

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100719\
 Data File : VX012830.D
 Acq On : 07 Oct 2019 11:57
 Operator : JC/SP
 Sample : VX1007WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1007WBL01

Quant Time: Oct 08 11:10:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	175278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	298497	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	257116	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	104935	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	113585	44.50	ug/l	0.00
Spiked Amount			Recovery	=	89.00%	
35) Dibromofluoromethane	5.48	113	89621	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
50) Toluene-d8	8.71	98	350631	51.22	ug/l	0.00
Spiked Amount			Recovery	=	102.44%	
62) 4-Bromofluorobenzene	11.13	95	125287	46.54	ug/l	0.00
Spiked Amount			Recovery	=	93.08%	

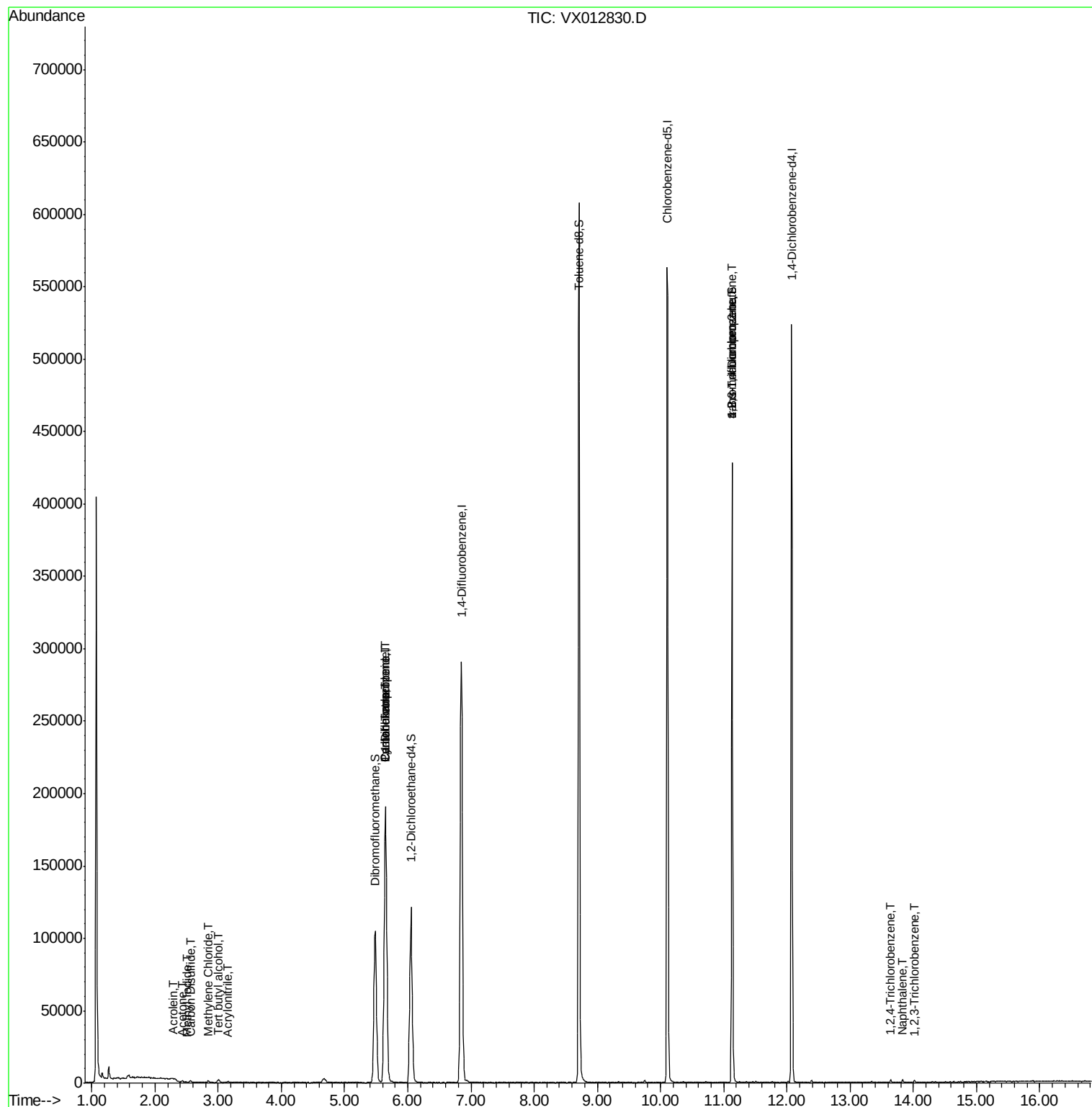
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	437	5.147	ug/l #	79
11) Tert butyl alcohol	3.01	59	1473	2.310	ug/l #	72
13) Acrolein	2.30	56	292	11.021	ug/l #	78
15) Acrylonitrile	3.14	53	353	0.273	ug/l #	75
16) Acetone	2.44	43	853	0.631	ug/l #	46
17) Carbon Disulfide	2.56	76	1491	0.282	ug/l #	84
20) Methylene Chloride	2.84	84	597	0.261	ug/l #	55
31) Cyclohexane	5.64	56	4061	1.143	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14128	4.910	ug/l #	51
38) Carbon Tetrachloride	5.65	117	18772	6.423	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	61088	22.007	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	61088	63.068	ug/l #	8
93) 1,2,4-Trichlorobenzene	13.65	180	486	0.229	ug/l	93
95) Naphthalene	13.84	128	1610	0.209	ug/l	97
96) 1,2,3-Trichlorobenzene	14.02	180	515	0.242	ug/l	97

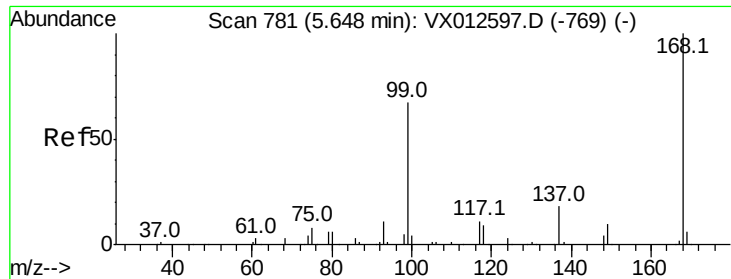
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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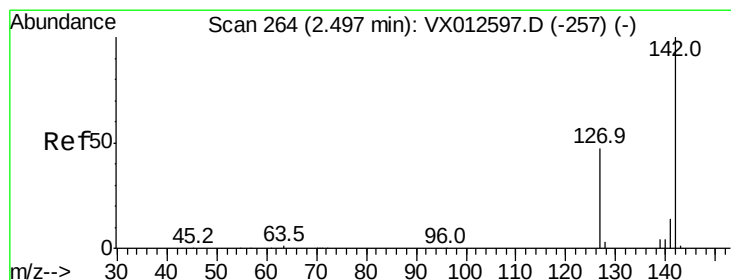
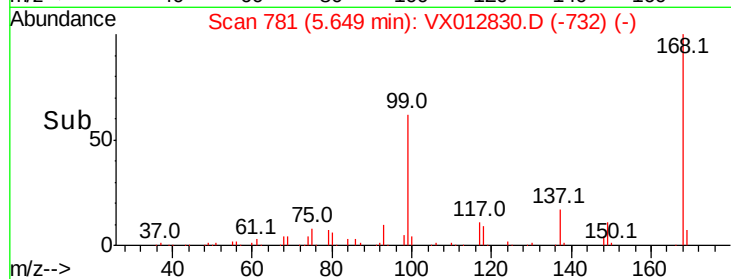
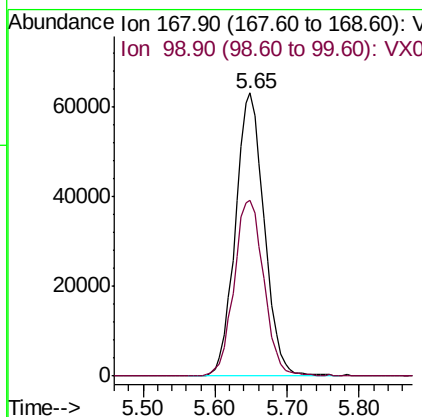
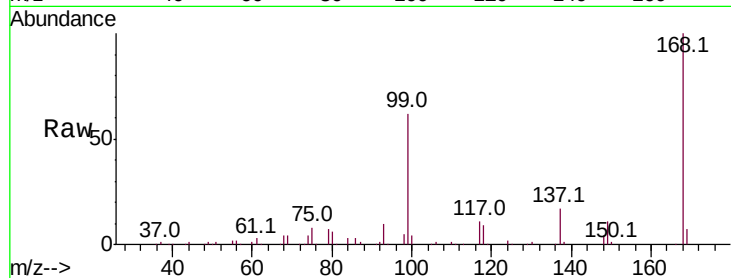




