

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091819\
 Data File : VX012464.D
 Acq On : 18 Sep 2019 11:31
 Operator : JC/SP
 Sample : VX0918MBL01
 Misc : 5.0µ/10mL/100µL/10mL/MSVOA_X/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918MBL01

Quant Time: Sep 19 05:59:22 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	200203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	321121	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	271184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	108265	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	134604	46.91	ug/l	0.00
Spiked Amount			Recovery	=	93.82%	
35) Dibromofluoromethane	5.49	113	96918	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
50) Toluene-d8	8.71	98	363715	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
62) 4-Bromofluorobenzene	11.13	95	133030	44.54	ug/l	0.00
Spiked Amount			Recovery	=	89.08%	

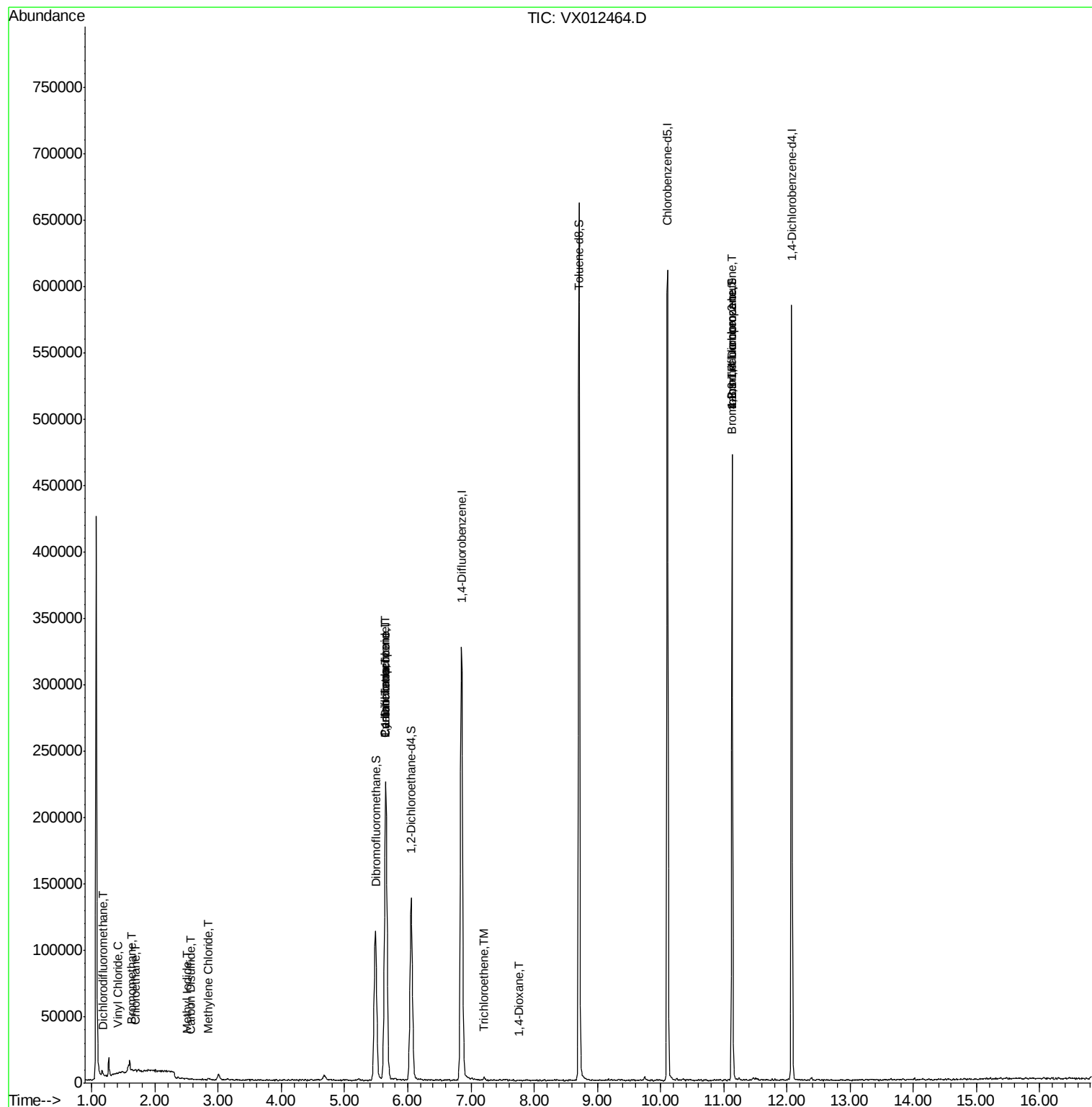
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	75	0.447	ug/l #	43
4) Vinyl Chloride	1.40	62	243	0.204	ug/l #	83
5) Bromomethane	1.63	94	177	0.379	ug/l #	74
6) Chloroethane	1.70	64	545	0.585	ug/l #	79
10) Methyl Iodide	2.50	142	494	4.775	ug/l #	88
11) Tert butyl alcohol	3.01	59	2907	Below Cal	#	78
13) Acrolein	2.27	56	321	Below Cal		97
16) Acetone	2.42	43	634	Below Cal	#	46
17) Carbon Disulfide	2.56	76	392	2.019	ug/l #	47
20) Methylene Chloride	2.84	84	453	0.261	ug/l #	86
31) Cyclohexane	5.65	56	5296	2.672	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	17795	9.118	ug/l #	52
38) Carbon Tetrachloride	5.65	117	21678	8.931	ug/l #	16
44) Trichloroethene	7.21	130	831	0.509	ug/l	47
49) 1,4-Dioxane	7.76	88	42	0.681	ug/l #	58
71) Bromoform	11.12	173	235	3.008	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	68041	27.359	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	68041	73.557	ug/l #	8

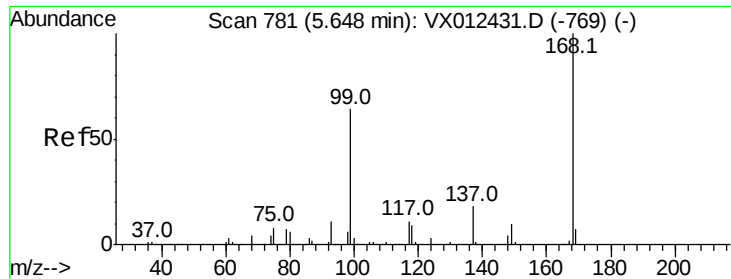
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 782

Delta R.T. 0.01 min

Lab File: VX012464.D

Acq: 18 Sep 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

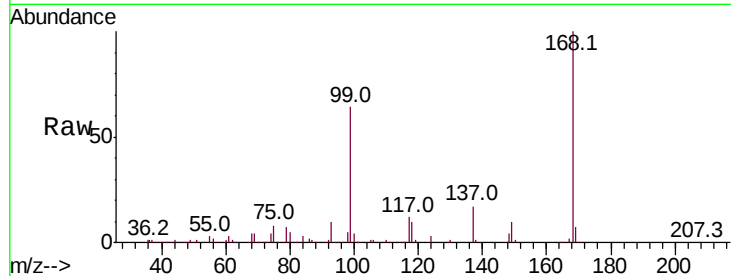
VX0918MBL01

Tot Ion:168 Resp: 200203

Ion Ratio Lower Upper

168 100

99 63.7 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

80000

60000

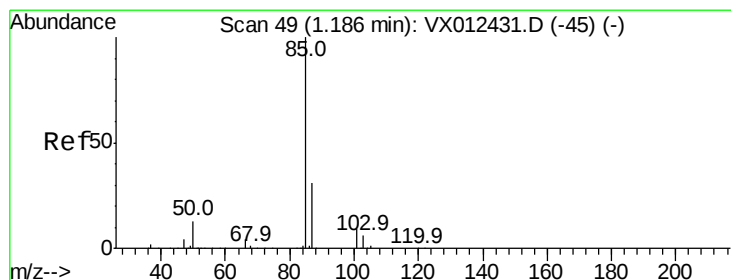
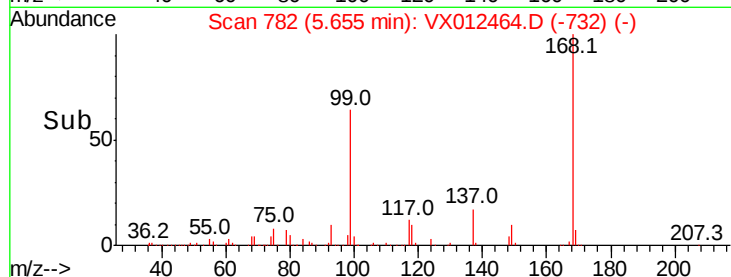
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.447 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012464.D

