

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092019\
 Data File : VX012546.D
 Acq On : 20 Sep 2019 10:53
 Operator : JC/SP
 Sample : VX0920WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920WBL01

Quant Time: Sep 20 16:18:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	186858	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	295745	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	250457	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	102758	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	125596	46.90	ug/l	0.00
Spiked Amount			Recovery	=	93.80%	
35) Dibromofluoromethane	5.48	113	89186	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
50) Toluene-d8	8.71	98	342137	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
62) 4-Bromofluorobenzene	11.13	95	123676	44.96	ug/l	0.00
Spiked Amount			Recovery	=	89.92%	

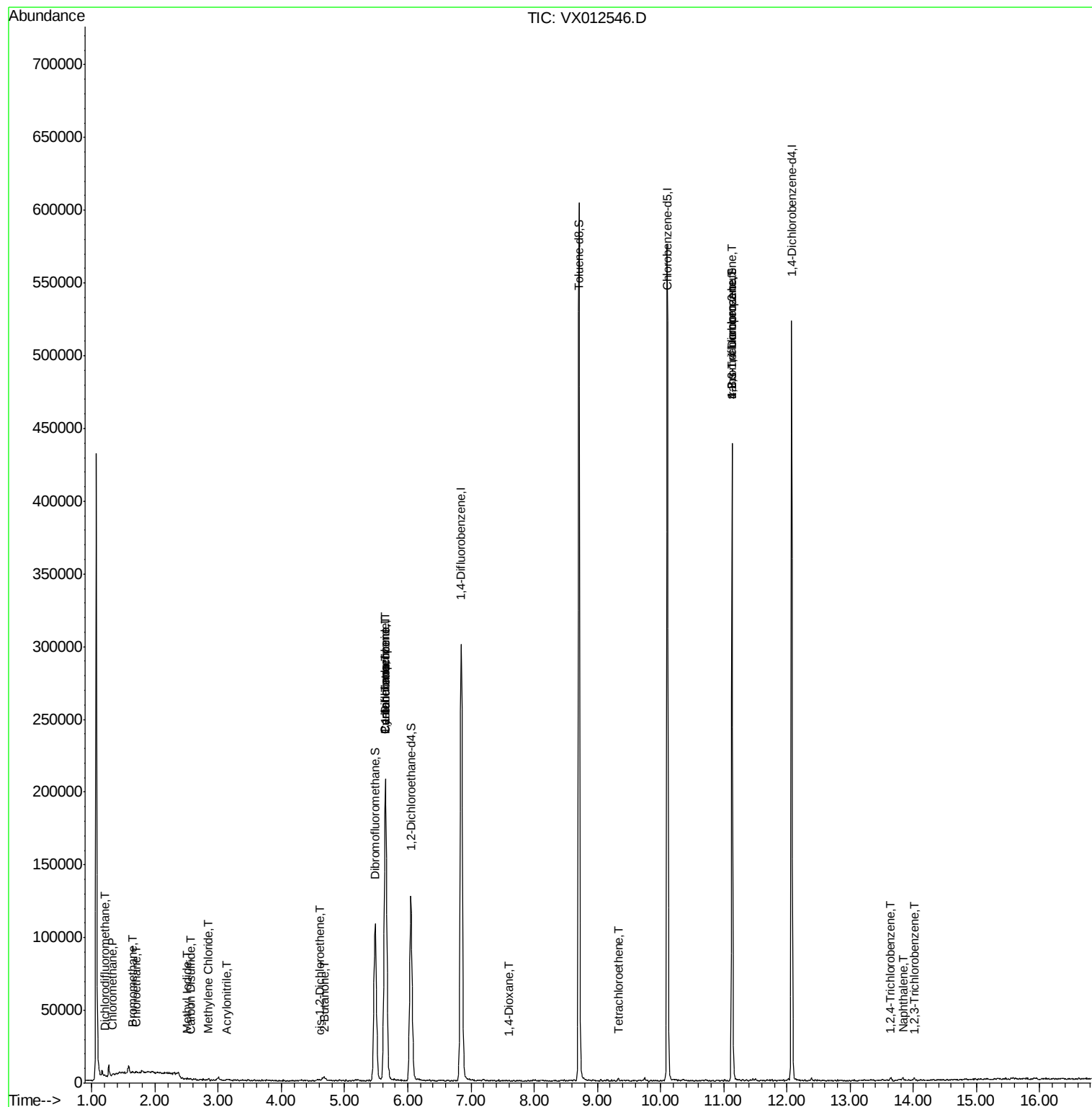
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	62	0.441	ug/l #	43
3) Chloromethane	1.33	50	382	0.372	ug/l #	43
5) Bromomethane	1.65	94	527	1.208	ug/l	97
6) Chloroethane	1.71	64	361	0.415	ug/l #	45
10) Methyl Iodide	2.50	142	535	4.828	ug/l #	77
11) Tert butyl alcohol	3.01	59	1208	Below Cal	#	72
13) Acrolein	2.27	56	377	Below Cal	#	78
15) Acrylonitrile	3.14	53	334	0.288	ug/l #	79
16) Acetone	2.43	43	951	Below Cal	#	75
17) Carbon Disulfide	2.57	76	567	2.135	ug/l #	26
20) Methylene Chloride	2.84	84	435	0.268	ug/l #	67
25) 2-Butanone	4.67	43	560	0.301	ug/l #	51
27) cis-1,2-Dichloroethene	4.60	96	397	0.218	ug/l	89
31) Cyclohexane	5.64	56	4604	2.489	ug/l #	29
36) 1,1-Dichloropropene	5.64	75	16006	8.905	ug/l #	53
38) Carbon Tetrachloride	5.65	117	20265	9.065	ug/l #	16
49) 1,4-Dioxane	7.61	88	44	0.774	ug/l #	1
64) Tetrachloroethene	9.33	164	230	0.200	ug/l	86
76) 1,2,3-Trichloropropane	11.13	75	63852	27.051	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	63852	72.763	ug/l #	8
93) 1,2,4-Trichlorobenzene	13.65	180	434	0.218	ug/l	72
95) Naphthalene	13.84	128	1571	0.222	ug/l #	86
96) 1,2,3-Trichlorobenzene	14.03	180	432	0.213	ug/l	91

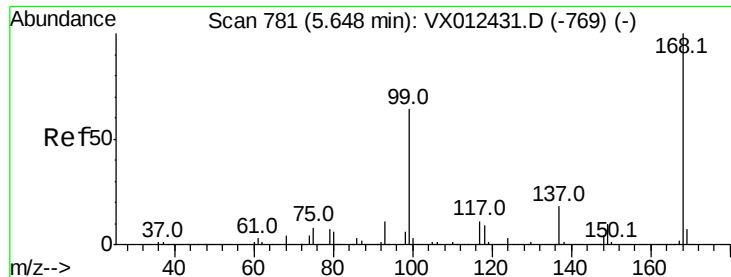
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092019\
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Acq On : 20 Sep 2019 10:53
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBL01

Quant Time: Sep 20 16:18:41 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012546.D

Acq: 20 Sep 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

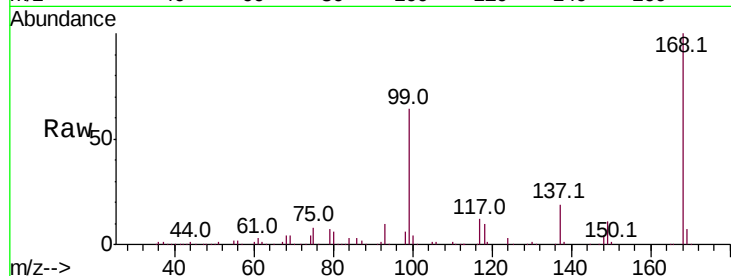
VX0920WBL01

Tot Ion:168 Resp: 186858

Ion Ratio Lower Upper

168 100

99 64.2 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

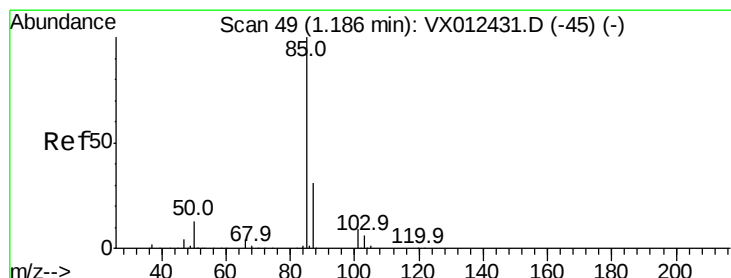
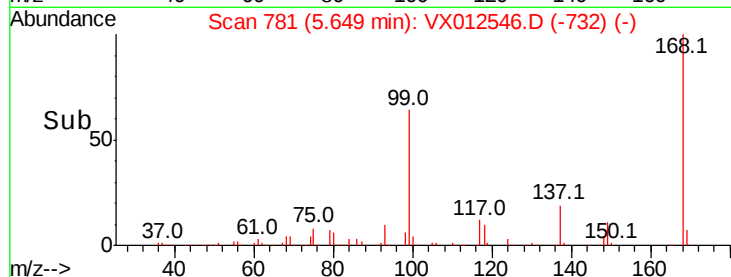
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.441 ug/l

RT: 1.20 min Scan# 51

Delta R.T. 0.01 min

Lab File: VX012546.D

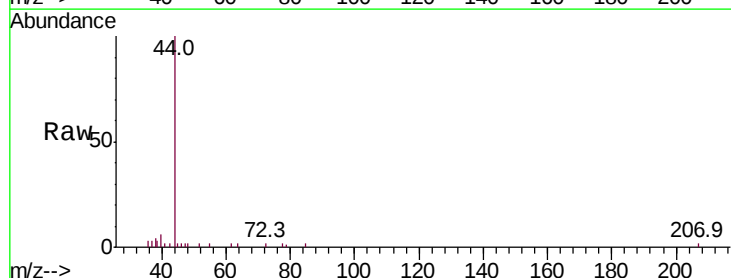
Acq: 20 Sep 2019 10:53

Tgt Ion: 85 Resp: 62

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.8#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60

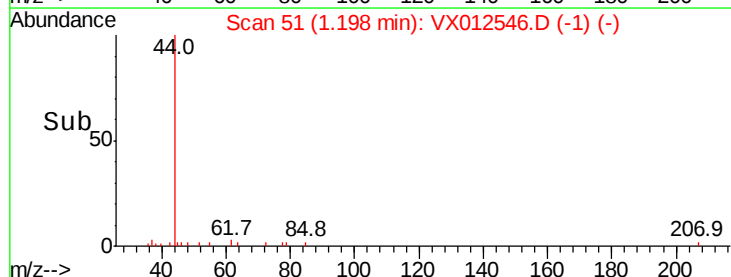
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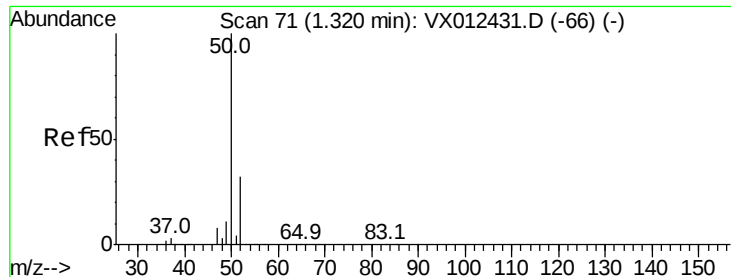
20

