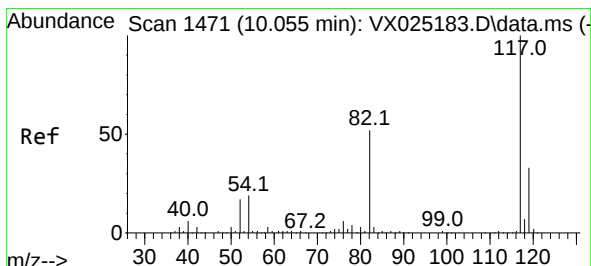
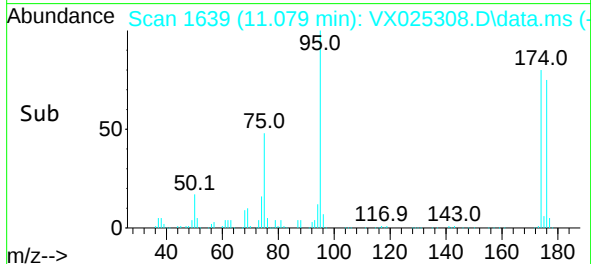
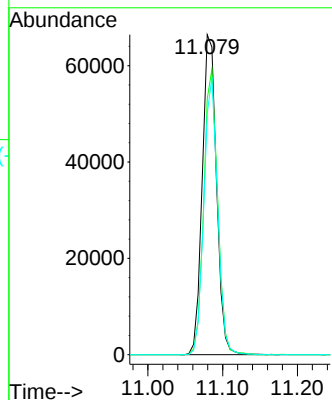
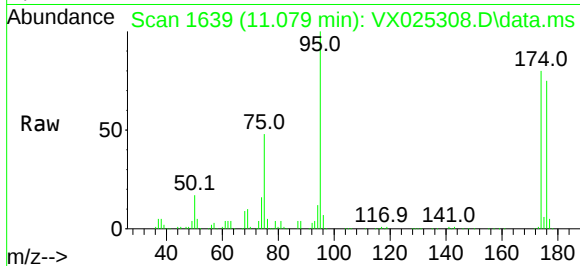




#62
4-Bromofluorobenzene
Concen: 52.660 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX025308.D
Acq: 24 Nov 2021 04:41

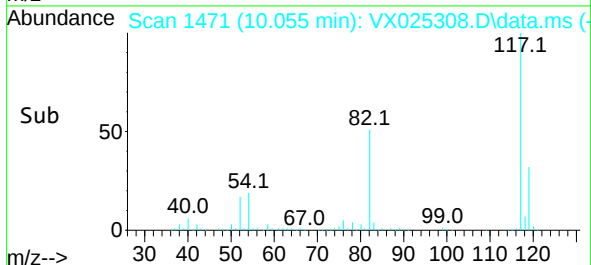
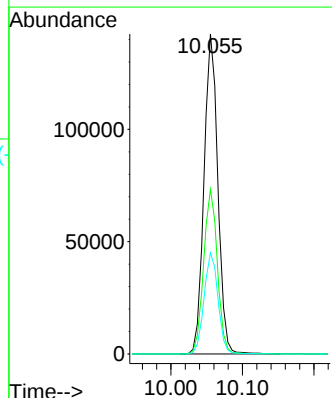
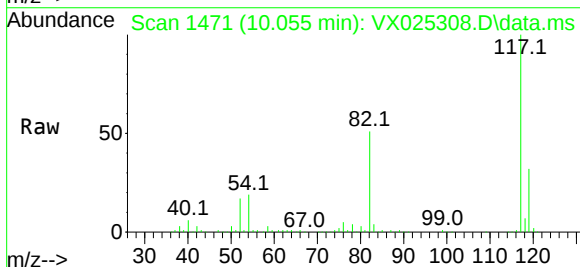
Instrument :
MSVOA_X
ClientSampleId :
PB140964TB

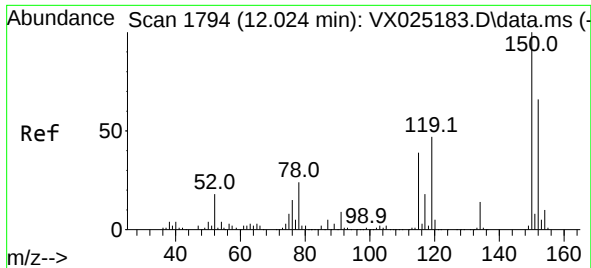
Tgt Ion: 95 Resp: 88005
Ion Ratio Lower Upper
95 100
174 86.7 0.0 158.0
176 83.4 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025308.D
Acq: 24 Nov 2021 04:41

Tgt Ion: 117 Resp: 191265
Ion Ratio Lower Upper
117 100
82 51.5 44.6 67.0
119 31.6 24.8 37.2