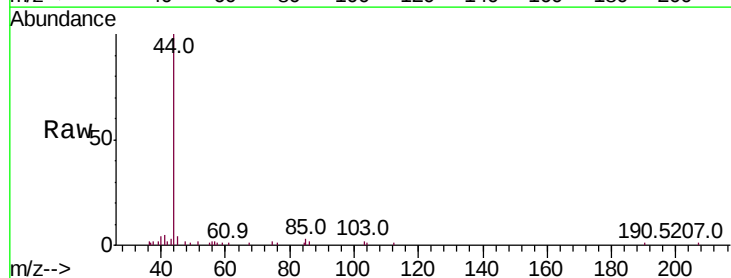
Acq: 18 Sep 2019 11:31

Tgt Ion: 85 Resp: 75

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

1.19

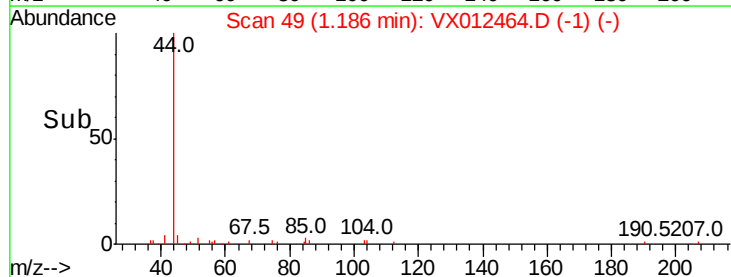
100

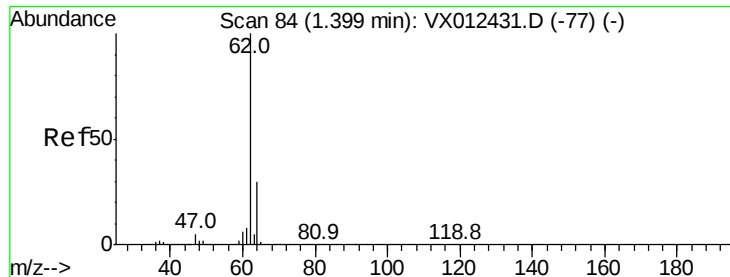
50

0

Time-->

1.16 1.18 1.20





#4

Vinyl Chloride

Concen: 0.204 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012464.D

Acq: 18 Sep 2019 11:31

Instrument :

MSVOA_X

ClientSampled :

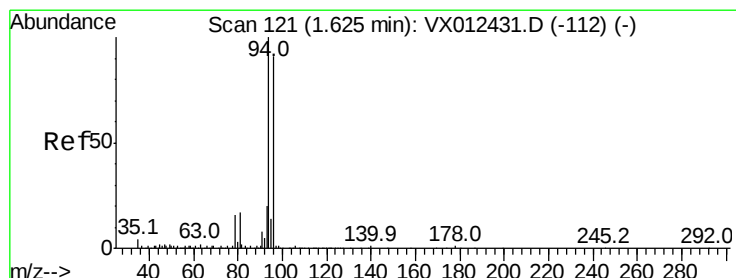
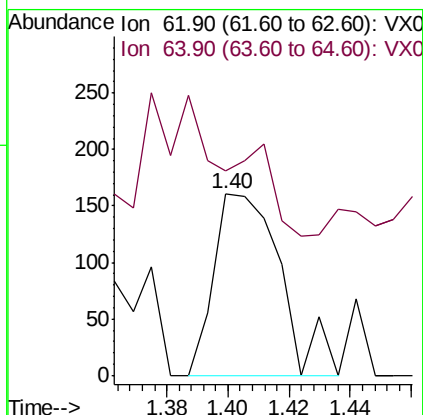
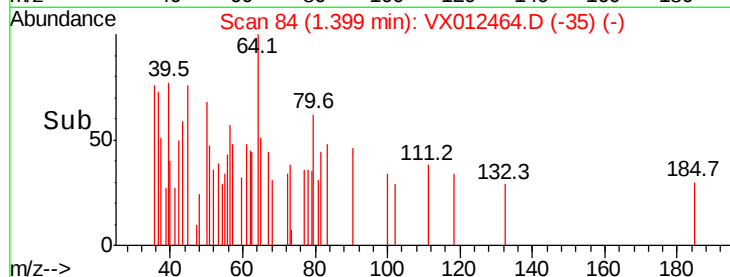
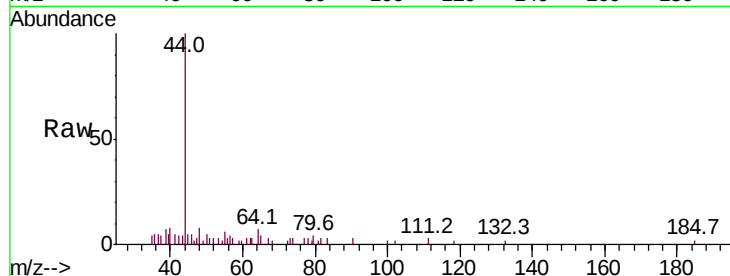
VX0918MBL01

Tot Ion: 62 Resp: 243

Ion Ratio Lower Upper

62 100

64 21.1 24.2 36.2#



#5

Bromomethane

Concen: 0.379 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX012464.D

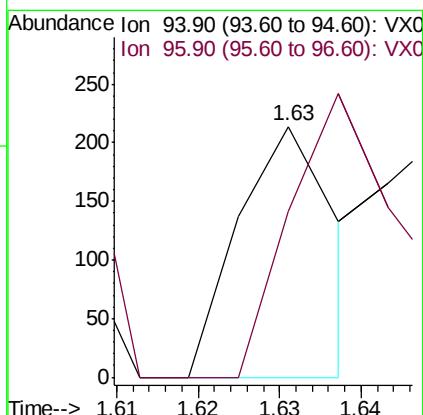
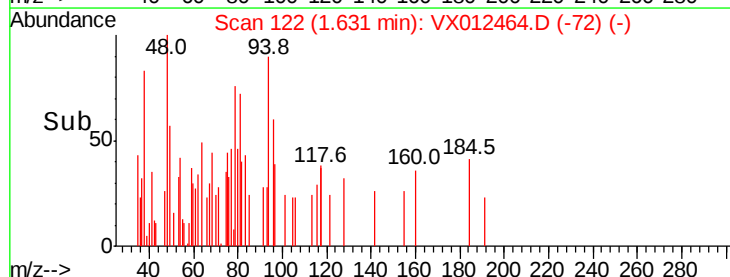
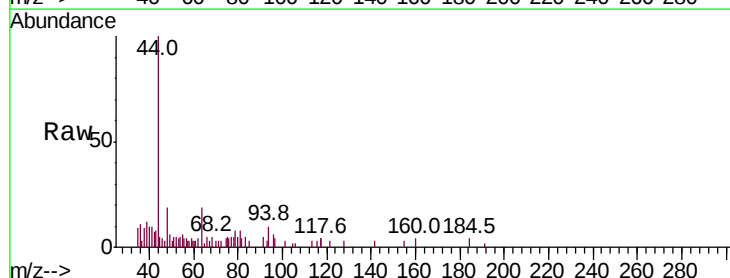
Acq: 18 Sep 2019 11:31

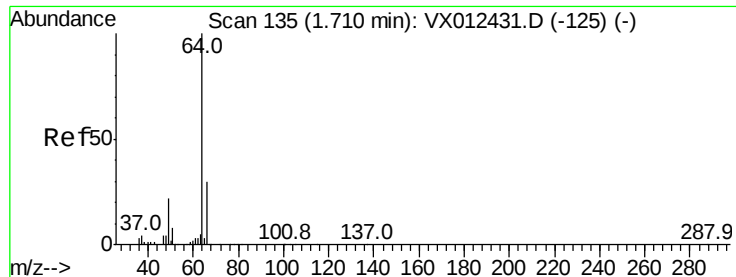
Tgt Ion: 94 Resp: 177

Ion Ratio Lower Upper

94 100

96 66.4 72.8 109.2#





#6

Chloroethane

Concen: 0.585 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX012464.D

Acq: 18 Sep 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

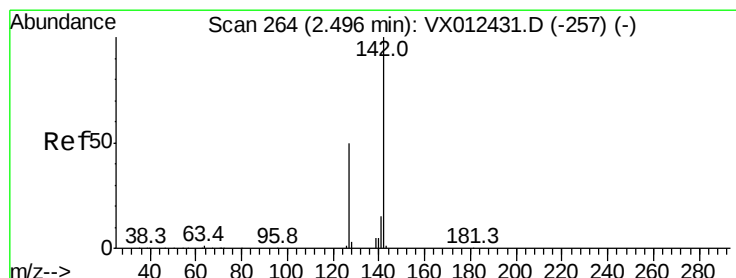
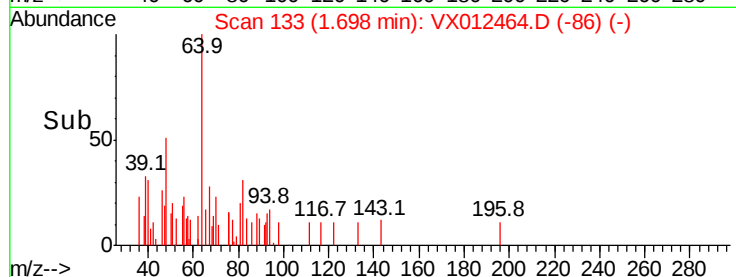
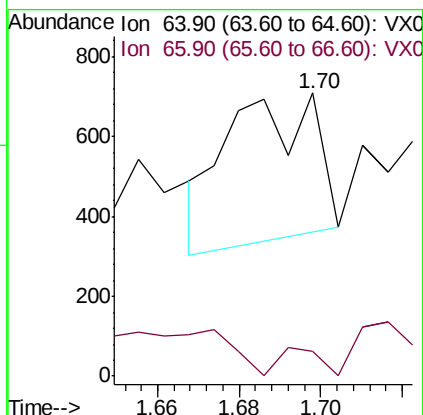
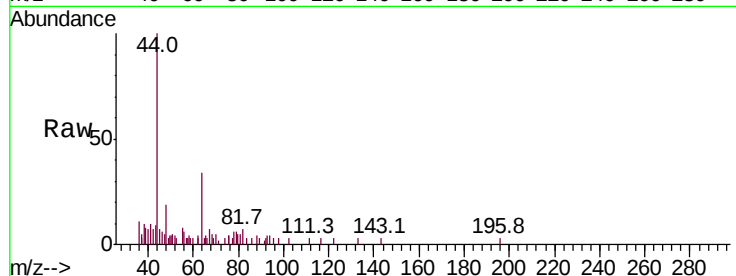
VX0918MBL01

