

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX011020\
 Data File : VX014530.D
 Acq On : 10 Jan 2020 12:29
 Operator : JC/SP
 Sample : L1063-01
 Misc : 6.85g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022SB451_200108_23-25ME

Quant Time: Jan 10 13:00:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	479209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	737650	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	670174	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	332986	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	262221	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
35) Dibromofluoromethane	5.48	113	212847	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
50) Toluene-d8	8.71	98	875447	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
62) 4-Bromofluorobenzene	11.14	95	320935	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	

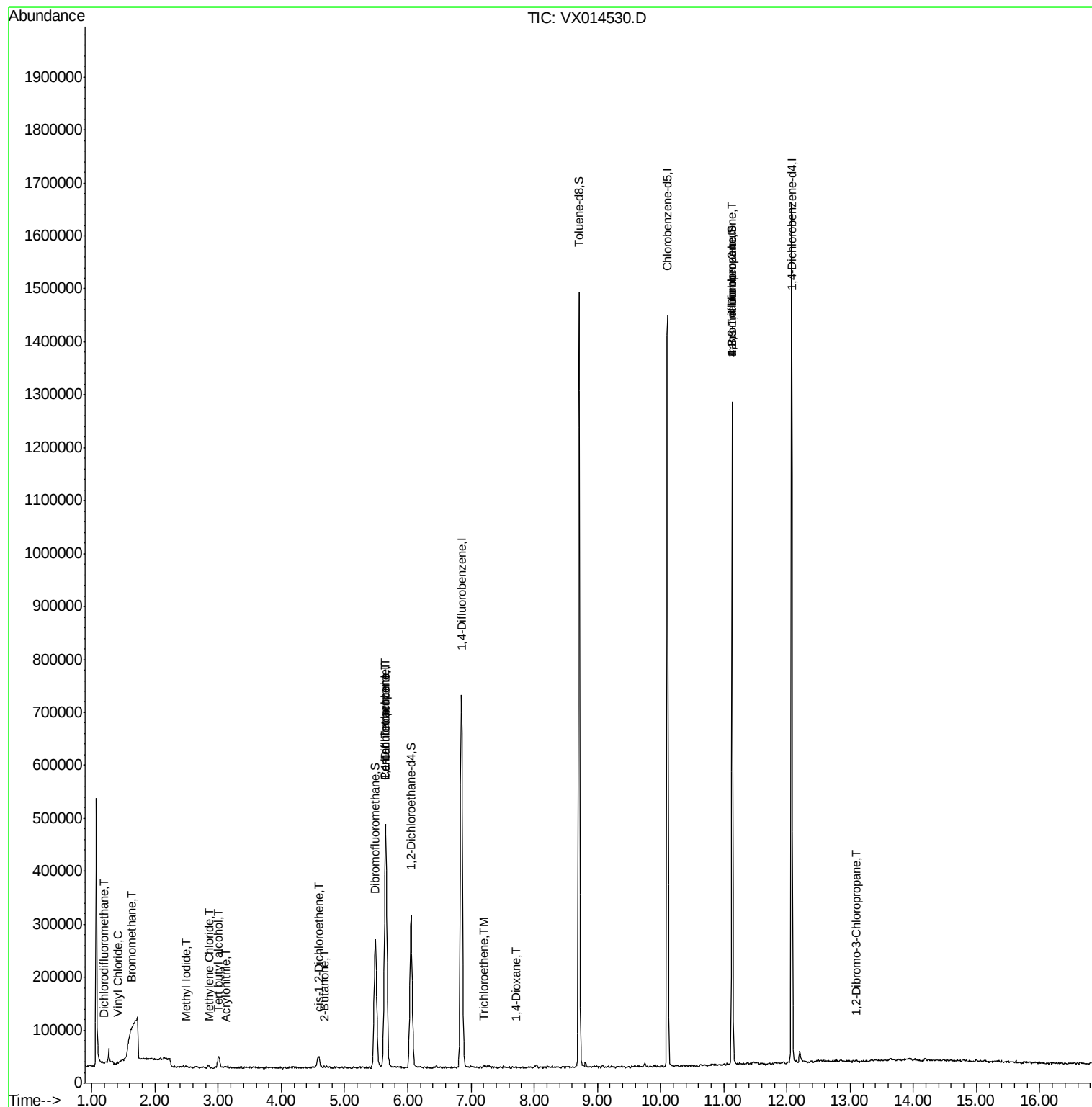
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	328	0.307	ug/l #	70
4) Vinyl Chloride	1.41	62	2843	0.418	ug/l	98
5) Bromomethane	1.63	94	2282	0.506	ug/l	97
6) Chloroethane	1.75	64	433	Below Cal	#	47
10) Methyl Iodide	2.50	142	1573	0.280	ug/l #	54
11) Tert butyl alcohol	3.00	59	14237	12.746	ug/l #	84
15) Acrylonitrile	3.12	53	1113	0.413	ug/l #	54
16) Acetone	2.44	43	6028	Below Cal		91
20) Methylene Chloride	2.85	84	2101	0.390	ug/l #	83
25) 2-Butanone	4.68	43	5413	1.355	ug/l #	66
27) cis-1,2-Dichloroethene	4.59	96	14237	2.465	ug/l	100
36) 1,1-Dichloropropene	5.65	75	32062	4.622	ug/l #	52
38) Carbon Tetrachloride	5.64	117	41519	6.504	ug/l #	19
44) Trichloroethene	7.20	130	1610	0.272	ug/l	77
49) 1,4-Dioxane	7.71	88	191	1.546	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	155766	22.609	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.14	75	155766	59.774	ug/l #	12
88) 1,4-Dichlorobenzene	12.03	146	988	Below Cal		91
92) 1,2-Dibromo-3-Chloropropan	13.10	75	381	0.226	ug/l	80
93) 1,2,4-Trichlorobenzene	13.64	180	530	Below Cal	#	15
96) 1,2,3-Trichlorobenzene	14.01	180	761	Below Cal	#	64

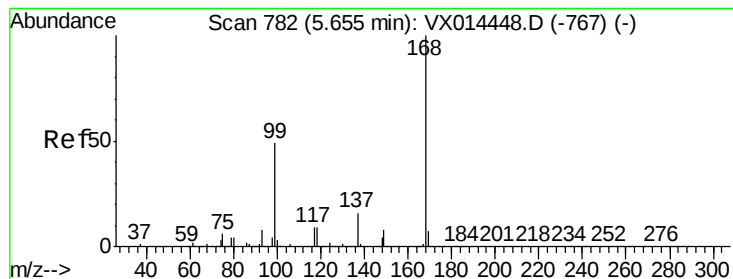
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX011020\
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Instrument :
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WP022SB451_200108_23-25ME

Quant Time: Jan 10 13:00:33 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 07 15:54:41 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX014530.D

Acq: 10 Jan 2020 12:29

Instrument :

MSVOA_X

ClientSampleId :

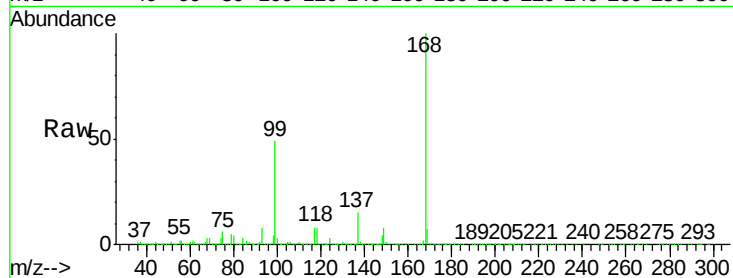
WP022SB451_200108_23-25ME

Tgt Ion: 168 Resp: 479209

Ion Ratio Lower Upper

168 100

99 49.2 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

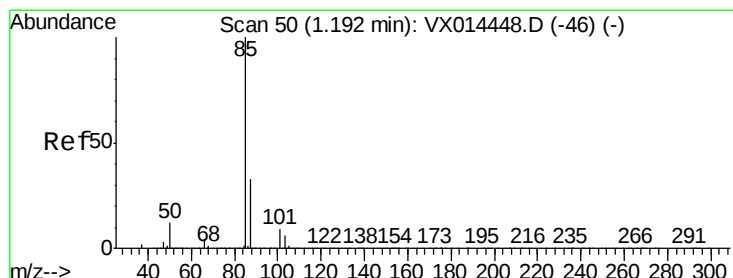
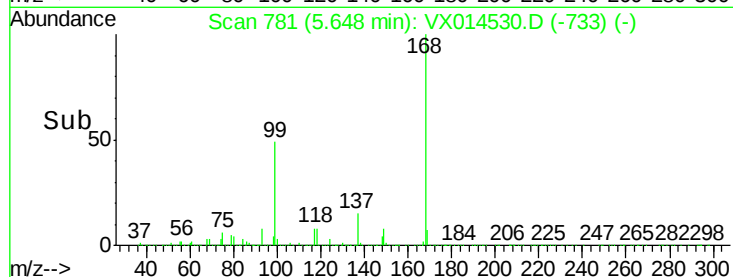
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.307 ug/l