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.00 min
Lab File: VX012830.D
Acq: 07 Oct 2019 11:57

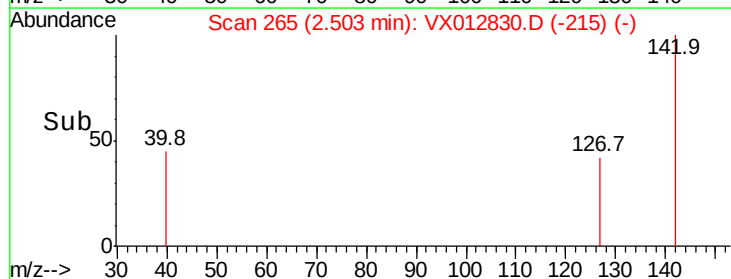
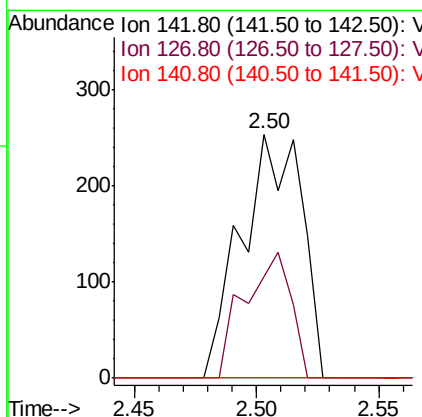
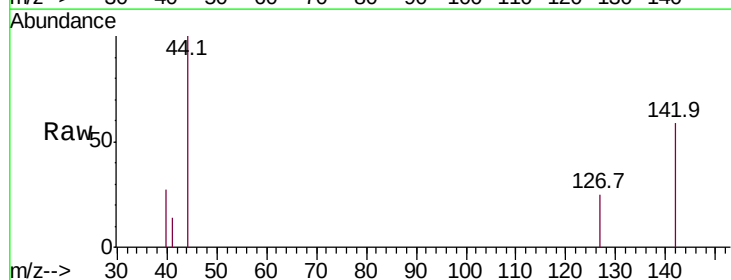
Instrument :
MSVOA_X
ClientSampleId :
VX1007WBL01

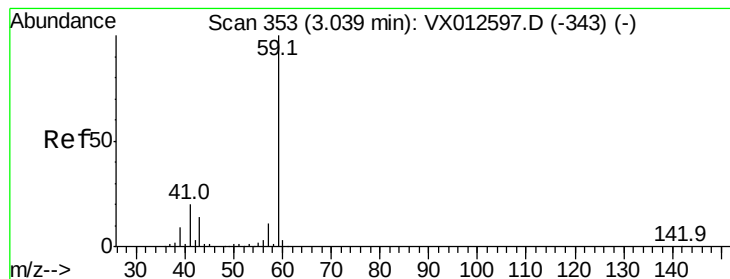
Tot Ion:168 Resp: 175278
Ion Ratio Lower Upper
168 100
99 62.1 51.4 77.2



#10
Methyl Iodide
Concen: 5.147 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX012830.D
Acq: 07 Oct 2019 11:57

Tgt Ion:142 Resp: 437
Ion Ratio Lower Upper
142 100
127 39.8 40.8 61.2#
141 0.0 12.1 18.1#



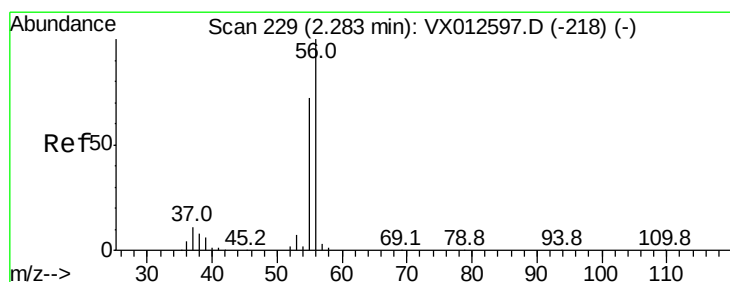
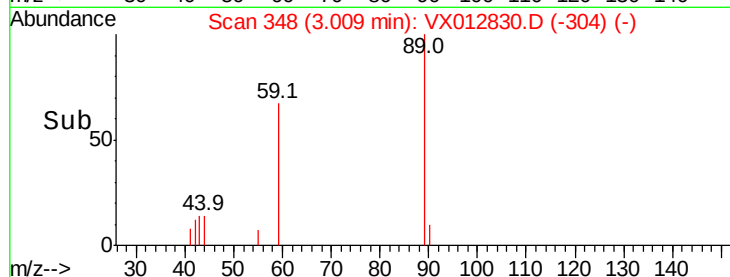
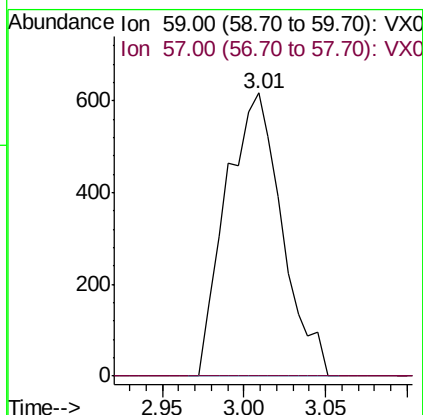
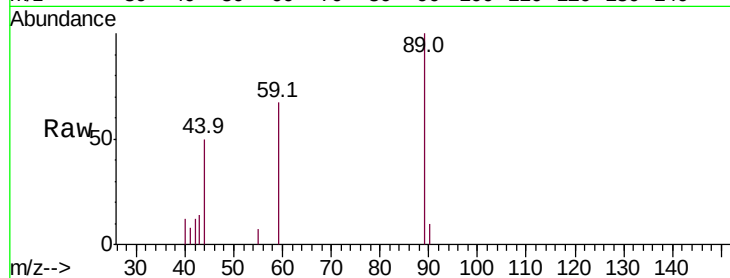


#11

Tert butyl alcohol
Concen: 2.310 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX012830.D
Acq: 07 Oct 2019 11:57

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBL01

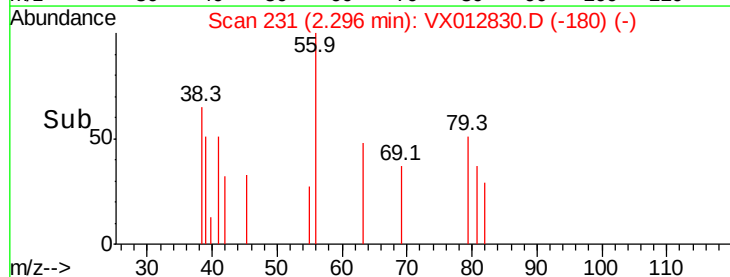
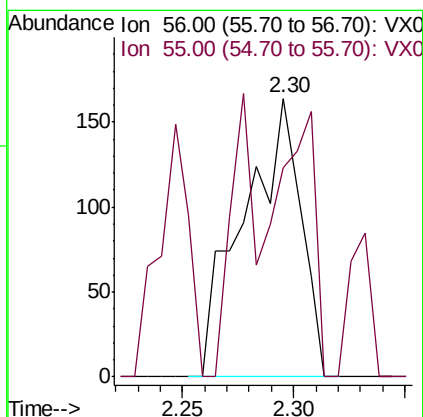
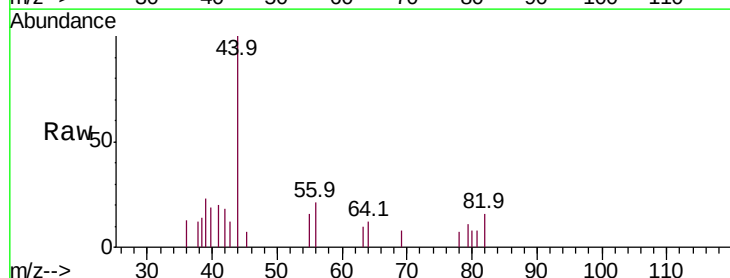
Tot Ion: 59 Resp: 1473
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