Tot Ion: 64 Resp: 545

Ion Ratio Lower Upper

64 100

66 18.6 24.0 36.0#



#10

Methyl Iodide

Concen: 4.775 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012464.D

Acq: 18 Sep 2019 11:31

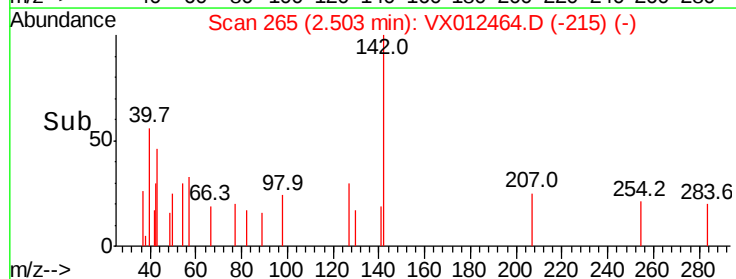
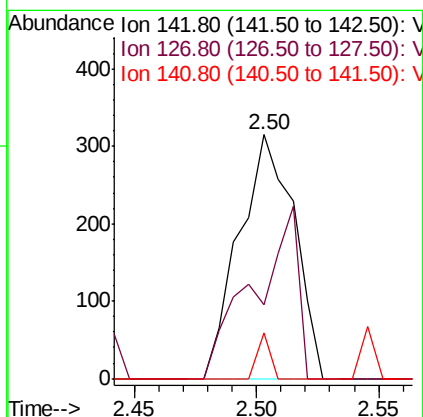
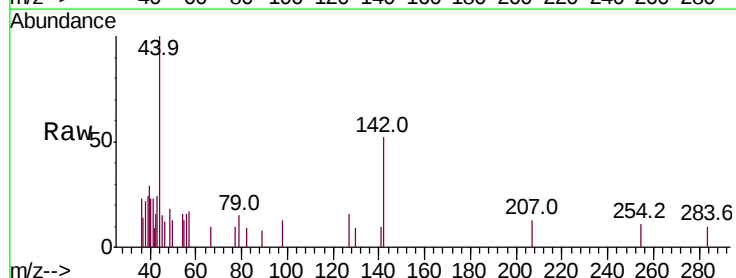
Tgt Ion: 142 Resp: 494

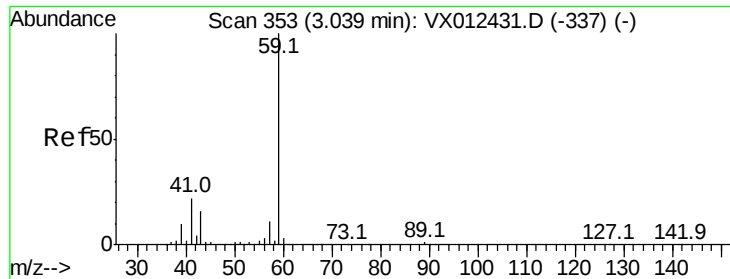
Ion Ratio Lower Upper

142 100

127 56.9 40.8 61.2

141 4.5 12.1 18.1#

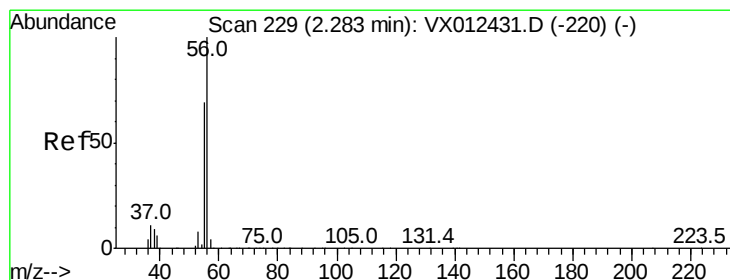
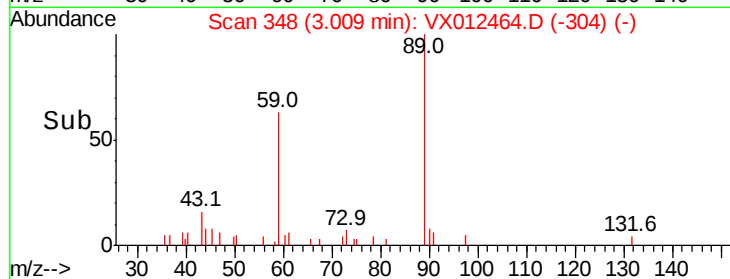
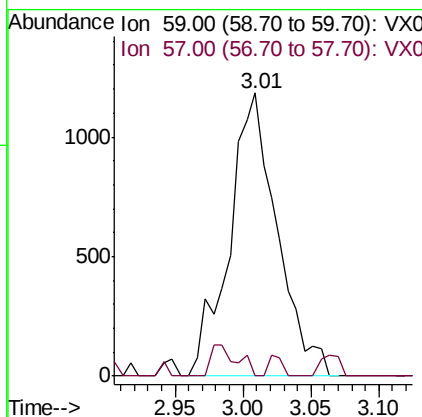
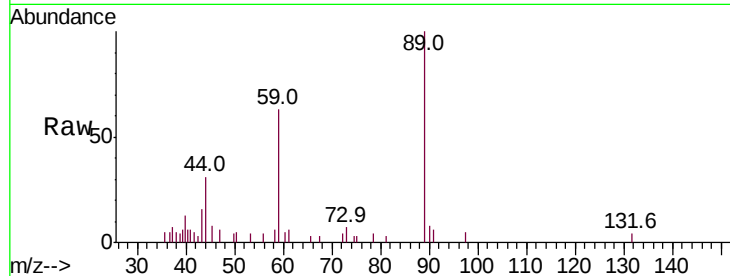




#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX012464.D
Acq: 18 Sep 2019 11:31

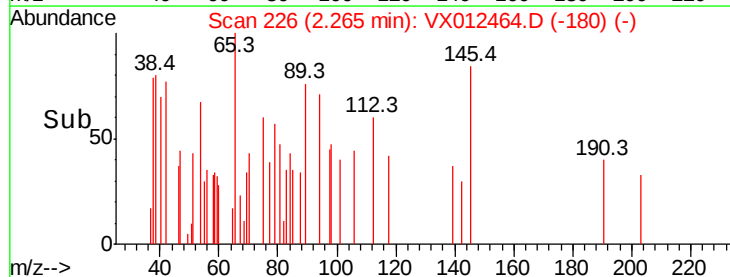
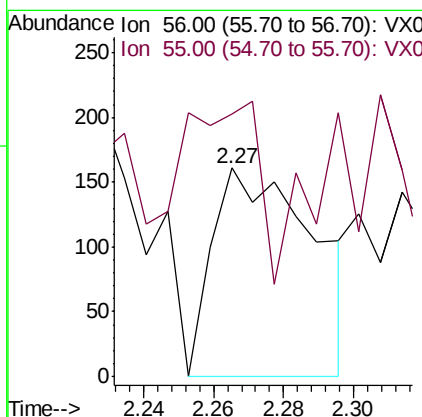
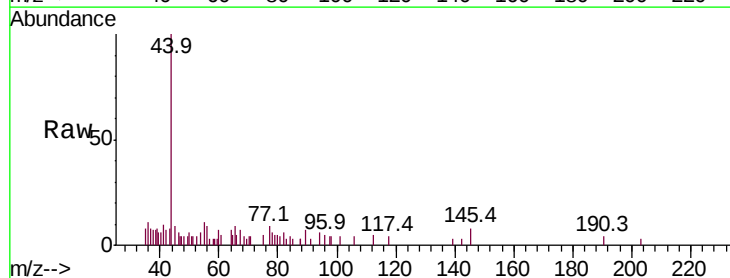
Instrument :
MSVOA_X
ClientSampled :
VX0918MBL01

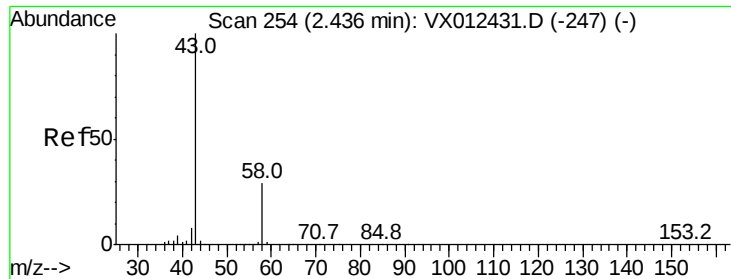
Tot Ion: 59 Resp: 2907
Ion Ratio Lower Upper
59 100
57 2.1 8.3 12.5#



#13
Acrolein
Concen: Below Cal
RT: 2.27 min Scan# 226
Delta R.T. -0.02 min
Lab File: VX012464.D
Acq: 18 Sep 2019 11:31