0

Time-->

1.18 1.20 1.22





#3

Chloromethane

Concen: 0.372 ug/l

RT: 1.33 min Scan# 72

Delta R.T. 0.01 min

Lab File: VX012546.D

Acq: 20 Sep 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

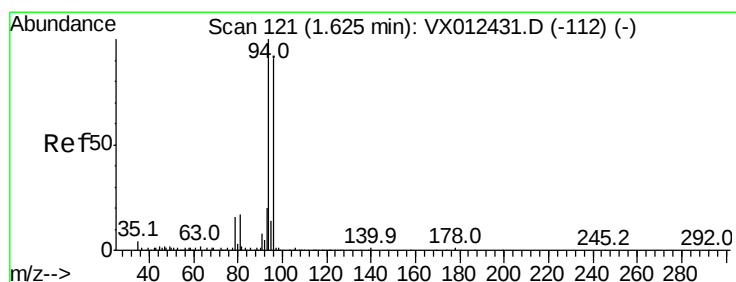
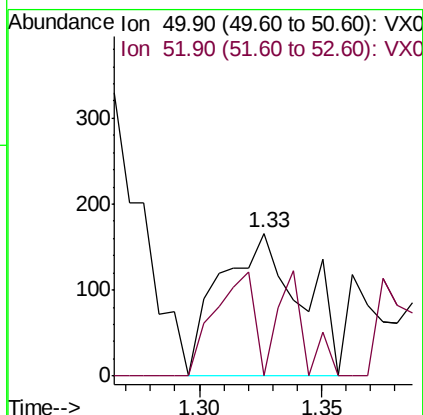
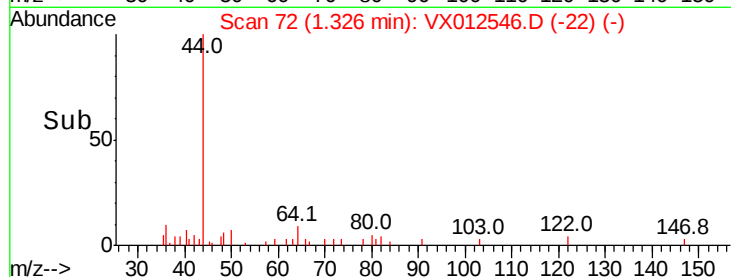
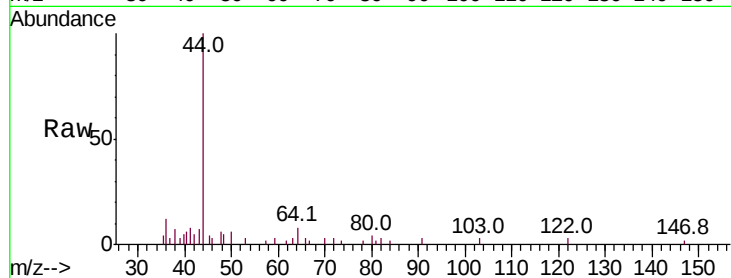
VX0920WBL01

Tot Ion: 50 Resp: 382

Ion Ratio Lower Upper

50 100

52 0.0 25.7 38.5#



#5

Bromomethane

Concen: 1.208 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX012546.D

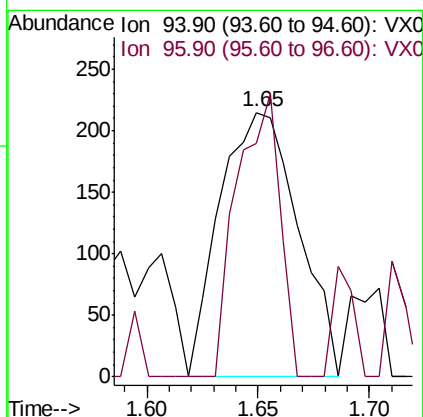
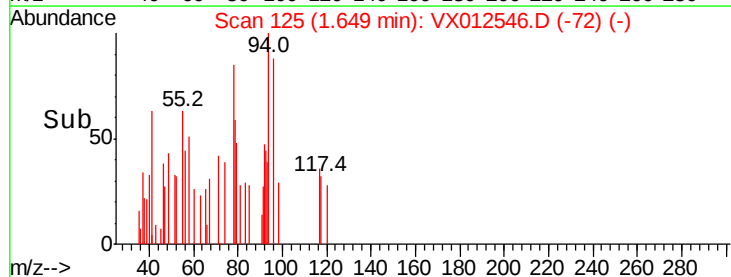
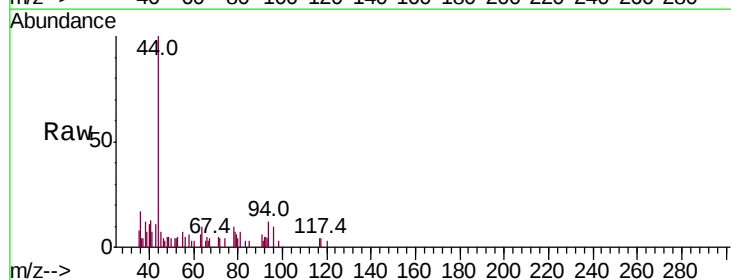
Acq: 20 Sep 2019 10:53

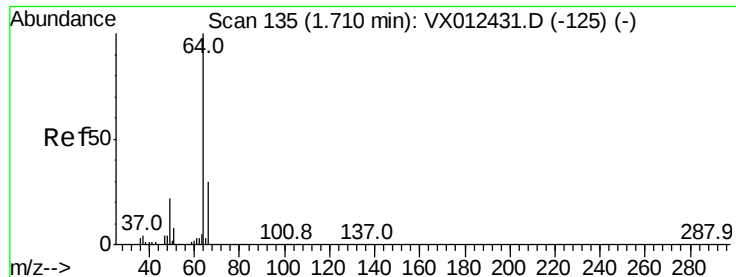
Tgt Ion: 94 Resp: 527

Ion Ratio Lower Upper

94 100

96 88.4 72.8 109.2





#6

Chloroethane

Concen: 0.415 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX012546.D

Acq: 20 Sep 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

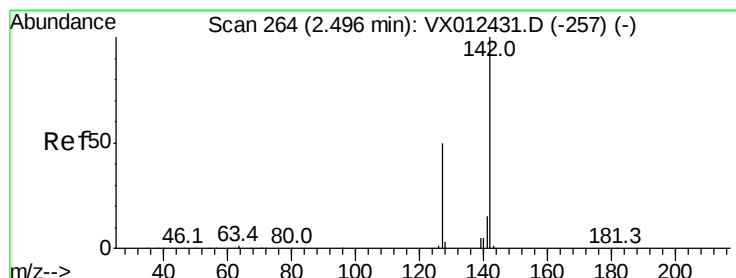
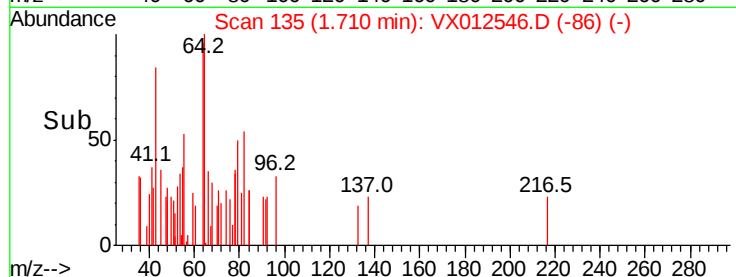
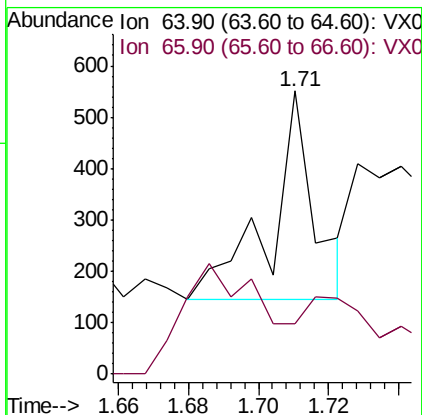
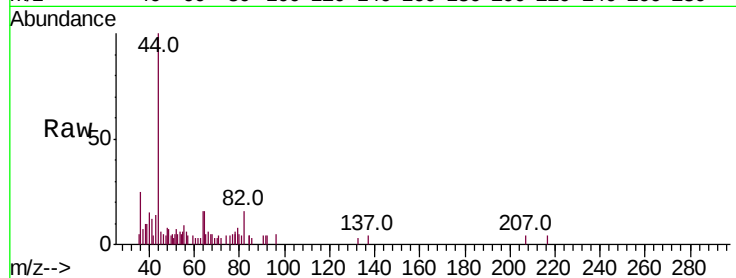
VX0920WBL01

Tot Ion: 64 Resp: 361

Ion Ratio Lower Upper

64 100

66 0.0 24.0 36.0#



#10

Methyl Iodide

Concen: 4.828 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012546.D

Acq: 20 Sep 2019 10:53

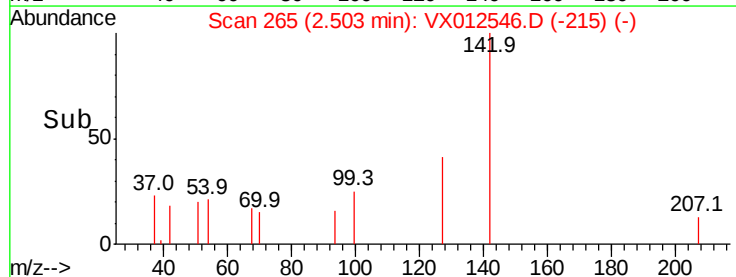
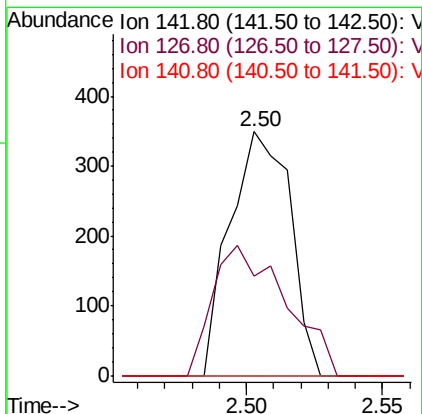
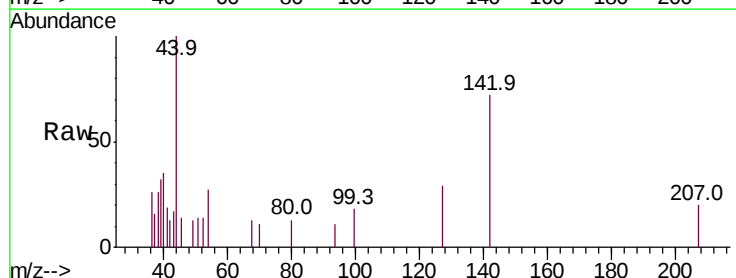
Tgt Ion: 142 Resp: 535