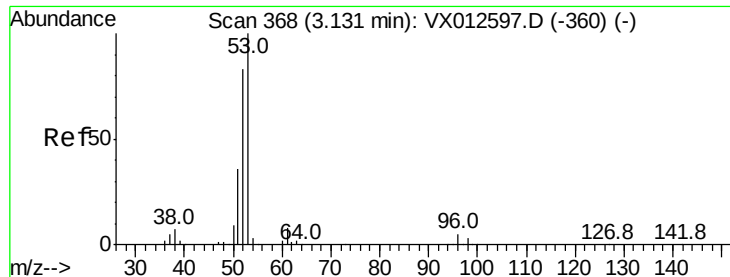


#13

Acrolein
Concen: 11.021 ug/l
RT: 2.30 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX012830.D
Acq: 07 Oct 2019 11:57

Tgt Ion: 56 Resp: 292
Ion Ratio Lower Upper
56 100
55 51.7 55.8 83.8#





#15

Acrylonitrile

Concen: 0.273 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX012830.D

Acq: 07 Oct 2019 11:57

Instrument :

MSVOA_X

ClientSampleId :

VX1007WBL01

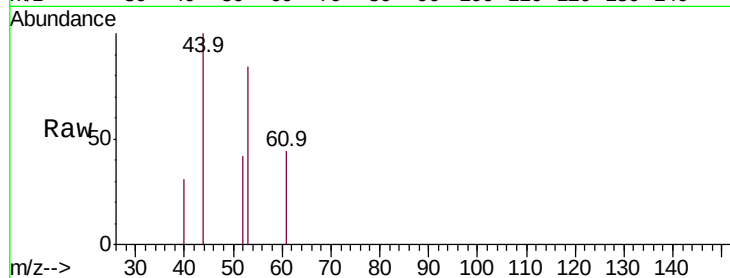
Tot Ion: 53 Resp: 353

Ion Ratio Lower Upper

53 100

52 75.4 67.0 100.4

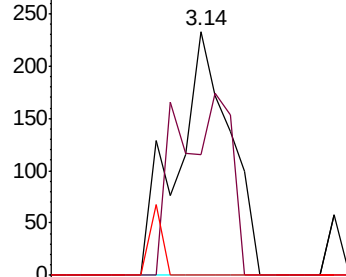
51 0.0 29.6 44.4#



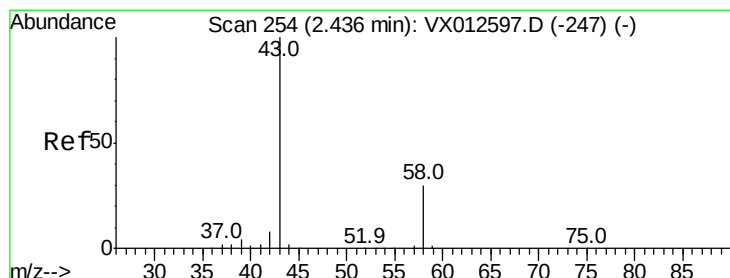
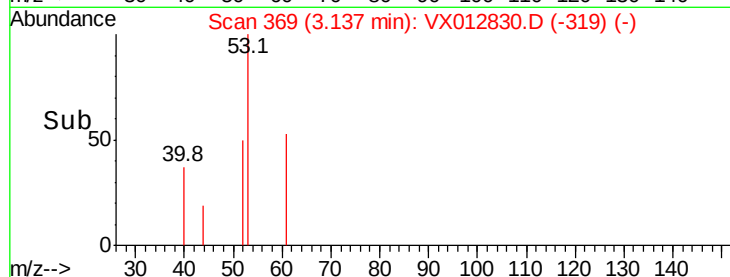
Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->



#16

Acetone

Concen: 0.631 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012830.D

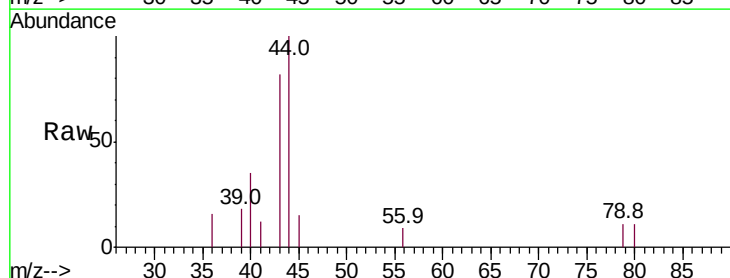
Acq: 07 Oct 2019 11:57

Tgt Ion: 43 Resp: 853

Ion Ratio Lower Upper

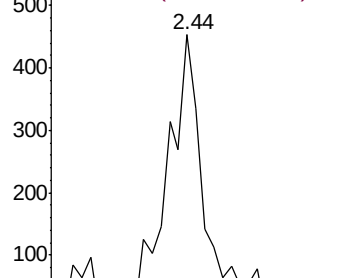
43 100

58 0.0 23.3 34.9#

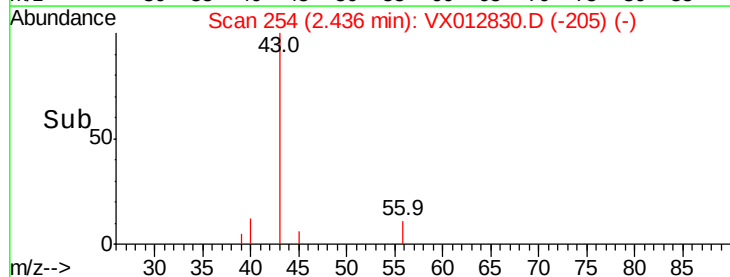


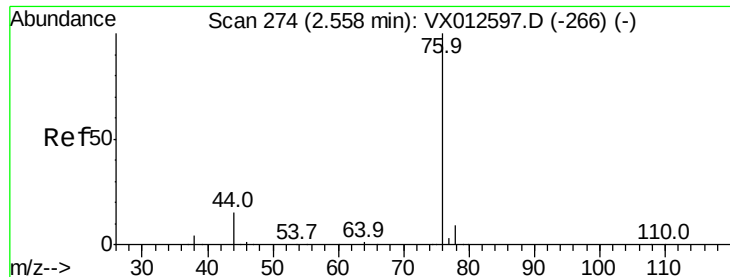
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->

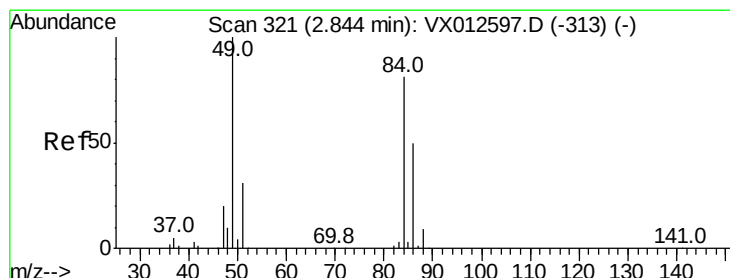
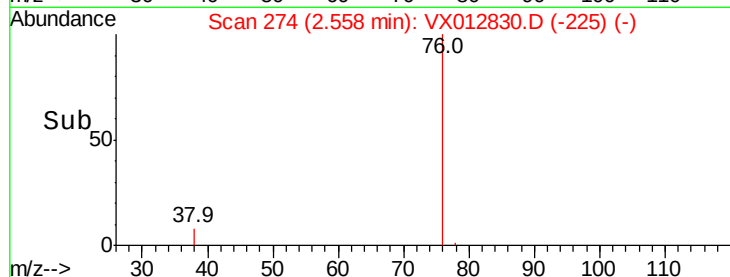
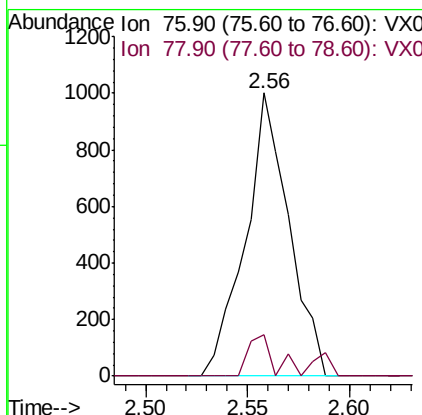
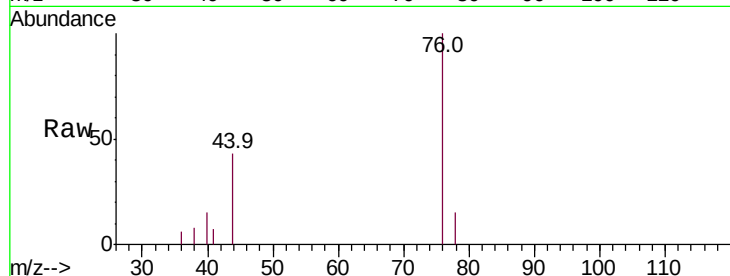