Tgt Ion: 56 Resp: 321
Ion Ratio Lower Upper
56 100
55 67.0 55.8 83.8





#16

Acetone

Concen: Below Cal

RT: 2.42 min Scan# 252

Delta R.T. -0.01 min

Lab File: VX012464.D

Acq: 18 Sep 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

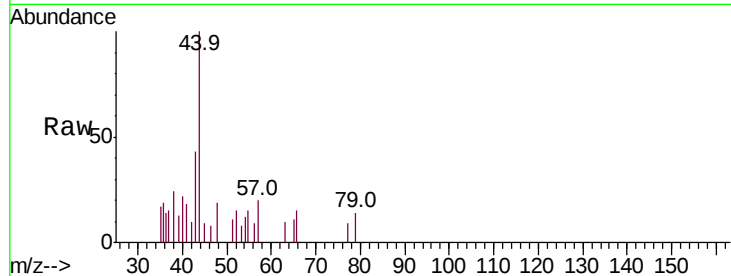
VX0918MBL01

Tot Ion: 43 Resp: 634

Ion Ratio Lower Upper

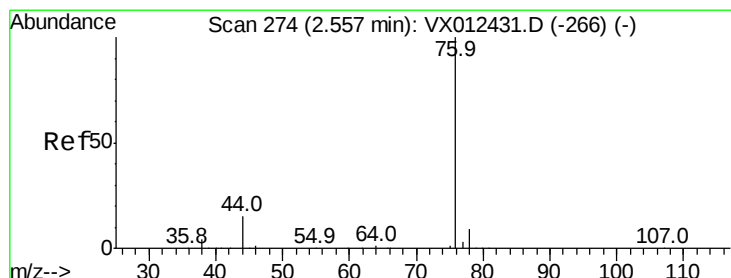
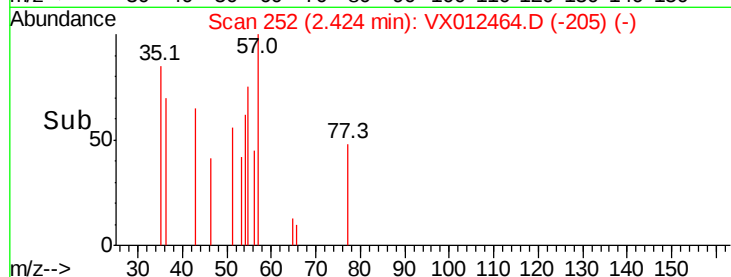
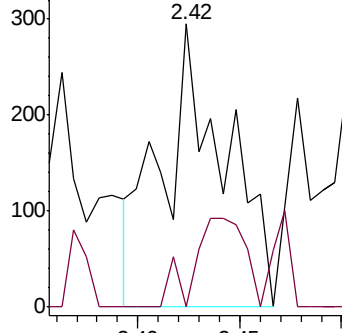
43 100

58 0.0 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 2.019 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX012464.D

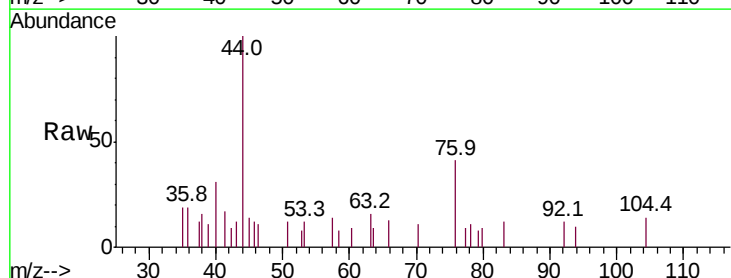
Acq: 18 Sep 2019 11:31

Tgt Ion: 76 Resp: 392

Ion Ratio Lower Upper

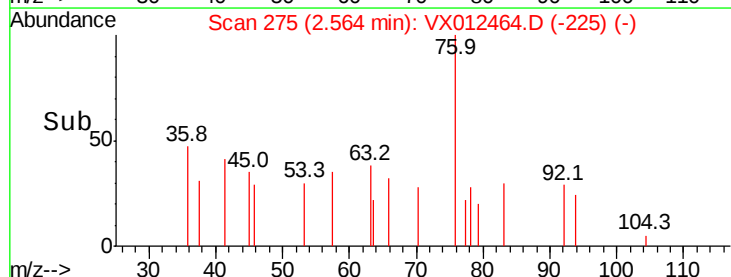
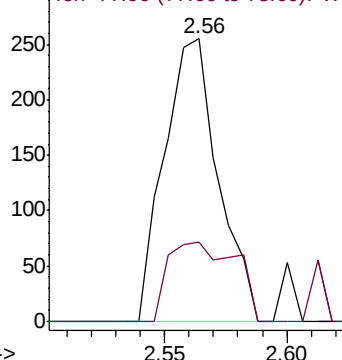
76 100

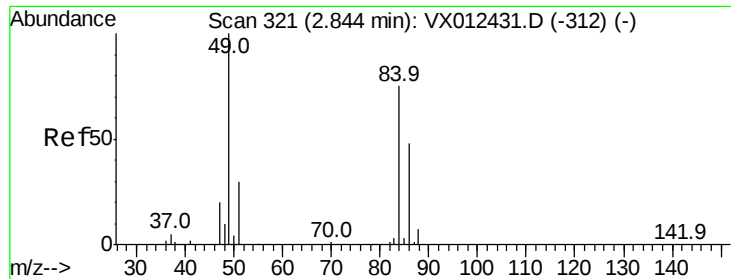
78 28.2 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

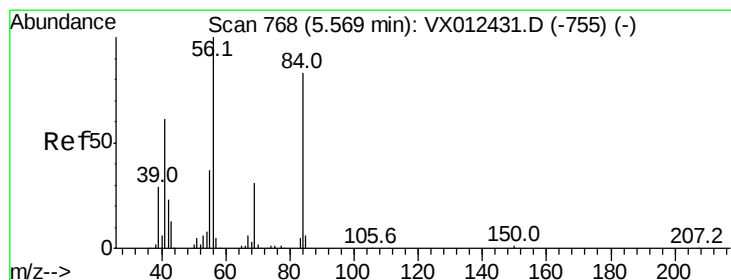
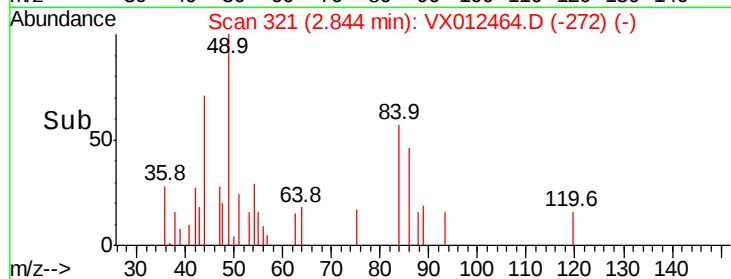
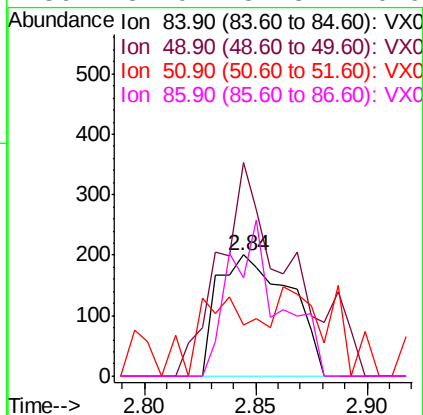
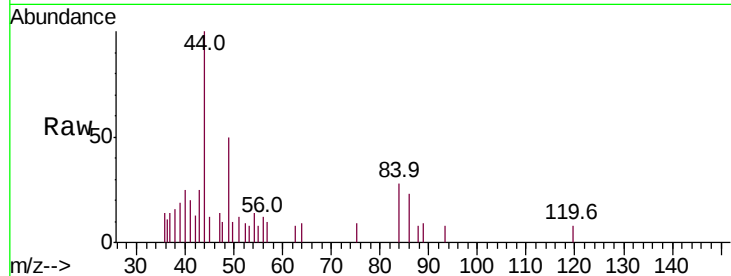




#20
Methvlene Chloride
Concen: 0.261 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012464.D
Acq: 18 Sep 2019 11:31

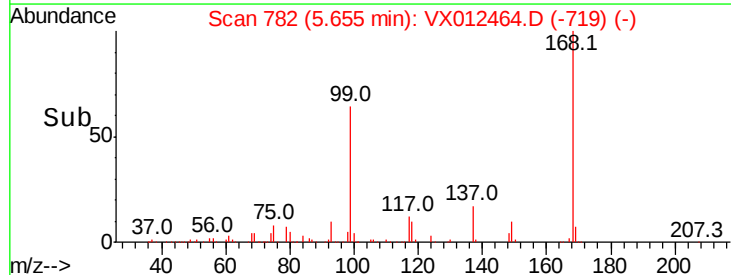
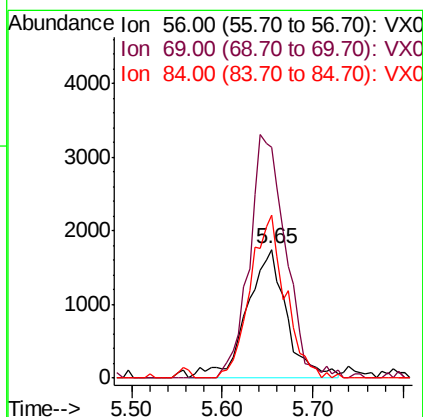
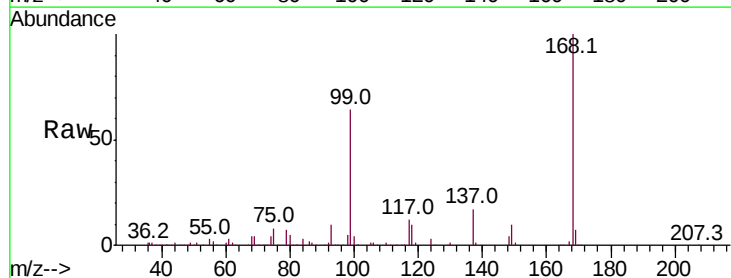
Instrument :
MSVOA_X
ClientSampleId :
VX0918MBL01