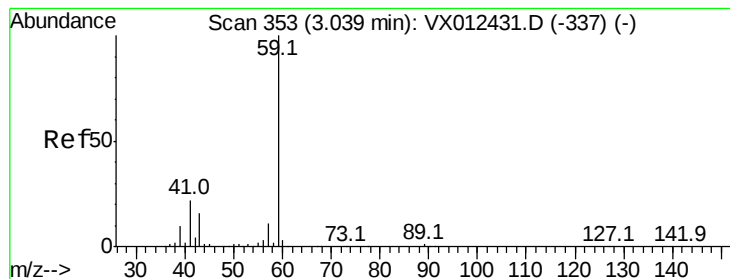
Ion Ratio Lower Upper

142 100

127 64.7 40.8 61.2#

141 0.0 12.1 18.1#



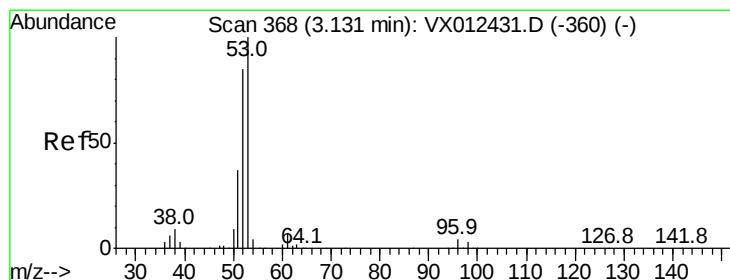
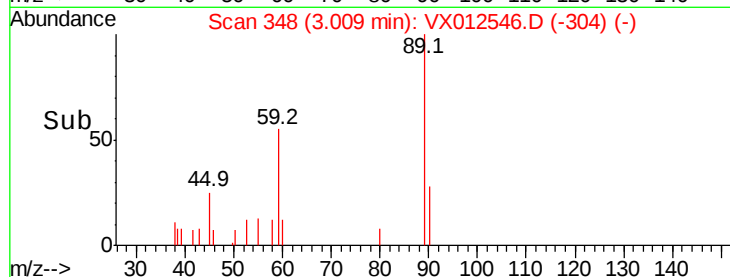
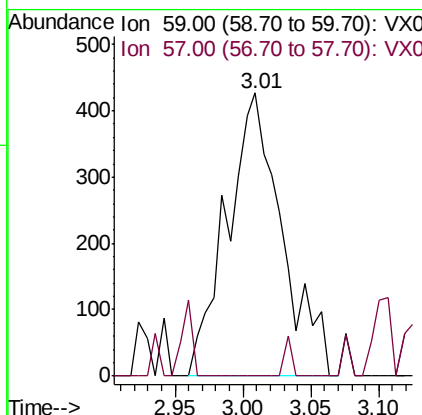
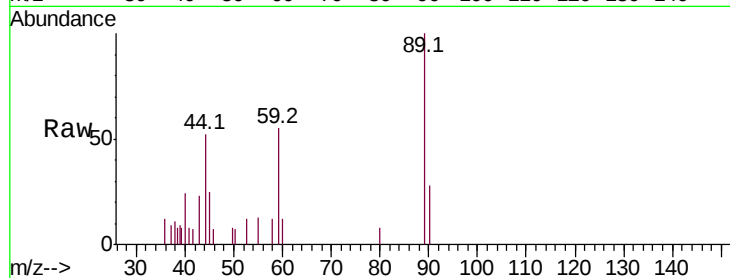


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 3.01 min Scan# 348
 Delta R.T. -0.03 min
 Lab File: VX012546.D
 Acq: 20 Sep 2019 10:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920WBL01

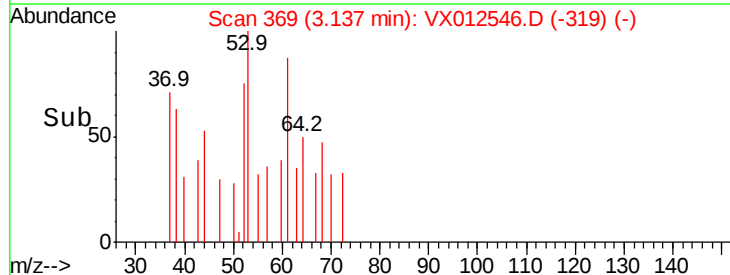
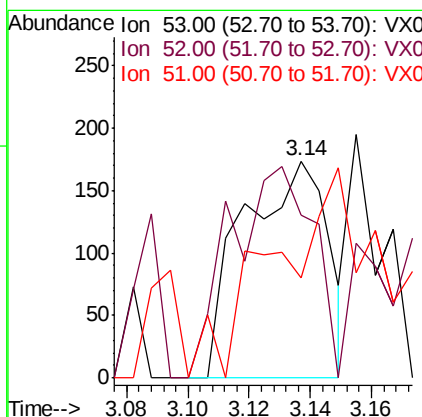
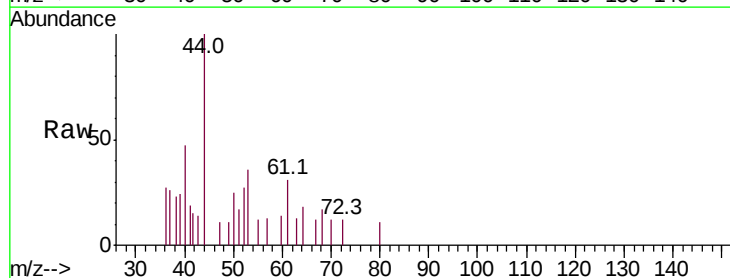
Tot Ion: 59 Resp: 1208
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

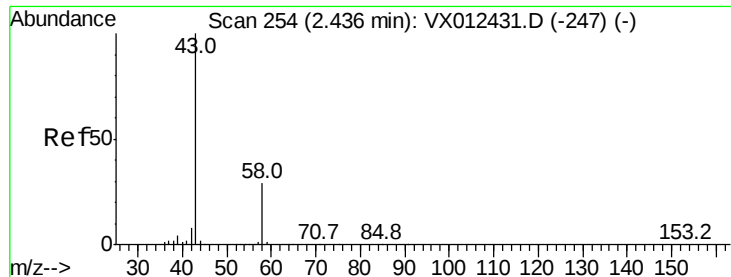


#15

Acrylonitrile
 Concen: 0.288 ug/l
 RT: 3.14 min Scan# 369
 Delta R.T. 0.01 min
 Lab File: VX012546.D
 Acq: 20 Sep 2019 10:53

Tgt Ion: 53 Resp: 334
 Ion Ratio Lower Upper
 53 100
 52 94.9 67.0 100.4
 51 61.4 29.6 44.4#





#16

Acetone

Concen: Below Cal

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012546.D

Acq: 20 Sep 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

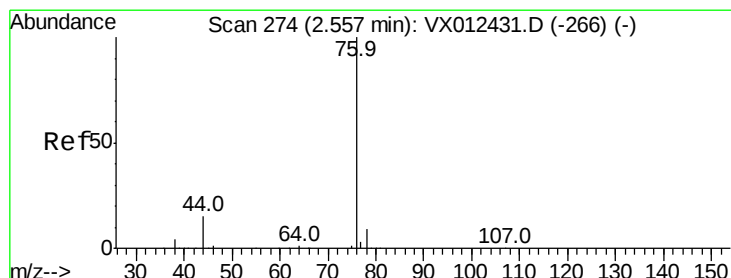
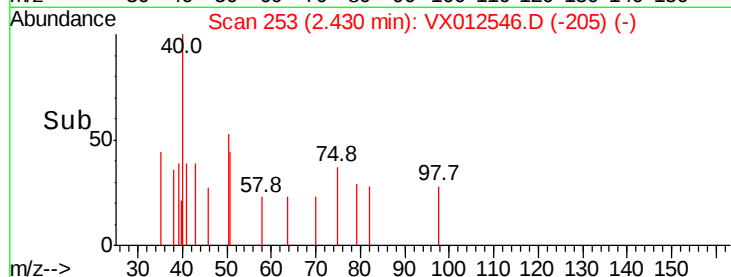
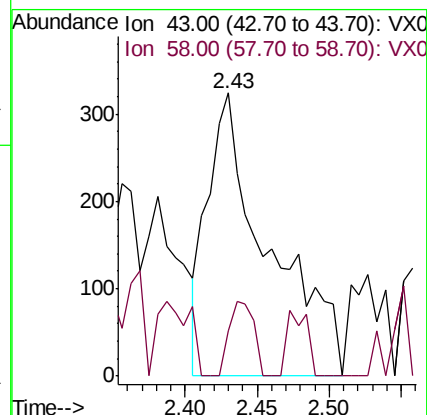
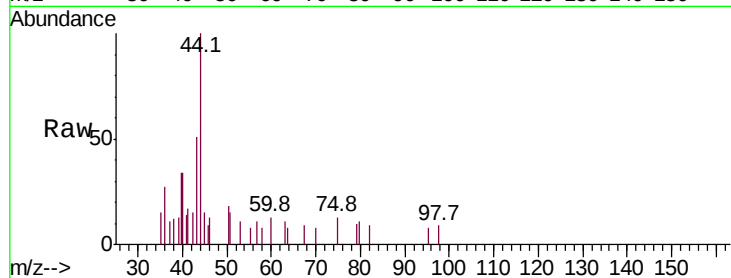
VX0920WBL01

Tot Ion: 43 Resp: 951

Ion Ratio Lower Upper

43 100

58 15.7 23.3 34.9#



#17

Carbon Disulfide

Concen: 2.135 ug/l

RT: 2.57 min Scan# 276

Delta R.T. 0.01 min

Lab File: VX012546.D

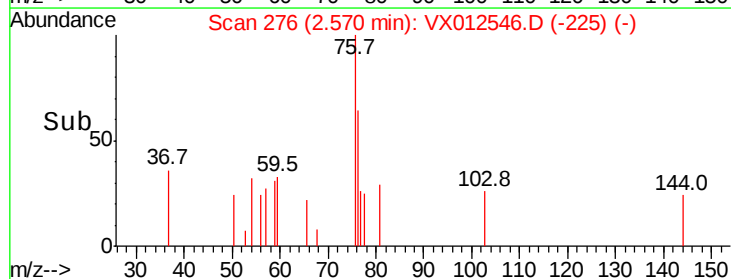
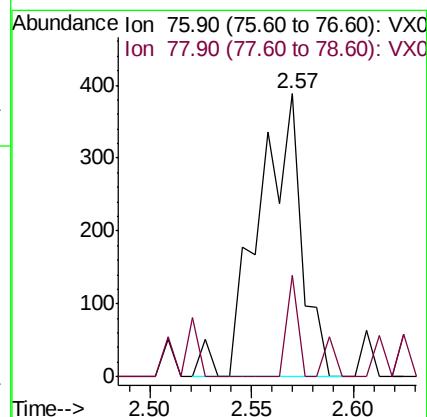
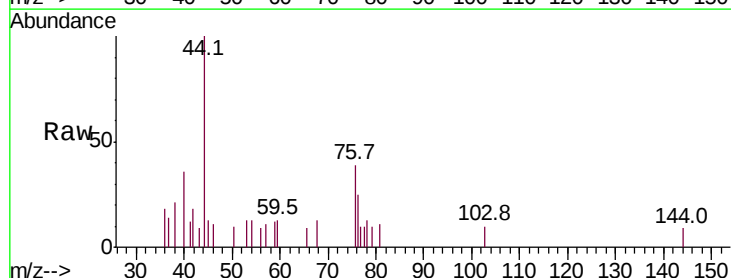
Acq: 20 Sep 2019 10:53

