

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121621\
 Data File : VX025826.D
 Acq On : 15 Dec 2021 19:47
 Operator : JC/MD
 Sample : PB141382ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB141382ZHE#06

Quant Time: Dec 16 07:31:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

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

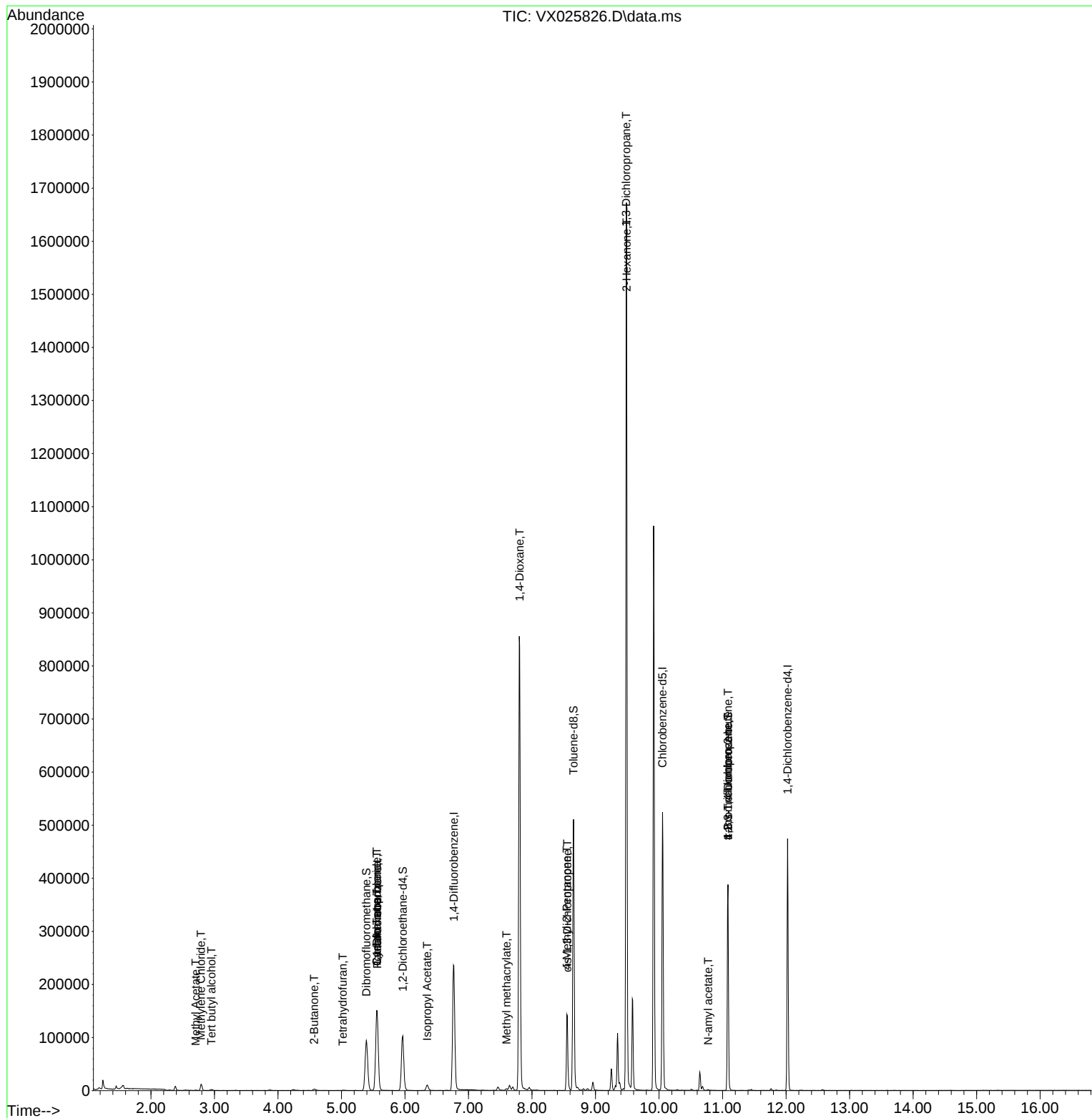
Internal Standards						
1) Pentafluorobenzene	5.562	168	139477	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	245753	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	236116	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95087	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	97315	48.492	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.980%
35) Dibromofluoromethane	5.391	113	79998	46.676	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.360%
50) Toluene-d8	8.653	98	300724	48.157	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.320%
62) 4-Bromofluorobenzene	11.085	95	102951	43.400	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.800%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	1395	3.465	ug/l #	73
16) Acetone	2.386	43	8330	Below Cal		99
18) Methyl Acetate	2.703	43	1117	0.365	ug/l #	90
20) Methylene Chloride	2.788	84	5186	0.633	ug/l	95
25) 2-Butanone	4.568	43	4614	3.418	ug/l	91
29) Tetrahydrofuran	5.019	42	388	0.452	ug/l #	56
31) Cyclohexane	5.556	56	3194	1.309	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	11435	4.920	ug/l #	46
38) Carbon Tetrachloride	5.556	117	15162	5.607	ug/l #	16
43) Isopropyl Acetate	6.348	43	13352	3.209	ug/l	99
48) Methyl methacrylate	7.598	41	4640	2.368	ug/l #	12
49) 1,4-Dioxane	7.805	88	98	2.291	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	49463	18.162	ug/l #	50
54) cis-1,3-Dichloropropene	8.555	75	22116	7.908	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	14914	4.799	ug/l #	42
59) 2-Hexanone	9.488	43	194435	94.226	ug/l #	52
74) N-amyl acetate	10.774	43	733	0.264	ug/l #	48
76) 1,2,3-Trichloropropane	11.085	75	51969	23.854	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	51969	73.954	ug/l #	10

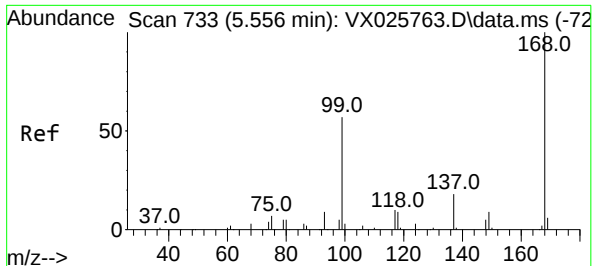
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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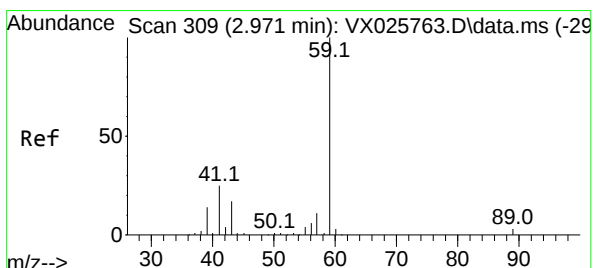
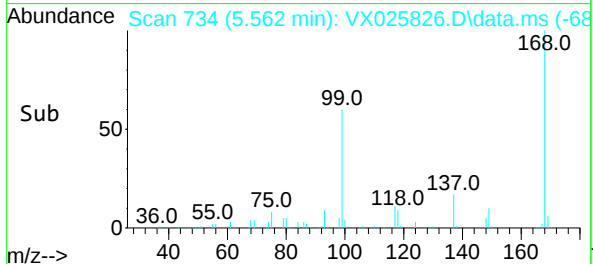
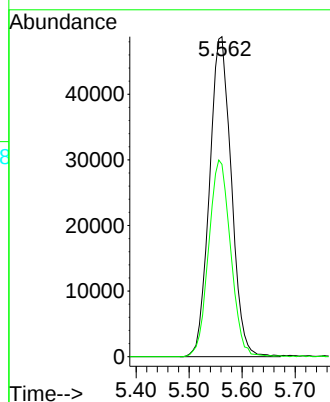
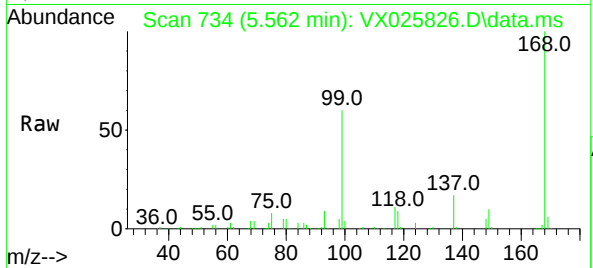




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX025826.D
Acq: 15 Dec 2021 19:47