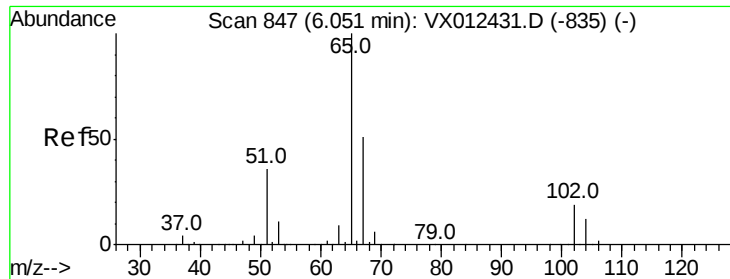
Tot Ion: 84 Resp: 453
Ion Ratio Lower Upper
84 100
49 149.0 106.8 160.2
51 42.5 32.3 48.5
86 81.0 51.3 76.9#



#31
Cyclohexane
Concen: 2.672 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX012464.D
Acq: 18 Sep 2019 11:31

Tgt Ion: 56 Resp: 5296
Ion Ratio Lower Upper
56 100
69 179.2 25.0 37.6#
84 123.6 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 46.912 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012464.D

Acq: 18 Sep 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

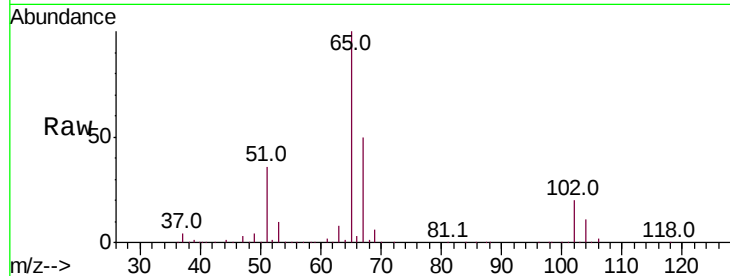
VX0918MBL01

Tot Ion: 65 Resp: 134604

Ion Ratio Lower Upper

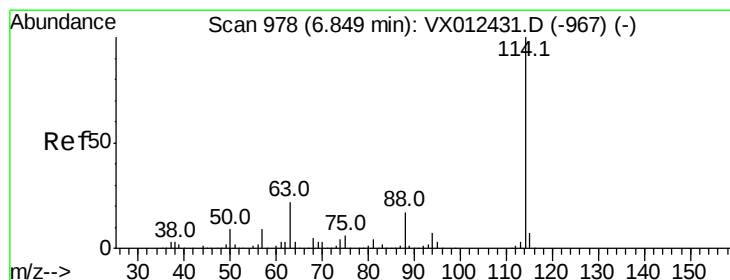
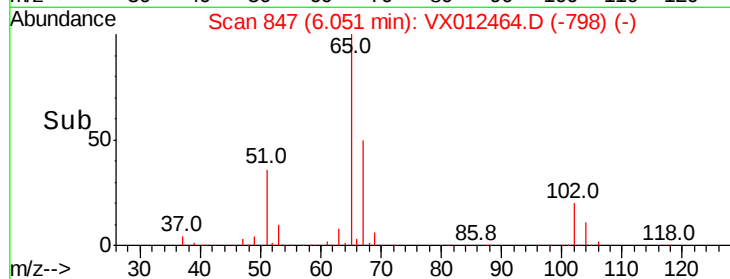
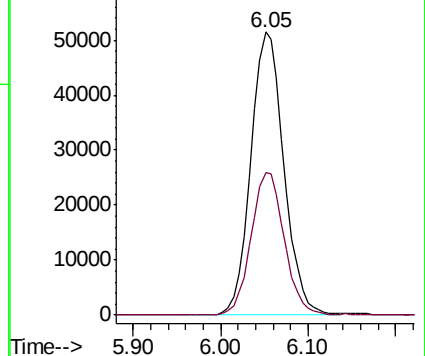
65 100

67 50.7 0.0 101.2



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: VX012464.D

Acq: 18 Sep 2019 11:31

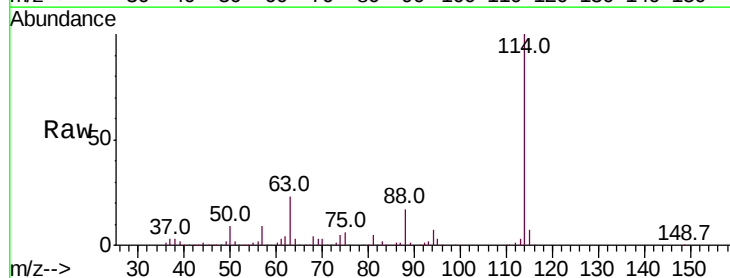
Tgt Ion: 114 Resp: 321121

Ion Ratio Lower Upper

114 100

63 22.6 0.0 43.2

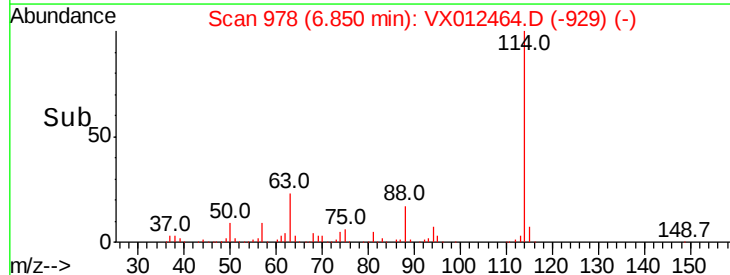
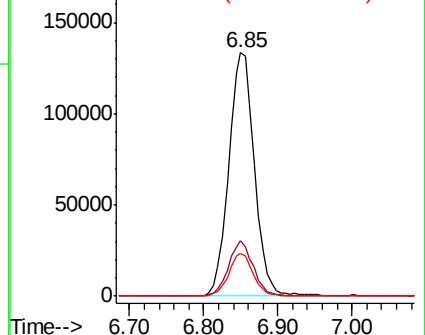
88 17.3 0.0 33.2

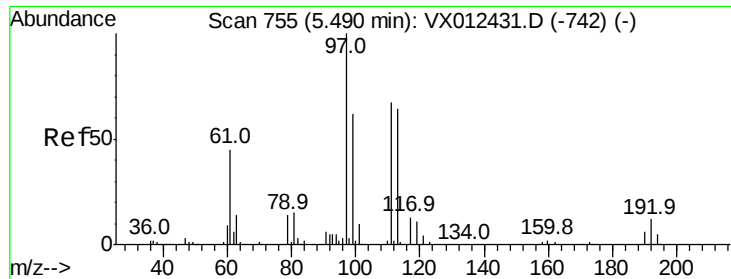


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

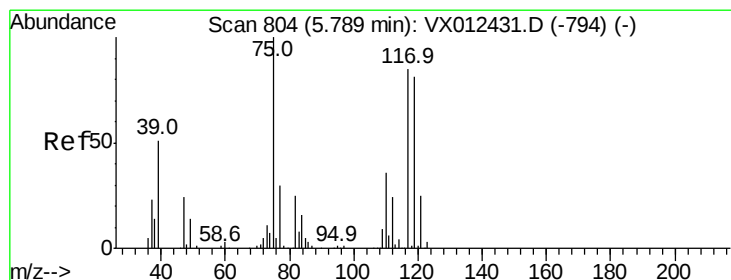
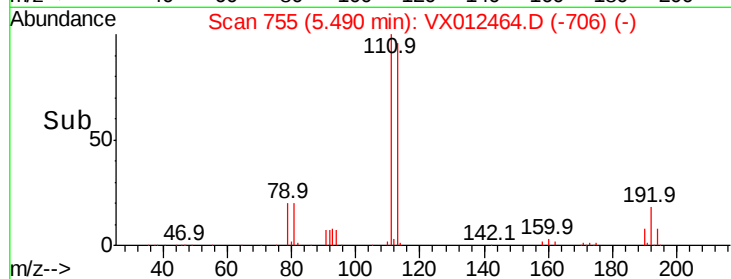
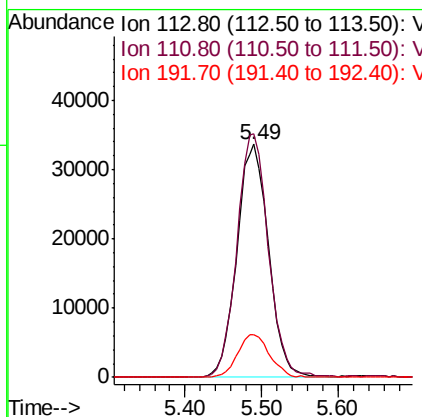
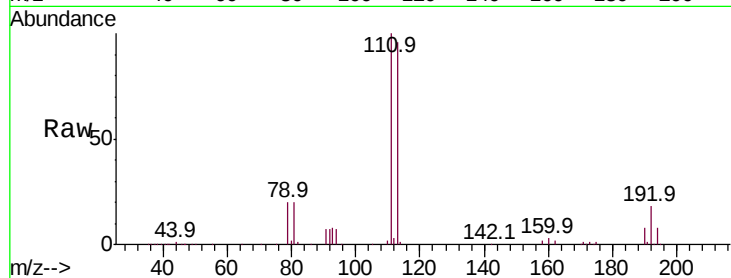




#35
 Dibromofluoromethane
 Concen: 49.865 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012464.D
 Acq: 18 Sep 2019 11:31