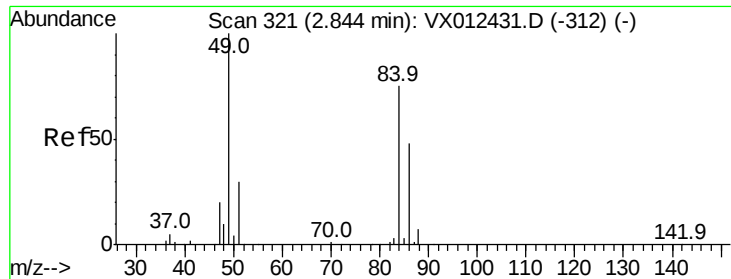
Tgt Ion: 76 Resp: 567

Ion Ratio Lower Upper

76 100

78 36.1 7.3 10.9#

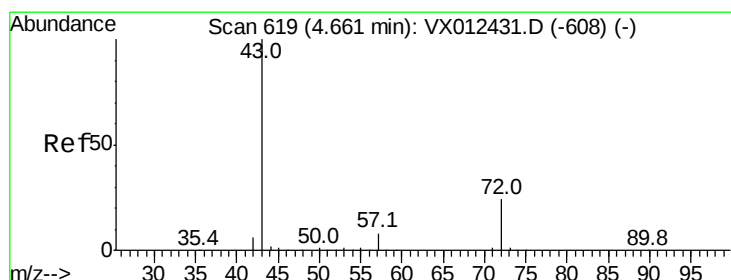
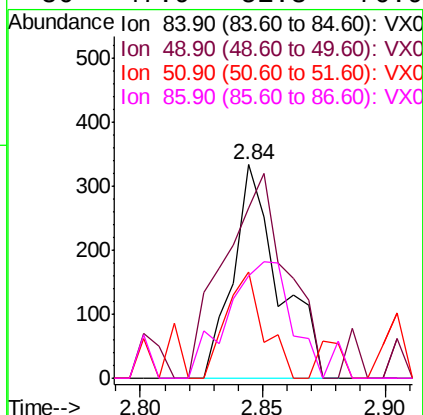
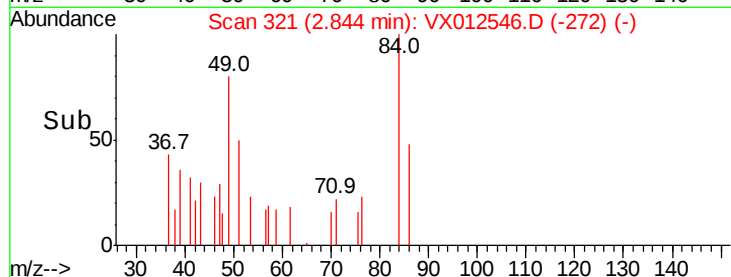
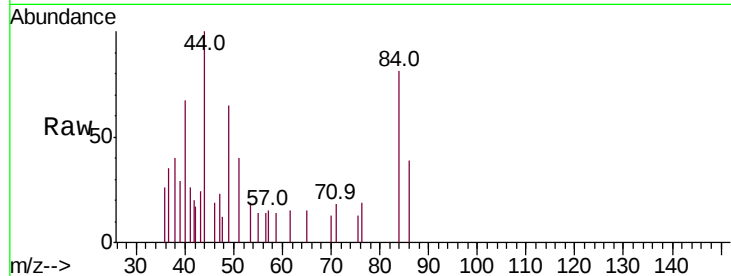




#20
Methvlene Chloride
Concen: 0.268 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012546.D
Acq: 20 Sep 2019 10:53

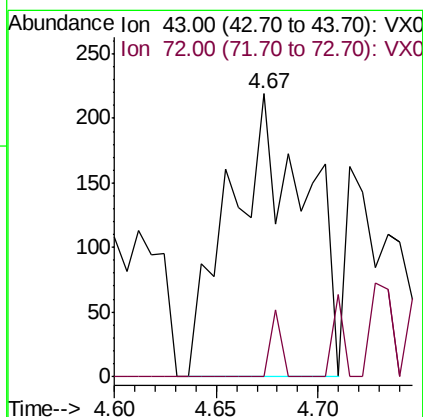
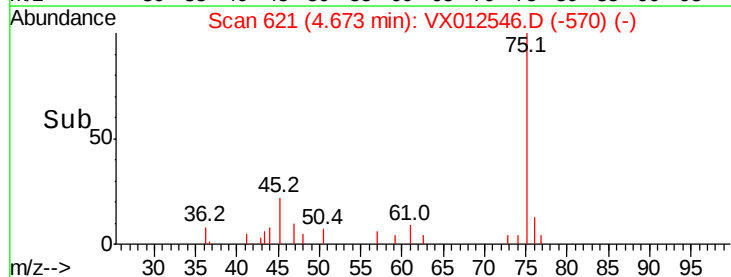
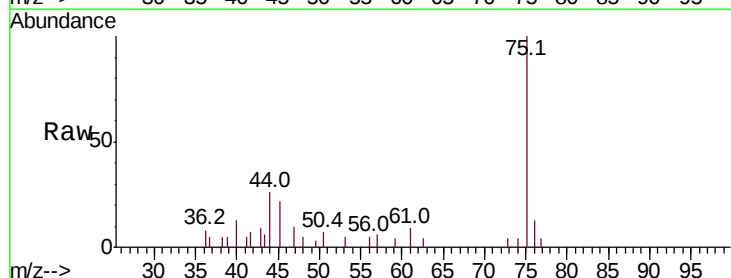
Instrument :
MSVOA_X
ClientSampleId :
VX0920WBL01

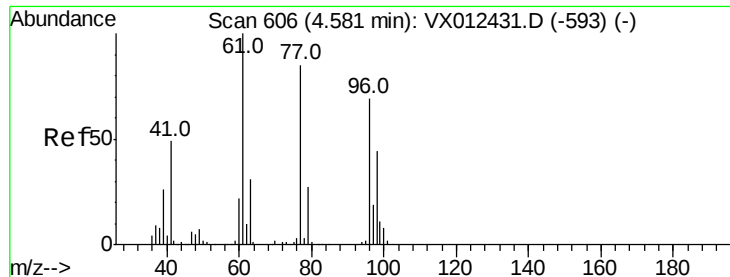
Tot Ion: 84 Resp: 435
Ion Ratio Lower Upper
84 100
49 79.9 106.8 160.2#
51 49.7 32.3 48.5#
86 47.9 51.3 76.9#



#25
2-Butanone
Concen: 0.301 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.01 min
Lab File: VX012546.D
Acq: 20 Sep 2019 10:53

Tgt Ion: 43 Resp: 560
Ion Ratio Lower Upper
43 100
72 0.0 19.2 28.8#



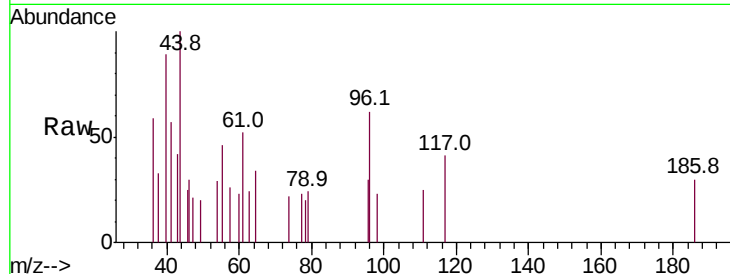


#27

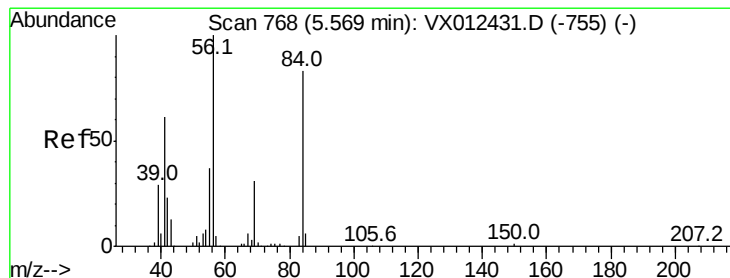
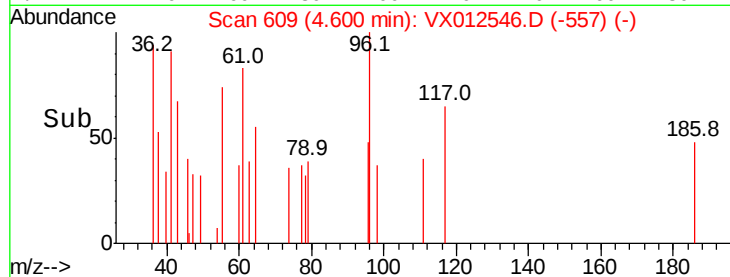
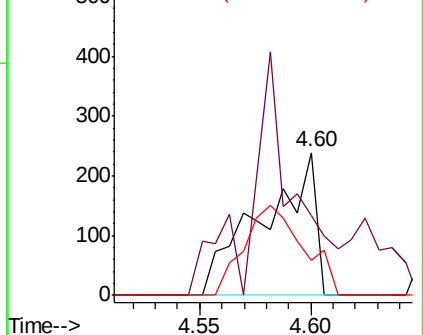
cis-1,2-Dichloroethene
 Concen: 0.218 ug/l
 RT: 4.60 min Scan# 609
 Delta R.T. 0.02 min
 Lab File: VX012546.D
 Acq: 20 Sep 2019 10:53

Instrument :
 MSVOA_X
 ClientSampled :
 VX0920WBL01

Tot Ion: 96 Resp: 397
 Ion Ratio Lower Upper
 96 100
 61 142.3 0.0 319.4
 98 70.5 0.0 130.6



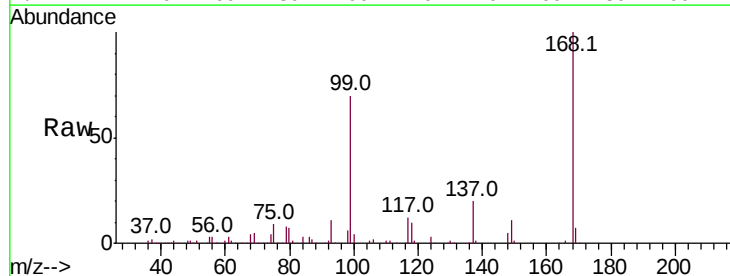
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



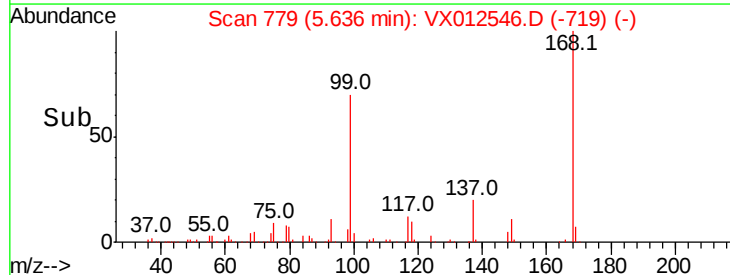
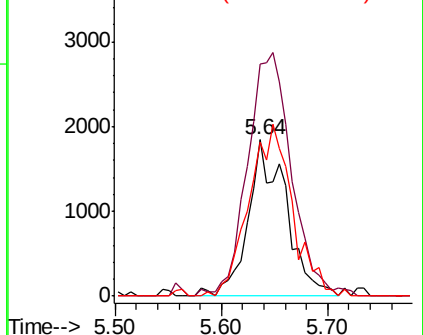
#31