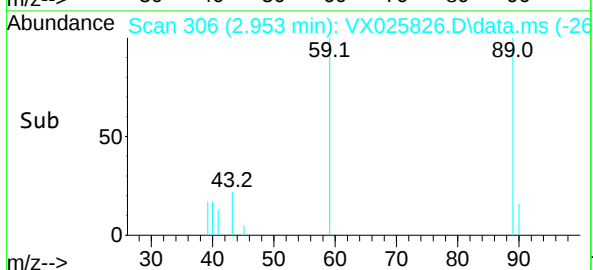
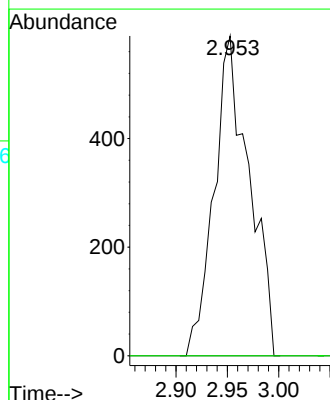
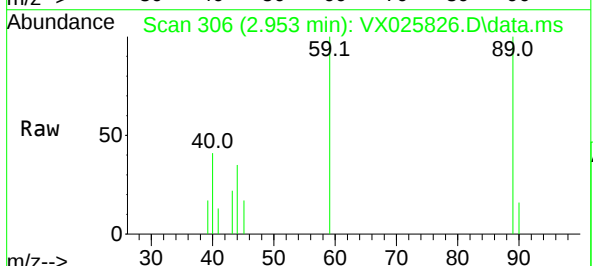
Instrument :
MSVOA_X
ClientSampleId :
PB141382ZHE#06

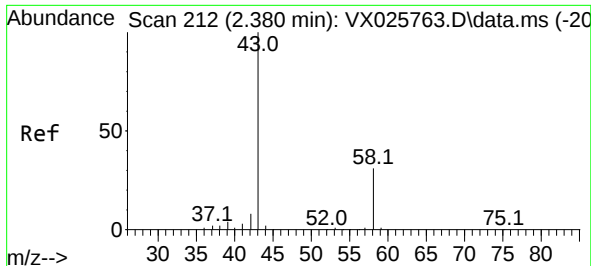
Tgt Ion:168 Resp: 139477
Ion Ratio Lower Upper
168 100
99 60.1 45.8 68.8



#11
Tert butyl alcohol
Concen: 3.465 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.019 min
Lab File: VX025826.D
Acq: 15 Dec 2021 19:47

Tgt Ion: 59 Resp: 1395
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#16

Acetone

Concen: Below Cal

RT: 2.386 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX025826.D

Acq: 15 Dec 2021 19:47

Instrument :

MSVOA_X

ClientSampleId :

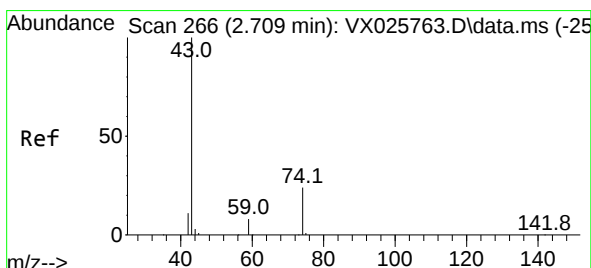
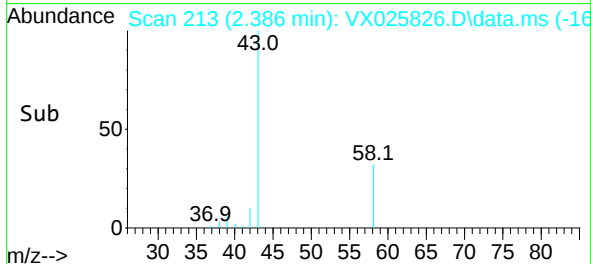
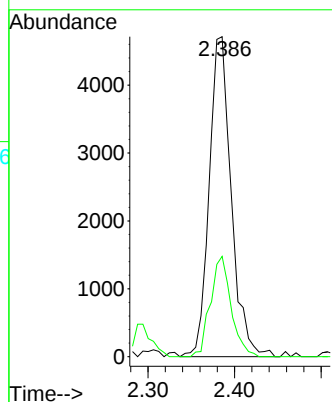
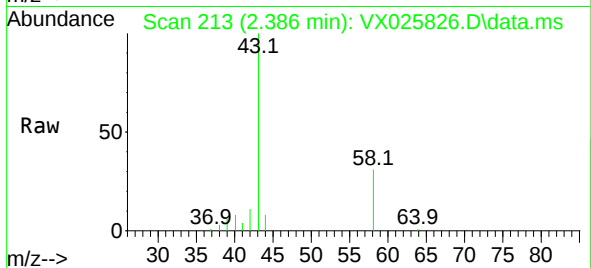
PB141382ZHE#06

Tgt Ion: 43 Resp: 8330

Ion Ratio Lower Upper

43 100

58 31.4 24.8 37.2



#18

Methyl Acetate

Concen: 0.365 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.006 min

Lab File: VX025826.D

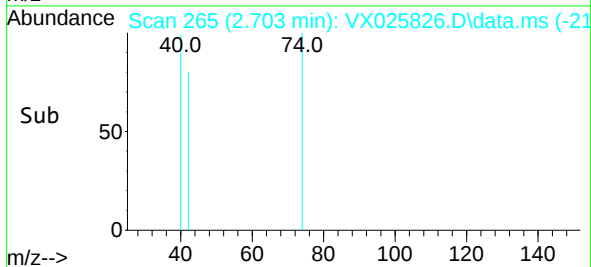
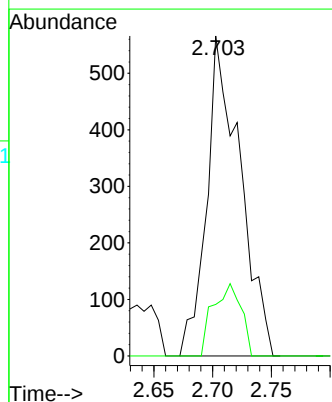
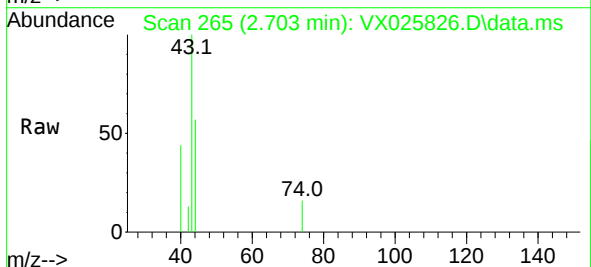
Acq: 15 Dec 2021 19:47

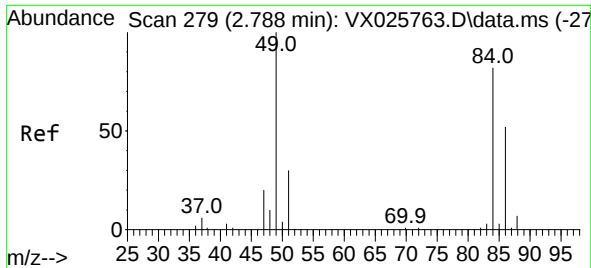
Tgt Ion: 43 Resp: 1117

Ion Ratio Lower Upper

43 100

74 19.0 19.1 28.7#





#20

Methylene Chloride

Concen: 0.633 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX025826.D

Acq: 15 Dec 2021 19:47

Instrument :

MSVOA_X

ClientSampleId :

PB141382ZHE#06

Tgt Ion: 84 Resp: 5186

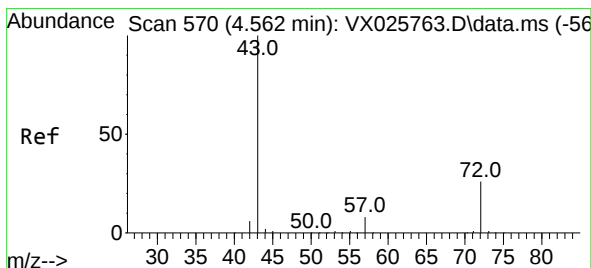
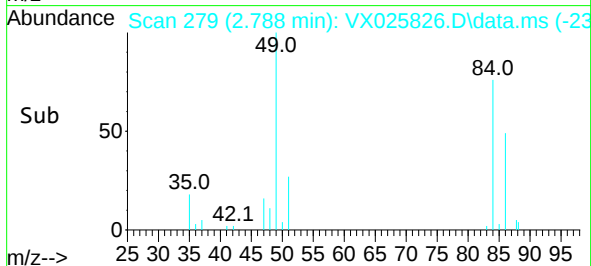
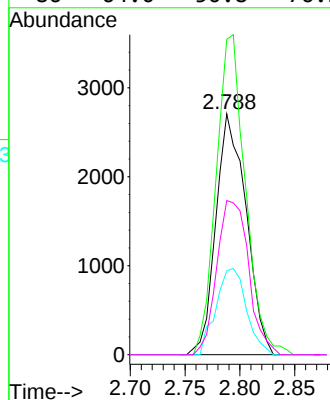
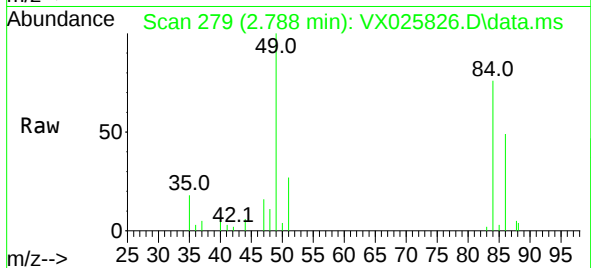
Ion Ratio Lower Upper