#17
Carbon Disulfide
Concen: 0.282 ug/l
RT: 2.56 min Scan# 274
Delta R.T. 0.00 min
Lab File: VX012830.D
Acq: 07 Oct 2019 11:57

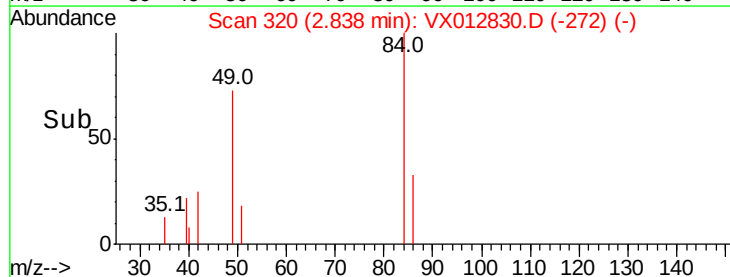
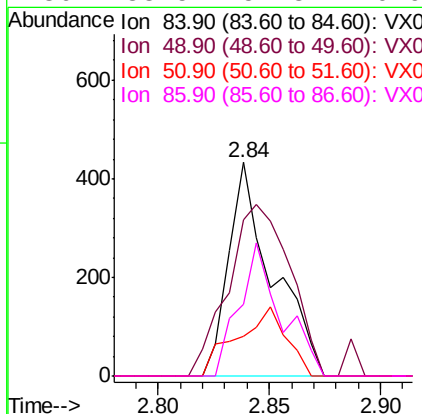
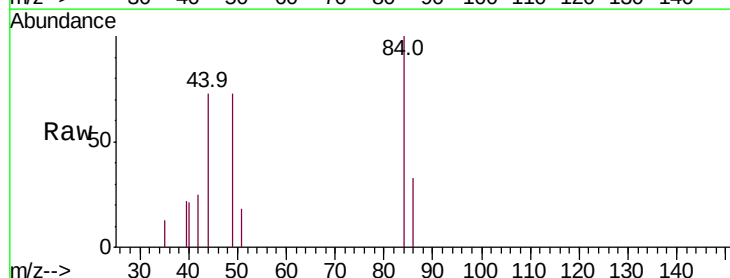
Instrument :
MSVOA_X
ClientSampleId :
VX1007WBL01

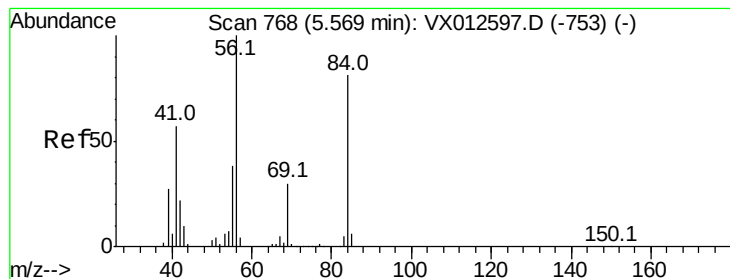
Tot Ion: 76 Resp: 1491
Ion Ratio Lower Upper
76 100
78 14.8 7.3 10.9#



#20
Methylene Chloride
Concen: 0.261 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.01 min
Lab File: VX012830.D
Acq: 07 Oct 2019 11:57

Tgt Ion: 84 Resp: 597
Ion Ratio Lower Upper
84 100
49 73.0 106.8 160.2#
51 18.5 32.3 48.5#
86 33.5 51.3 76.9#





#31

Cyclohexane

Concen: 1.143 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.07 min

Lab File: VX012830.D

Acq: 07 Oct 2019 11:57

Instrument :

MSVOA_X

ClientSampleId :

VX1007WBL01

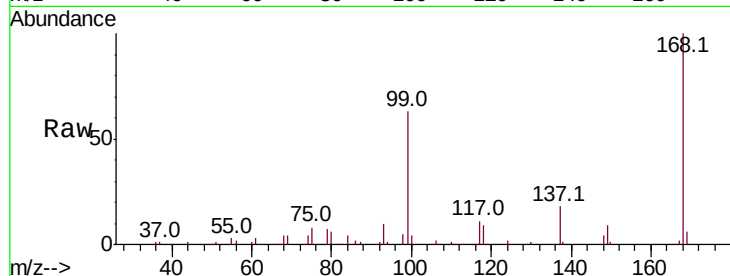
Tot Ion: 56 Resp: 4061

Ion Ratio Lower Upper

56 100

69 186.2 25.0 37.6#

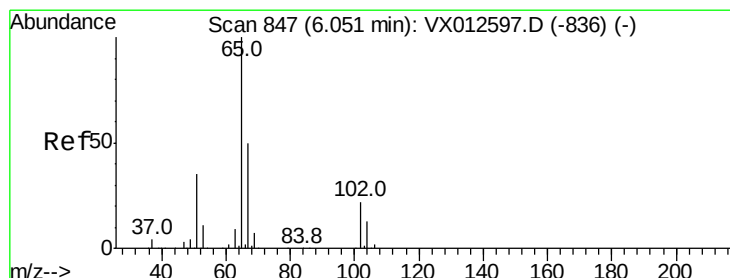
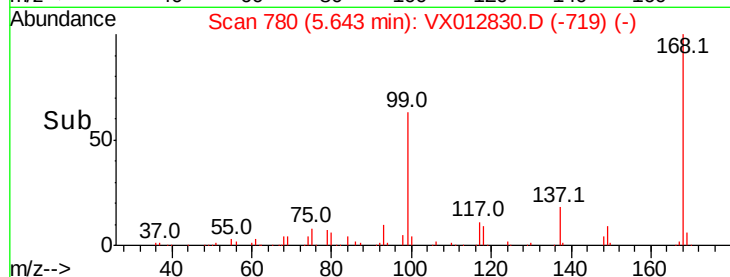
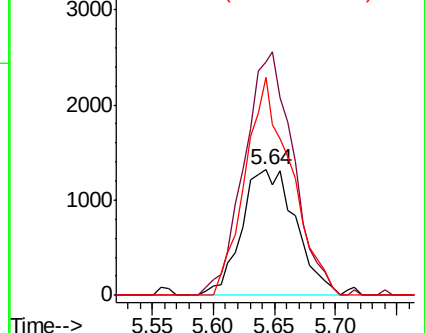
84 174.4 66.4 99.6#



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: 44.501 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX012830.D

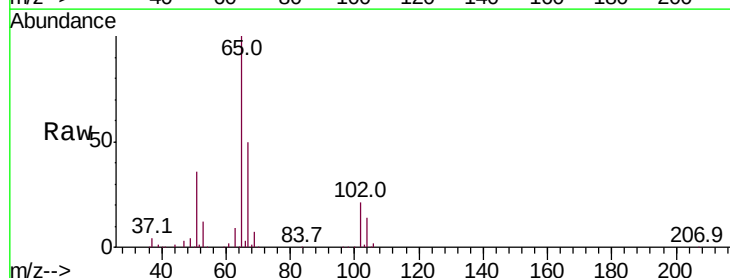
Acq: 07 Oct 2019 11:57

Tgt Ion: 65 Resp: 113585

Ion Ratio Lower Upper

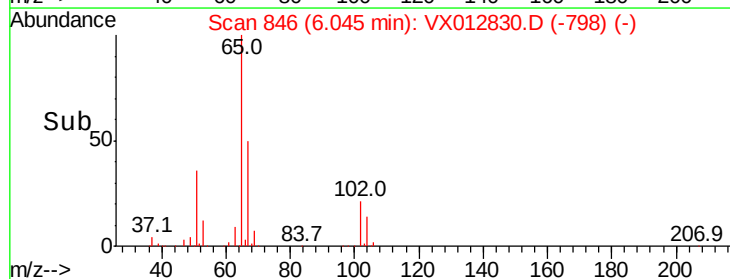
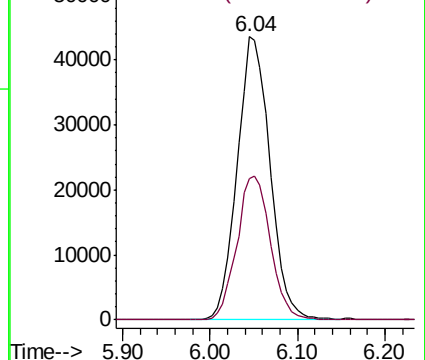
65 100