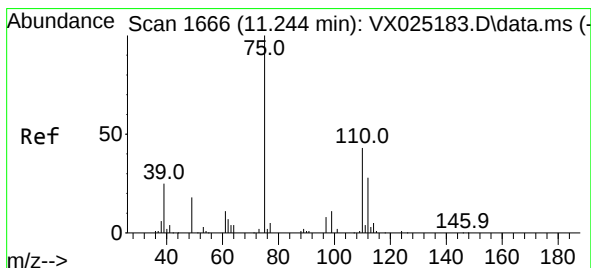
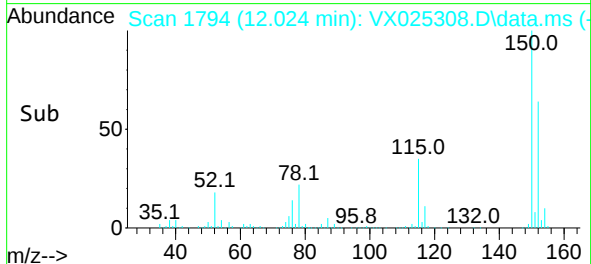
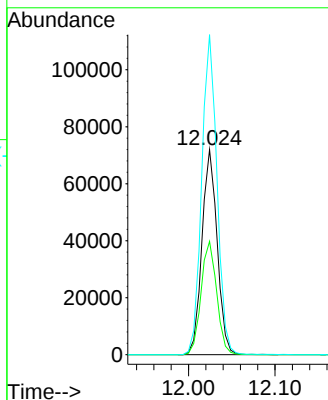
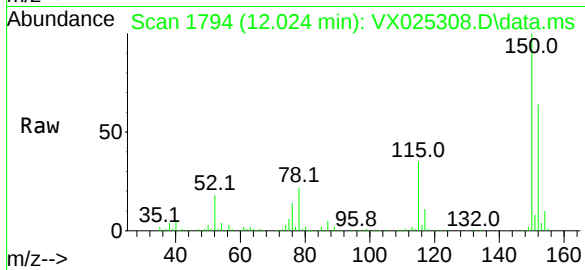




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX025308.D
 Acq: 24 Nov 2021 04:41

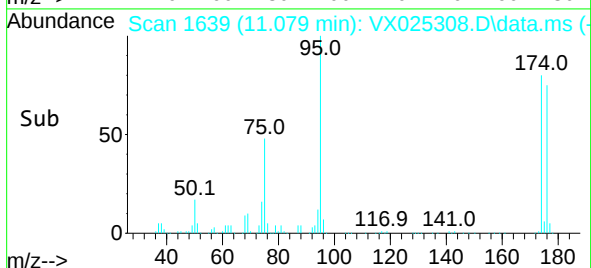
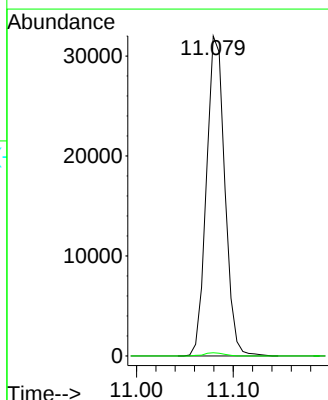
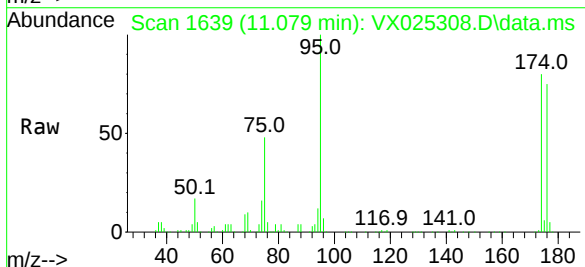
Instrument :
 MSVOA_X
 ClientSampleId :
 PB140964TB

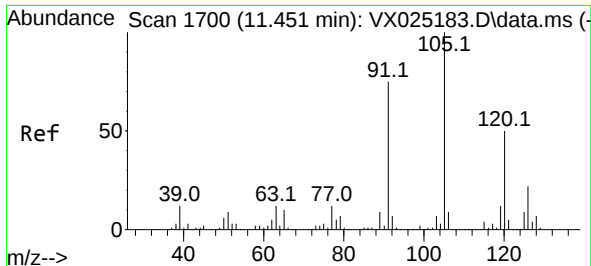
Tgt Ion:152 Resp: 87976
 Ion Ratio Lower Upper
 152 100
 115 56.5 43.3 129.8
 150 156.3 0.0 351.2



#76
 1,2,3-Trichloropropane
 Concen: 23.464 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX025308.D
 Acq: 24 Nov 2021 04:41

Tgt Ion: 75 Resp: 42272
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.0 59.9#