84 100

49 131.0 97.1 145.7

51 34.8 29.3 43.9

86 64.0 50.8 76.2



#25

2-Butanone

Concen: 3.418 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.006 min

Lab File: VX025826.D

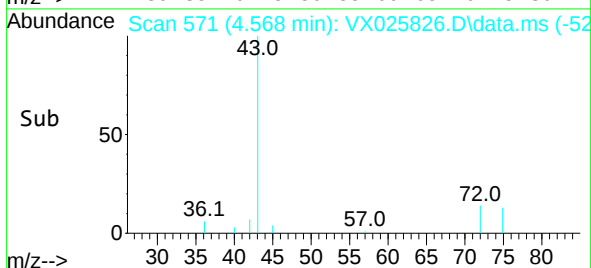
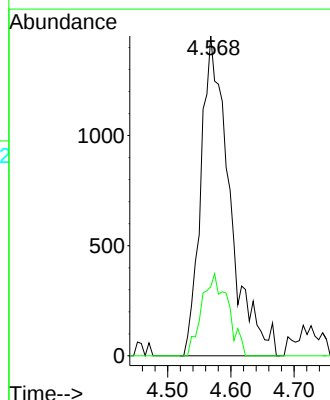
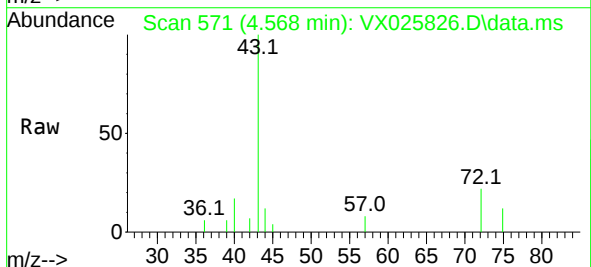
Acq: 15 Dec 2021 19:47

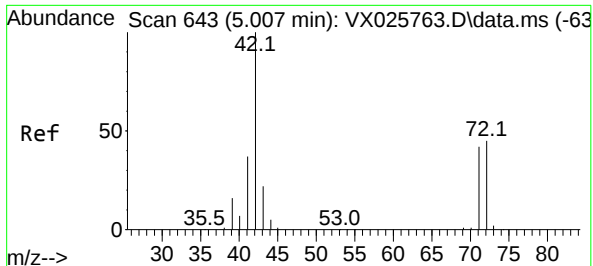
Tgt Ion: 43 Resp: 4614

Ion Ratio Lower Upper

43 100

72 21.6 21.0 31.4





#29

Tetrahydrofuran

Concen: 0.452 ug/l

RT: 5.019 min Scan# 64

Delta R.T. 0.012 min

Lab File: VX025826.D

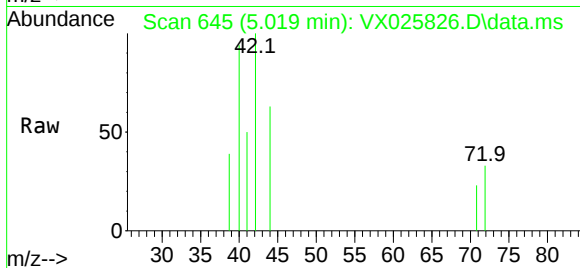
Acq: 15 Dec 2021 19:47

Instrument :

MSVOA_X

ClientSampleId :

PB141382ZHE#06



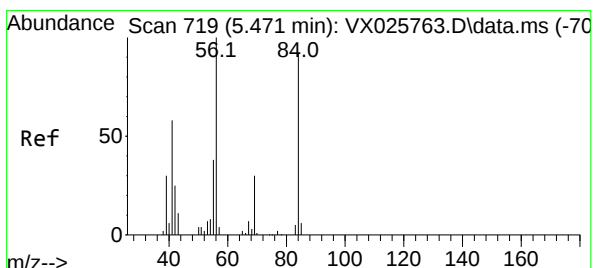
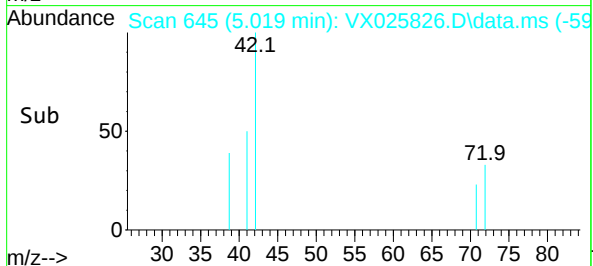
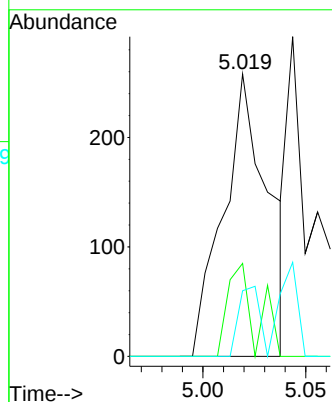
Tgt Ion: 42 Resp: 388

Ion Ratio Lower Upper

42 100

72 20.6 37.0 55.6#

71 11.6 34.1 51.1#



#31

Cyclohexane

Concen: 1.309 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX025826.D

Acq: 15 Dec 2021 19:47

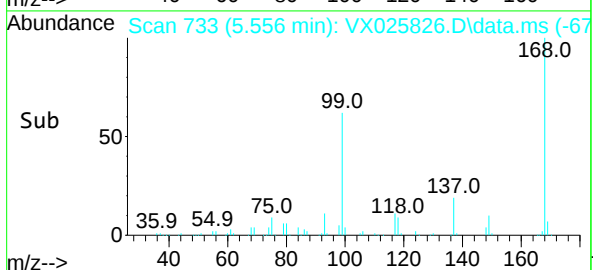
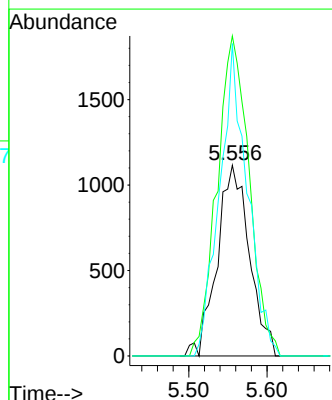
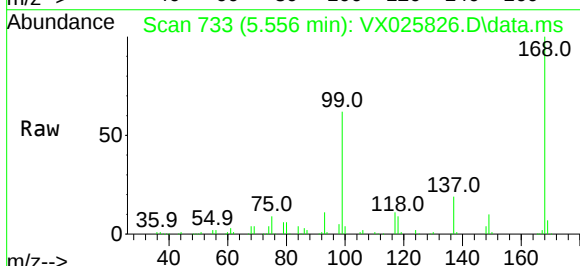
Tgt Ion: 56 Resp: 3194

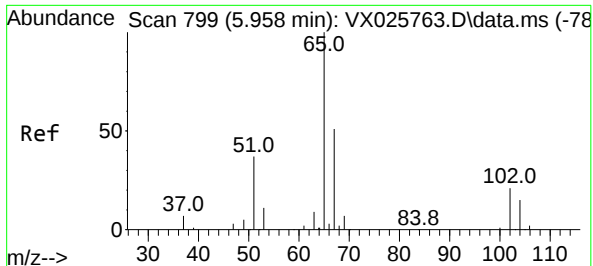
Ion Ratio Lower Upper

56 100

69 167.7 23.9 35.9#

84 163.7 73.2 109.8#





#33

1,2-Dichloroethane-d4

Concen: 48.492 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX025826.D

Acq: 15 Dec 2021 19:47

Instrument :

MSVOA_X

ClientSampleId :