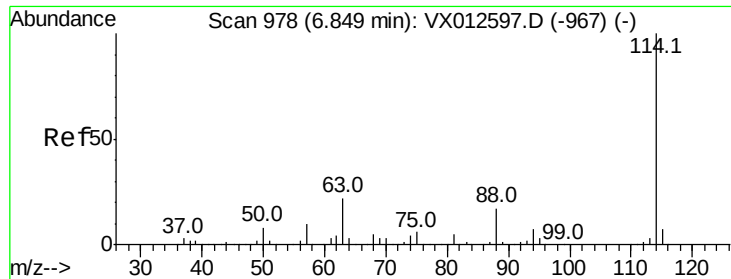
67 52.1 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

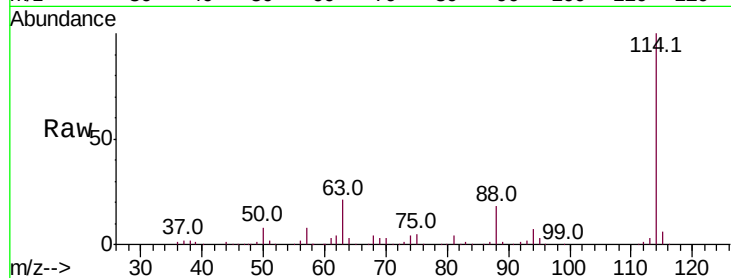




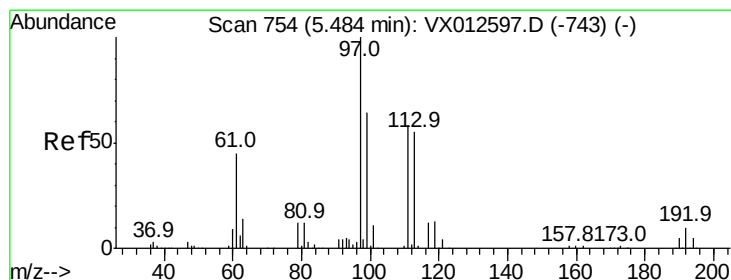
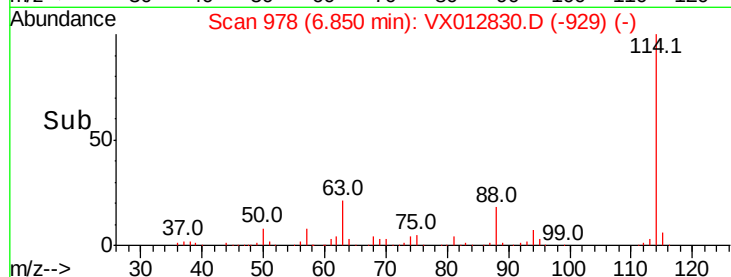
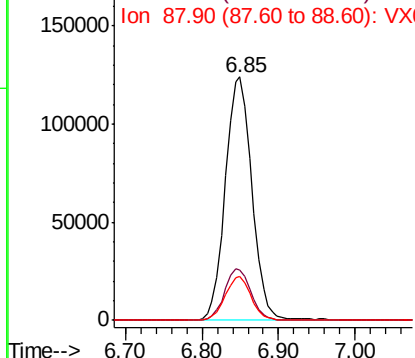
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX012830.D
Acq: 07 Oct 2019 11:57

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBL01

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	43.2
88	18.2	0.0	33.2

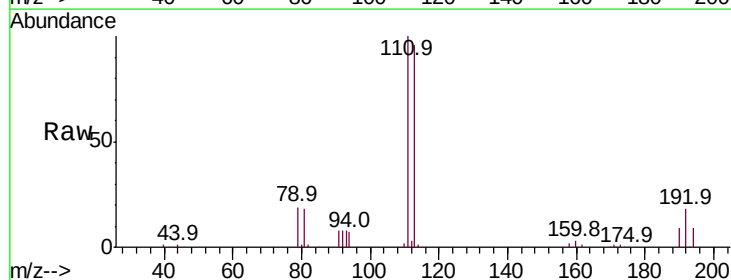


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

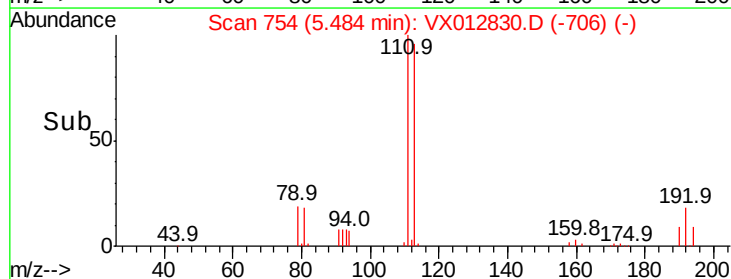
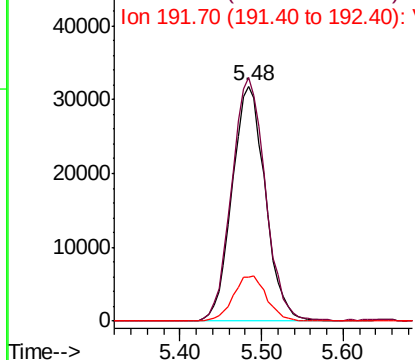


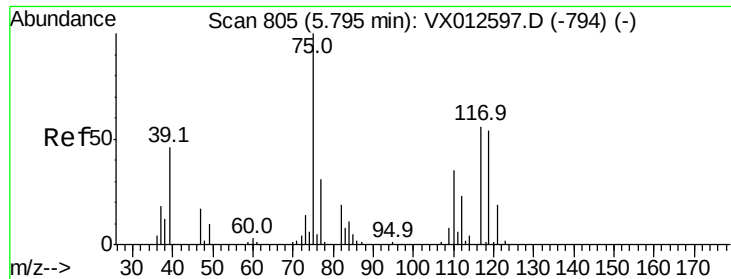
#35
Dibromofluoromethane
Concen: 50.415 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX012830.D
Acq: 07 Oct 2019 11:57

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.8	83.4	125.2
192	19.5	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

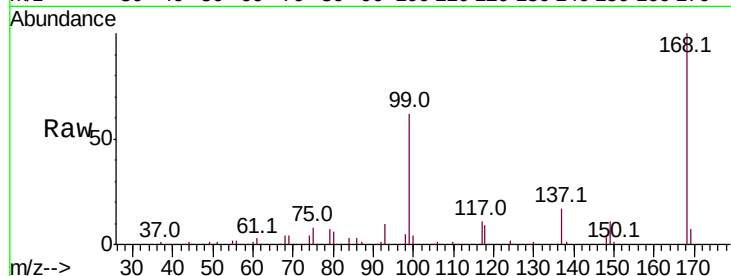




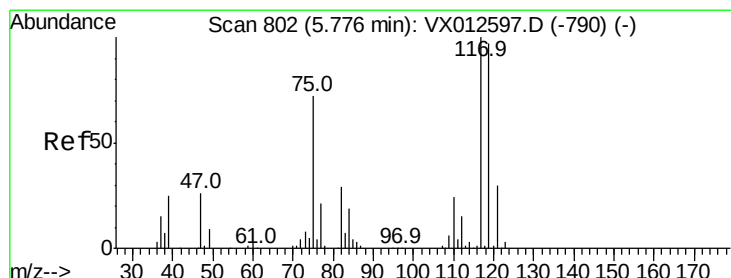
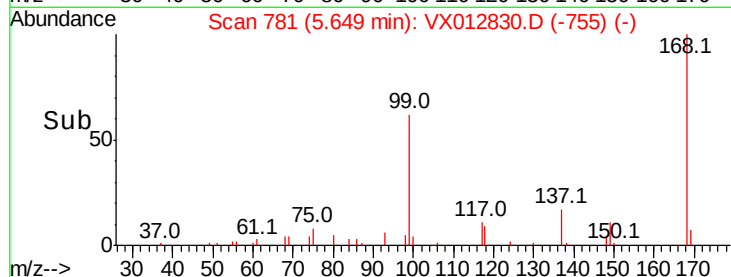
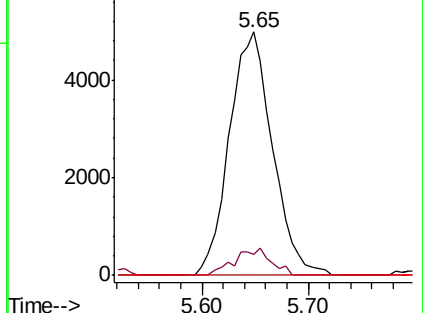
#36
 1,1-Dichloropropene
 Concen: 4.910 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012830.D
 Acq: 07 Oct 2019 11:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1007WBL01