RT: 1.19 min Scan# 49

Delta R.T. -0.01 min

Lab File: VX014530.D

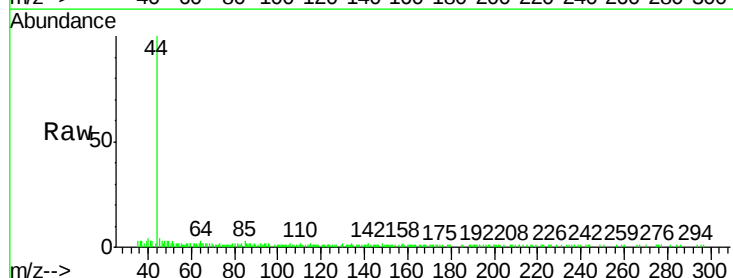
Acq: 10 Jan 2020 12:29

Tgt Ion: 85 Resp: 328

Ion Ratio Lower Upper

85 100

87 50.2 16.5 49.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

500

400

300

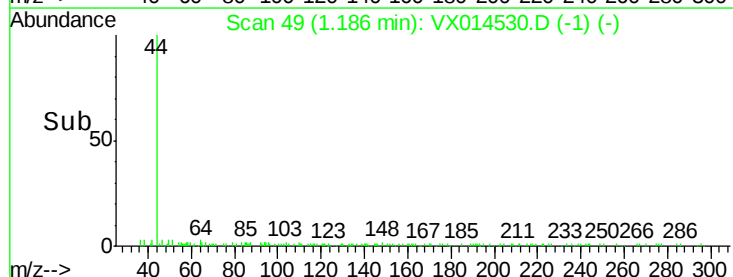
200

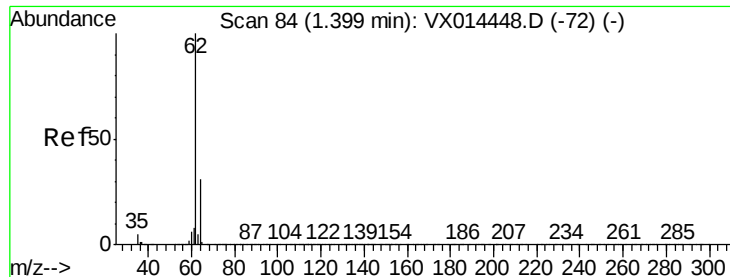
100

0

Time-->

1.17 1.18 1.19 1.20 1.21





#4

Vinyl Chloride

Concen: 0.418 ug/l

RT: 1.41 min Scan# 85

Delta R.T. 0.01 min

Lab File: VX014530.D

Acq: 10 Jan 2020 12:29

Instrument :

MSVOA_X

ClientSampleId :

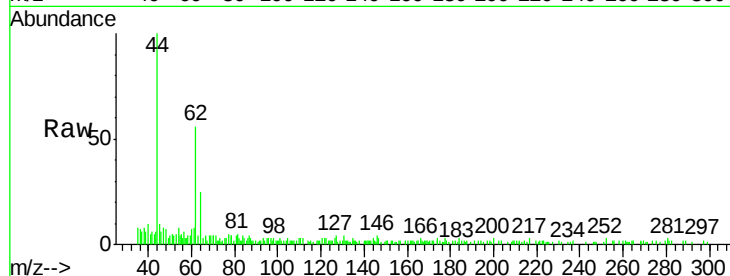
WP022SB451_200108_23-25ME

Tgt Ion: 62 Resp: 2843

Ion Ratio Lower Upper

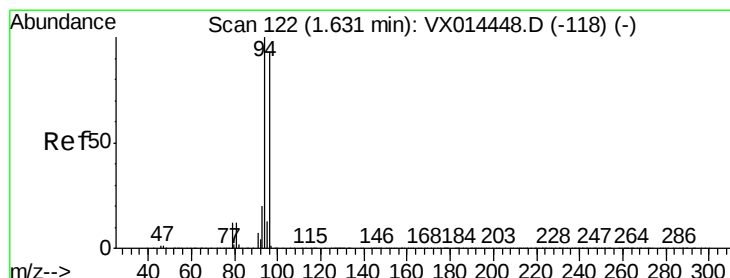
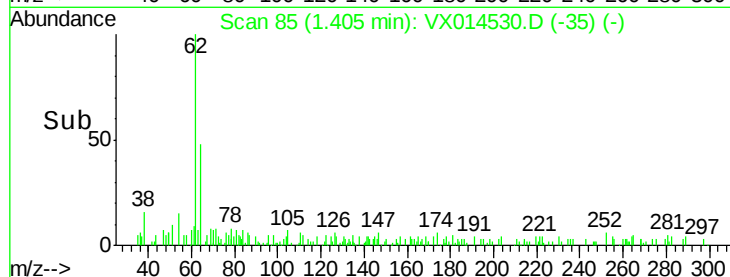
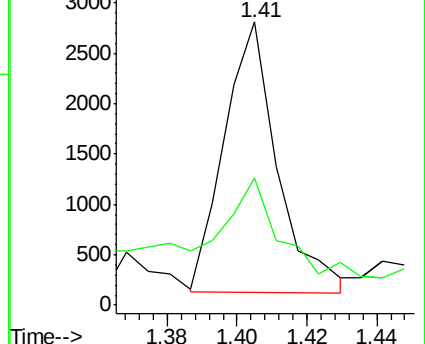
62 100

64 31.6 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.506 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.00 min

Lab File: VX014530.D

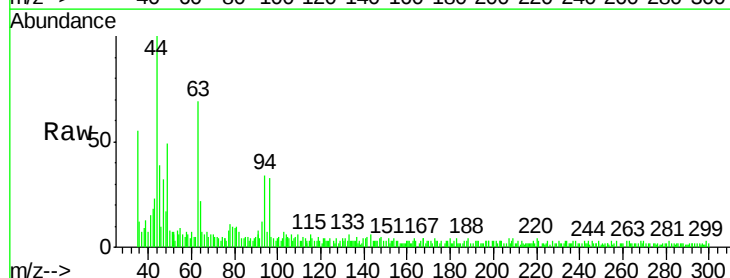
Acq: 10 Jan 2020 12:29

Tgt Ion: 94 Resp: 2282

Ion Ratio Lower Upper

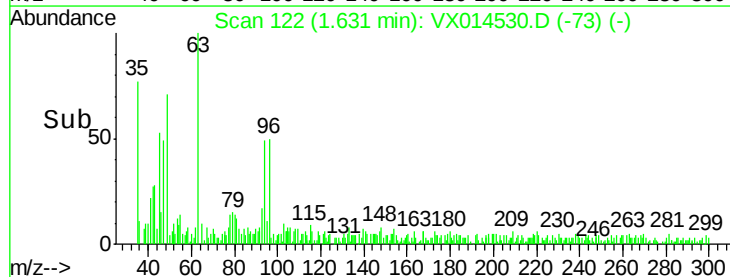
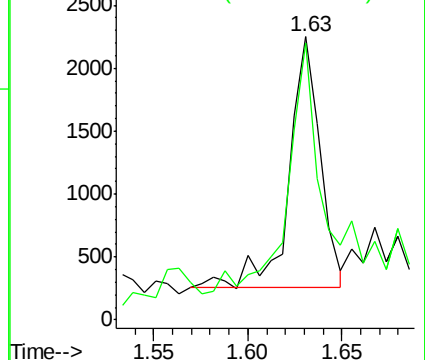
94 100

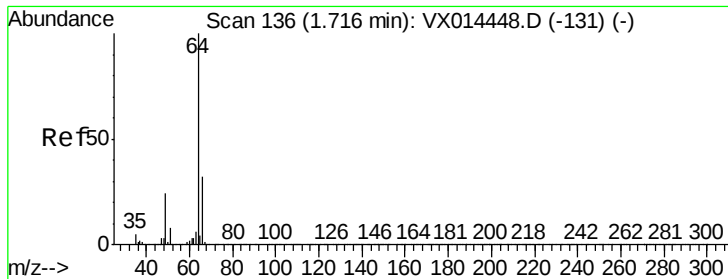
96 95.9 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.75 min Scan# 141

Delta R.T. 0.03 min

Lab File: VX014530.D

Acq: 10 Jan 2020 12:29

Instrument :

MSVOA_X

ClientSampleId :

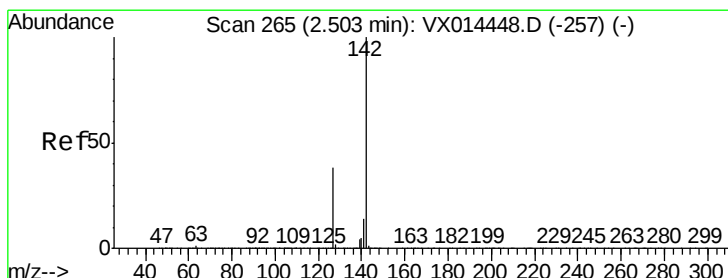
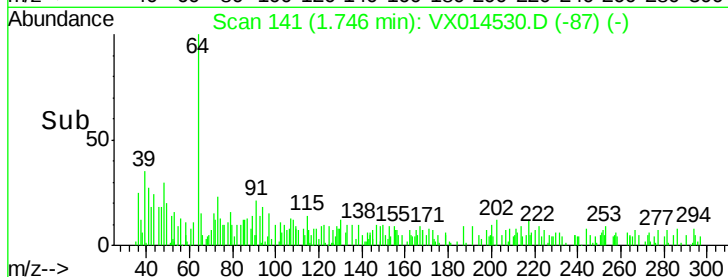
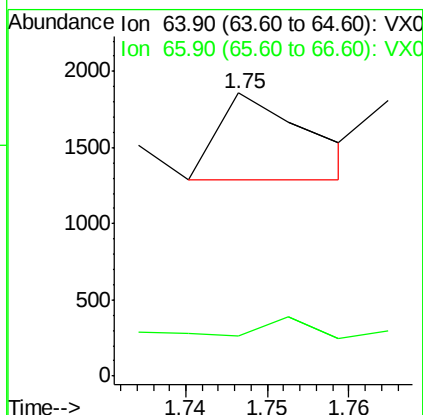
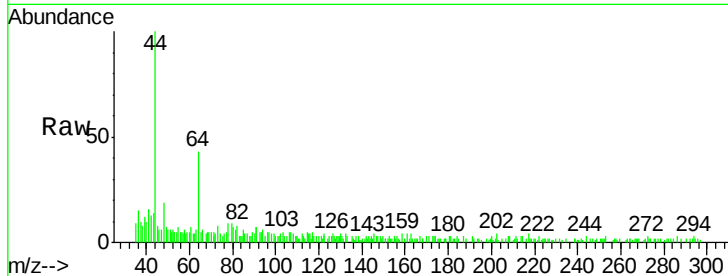
WP022SB451_200108_23-25ME