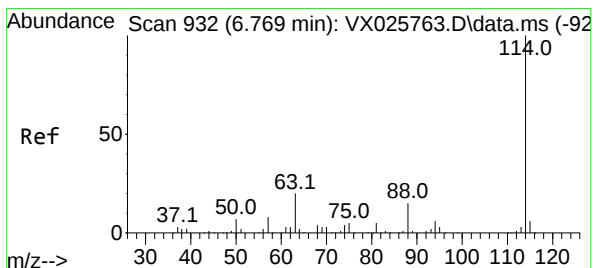
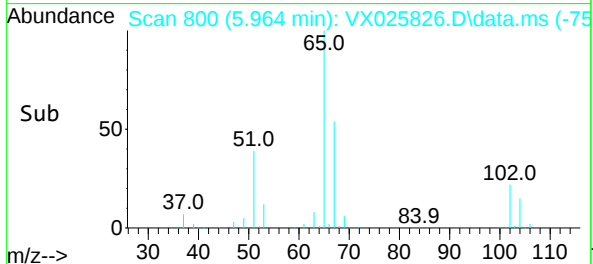
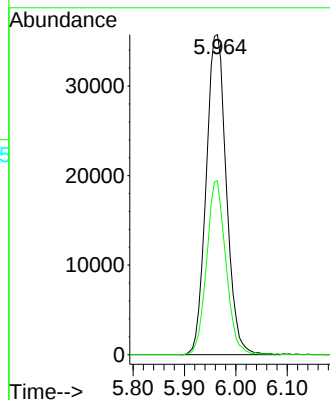
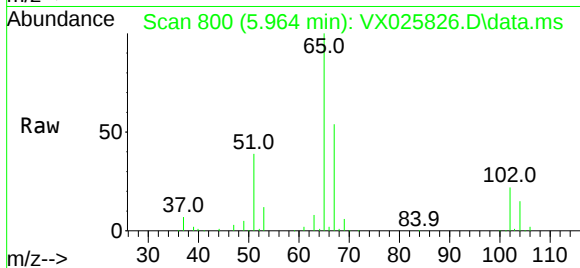
PB141382ZHE#06

Tgt Ion: 65 Resp: 97315

Ion Ratio Lower Upper

65 100

67 52.1 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX025826.D

Acq: 15 Dec 2021 19:47

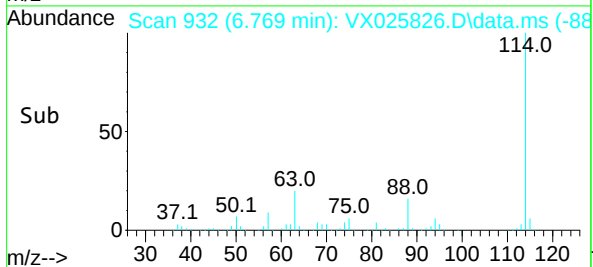
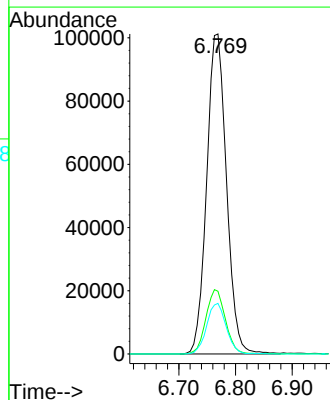
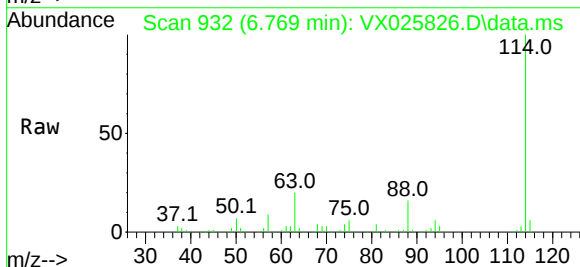
Tgt Ion: 114 Resp: 245753

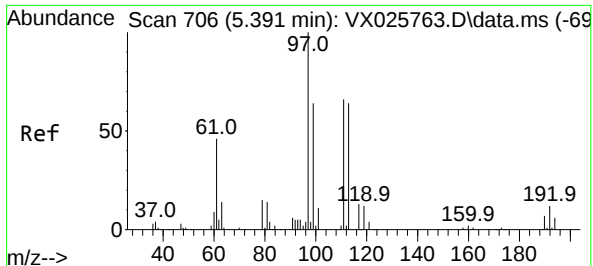
Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

88 15.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 46.676 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX025826.D

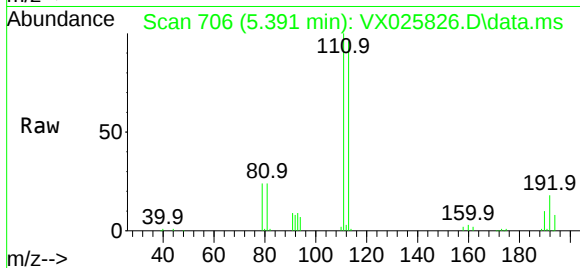
Acq: 15 Dec 2021 19:47

Instrument :

MSVOA_X

ClientSampleId :

PB141382ZHE#06



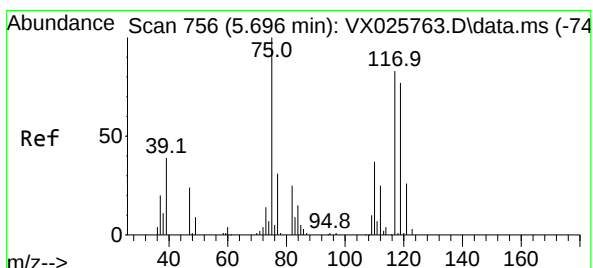
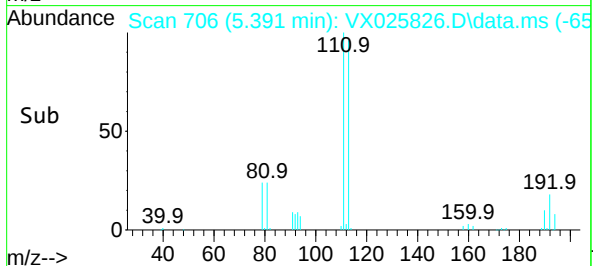
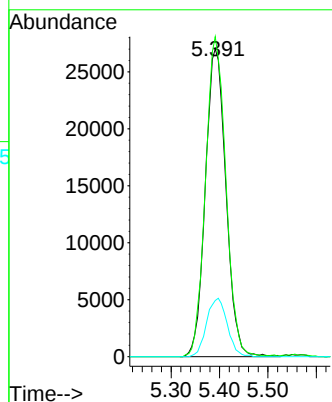
Tgt Ion:113 Resp: 79998

Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.8

192 19.0 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.920 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX025826.D

Acq: 15 Dec 2021 19:47

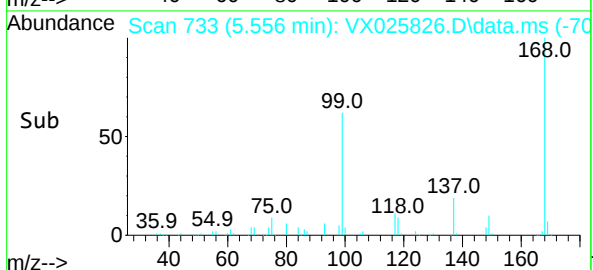
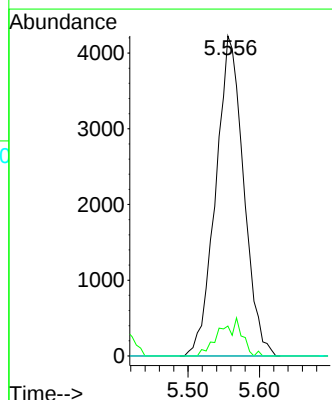
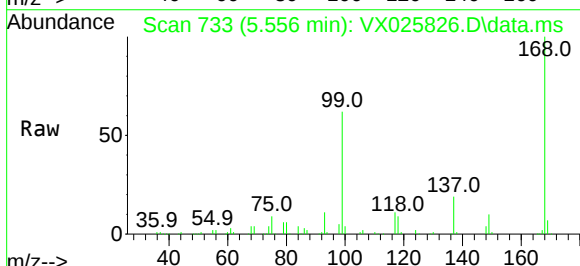
Tgt Ion: 75 Resp: 11435