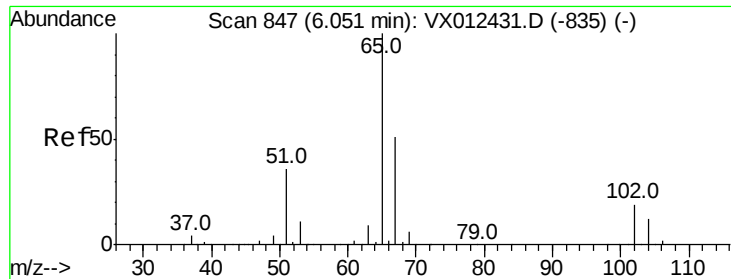
Cyclohexane
 Concen: 2.489 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. 0.07 min
 Lab File: VX012546.D
 Acq: 20 Sep 2019 10:53

Tgt Ion: 56 Resp: 4604
 Ion Ratio Lower Upper
 56 100
 69 148.6 25.0 37.6#
 84 98.4 66.4 99.6



Abundance Ion 56.00 (55.70 to 56.70): VX0
 Ion 69.00 (68.70 to 69.70): VX0
 Ion 84.00 (83.70 to 84.70): VX0

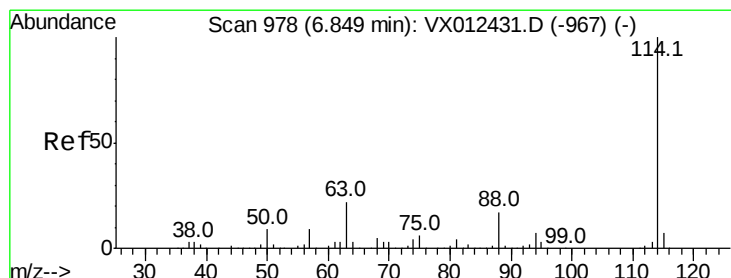
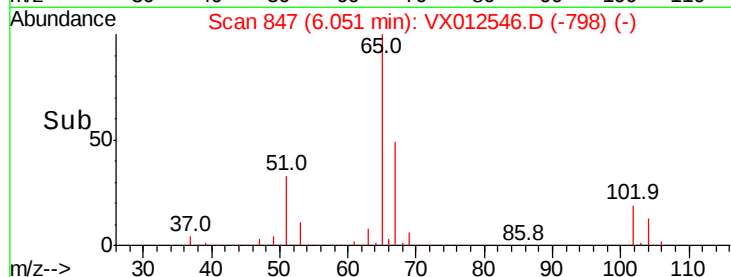
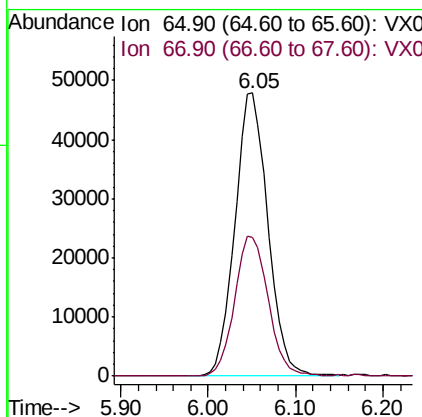
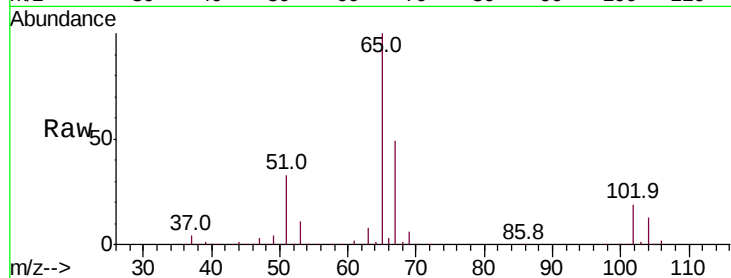




#33
 1,2-Dichloroethane-d4
 Concen: 46.898 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012546.D
 Acq: 20 Sep 2019 10:53

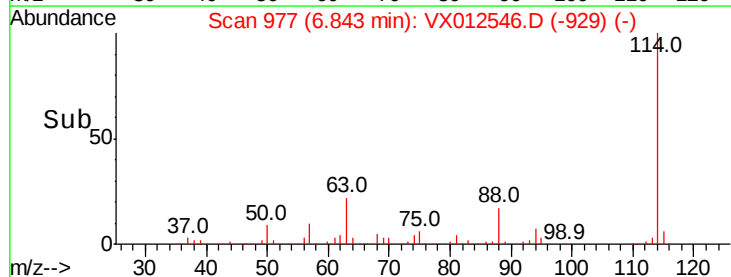
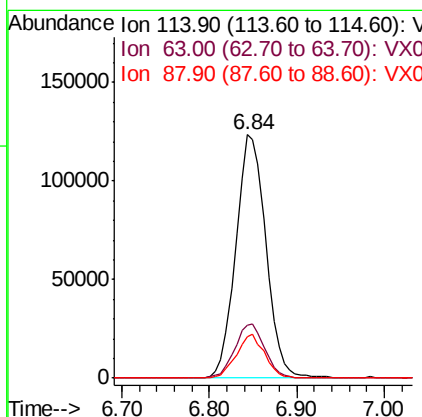
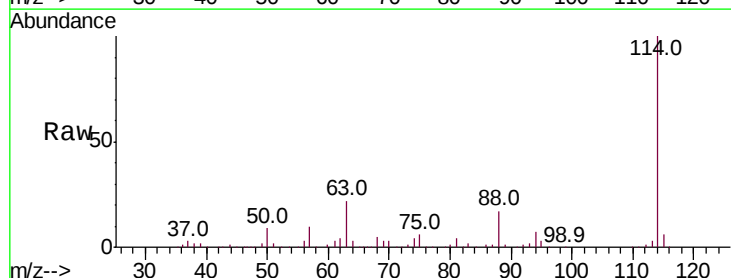
Instrument :
 MSVOA_X
 ClientSampleID :
 VX0920WBL01

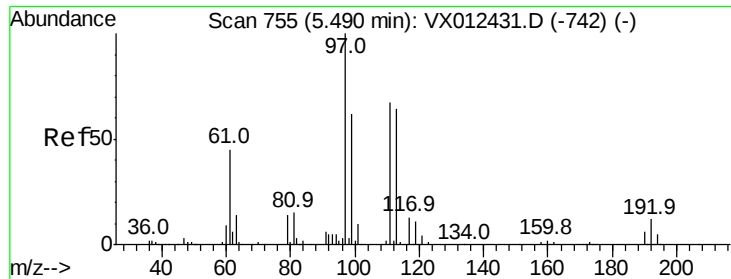
Tot Ion: 65 Resp: 125596
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX012546.D
 Acq: 20 Sep 2019 10:53

Tgt Ion: 114 Resp: 295745
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.2
 88 17.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.824 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012546.D

Acq: 20 Sep 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VX0920WBL01

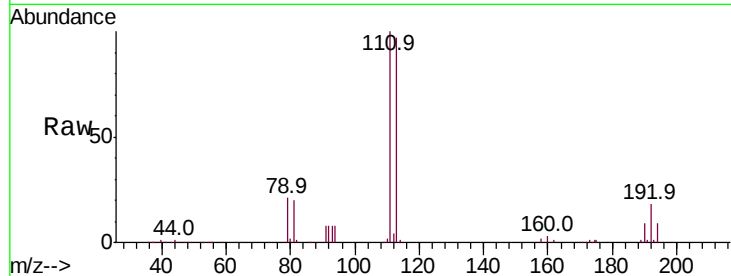
Tot Ion:113 Resp: 89186

Ion Ratio Lower Upper

113 100

111 103.4 83.4 125.2

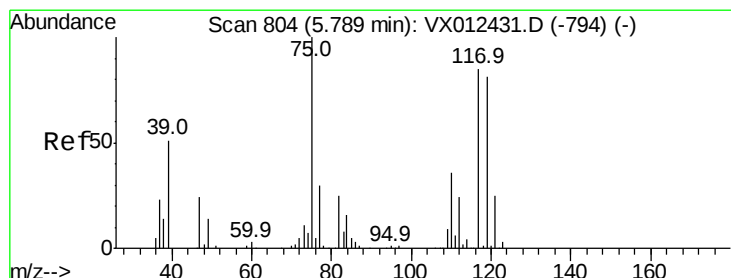
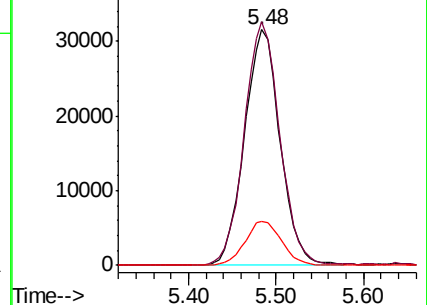
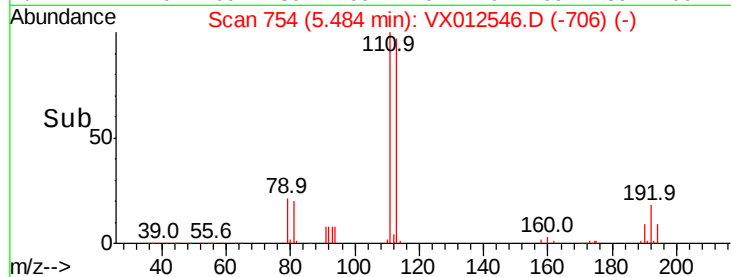
192 19.4 14.4 21.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 8.905 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012546.D

Acq: 20 Sep 2019 10:53

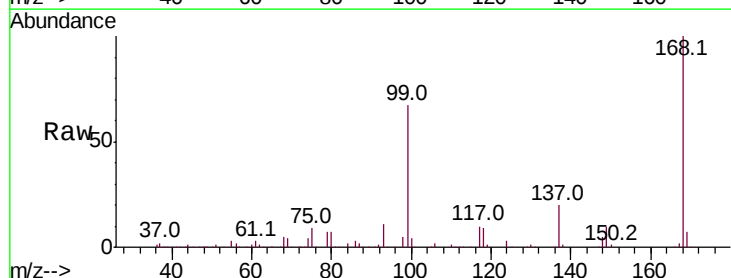
Tgt Ion: 75 Resp: 16006

Ion Ratio Lower Upper

75 100

110 11.0 16.7 50.0#

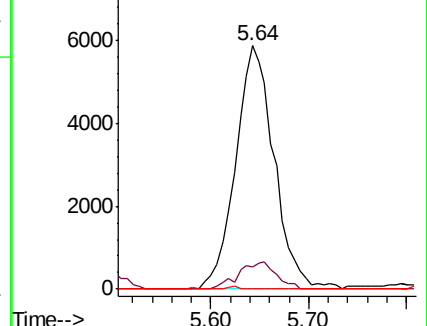
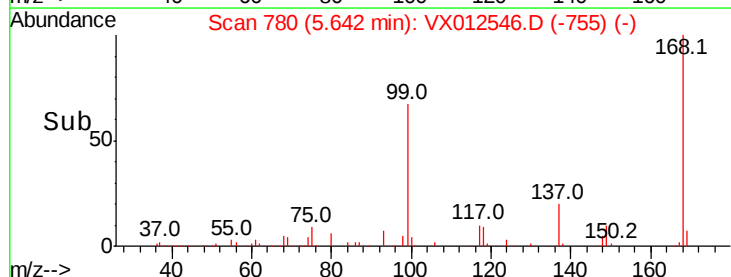
77 0.0 24.2 36.2#