Tgt Ion: 64 Resp: 433

Ion Ratio Lower Upper

64 100

66 2.3 25.3 37.9#



#10

Methyl Iodide

Concen: 0.280 ug/l

RT: 2.50 min Scan# 264

Delta R.T. -0.01 min

Lab File: VX014530.D

Acq: 10 Jan 2020 12:29

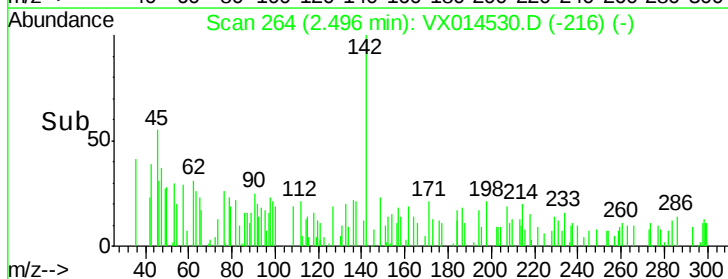
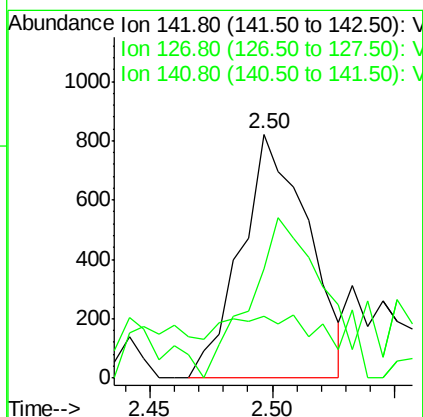
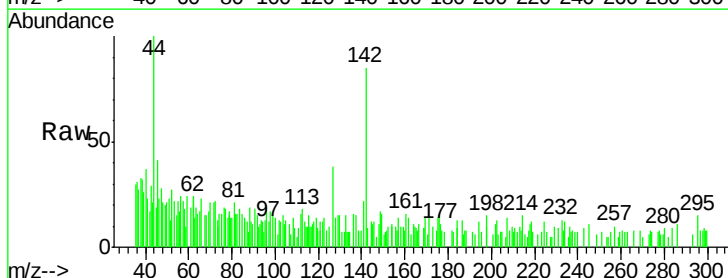
Tgt Ion: 142 Resp: 1573

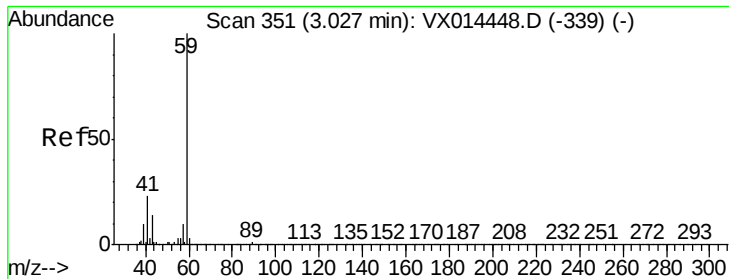
Ion Ratio Lower Upper

142 100

127 69.4 31.2 46.8#

141 0.0 11.4 17.2#

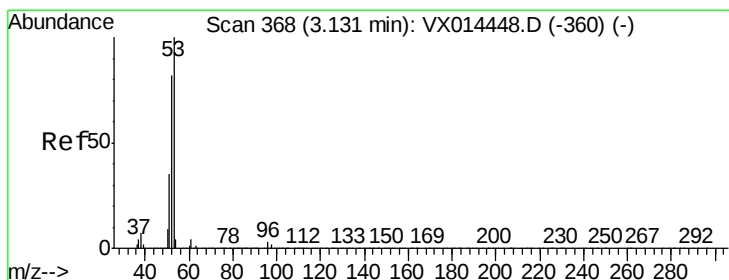
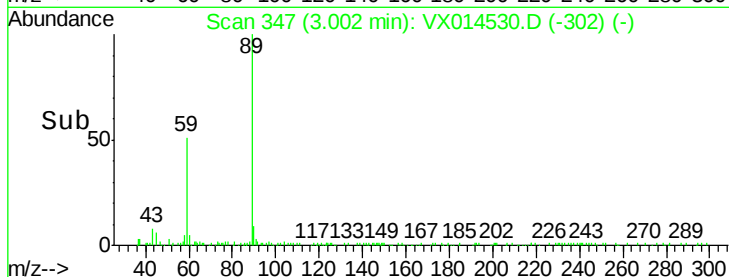
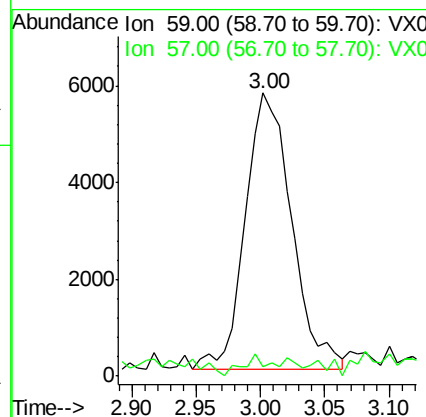
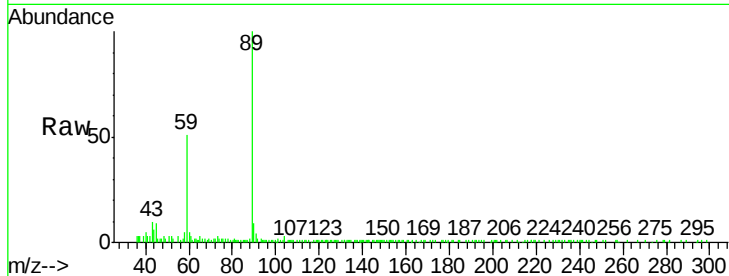




#11
Tert butyl alcohol
Concen: 12.746 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.02 min
Lab File: VX014530.D
Acq: 10 Jan 2020 12:29

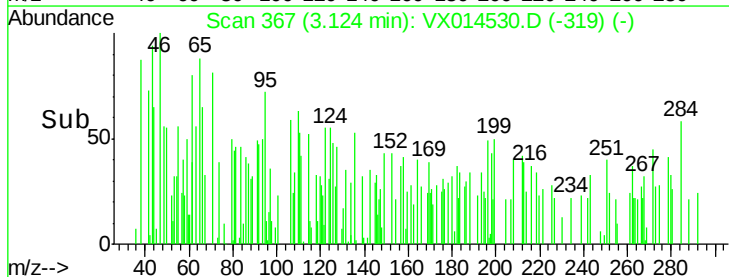
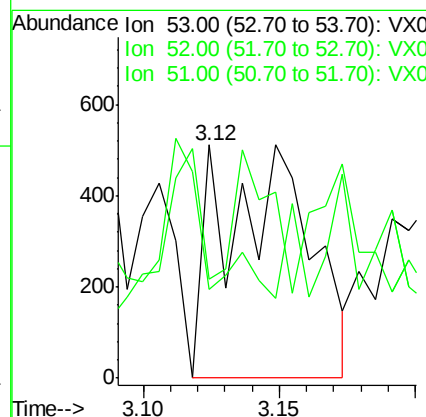
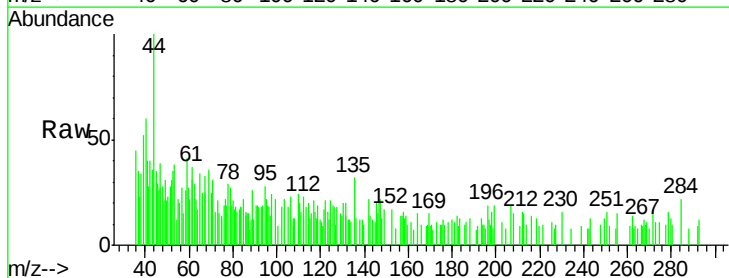
Instrument :
MSVOA_X
ClientSampleId :
WP022SB451_200108_23-25ME

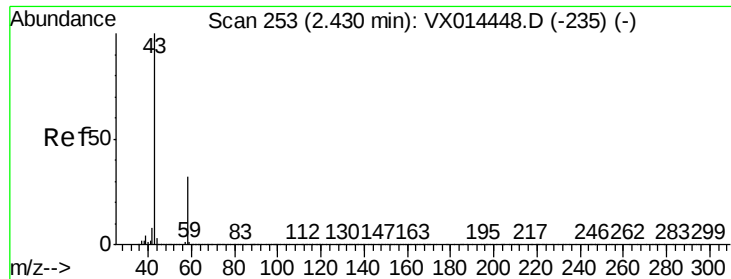
Tgt Ion: 59 Resp: 14237
Ion Ratio Lower Upper
59 100
57 4.5 8.5 12.7#



#15
Acrylonitrile
Concen: 0.413 ug/l
RT: 3.12 min Scan# 367
Delta R.T. -0.01 min
Lab File: VX014530.D
Acq: 10 Jan 2020 12:29

Tgt Ion: 53 Resp: 1113
Ion Ratio Lower Upper
53 100
52 34.8 67.0 100.4#
51 19.7 28.5 42.7#





#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 255

Delta R.T. 0.01 min

Lab File: VX014530.D

Acq: 10 Jan 2020 12:29

Instrument :

MSVOA_X

ClientSampleId :