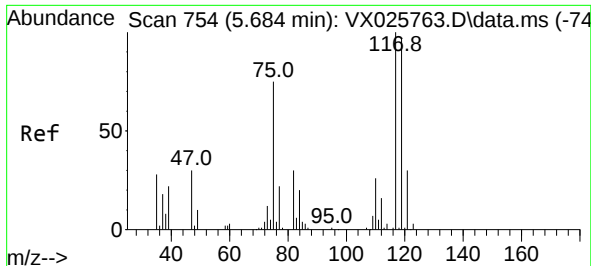
Ion Ratio Lower Upper

75 100

110 6.1 18.2 54.6#

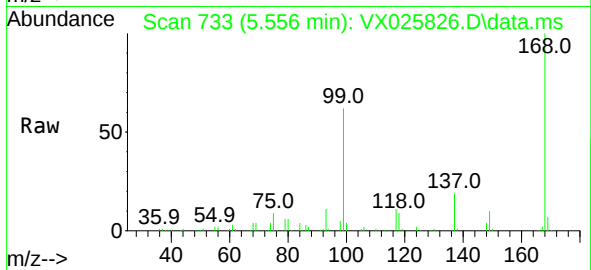
77 0.0 24.7 37.1#



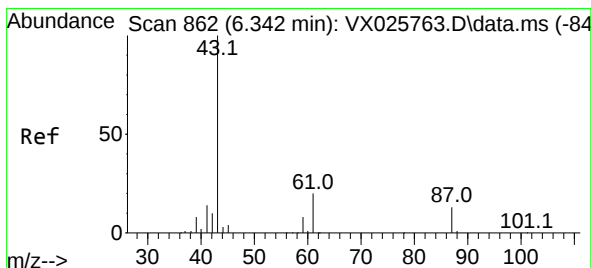
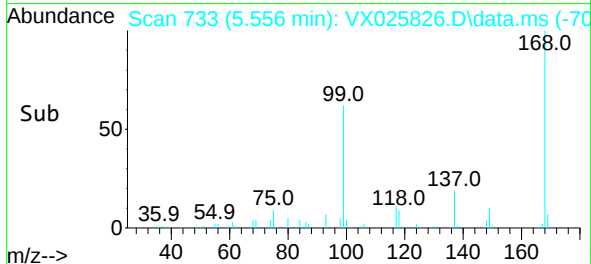
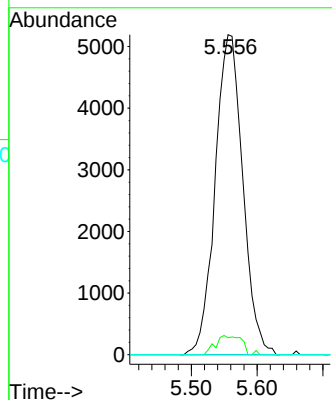


#38
Carbon Tetrachloride
Concen: 5.607 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX025826.D
Acq: 15 Dec 2021 19:47

Instrument :
MSVOA_X
ClientSampleId :
PB141382ZHE#06

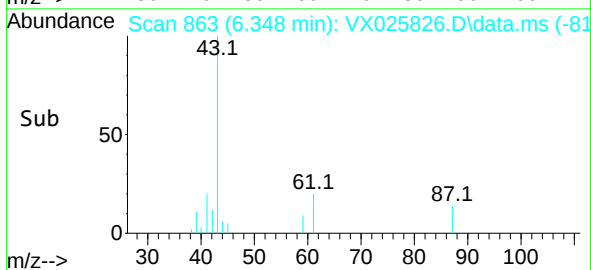
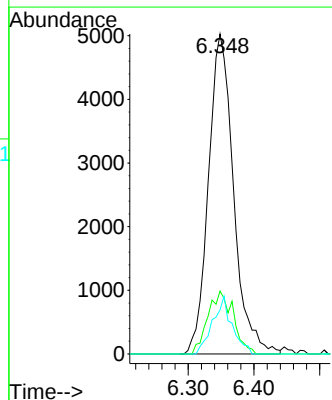
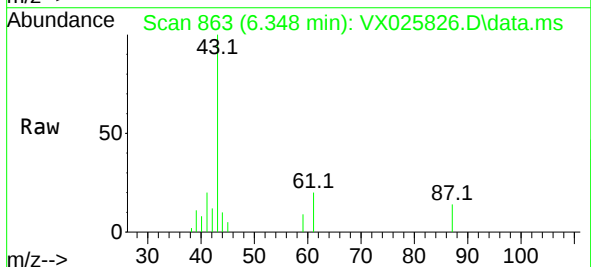


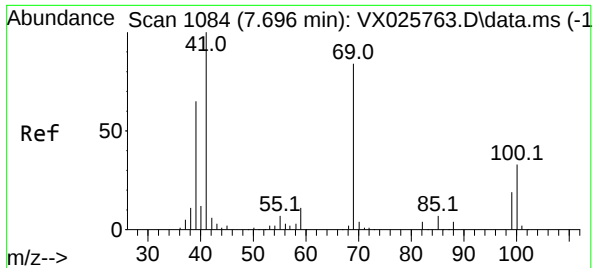
Tgt Ion:117 Resp: 15162
Ion Ratio Lower Upper
117 100
119 5.3 77.2 115.8#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 3.209 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX025826.D
Acq: 15 Dec 2021 19:47

Tgt Ion: 43 Resp: 13352
Ion Ratio Lower Upper
43 100
61 20.0 15.7 23.5
87 13.9 11.2 16.8





#48

Methyl methacrylate

Concen: 2.368 ug/l

RT: 7.598 min Scan# 1100

Delta R.T. -0.098 min

Lab File: VX025826.D

Acq: 15 Dec 2021 19:47

Instrument :

MSVOA_X

ClientSampleId :

PB141382ZHE#06

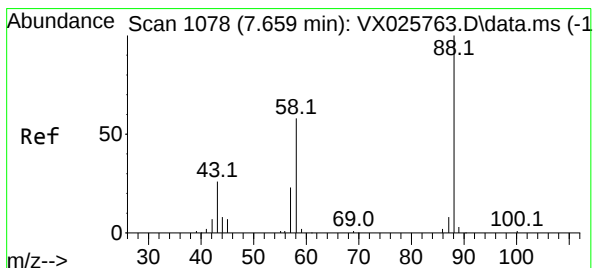
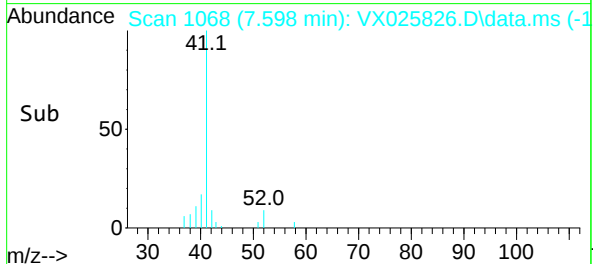
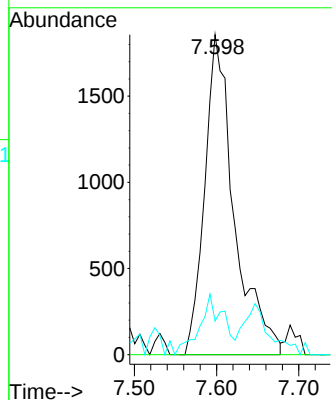
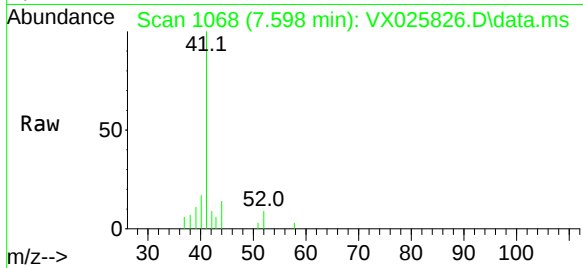
Tgt Ion: 41 Resp: 4640

Ion Ratio Lower Upper

41 100

69 0.0 67.3 100.9#

39 0.0 50.2 75.2#



#49

1,4-Dioxane

Concen: 2.291 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.146 min

Lab File: VX025826.D

Acq: 15 Dec 2021 19:47

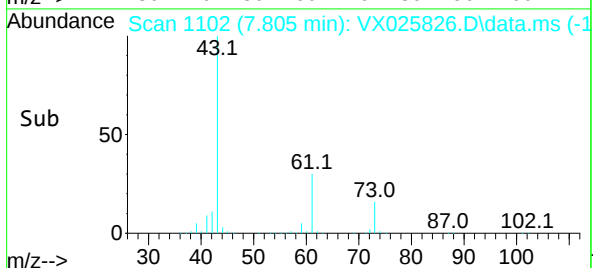
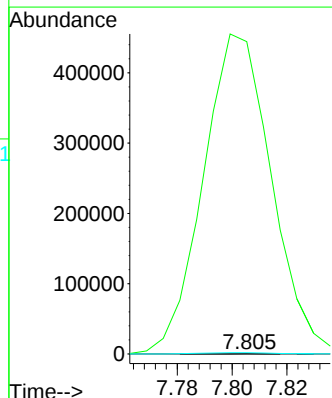
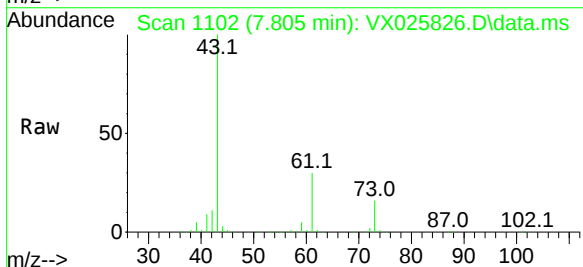
Tgt Ion: 88 Resp: 98