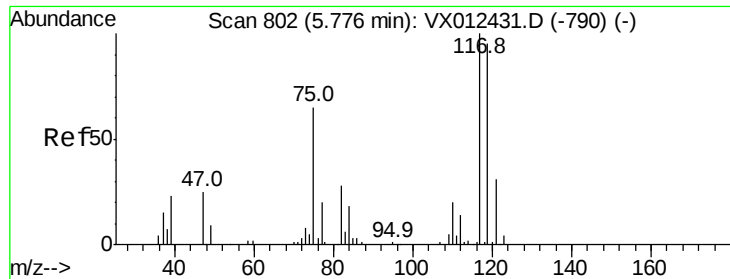


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 9.065 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX012546.D

Acq: 20 Sep 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VX0920WBL01

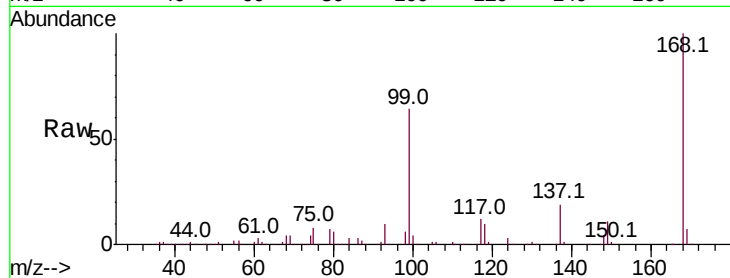
Tot Ion:117 Resp: 20265

Ion Ratio Lower Upper

117 100

119 4.8 75.7 113.5#

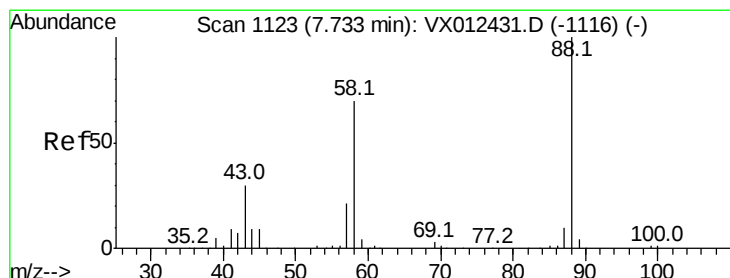
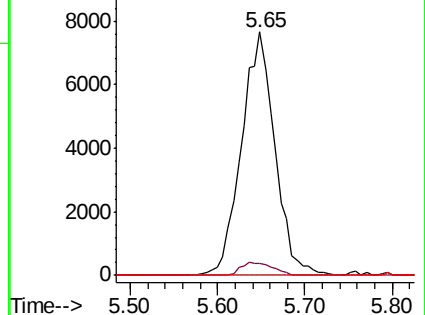
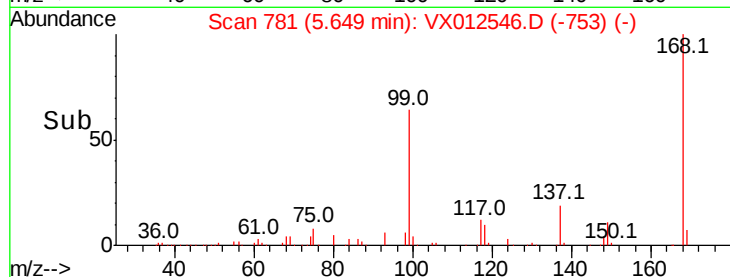
121 0.0 24.2 36.4#



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



#49

1,4-Dioxane

Concen: 0.774 ug/l

RT: 7.61 min Scan# 1102

Delta R.T. -0.13 min

Lab File: VX012546.D

Acq: 20 Sep 2019 10:53

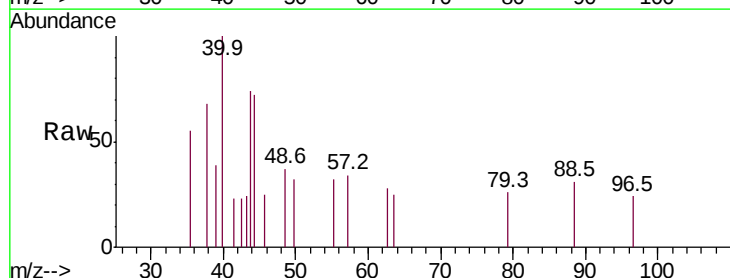
Tgt Ion: 88 Resp: 44

Ion Ratio Lower Upper

88 100

43 490.9 29.4 44.0#

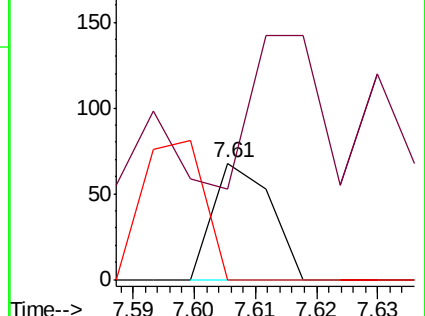
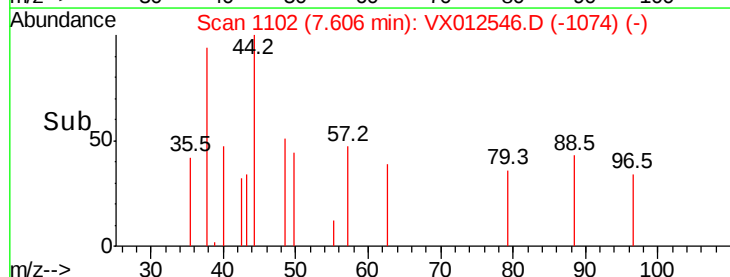
58 179.5 57.5 86.3#

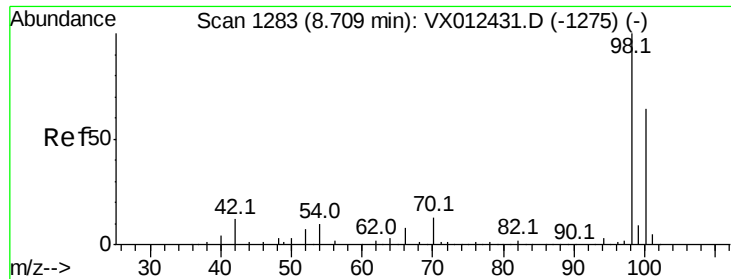


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

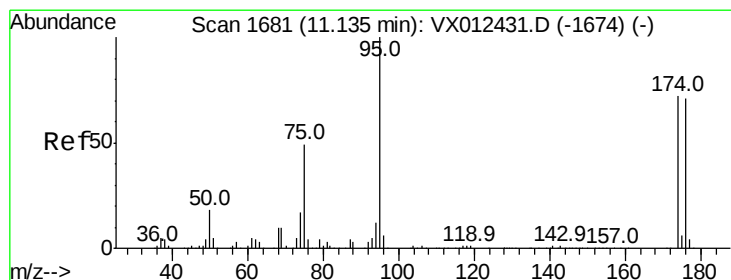
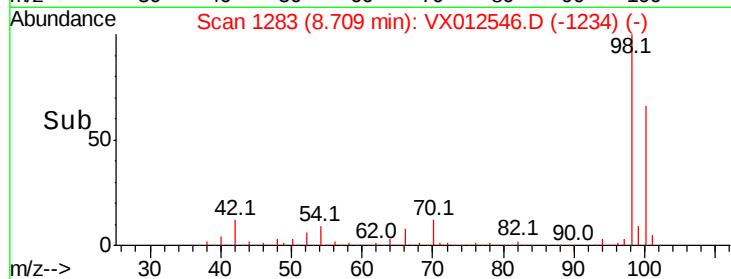
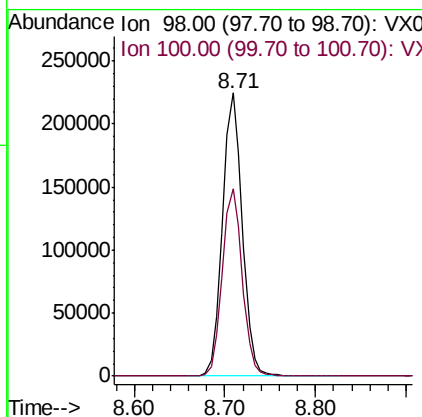
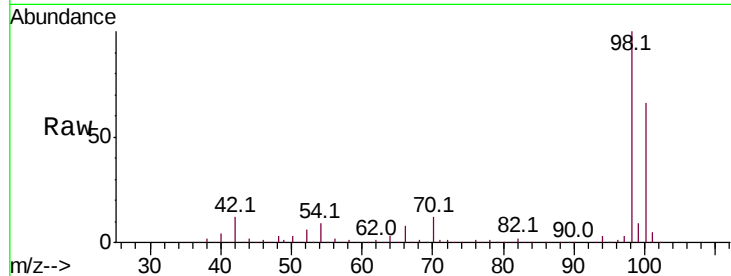




#50
Toluene-d8
Concen: 51.638 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012546.D
Acq: 20 Sep 2019 10:53

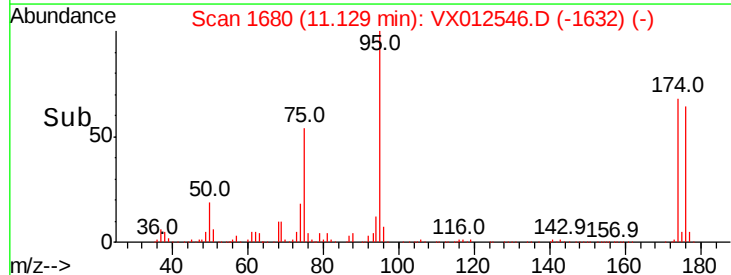
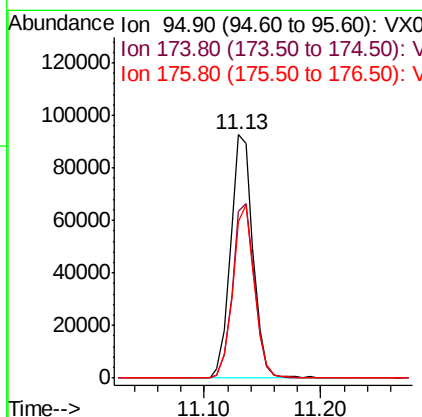
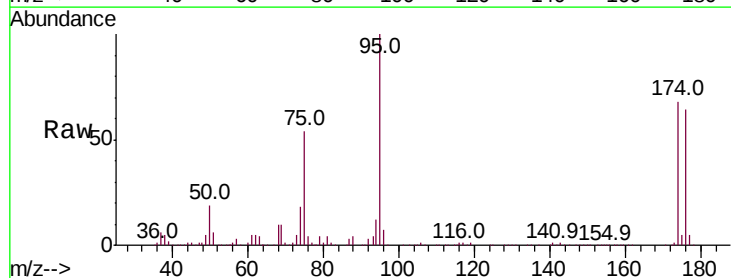
Instrument :
MSVOA_X
ClientSampleId :
VX0920WBL01