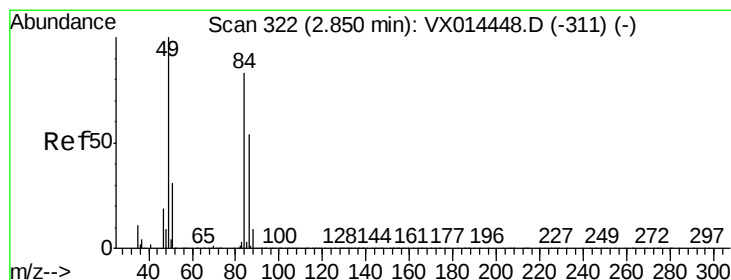
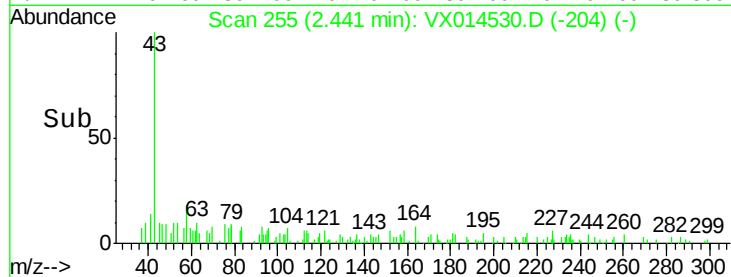
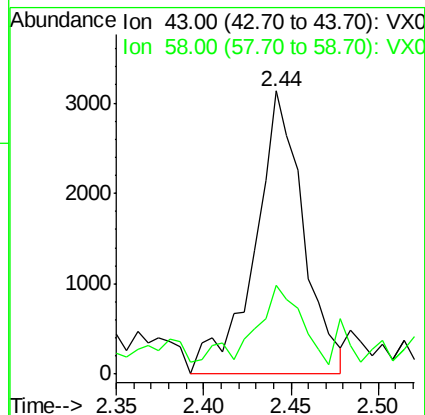
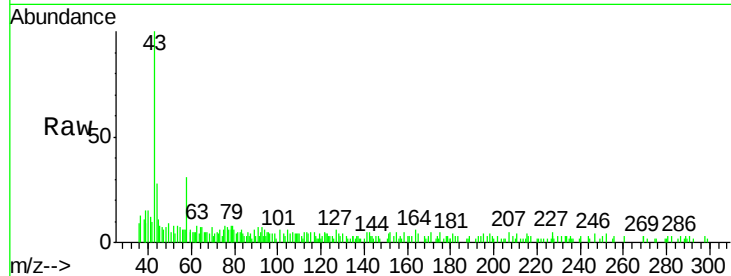
WP022SB451_200108_23-25ME

Tgt Ion: 43 Resp: 6028

Ion Ratio Lower Upper

43 100

58 26.9 25.4 38.0



#20

Methylene Chloride

Concen: 0.390 ug/l

RT: 2.85 min Scan# 322

Delta R.T. -0.00 min

Lab File: VX014530.D

Acq: 10 Jan 2020 12:29

Tgt Ion: 84 Resp: 2101

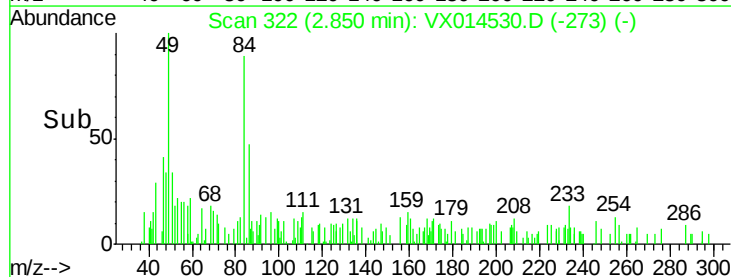
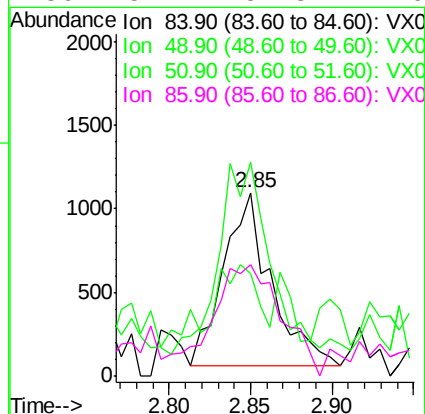
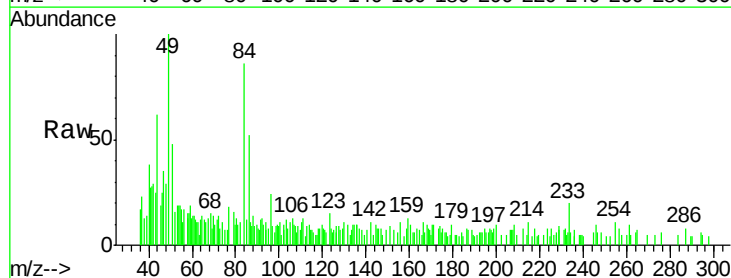
Ion Ratio Lower Upper

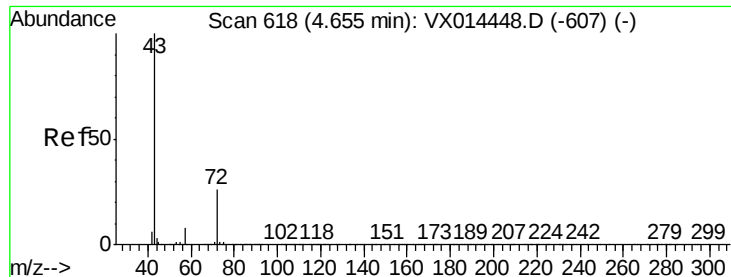
84 100

49 104.6 95.8 143.8

51 21.0 30.2 45.4#

86 52.4 51.8 77.6





#25

2-Butanone

Concen: 1.355 ug/l

RT: 4.68 min Scan# 622

Delta R.T. 0.02 min

Lab File: VX014530.D

Acq: 10 Jan 2020 12:29

Instrument :

MSVOA_X

ClientSampleId :

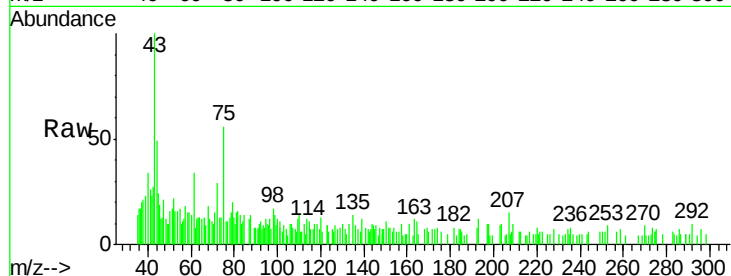
WP022SB451_200108_23-25ME

Tgt Ion: 43 Resp: 5413

Ion Ratio Lower Upper

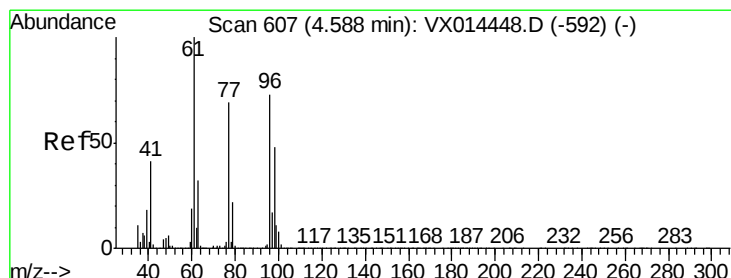
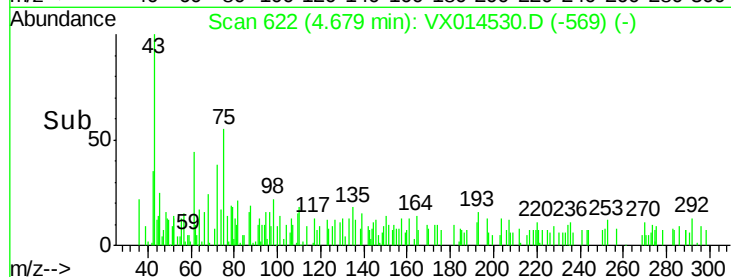
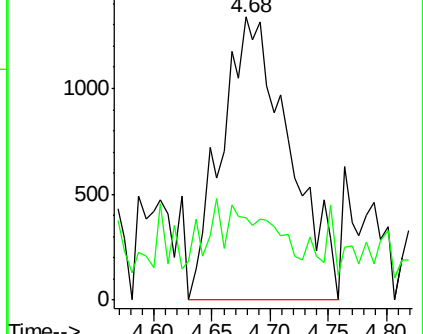
43 100

72 8.5 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 2.465 ug/l

RT: 4.59 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX014530.D

Acq: 10 Jan 2020 12:29

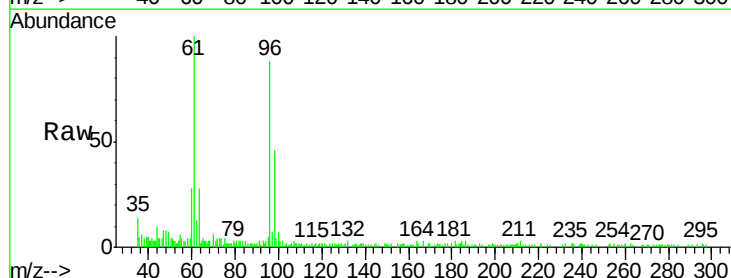
Tgt Ion: 96 Resp: 14237

Ion Ratio Lower Upper

96 100

61 142.6 0.0 285.4

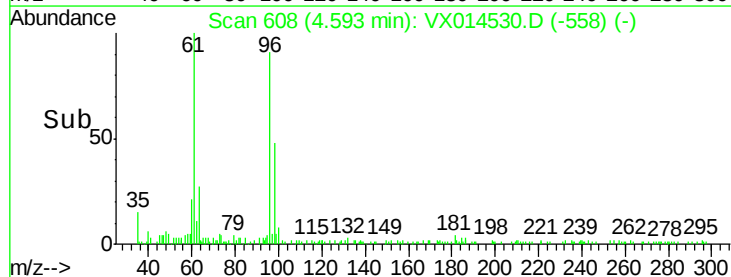
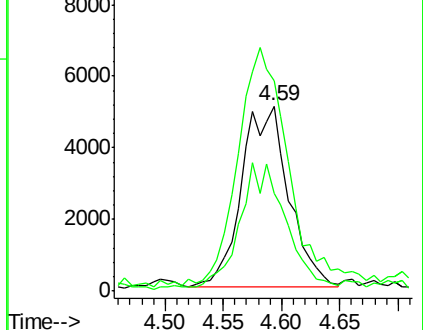
98 65.1 0.0 130.6

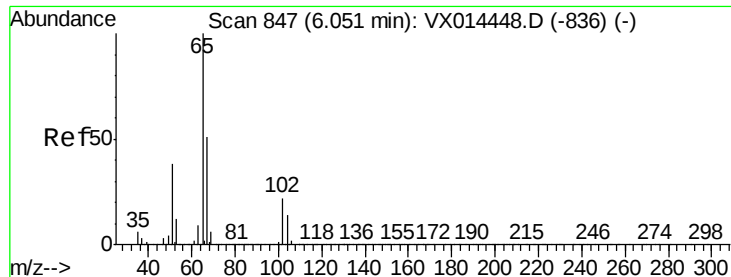


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.017 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX014530.D