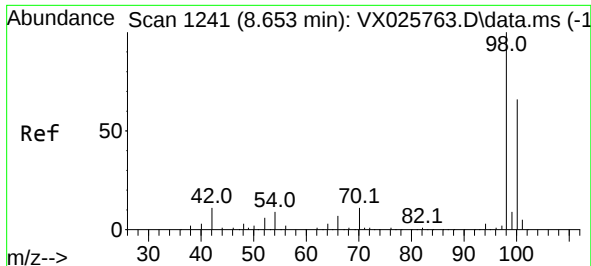
Ion Ratio Lower Upper

88 100

43 816272.4 25.3 37.9#

58 3554.1 51.8 77.6#

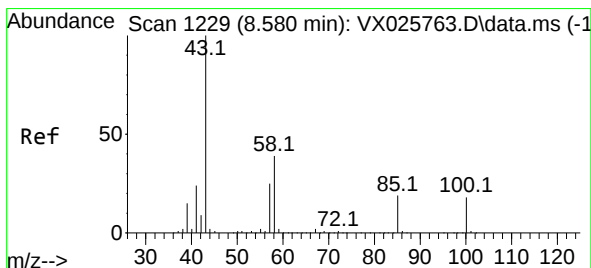
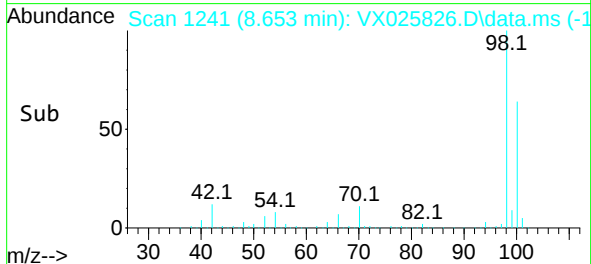
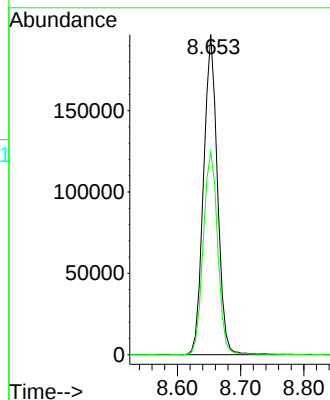
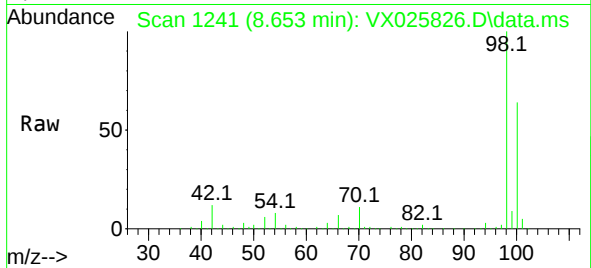




#50
Toluene-d8
Concen: 48.157 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025826.D
Acq: 15 Dec 2021 19:47

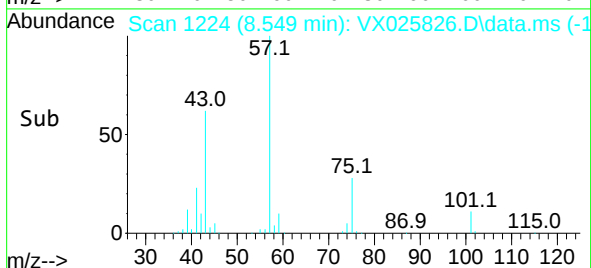
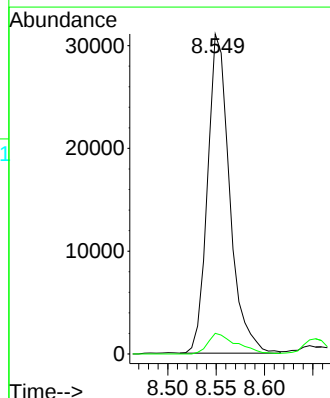
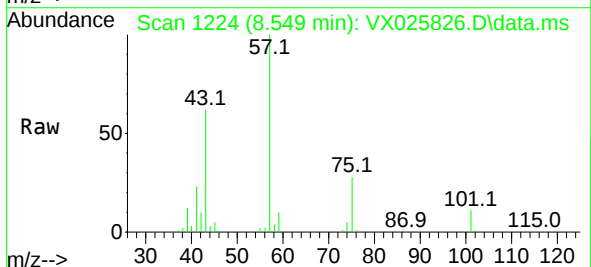
Instrument :
MSVOA_X
ClientSampleId :
PB141382ZHE#06

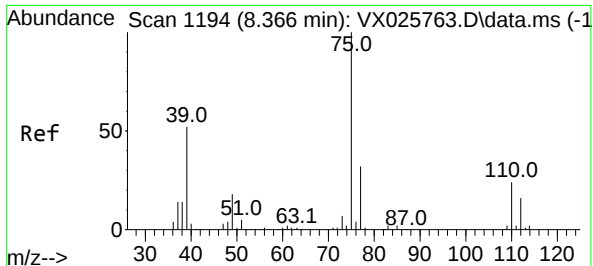
Tgt Ion: 98 Resp: 300724
Ion Ratio Lower Upper
98 100
100 66.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 18.162 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX025826.D
Acq: 15 Dec 2021 19:47

Tgt Ion: 43 Resp: 49463
Ion Ratio Lower Upper
43 100
58 8.3 30.8 46.2#

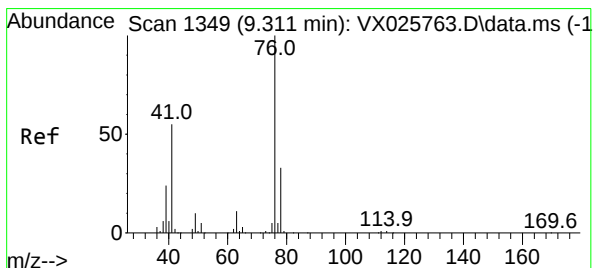
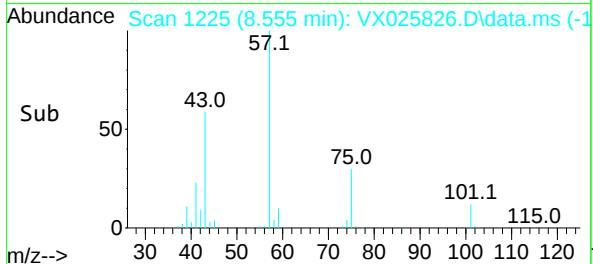
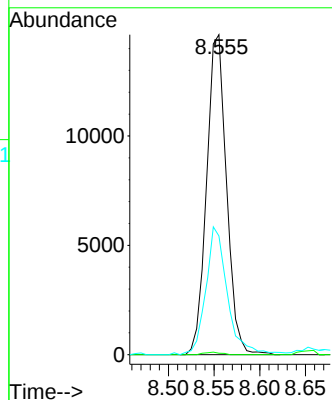
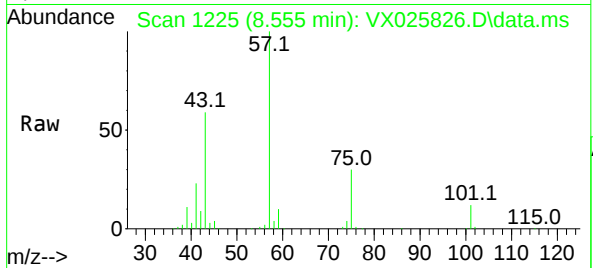




#54
 cis-1,3-Dichloropropene
 Concen: 7.908 ug/l
 RT: 8.555 min Scan# 1194
 Delta R.T. 0.189 min
 Lab File: VX025826.D
 Acq: 15 Dec 2021 19:47