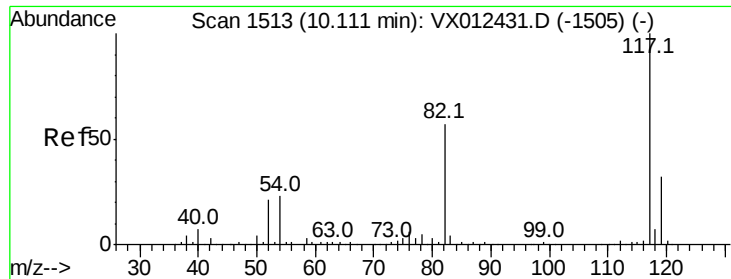
Tot Ion: 98 Resp: 342137
Ion Ratio Lower Upper
98 100
100 66.9 53.4 80.2



#62
4-Bromofluorobenzene
Concen: 44.956 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX012546.D
Acq: 20 Sep 2019 10:53

Tgt Ion: 95 Resp: 123676
Ion Ratio Lower Upper
95 100
174 71.0 0.0 140.0
176 68.6 0.0 135.4

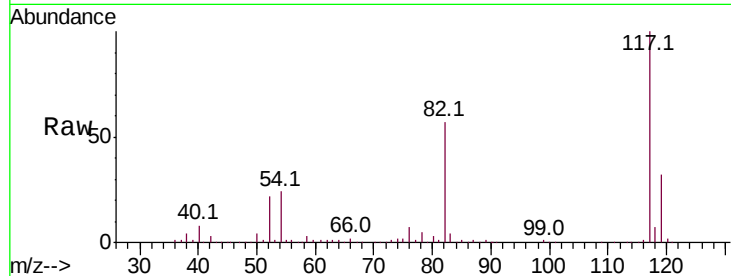




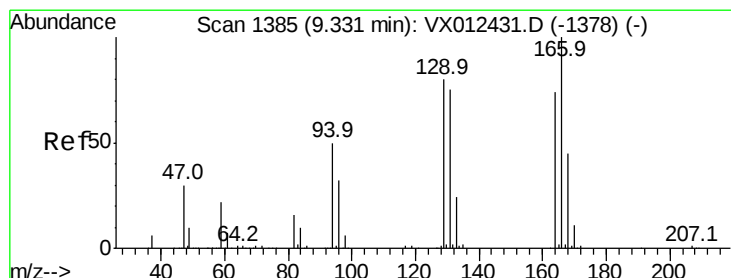
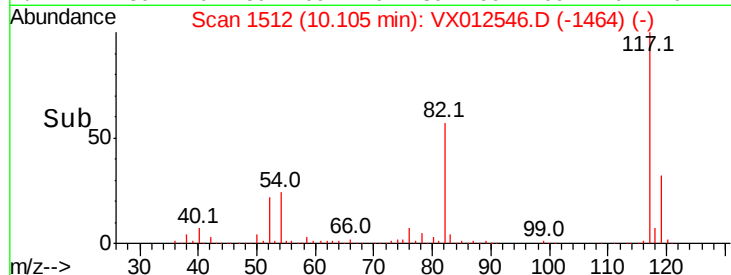
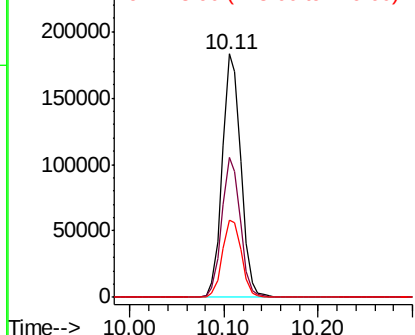
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX012546.D
Acq: 20 Sep 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0920WBL01

Tot Ion:117 Resp: 250457
Ion Ratio Lower Upper
117 100
82 57.2 45.9 68.9
119 31.7 25.3 37.9

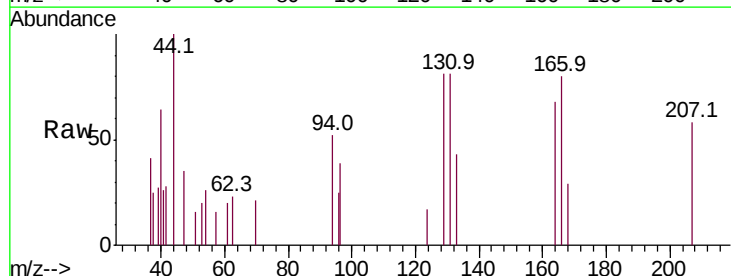


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

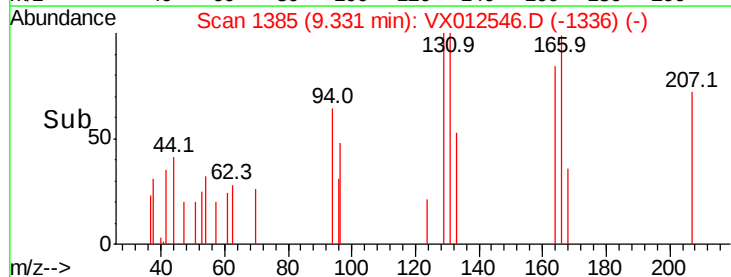
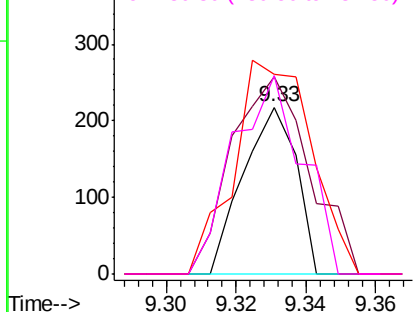


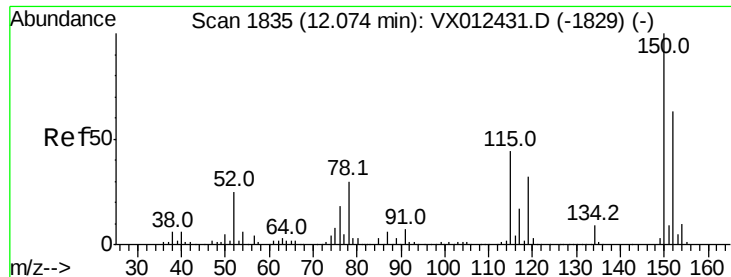
#64
Tetrachloroethene
Concen: 0.200 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012546.D
Acq: 20 Sep 2019 10:53

Tgt Ion:164 Resp: 230
Ion Ratio Lower Upper
164 100
166 117.9 107.8 161.6
129 119.3 86.2 129.2
131 118.8 80.4 120.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): 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: VX012546.D

Acq: 20 Sep 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VX0920WBL01

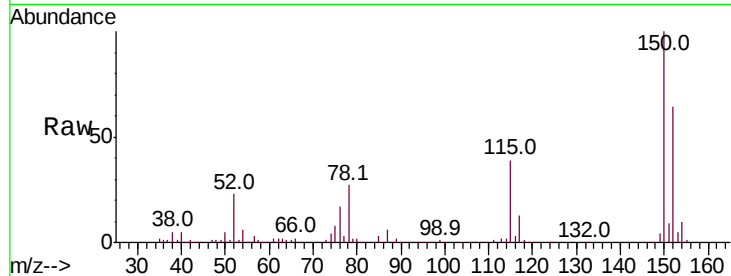
Tot Ion:152 Resp: 102758

Ion Ratio Lower Upper

152 100

115 62.8 44.1 132.3

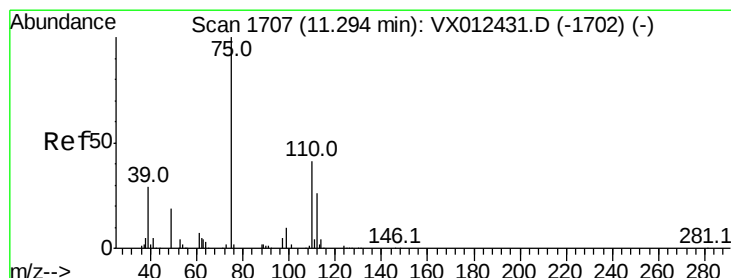
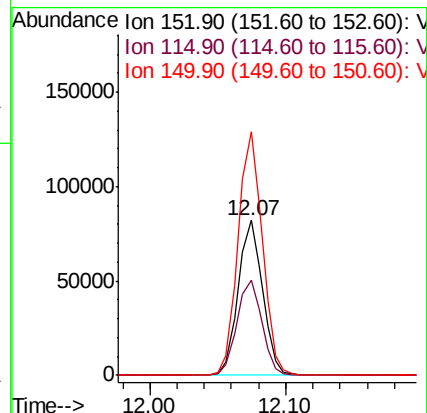
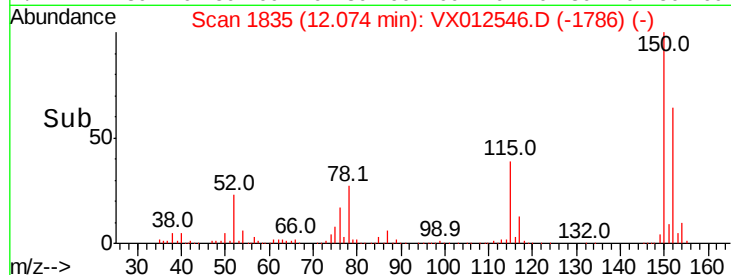
150 156.8 0.0 343.8



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: 27.051 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012546.D

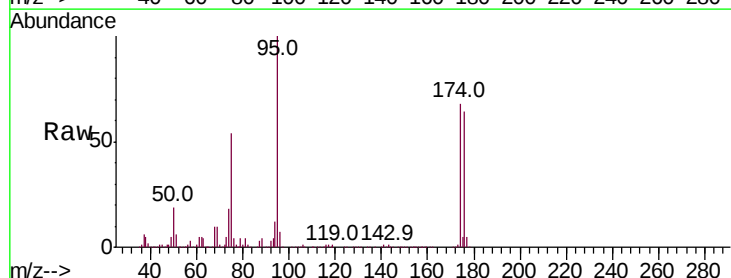
Acq: 20 Sep 2019 10:53

Tgt Ion: 75 Resp: 63852

Ion Ratio Lower Upper

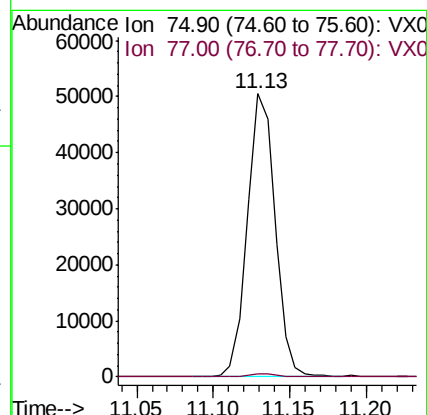
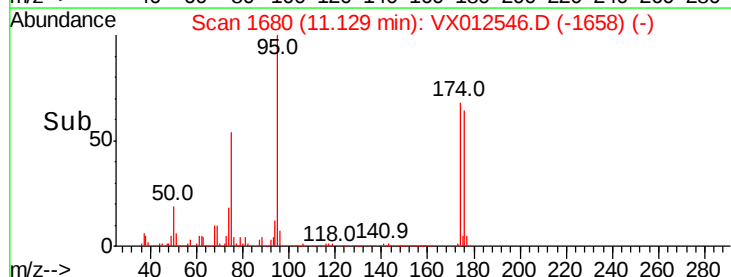
75 100