Acq: 10 Jan 2020 12:29

Instrument :

MSVOA_X

ClientSampleId :

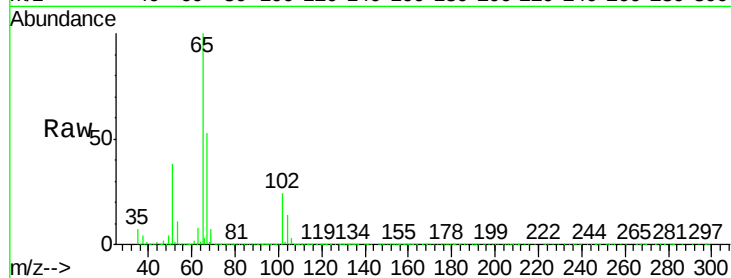
WP022SB451_200108_23-25ME

Tgt Ion: 65 Resp: 262221

Ion Ratio Lower Upper

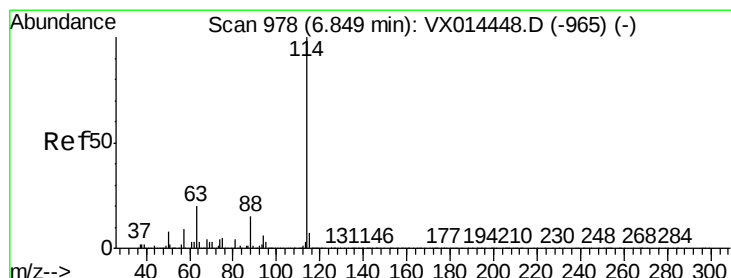
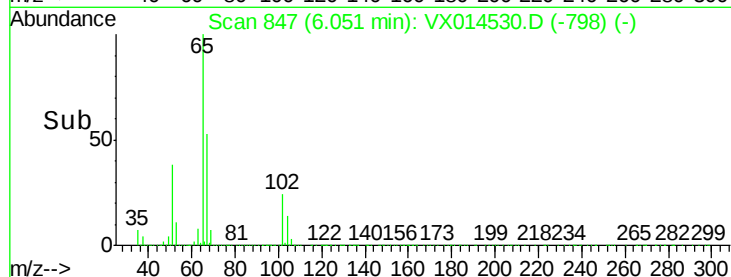
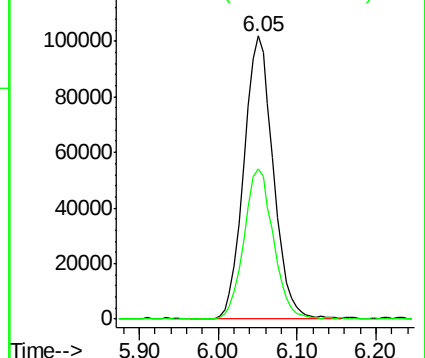
65 100

67 52.8 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX014530.D

Acq: 10 Jan 2020 12:29

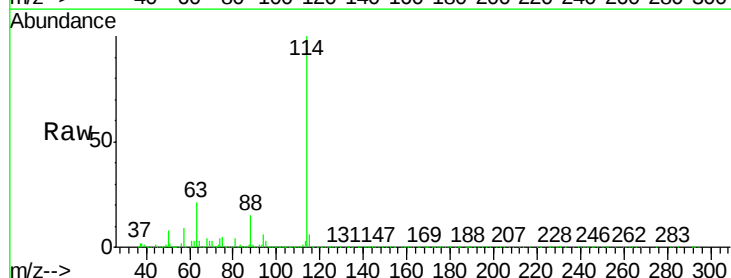
Tgt Ion: 114 Resp: 737650

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.6

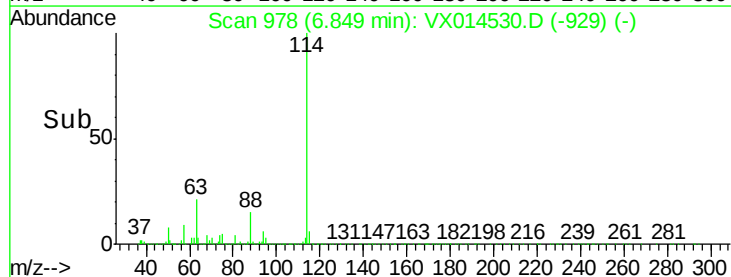
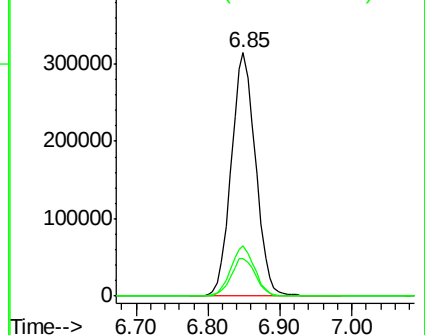
88 15.3 0.0 30.8

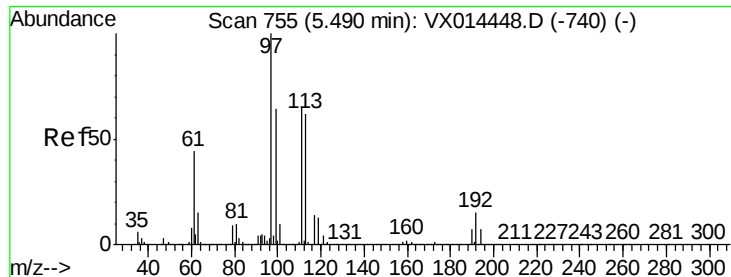


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.667 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX014530.D

Acq: 10 Jan 2020 12:29

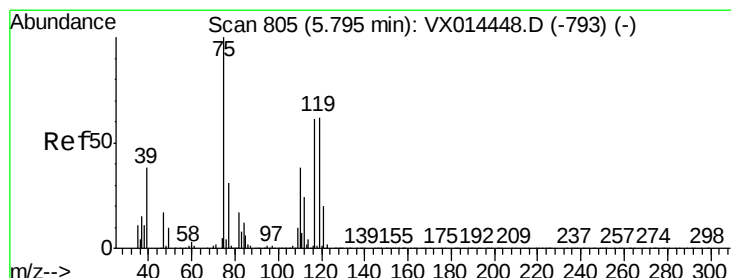
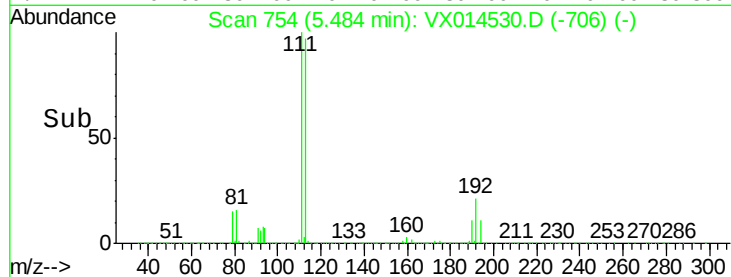
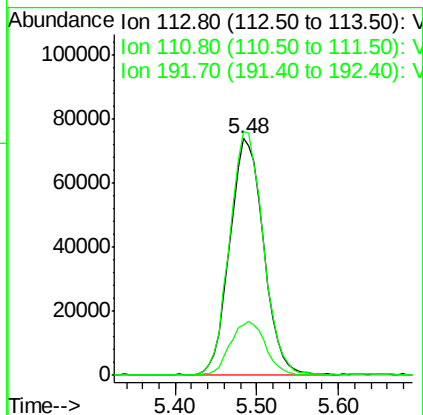
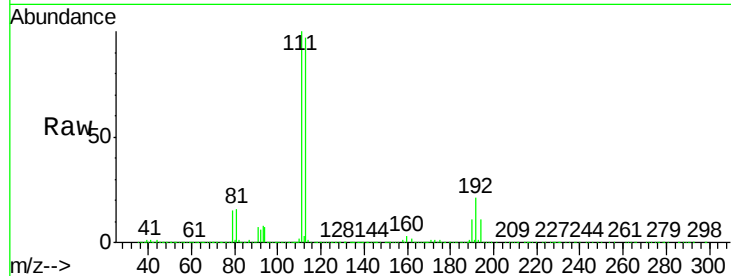
Instrument :

MSVOA_X

ClientSampleId :

WP022SB451_200108_23-25ME

Tgt Ion:	113	Resp:	212847
Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.5	122.3
192	23.3	19.2	28.8



#36

1,1-Dichloropropene

Concen: 4.622 ug/l

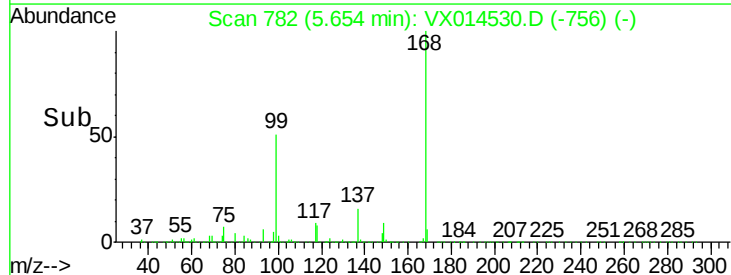
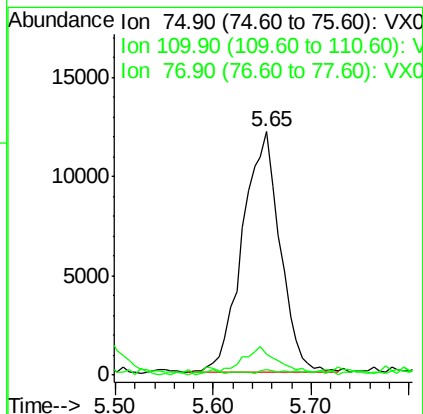
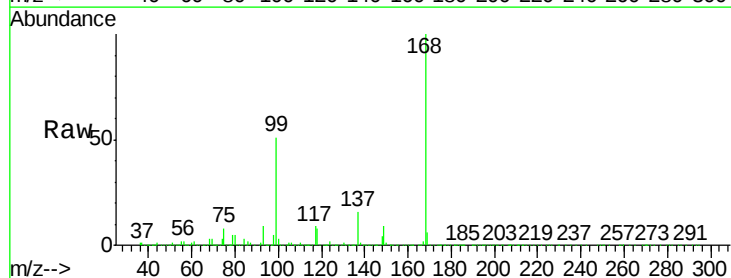
RT: 5.65 min Scan# 782