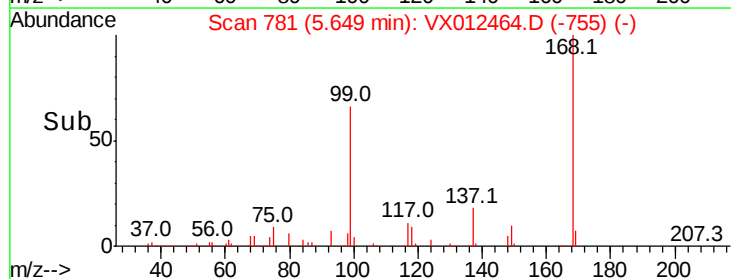
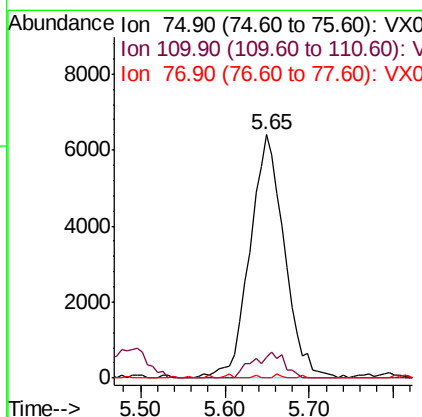
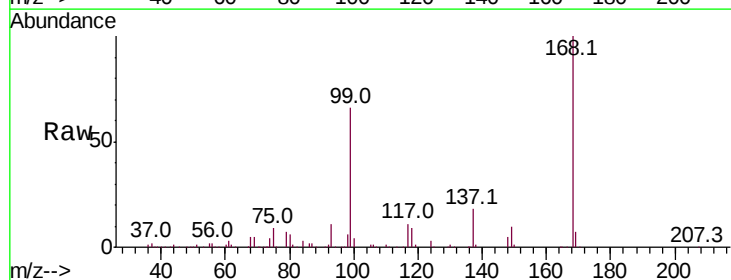
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0918MBL01

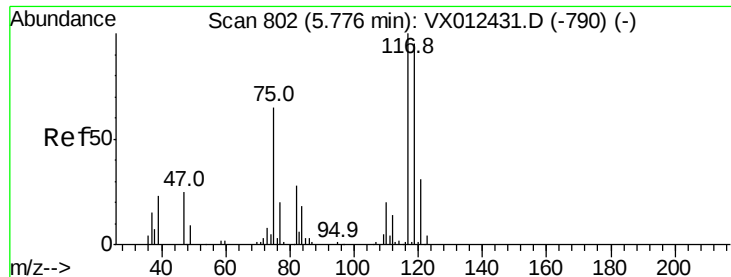
Tot Ion:113 Resp: 96918
 Ion Ratio Lower Upper
 113 100
 111 103.6 83.4 125.2
 192 18.6 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 9.118 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012464.D
 Acq: 18 Sep 2019 11:31

Tgt Ion: 75 Resp: 17795
 Ion Ratio Lower Upper
 75 100
 110 9.8 16.7 50.0#
 77 0.3 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 8.931 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012464.D

Acq: 18 Sep 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0918MBL01

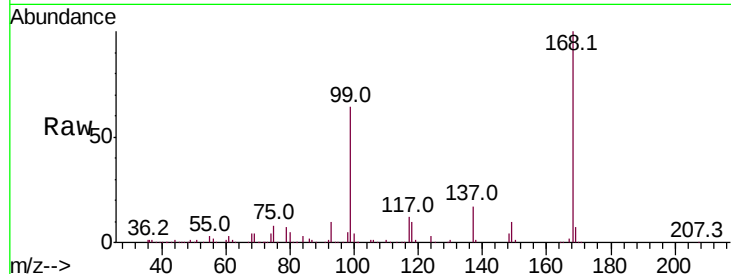
Tot Ion:117 Resp: 21678

Ion Ratio Lower Upper

117 100

119 4.6 75.7 113.5#

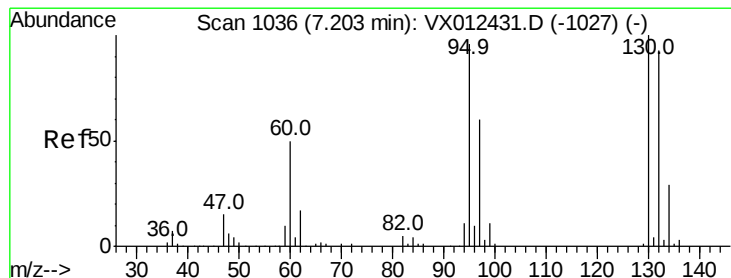
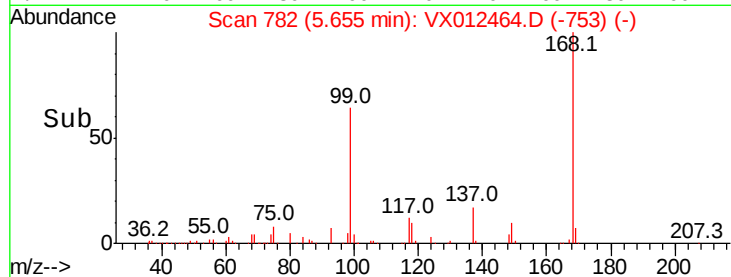
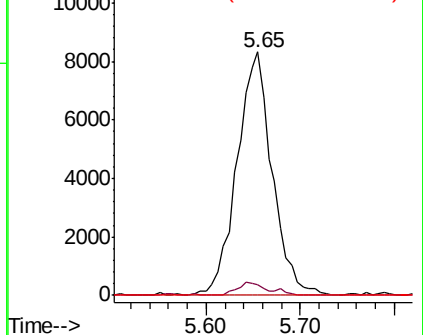
121 0.0 24.2 36.4#



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



#44

Trichloroethene

Concen: 0.509 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX012464.D

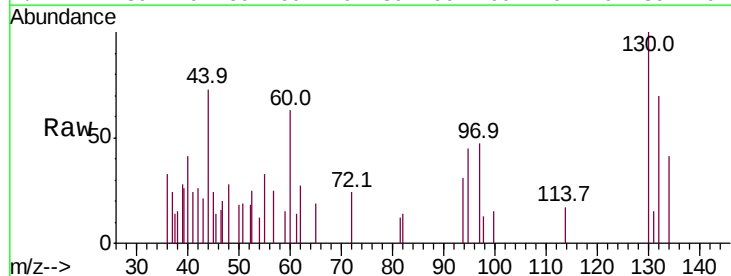
Acq: 18 Sep 2019 11:31

Tgt Ion:130 Resp: 831

Ion Ratio Lower Upper

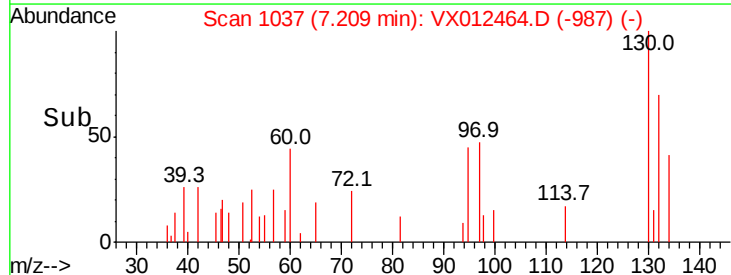
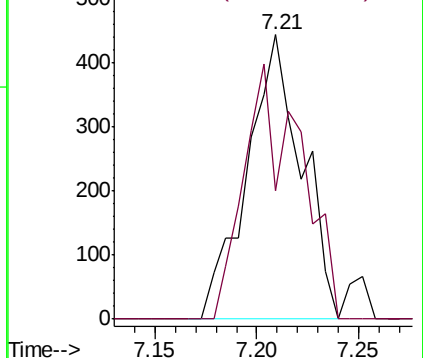
130 100

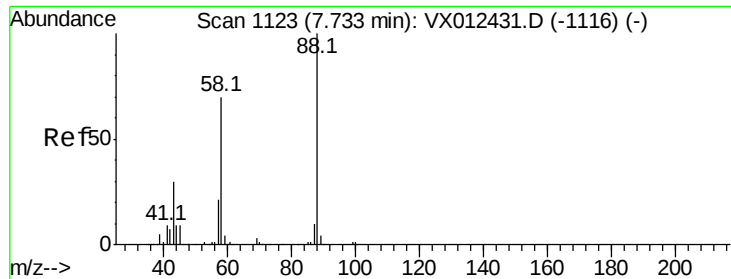
95 44.8 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