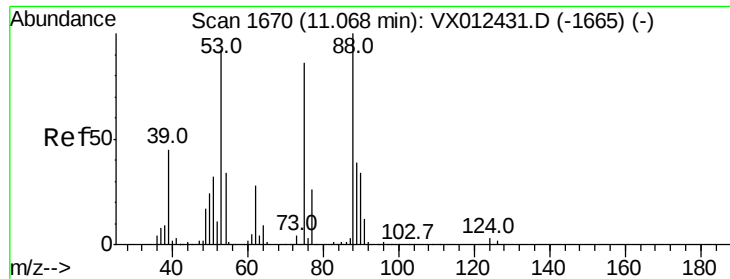
77 1.3 19.7 59.0#



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: 72.763 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012546.D

Acq: 20 Sep 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VX0920WBL01

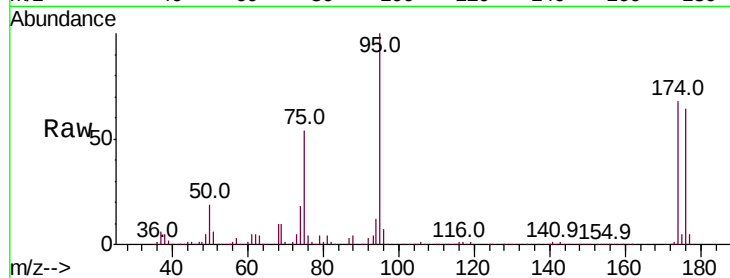
Tot Ion: 75 Resp: 63852

Ion Ratio Lower Upper

75 100

53 0.2 83.6 125.4#

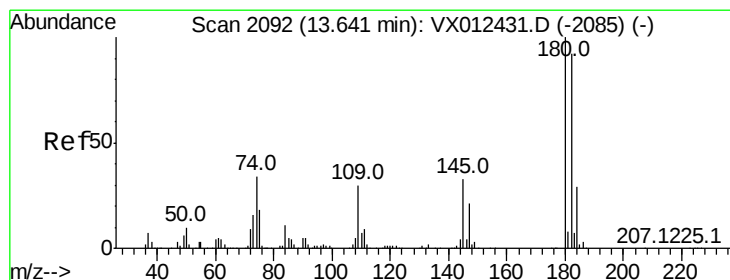
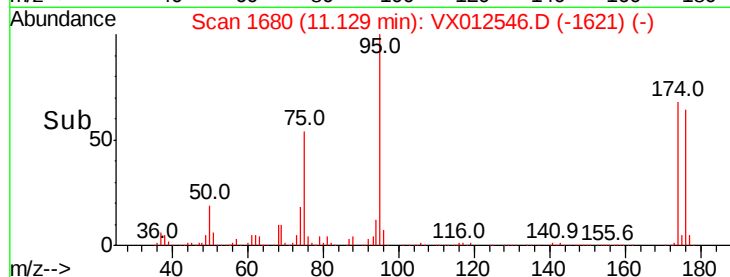
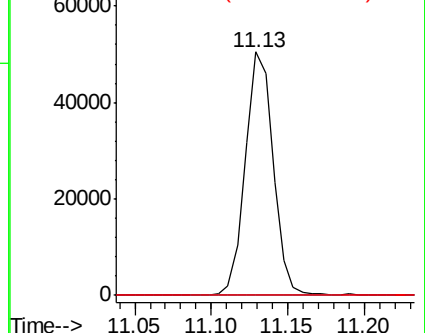
89 0.1 36.3 54.5#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.218 ug/l

RT: 13.65 min Scan# 2093

Delta R.T. 0.01 min

Lab File: VX012546.D

Acq: 20 Sep 2019 10:53

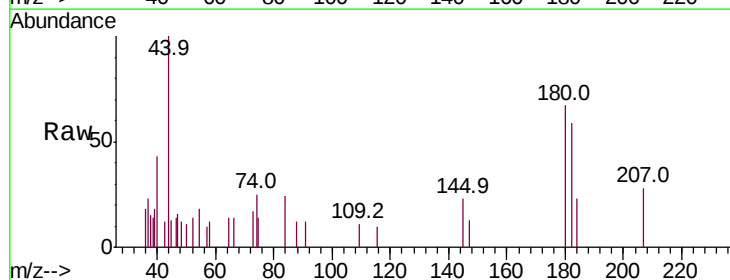
Tgt Ion:180 Resp: 434

Ion Ratio Lower Upper

180 100

182 120.7 47.0 141.0

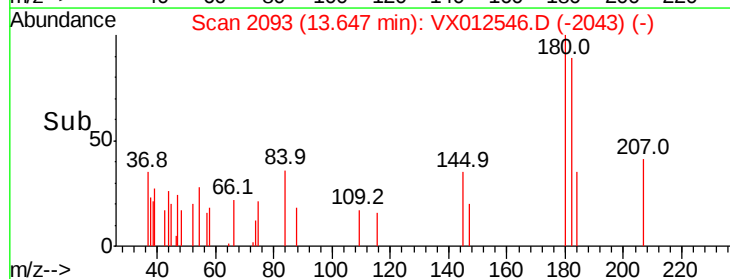
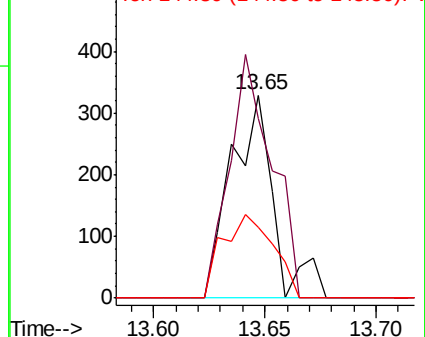
145 49.5 16.8 50.4

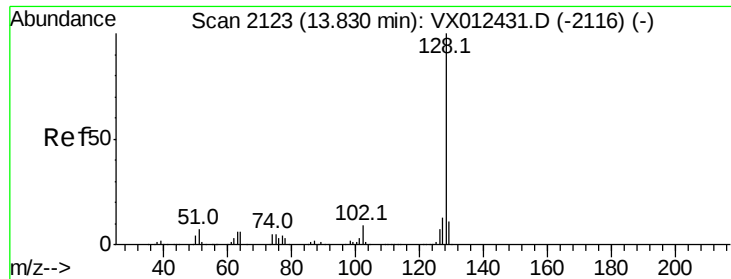


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

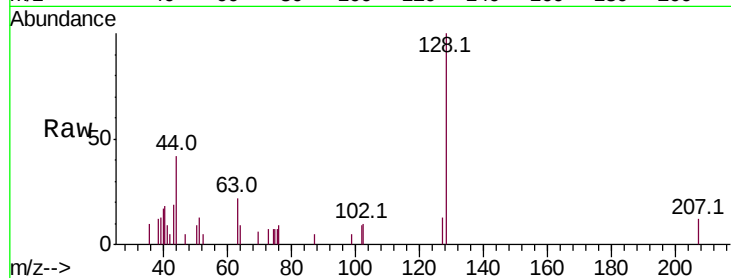




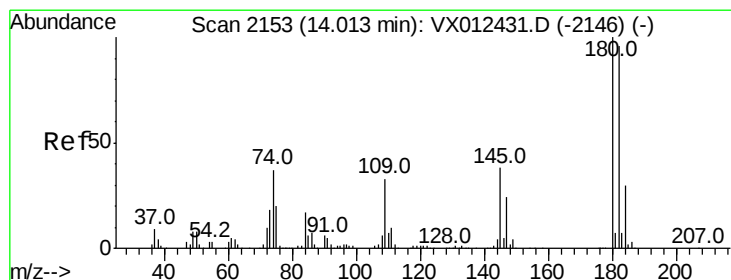
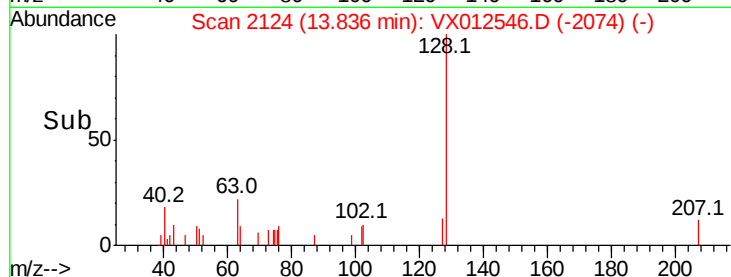
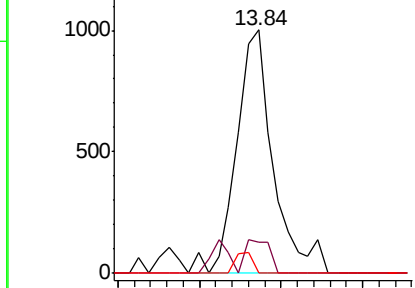
#95
Naphthalene
Concen: 0.222 ug/l
RT: 13.84 min Scan# 2124
Delta R.T. 0.01 min
Lab File: VX012546.D
Acq: 20 Sep 2019 10:53

Instrument :
MSVOA_X
ClientSampled :
VX0920WBL01

Tot Ion:128 Resp: 1571
Ion Ratio Lower Upper
128 100
127 9.2 10.2 15.4#
129 3.9 8.8 13.2#

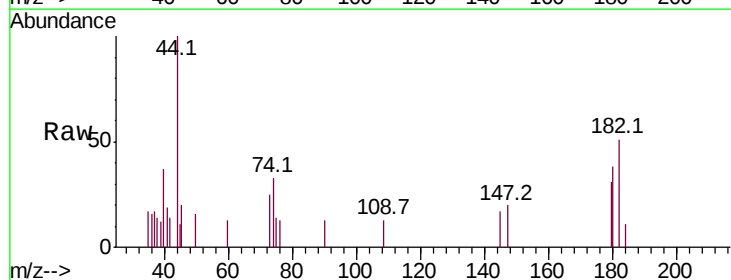


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 0.213 ug/l
RT: 14.03 min Scan# 2155
Delta R.T. 0.01 min
Lab File: VX012546.D
Acq: 20 Sep 2019 10:53

Tgt Ion:180 Resp: 432
Ion Ratio Lower Upper
180 100
182 82.9 47.1 141.3
145 35.6 18.0 54.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