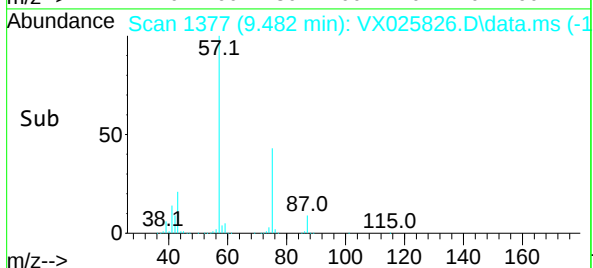
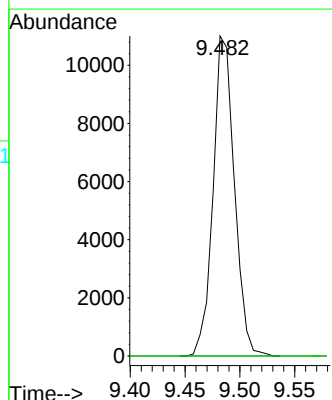
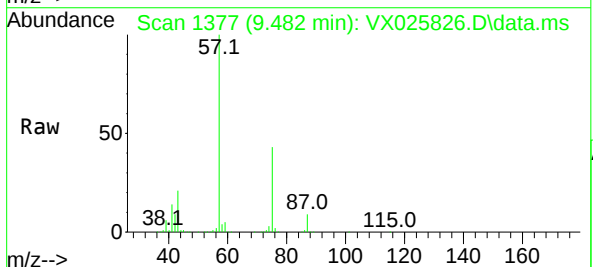
Instrument :
 MSVOA_X
 ClientSampleId :
 PB141382ZHE#06

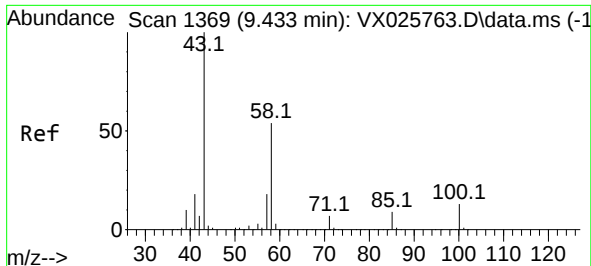
Tgt Ion: 75 Resp: 22116
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 37.1 41.4 62.0#



#57
 1,3-Dichloropropane
 Concen: 4.799 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.170 min
 Lab File: VX025826.D
 Acq: 15 Dec 2021 19:47

Tgt Ion: 76 Resp: 14914
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 94.226 ug/l

RT: 9.488 min Scan# 1

Delta R.T. 0.055 min

Lab File: VX025826.D

Acq: 15 Dec 2021 19:47

Instrument :

MSVOA_X

ClientSampleId :

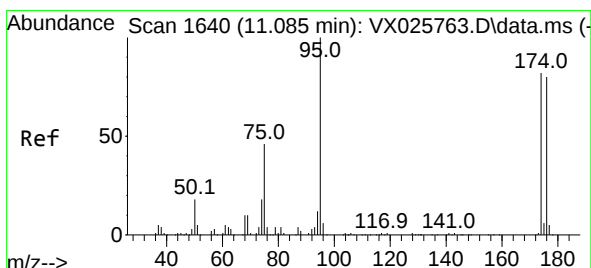
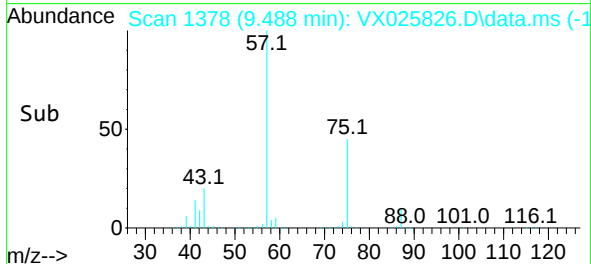
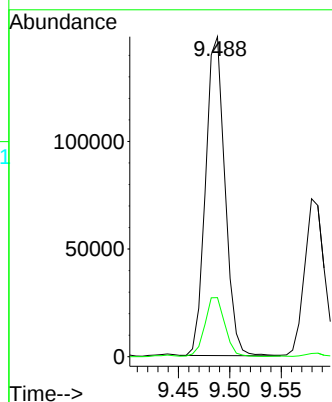
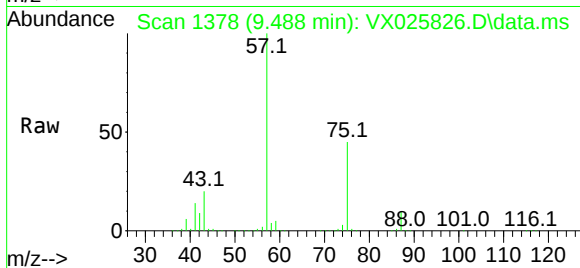
PB141382ZHE#06

Tgt Ion: 43 Resp: 194435

Ion Ratio Lower Upper

43 100

58 19.3 26.9 80.6#



#62

4-Bromofluorobenzene

Concen: 43.400 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.000 min

Lab File: VX025826.D

Acq: 15 Dec 2021 19:47

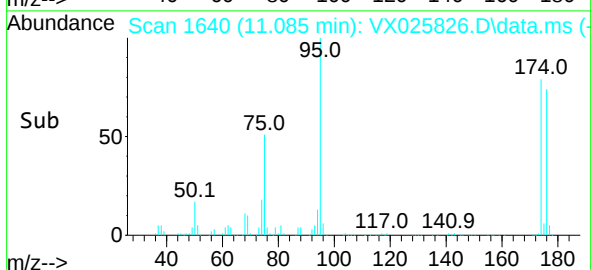
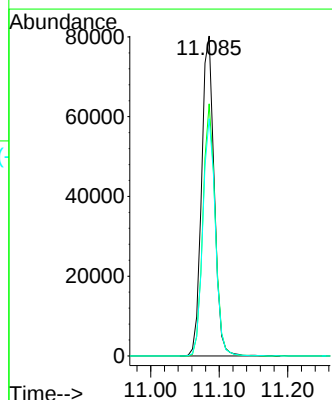
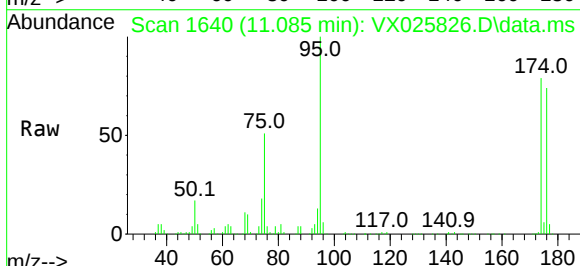
Tgt Ion: 95 Resp: 102951

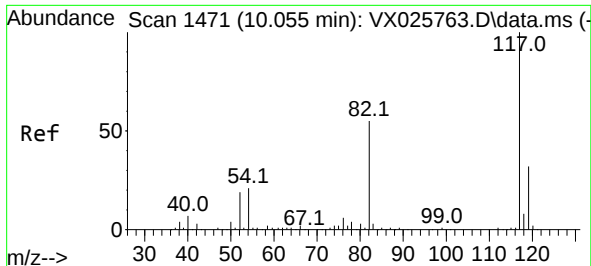
Ion Ratio Lower Upper

95 100

174 76.6 0.0 157.4

176 73.8 0.0 154.6

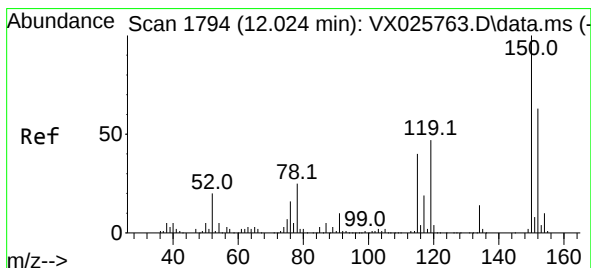
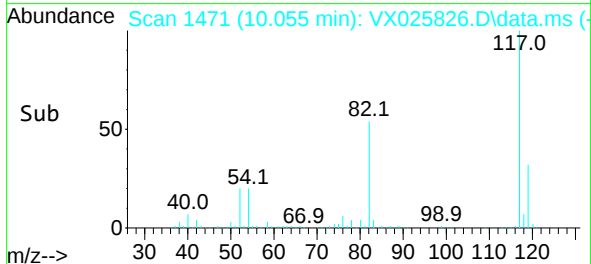
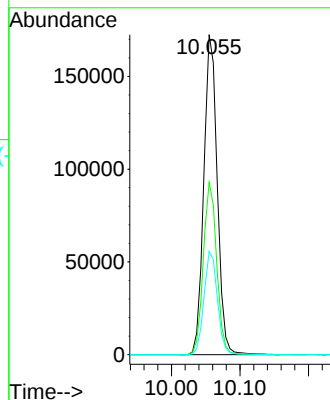
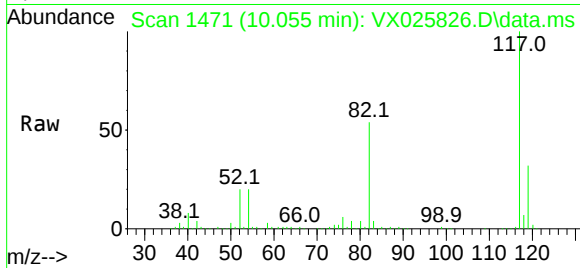