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	16.7	50.0#
77	0.0	24.2	36.2#

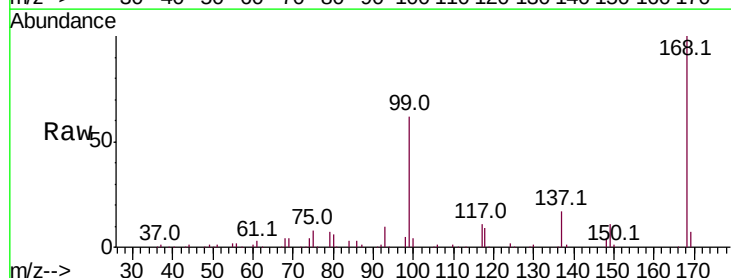


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

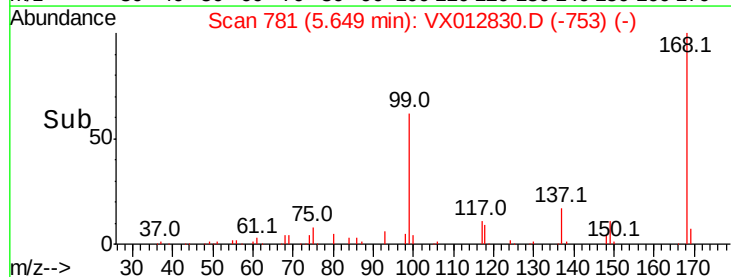
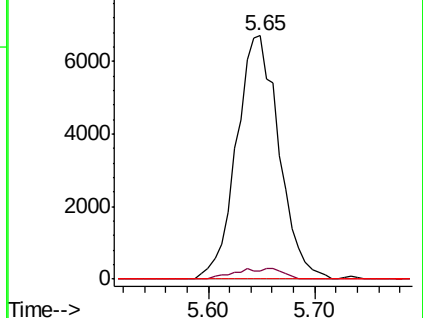


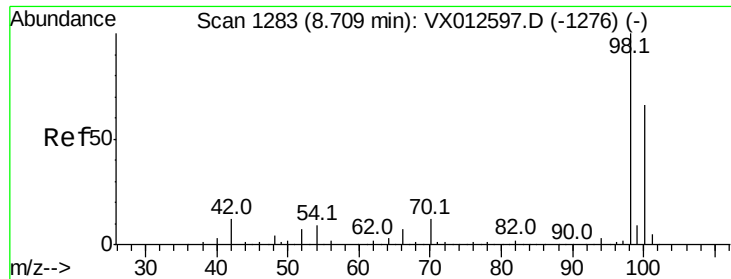
#38
 Carbon Tetrachloride
 Concen: 6.423 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX012830.D
 Acq: 07 Oct 2019 11:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.4	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





#50

Toluene-d8

Concen: 51.217 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012830.D

Acq: 07 Oct 2019 11:57

Instrument :

MSVOA_X

ClientSampled :

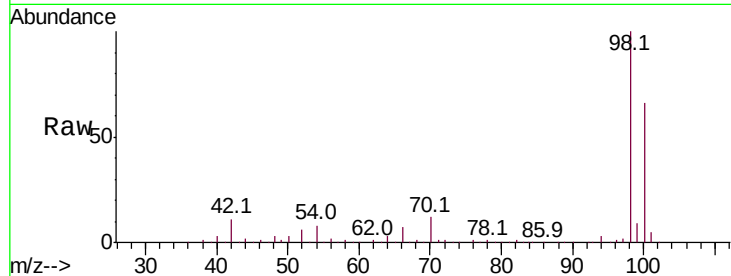
VX1007WBL01

Tot Ion: 98 Resp: 350631

Ion Ratio Lower Upper

98 100

100 66.8 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

250000

200000

150000

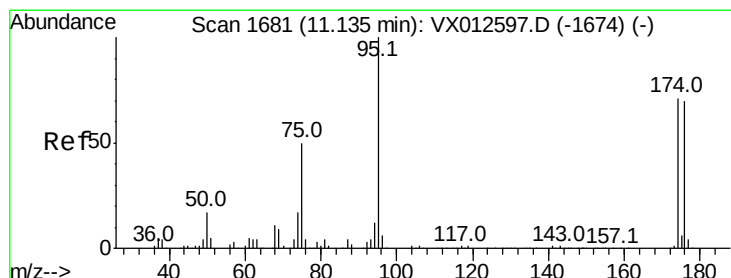
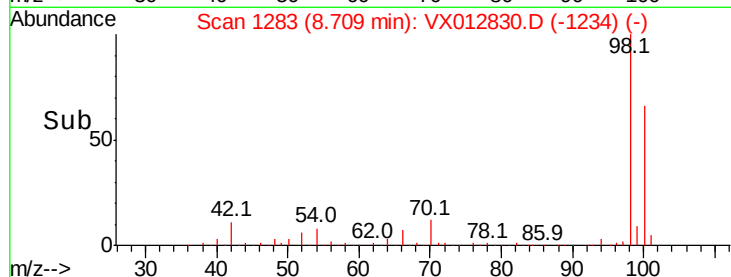
100000