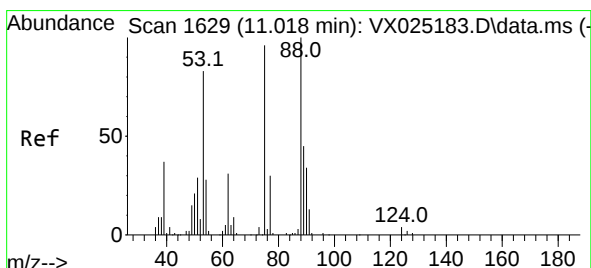
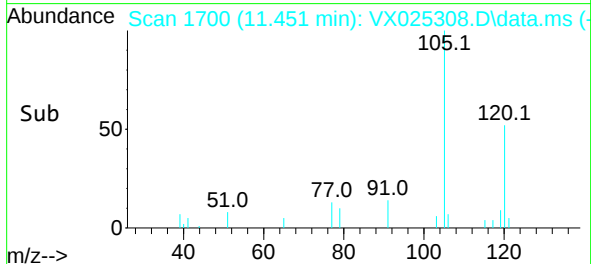
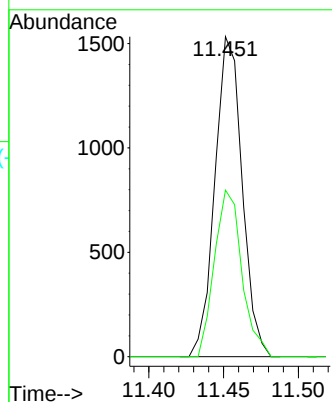
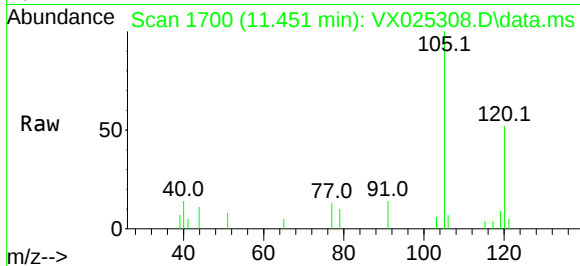




#80
 1,3,5-Trimethylbenzene
 Concen: 0.368 ug/l
 RT: 11.451 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX025308.D
 Acq: 24 Nov 2021 04:41

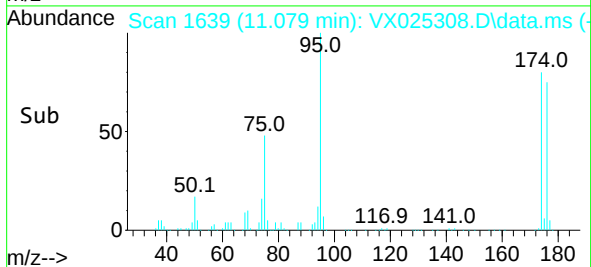
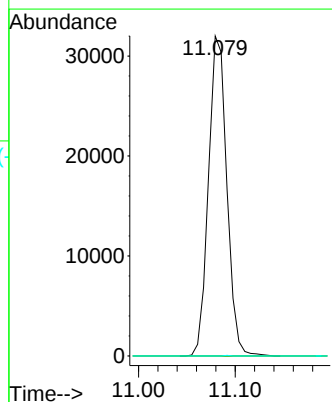
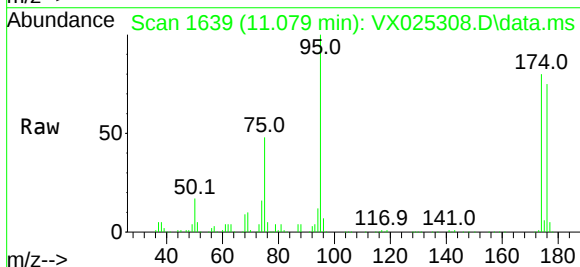
Instrument :
 MSVOA_X
 ClientSampleId :
 PB140964TB

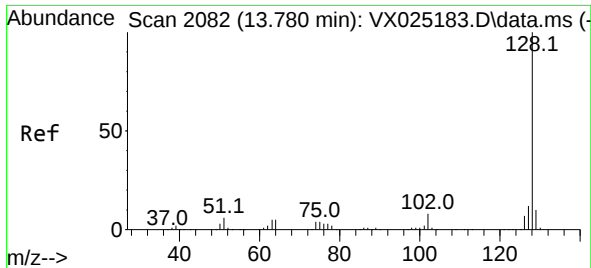
Tgt Ion:105 Resp: 1940
 Ion Ratio Lower Upper
 105 100
 120 52.4 23.8 71.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.110 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX025308.D
 Acq: 24 Nov 2021 04:41

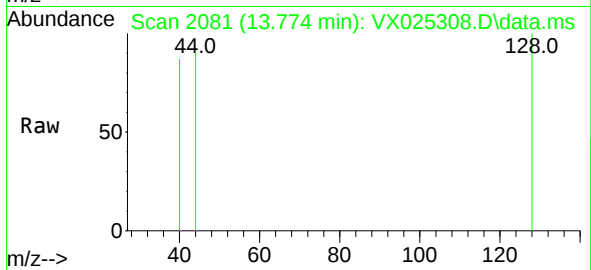
Tgt Ion: 75 Resp: 42272
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.9 122.9#
 89 0.1 38.2 57.2#





#95
Naphthalene
Concen: Below Cal
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX025308.D
Acq: 24 Nov 2021 04:41

Instrument :
MSVOA_X
ClientSampleId :
PB140964TB



Tgt Ion:128 Resp: 270
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