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025826.D
Acq: 15 Dec 2021 19:47

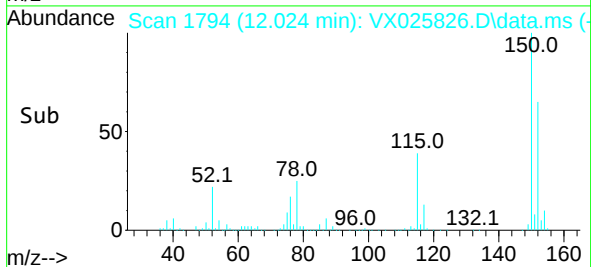
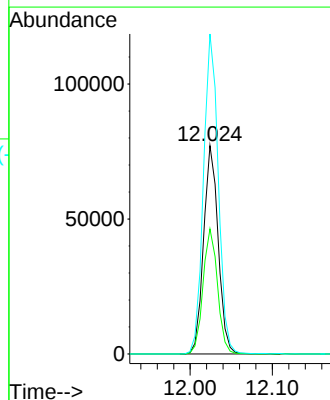
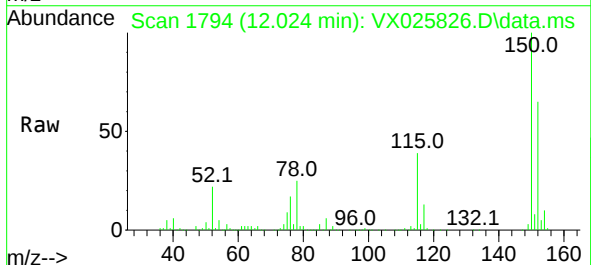
Instrument :
MSVOA_X
ClientSampleId :
PB141382ZHE#06

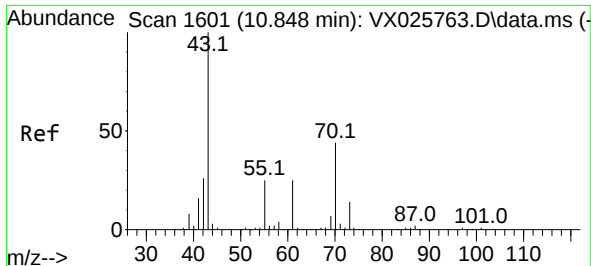
Tgt Ion:117 Resp: 236116
Ion Ratio Lower Upper
117 100
82 53.9 43.8 65.6
119 32.3 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX025826.D
Acq: 15 Dec 2021 19:47

Tgt Ion:152 Resp: 95087
Ion Ratio Lower Upper
152 100
115 59.5 41.3 123.9
150 156.0 0.0 351.8

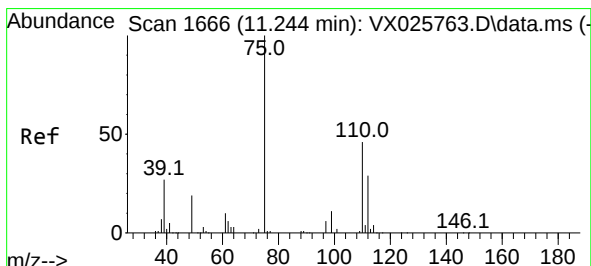
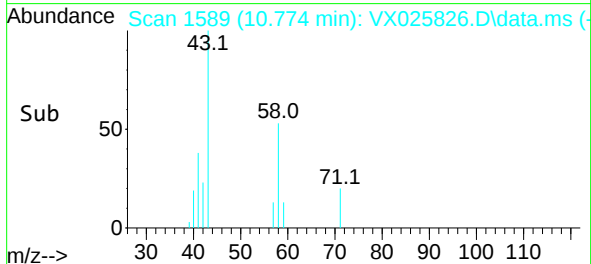
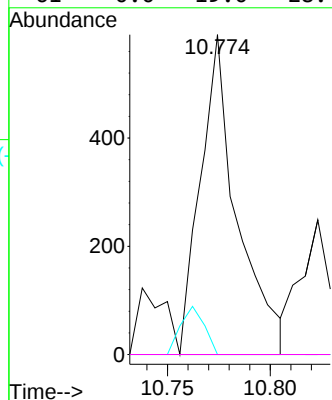
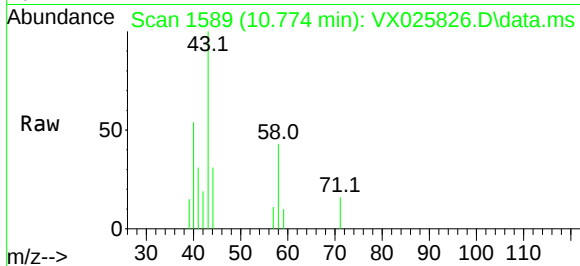




#74
N-amy1 acetate
Concen: 0.264 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.073 min
Lab File: VX025826.D
Acq: 15 Dec 2021 19:47

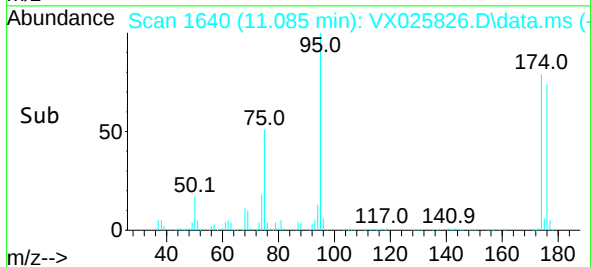
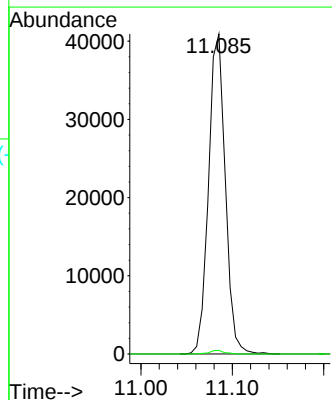
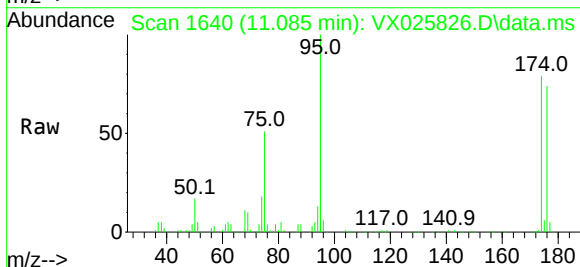
Instrument :
MSVOA_X
ClientSampleId :
PB141382ZHE#06

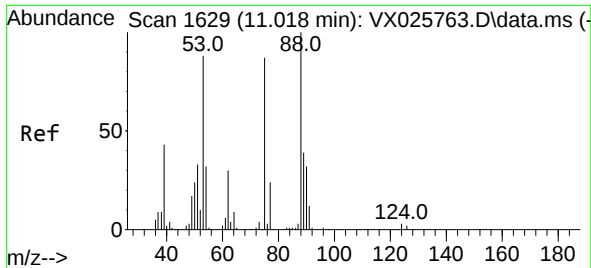
Tgt Ion: 43	Resp: 733
Ion Ratio	Lower Upper
43	100
70	0.0 34.1 51.1#
55	9.7 19.2 28.8#
61	0.0 19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 23.854 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX025826.D
Acq: 15 Dec 2021 19:47

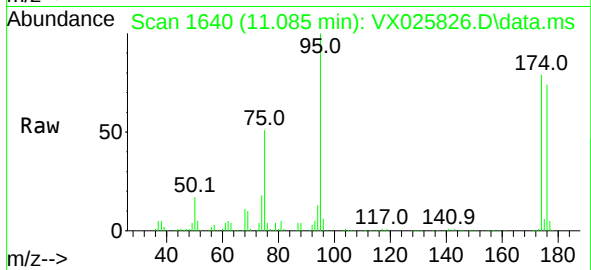
Tgt Ion: 75	Resp: 51969
Ion Ratio	Lower Upper
75	100
77	1.0 19.0 57.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.954 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX025826.D
 Acq: 15 Dec 2021 19:47

Instrument :
 MSVOA_X
 ClientSampleId :
 PB141382ZHE#06



Tgt Ion: 75 Resp: 51969
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.5 119.3#
 89 0.0 38.3 57.5#