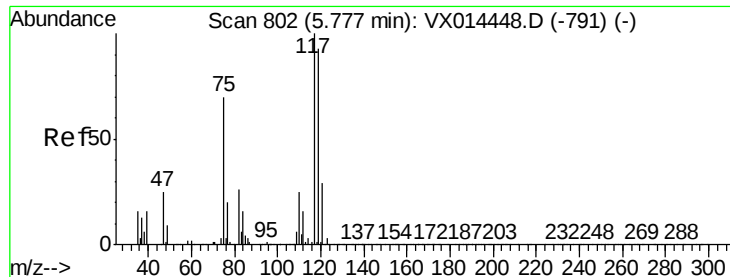
Delta R.T. -0.14 min

Lab File: VX014530.D

Acq: 10 Jan 2020 12:29

Tgt Ion:	75	Resp:	32062
Ion	Ratio	Lower	Upper
75	100		
110	12.3	18.6	55.8#
77	0.4	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.504 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX014530.D

Acq: 10 Jan 2020 12:29

Instrument :

MSVOA_X

ClientSampleId :

WP022SB451_200108_23-25ME

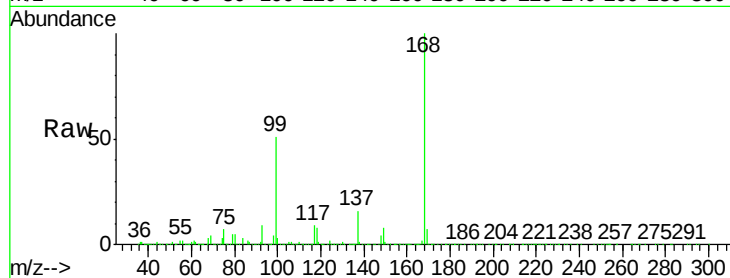
Tgt Ion:117 Resp: 41519

Ion Ratio Lower Upper

117 100

119 6.7 73.8 110.8#

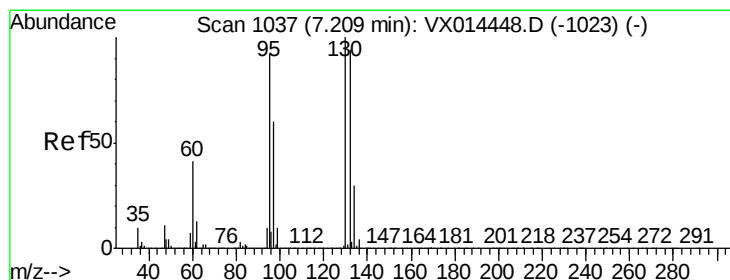
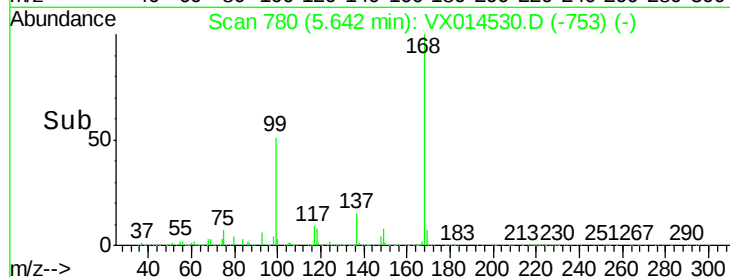
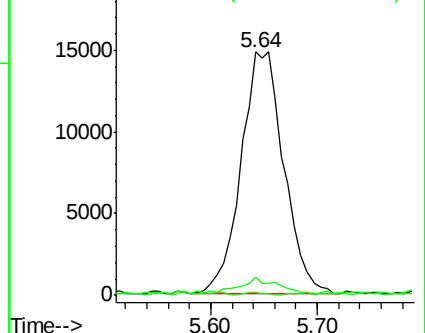
121 0.4 23.4 35.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 0.272 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX014530.D

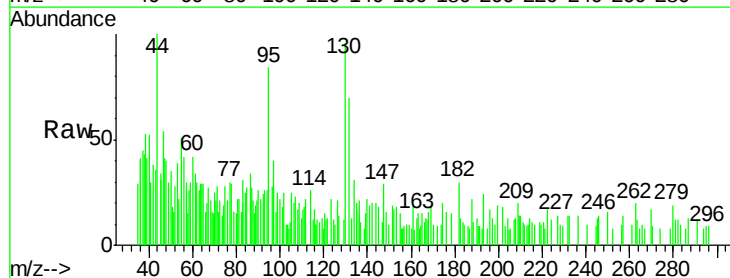
Acq: 10 Jan 2020 12:29

Tgt Ion:130 Resp: 1610

Ion Ratio Lower Upper

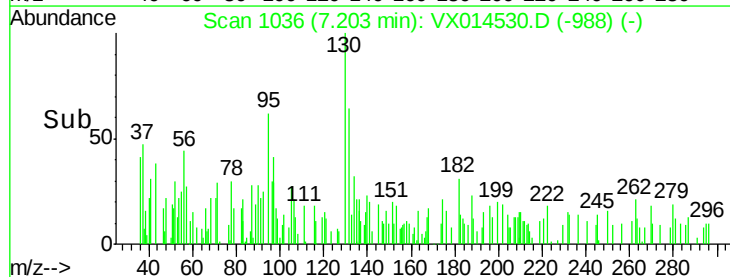
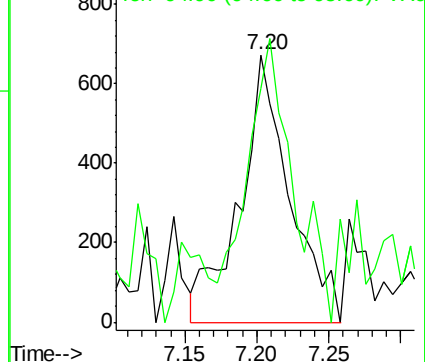
130 100

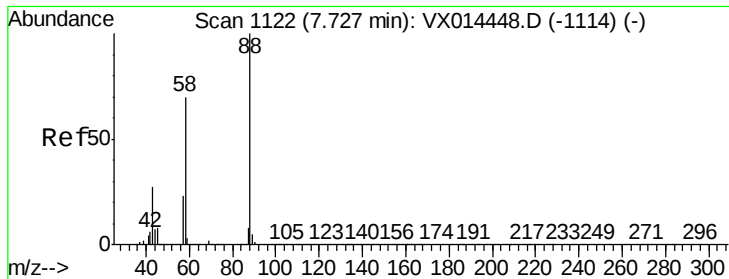
95 70.5 0.0 184.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

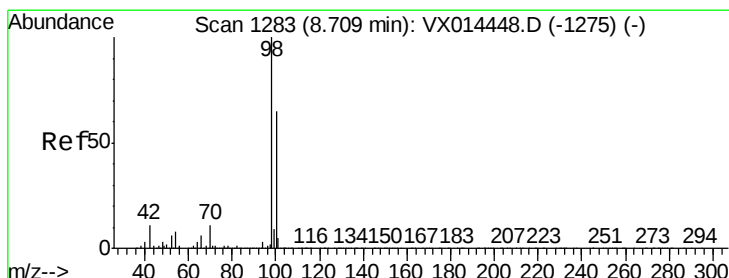
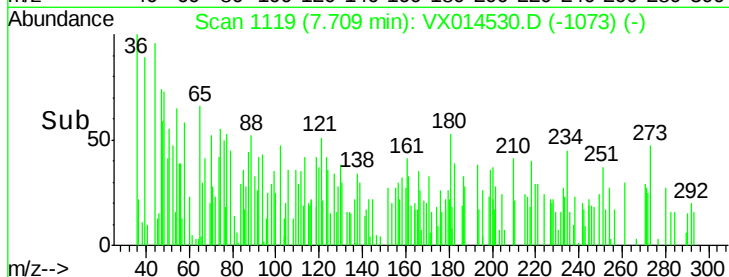
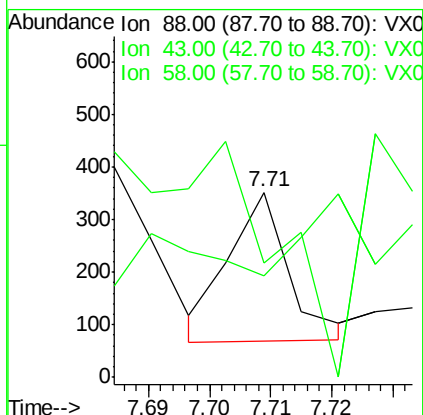
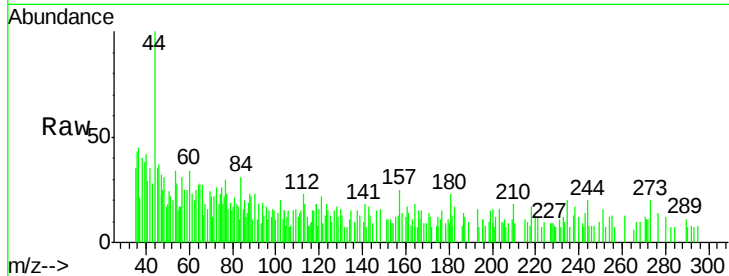




#49
1,4-Dioxane
Concen: 1.546 ug/l
RT: 7.71 min Scan# 1119
Delta R.T. -0.02 min
Lab File: VX014530.D
Acq: 10 Jan 2020 12:29