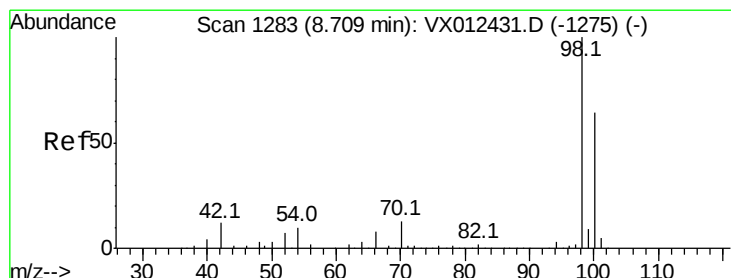
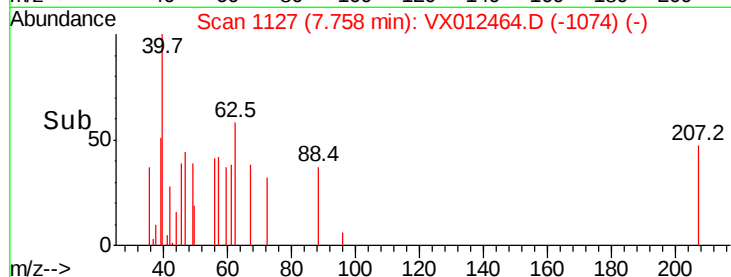
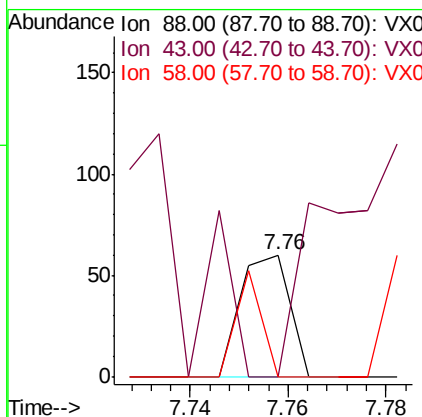
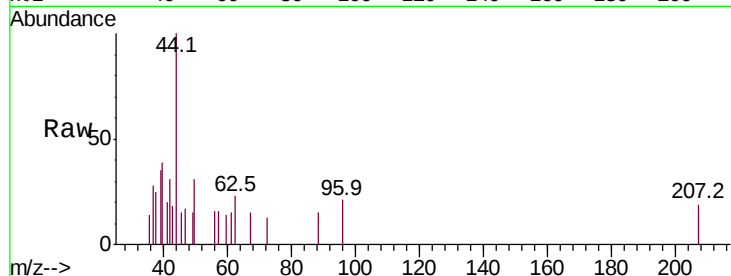




#49
1,4-Dioxane
Concen: 0.681 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. 0.02 min
Lab File: VX012464.D
Acq: 18 Sep 2019 11:31

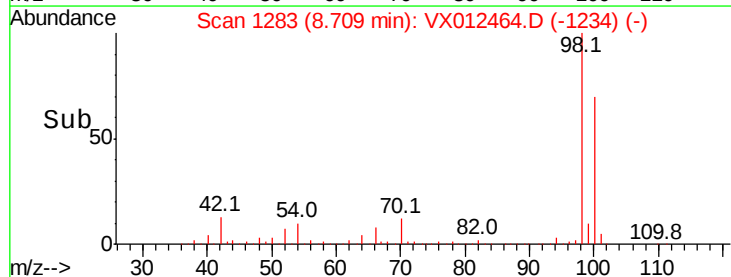
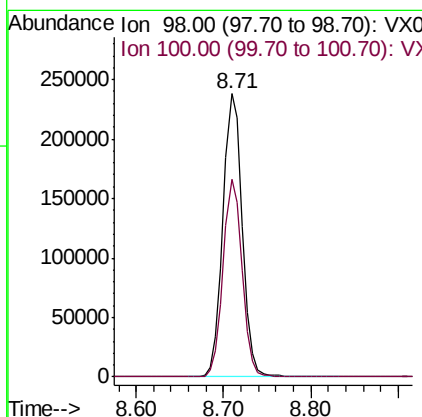
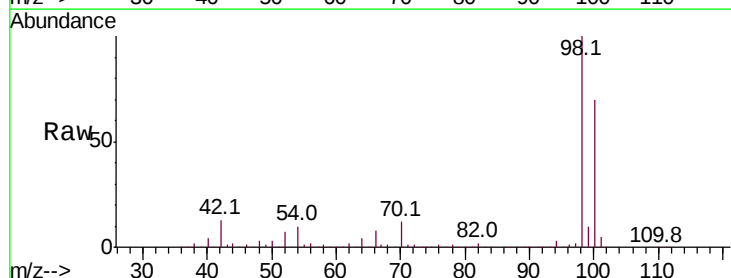
Instrument :
MSVOA_X
ClientSampleId :
VX0918MBL01

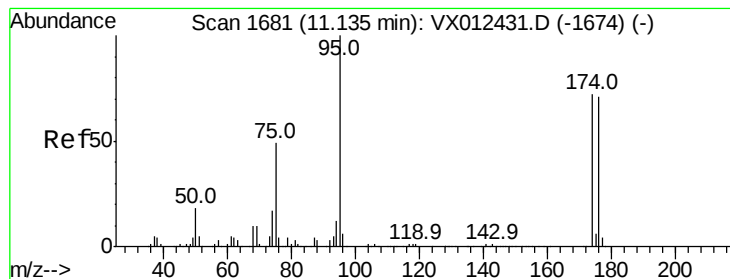
Tot Ion: 88 Resp: 42
Ion Ratio Lower Upper
88 100
43 0.0 29.4 44.0#
58 45.2 57.5 86.3#



#50
Toluene-d8
Concen: 50.557 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012464.D
Acq: 18 Sep 2019 11:31

Tgt Ion: 98 Resp: 363715
Ion Ratio Lower Upper
98 100
100 68.7 53.4 80.2





#62

4-Bromofluorobenzene

Concen: 44.535 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012464.D

Acq: 18 Sep 2019 11:31

Instrument :

MSVOA_X

ClientSampled :

VX0918MBL01

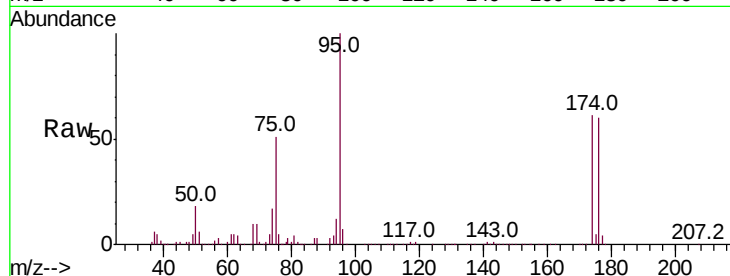
Tot Ion: 95 Resp: 133030

Ion Ratio Lower Upper

95 100

174 69.8 0.0 140.0

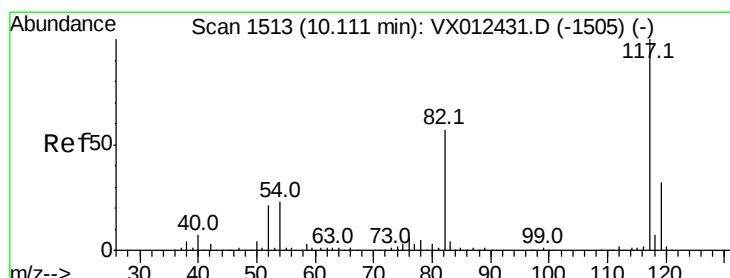
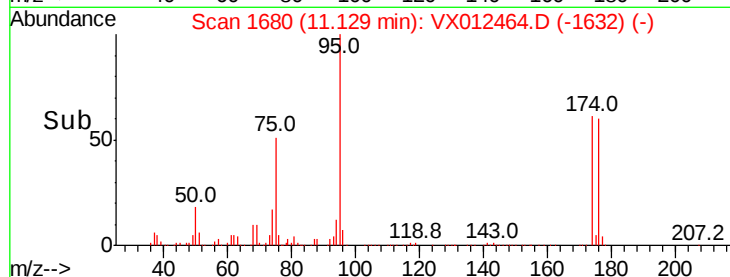
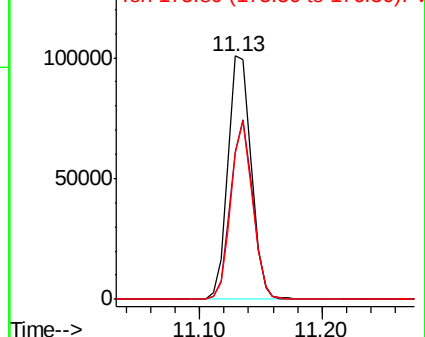
176 67.9 0.0 135.4



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: VX012464.D

Acq: 18 Sep 2019 11:31

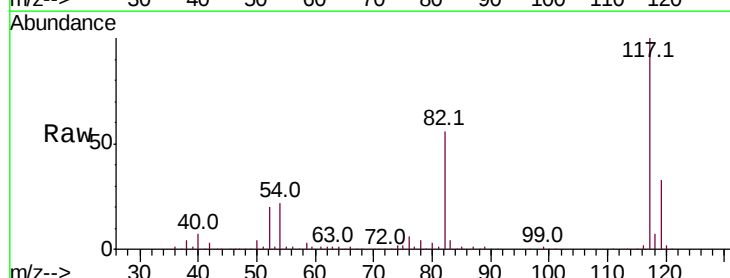
Tgt Ion: 117 Resp: 271184

Ion Ratio Lower Upper

117 100

82 55.6 45.9 68.9

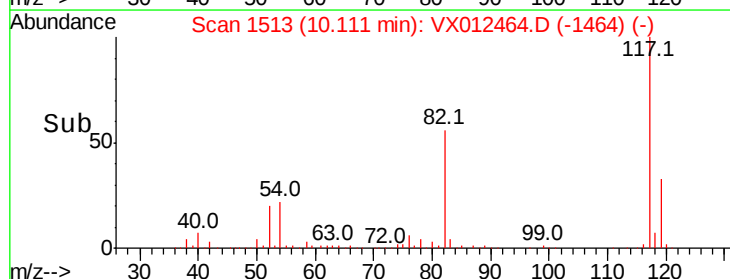
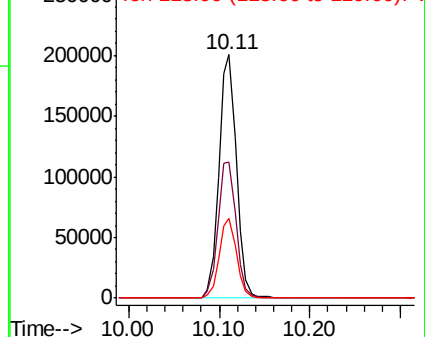
119 33.0 25.3 37.9