50000

0

Time-->

8.60 8.70 8.80 8.90



#62

4-Bromofluorobenzene

Concen: 46.543 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012830.D

Acq: 07 Oct 2019 11:57

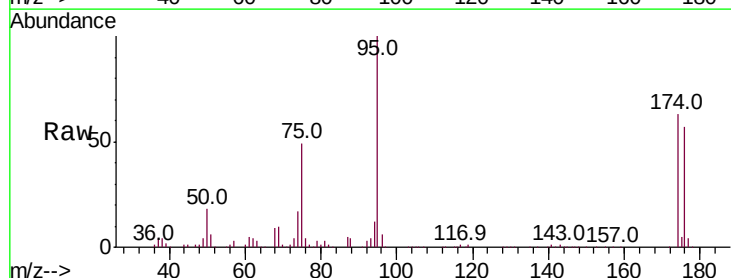
Tgt Ion: 95 Resp: 125287

Ion Ratio Lower Upper

95 100

174 69.5 0.0 140.0

176 66.1 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

120000

100000

80000

60000

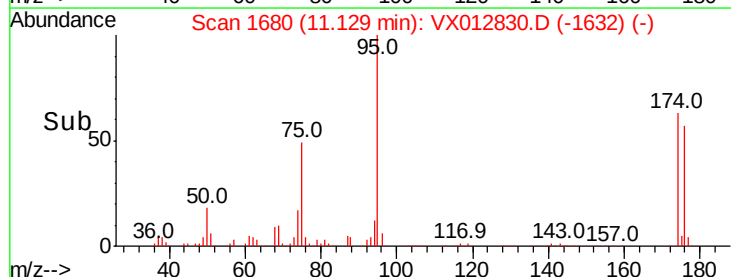
40000

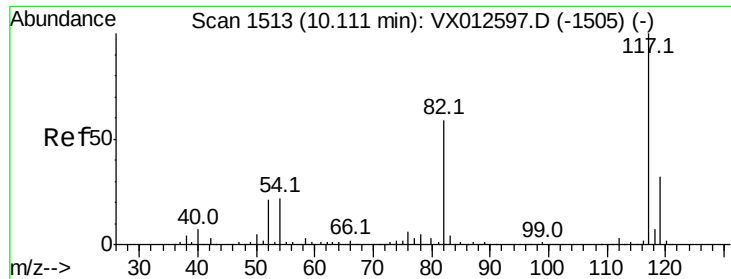
20000

0

Time-->

11.10 11.20

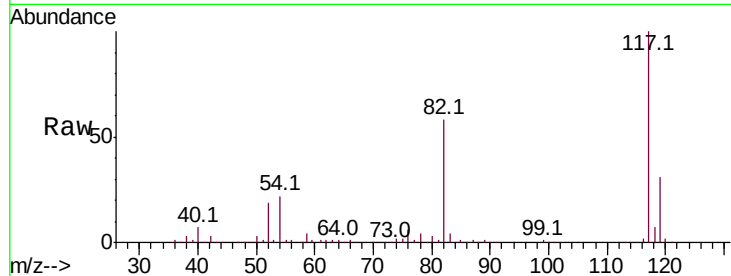




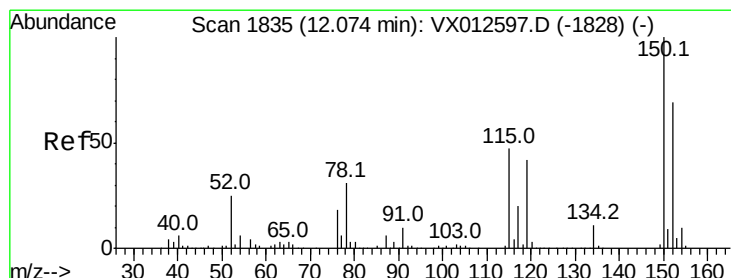
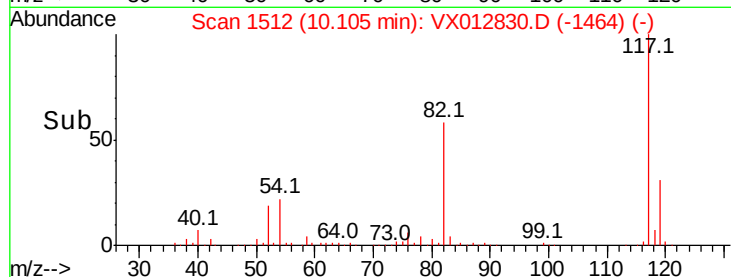
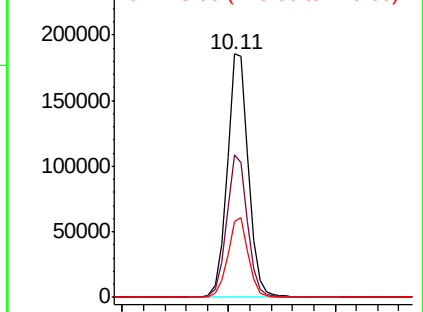
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX012830.D
Acq: 07 Oct 2019 11:57

Instrument :
MSVOA_X
ClientSampleId :
VX1007WBL01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.4	45.9	68.9
119	31.2	25.3	37.9

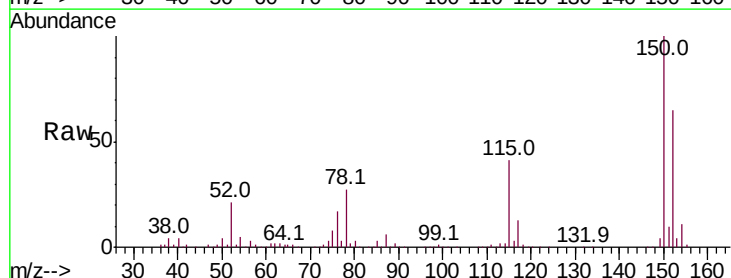


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

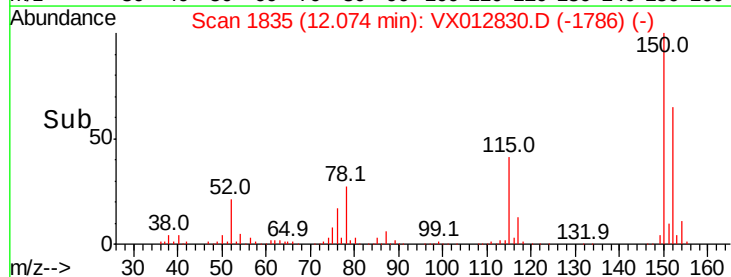
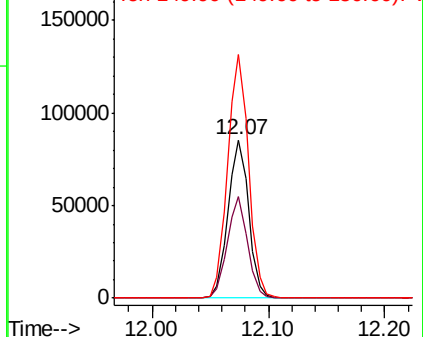


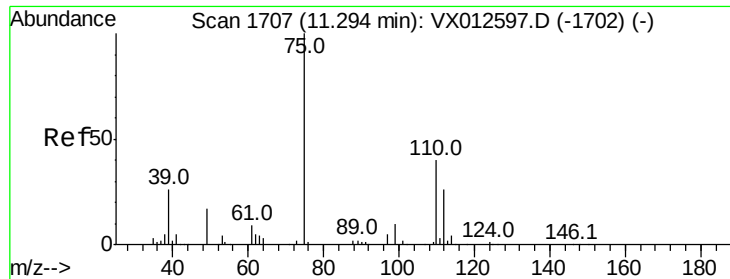
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012830.D
Acq: 07 Oct 2019 11:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.8	44.1	132.3
150	156.3	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: 22.007 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012830.D

Acq: 07 Oct 2019 11:57

Instrument :

MSVOA_X

ClientSampled :

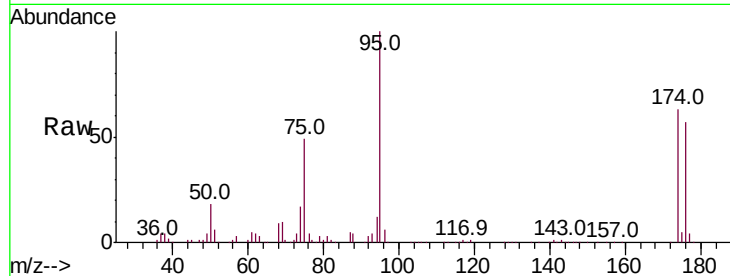
VX1007WBL01

Tot Ion: 75 Resp: 61088

Ion Ratio Lower Upper

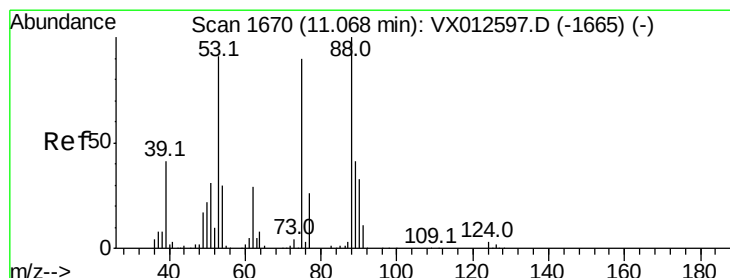
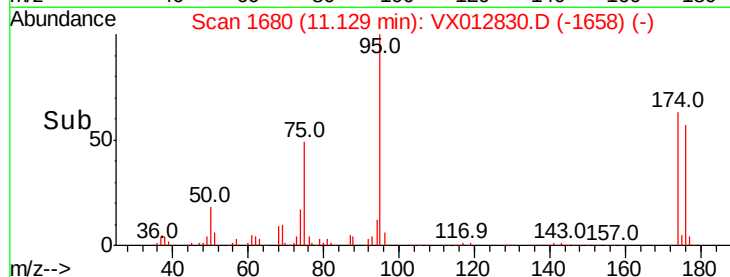
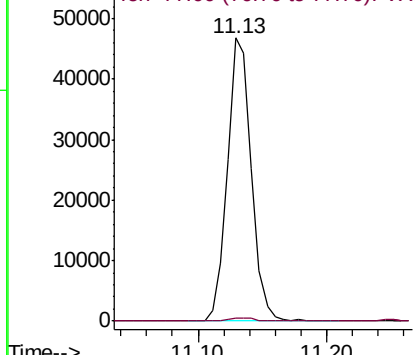
75 100

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: 63.068 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012830.D