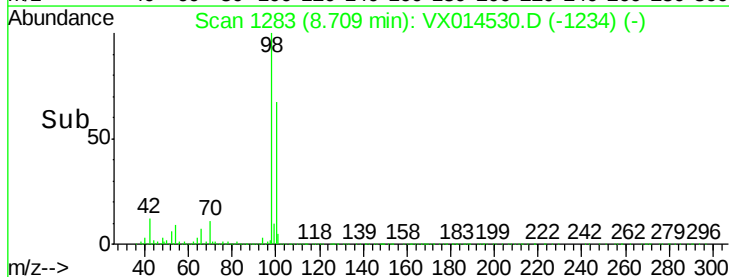
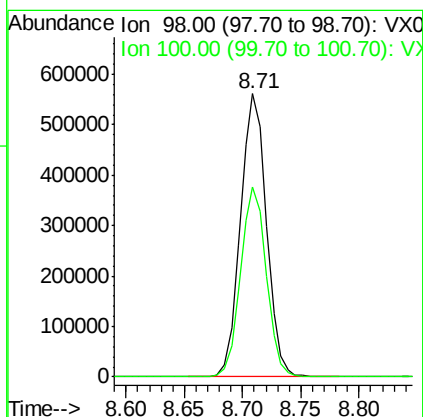
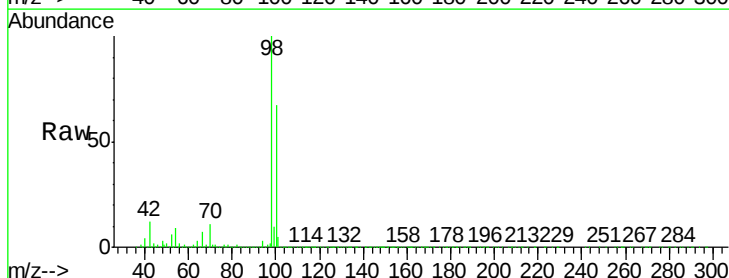
Instrument :
MSVOA_X
ClientSampleId :
WP022SB451_200108_23-25ME

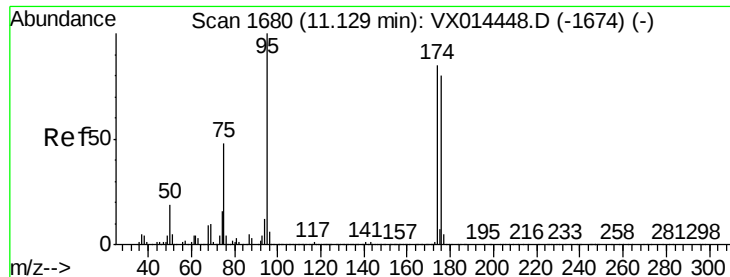
Tgt Ion: 88 Resp: 191
Ion Ratio Lower Upper
88 100
43 197.9 27.4 41.0#
58 142.4 57.1 85.7#



#50
Toluene-d8
Concen: 50.521 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX014530.D
Acq: 10 Jan 2020 12:29

Tgt Ion: 98 Resp: 875447
Ion Ratio Lower Upper
98 100
100 66.4 53.2 79.8





#62

4-Bromofluorobenzene

Concen: 50.450 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX014530.D

Acq: 10 Jan 2020 12:29

Instrument :

MSVOA_X

ClientSampleId :

WP022SB451_200108_23-25ME

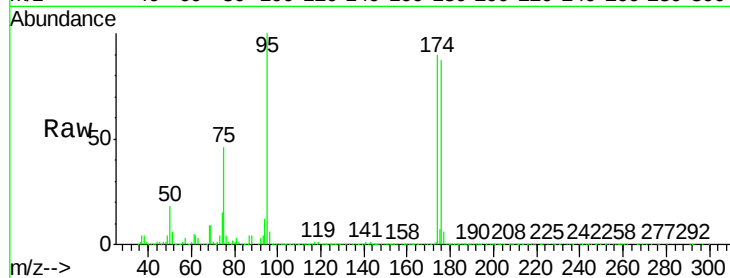
Tgt Ion: 95 Resp: 320935

Ion Ratio Lower Upper

95 100

174 90.1 0.0 180.8

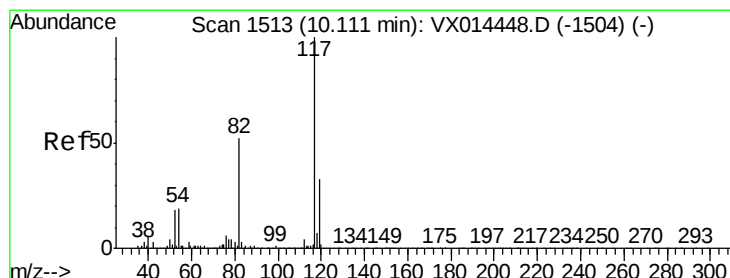
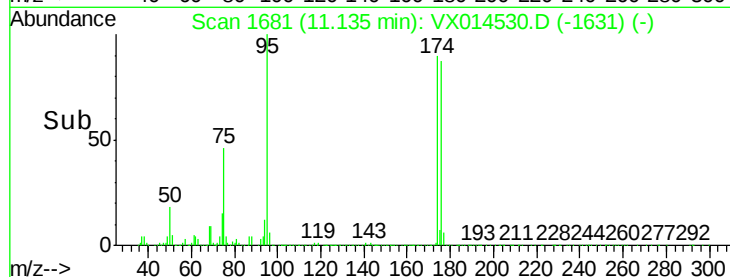
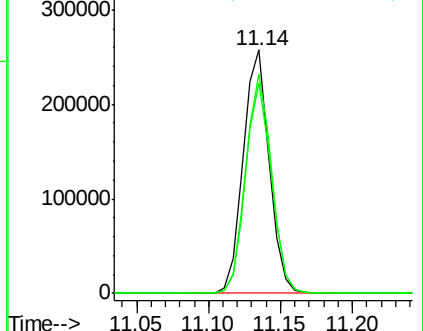
176 86.5 0.0 172.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX014530.D

Acq: 10 Jan 2020 12:29

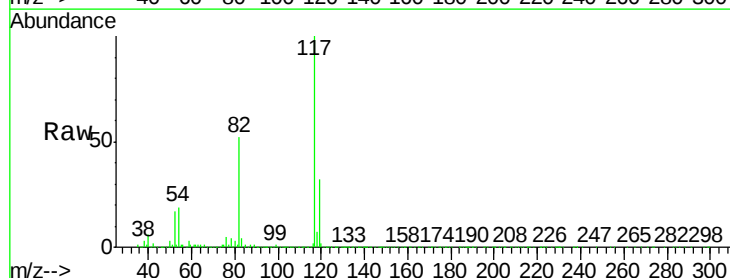
Tgt Ion: 117 Resp: 670174

Ion Ratio Lower Upper

117 100

82 52.2 41.8 62.6

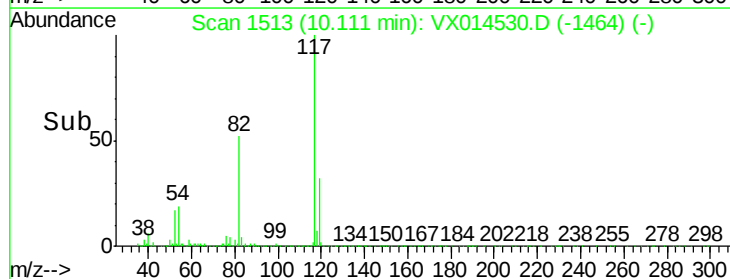
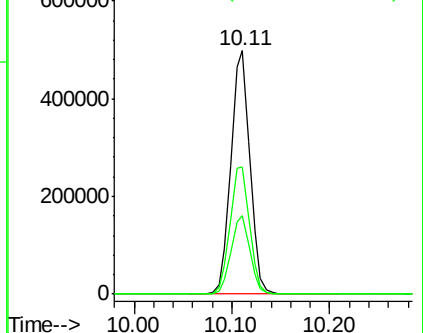
119 32.4 26.2 39.4

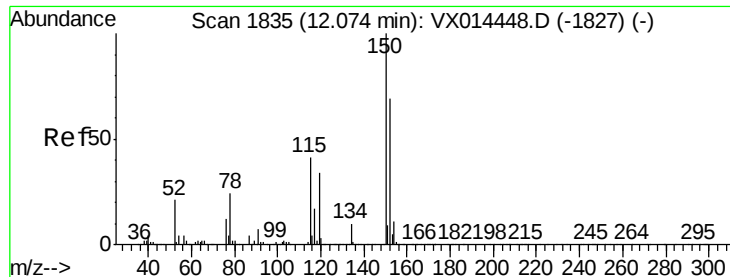


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX014530.D

Acq: 10 Jan 2020 12:29

Instrument :

MSVOA_X

ClientSampleId :