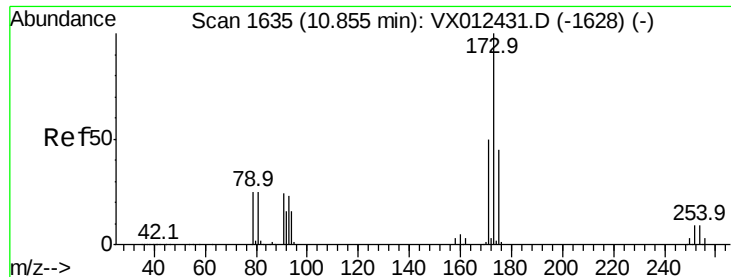


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#71

Bromoform

Concen: 3.008 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.27 min

Lab File: VX012464.D

Acq: 18 Sep 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

VX0918MBL01

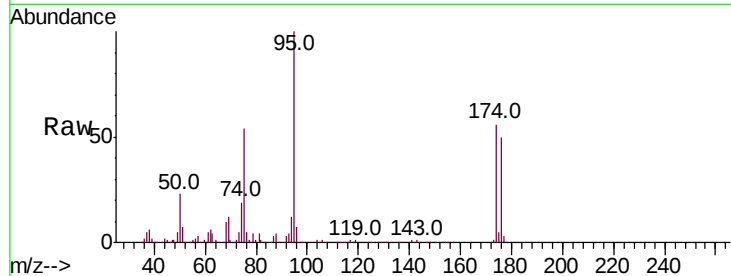
Tot Ion:173 Resp: 235

Ion Ratio Lower Upper

173 100

175 0.0 23.7 71.1#

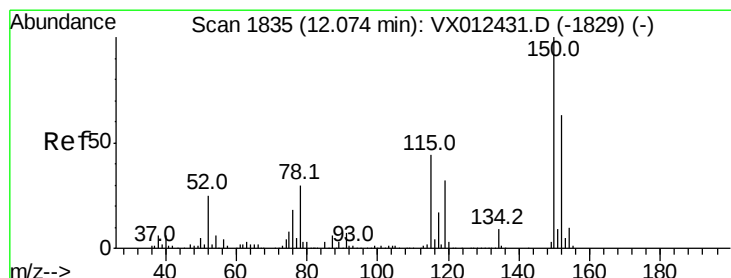
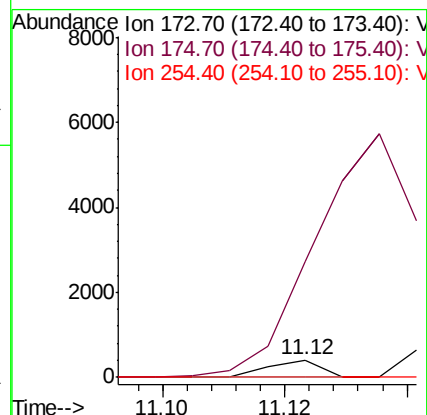
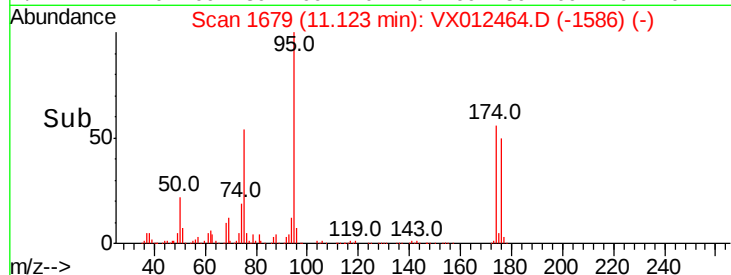
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VX012464.D

Acq: 18 Sep 2019 11:31

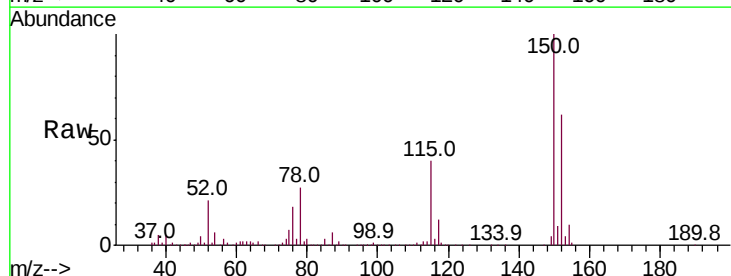
Tgt Ion:152 Resp: 108265

Ion Ratio Lower Upper

152 100

115 64.0 44.1 132.3

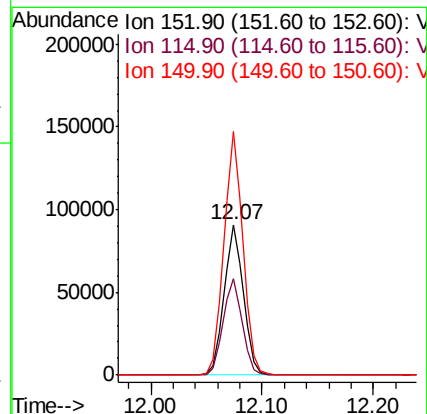
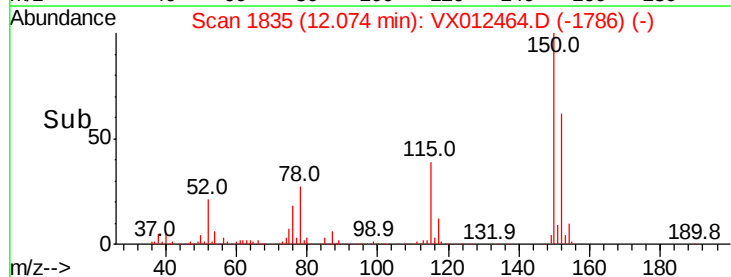
150 160.1 0.0 343.8

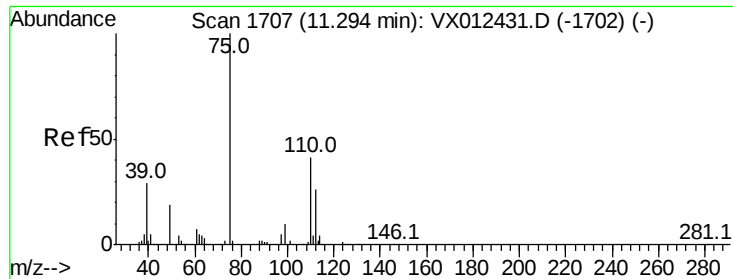


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.359 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012464.D

Acq: 18 Sep 2019 11:31

Instrument :

MSVOA_X

ClientSampleId :

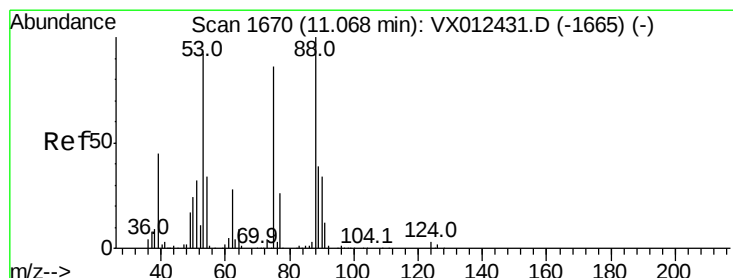
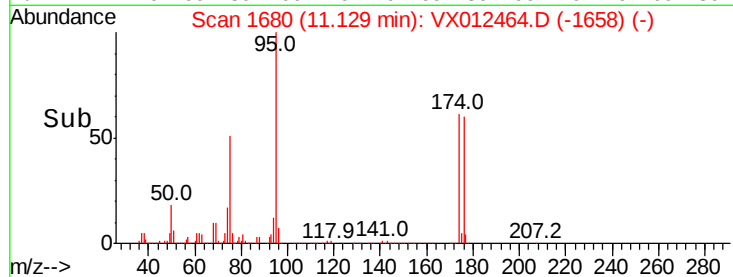
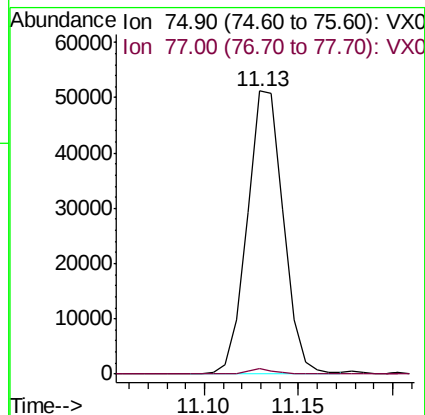
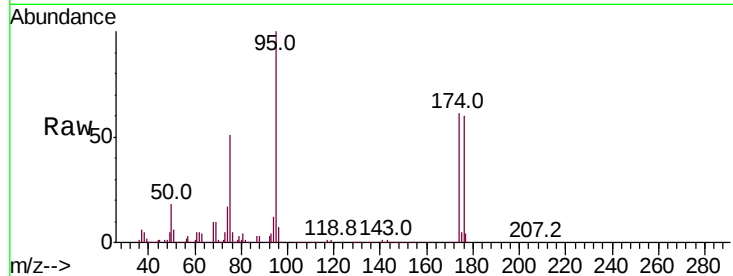
VX0918MBL01

Tot Ion: 75 Resp: 68041

Ion Ratio Lower Upper

75 100

77 1.4 19.7 59.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.557 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012464.D

Acq: 18 Sep 2019 11:31

Tgt Ion: 75 Resp: 68041

Ion Ratio Lower Upper

75 100

53 0.2 83.6 125.4#

89 0.1 36.3 54.5#