Acq: 07 Oct 2019 11:57

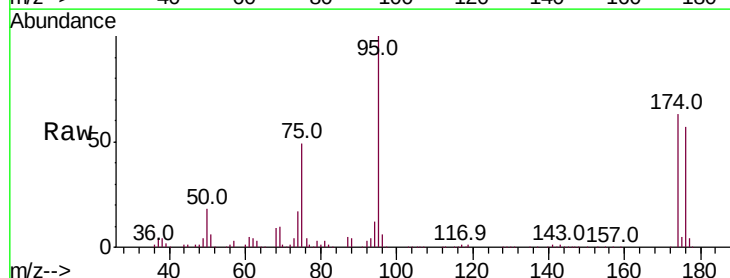
Tgt Ion: 75 Resp: 61088

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

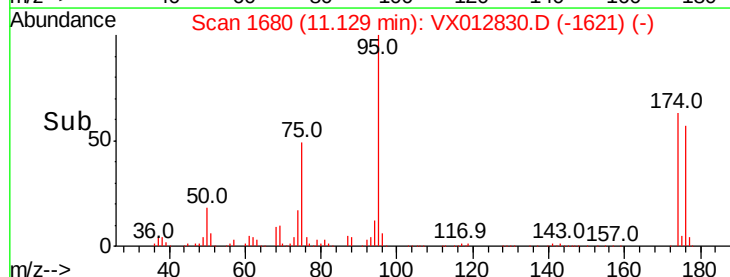
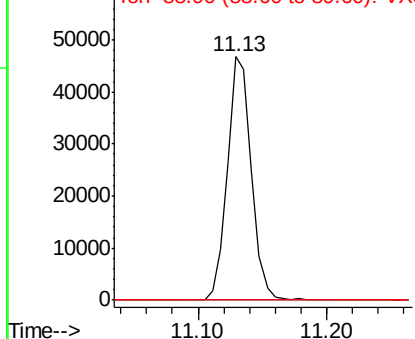
89 0.0 36.3 54.5#

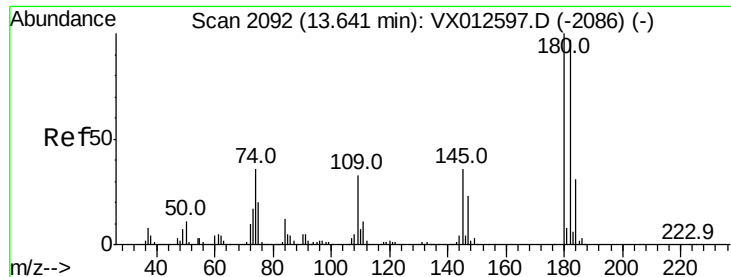


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#93

1,2,4-Trichlorobenzene

Concen: 0.229 ug/l

RT: 13.65 min Scan# 2093

Delta R.T. 0.01 min

Lab File: VX012830.D

Acq: 07 Oct 2019 11:57

Instrument :

MSVOA_X

ClientSampleId :

VX1007WBL01

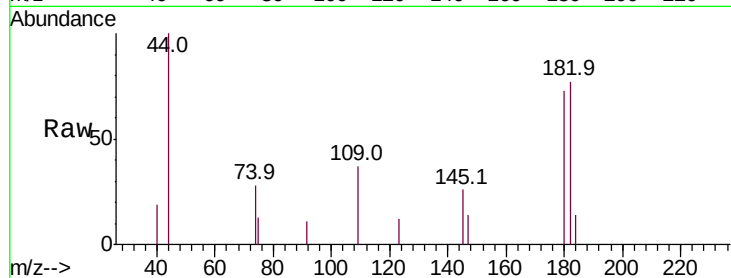
Tot Ion:180 Resp: 486

Ion Ratio Lower Upper

180 100

182 91.6 47.0 141.0

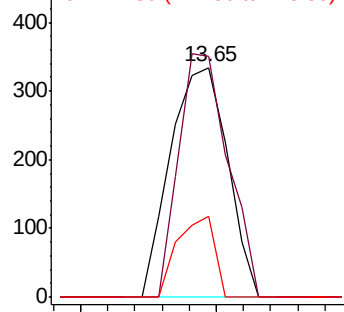
145 22.6 16.8 50.4



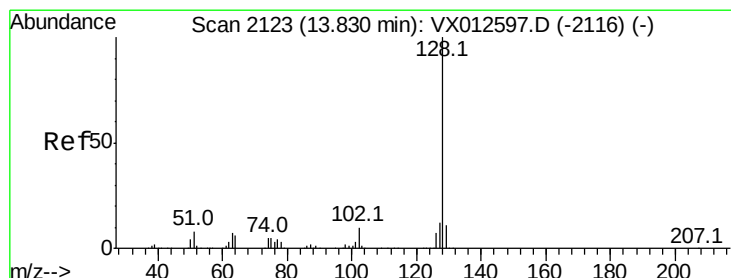
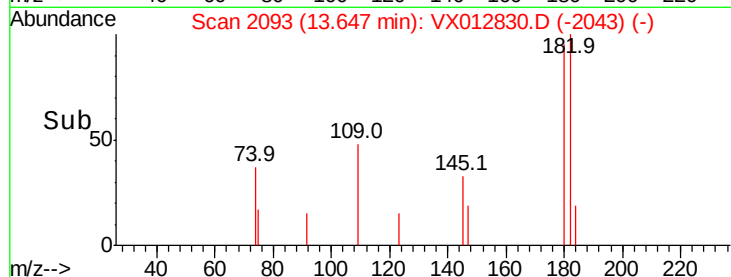
Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



Time-->



#95

Naphthalene

Concen: 0.209 ug/l

RT: 13.84 min Scan# 2124

Delta R.T. 0.01 min

Lab File: VX012830.D

Acq: 07 Oct 2019 11:57

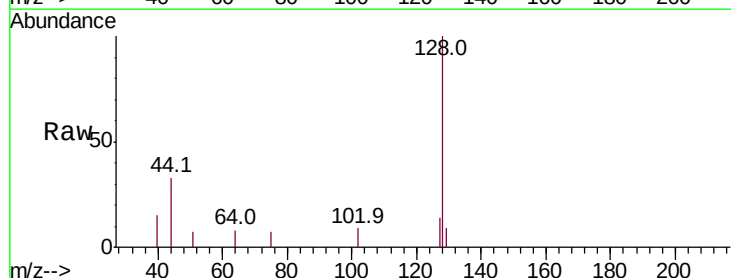
Tgt Ion:128 Resp: 1610

Ion Ratio Lower Upper

128 100

127 10.9 10.2 15.4

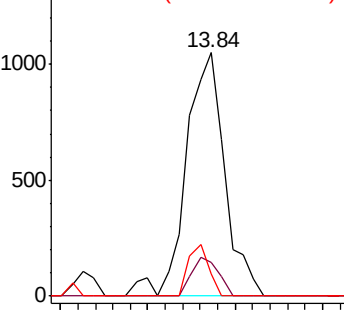
129 11.2 8.8 13.2



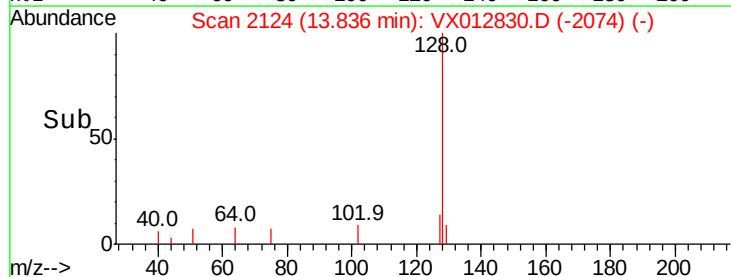
Abundance Ion 128.00 (127.70 to 128.70): V

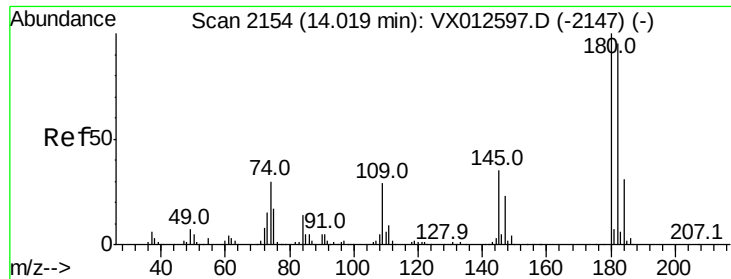
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->





#96
 1,2,3-Trichlorobenzene
 Concen: 0.242 ug/l
 RT: 14.02 min Scan# 2154
 Delta R.T. 0.01 min
 Lab File: VX012830.D
 Acq: 07 Oct 2019 11:57

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1007WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.6	47.1	141.3
145	31.7	18.0	54.0