WP022SB451_200108_23-25ME

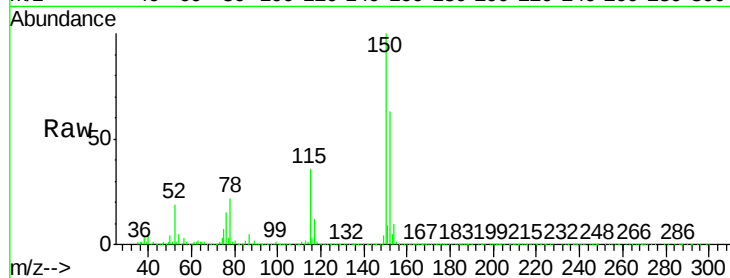
Tgt Ion:152 Resp: 332986

Ion Ratio Lower Upper

152 100

115 56.3 39.5 118.3

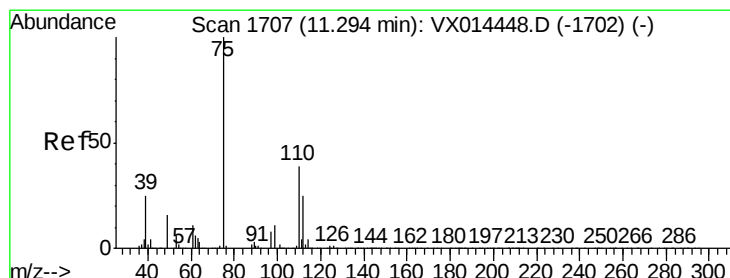
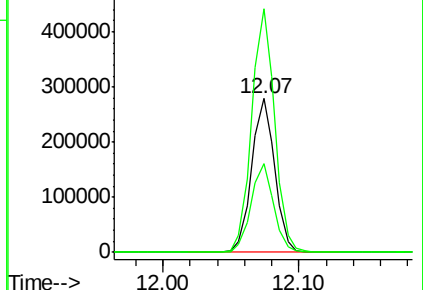
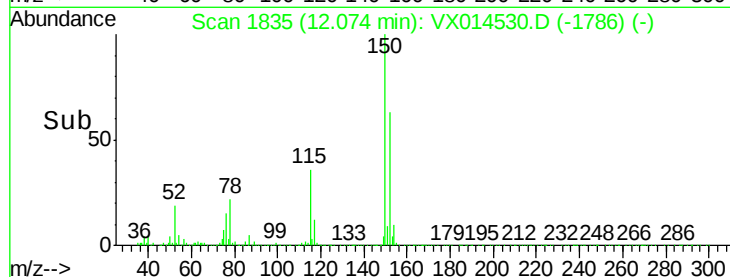
150 157.6 0.0 350.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.609 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX014530.D

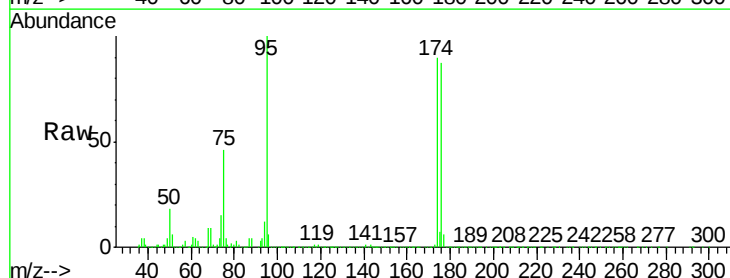
Acq: 10 Jan 2020 12:29

Tgt Ion: 75 Resp: 155766

Ion Ratio Lower Upper

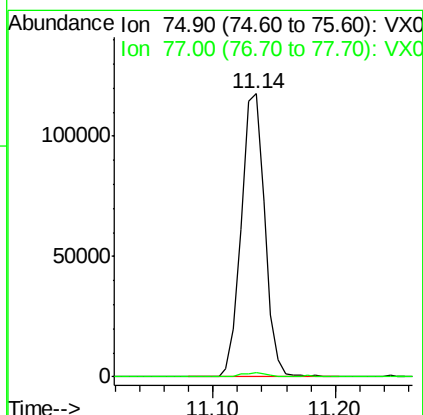
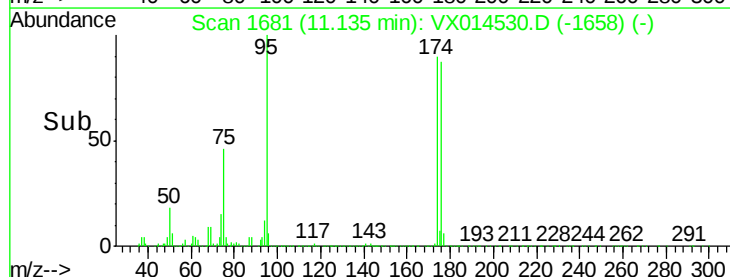
75 100

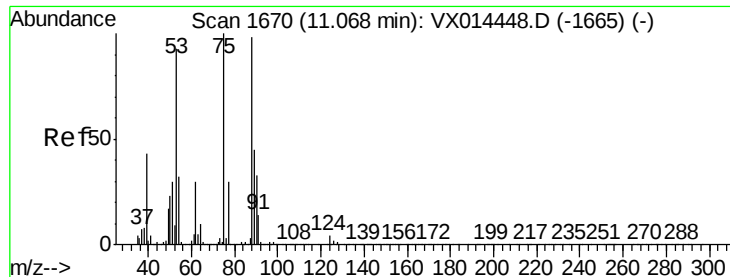
77 1.4 21.9 65.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 59.774 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX014530.D

Acq: 10 Jan 2020 12:29

Instrument :

MSVOA_X

ClientSampleId :

WP022SB451_200108_23-25ME

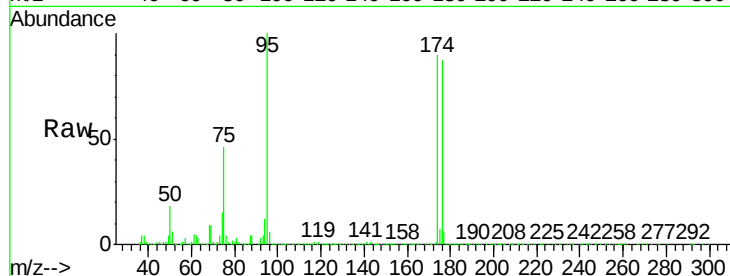
Tgt Ion: 75 Resp: 155766

Ion Ratio Lower Upper

75 100

53 0.2 74.8 112.2#

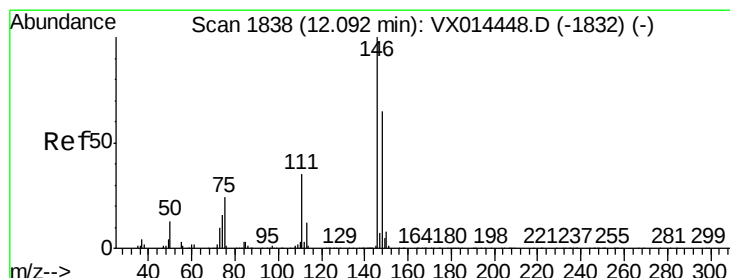
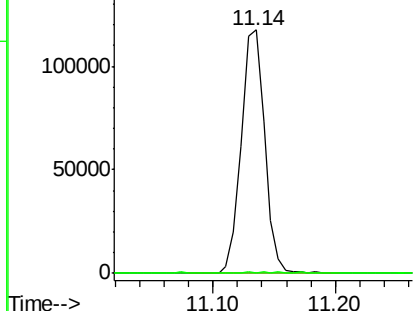
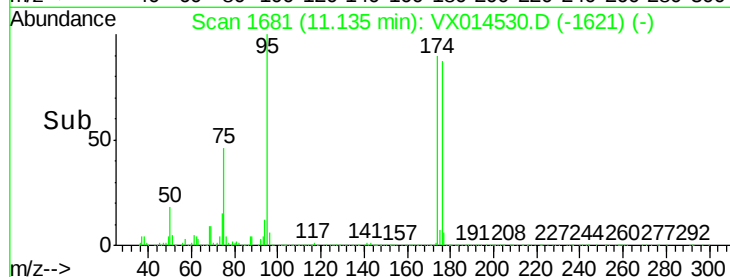
89 0.1 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.03 min Scan# 1827

Delta R.T. -0.07 min

Lab File: VX014530.D

Acq: 10 Jan 2020 12:29

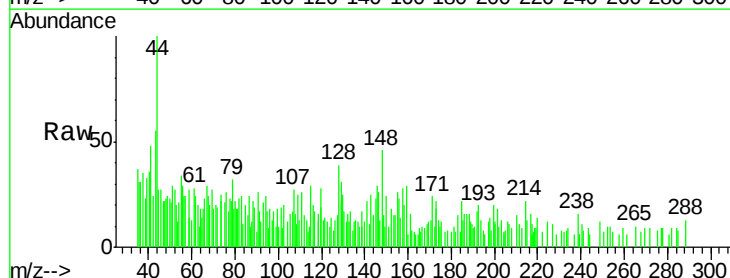
Tgt Ion: 146 Resp: 988

Ion Ratio Lower Upper

146 100

111 35.0 18.1 54.1

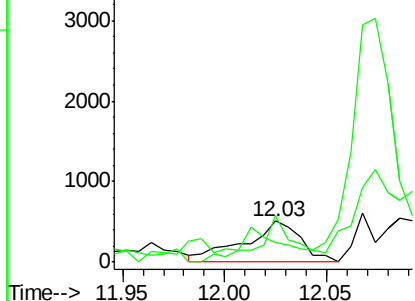
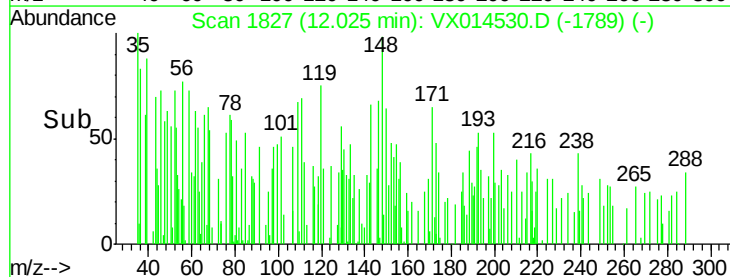
148 74.8 32.1 96.3

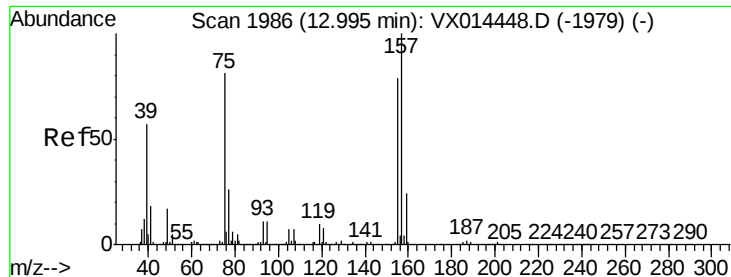


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.226 ug/l

RT: 13.10 min Scan# 2003

Delta R.T. 0.10 min

Lab File: VX014530.D

Acq: 10 Jan 2020 12:29

Instrument :

MSVOA_X

ClientSampleId :

WP022SB451_200108_23-25ME

Tgt Ion: 75 Resp: 381

Ion Ratio Lower Upper

75 100

155 100.5 48.7 146.1

157 160.9 62.0 185.9

