

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 :

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%	

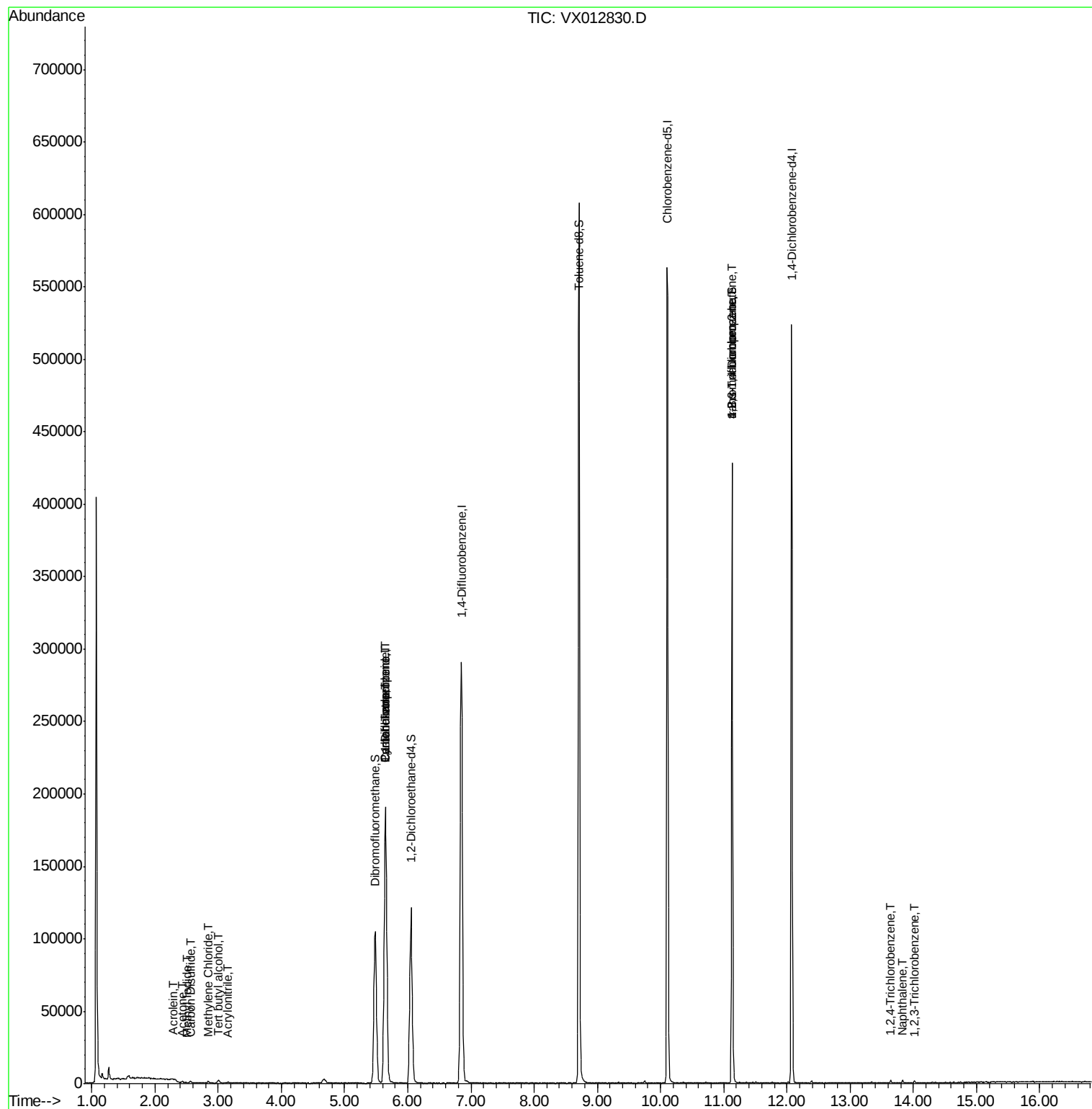
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	437	5.147	ug/l #	79
11) Tert butyl alcohol	3.01	59	1473	2.310	ug/l #	72
13) Acrolein	2.30	56	292	11.021	ug/l #	78
15) Acrylonitrile	3.14	53	353	0.273	ug/l #	75
16) Acetone	2.44	43	853	0.631	ug/l #	46
17) Carbon Disulfide	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

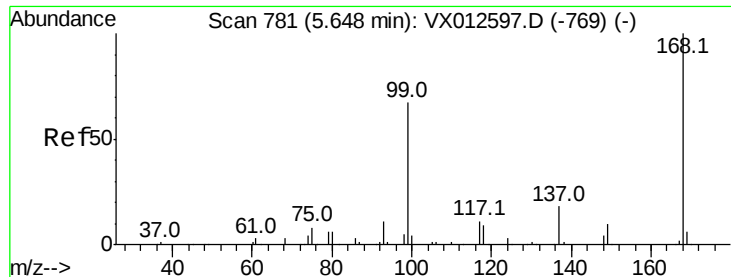
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 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: VX012830.D

Acq: 07 Oct 2019 11:57

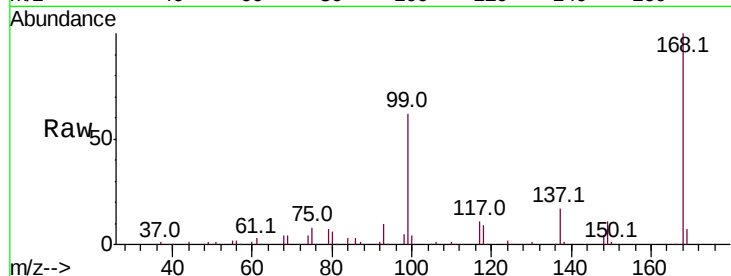
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 175278

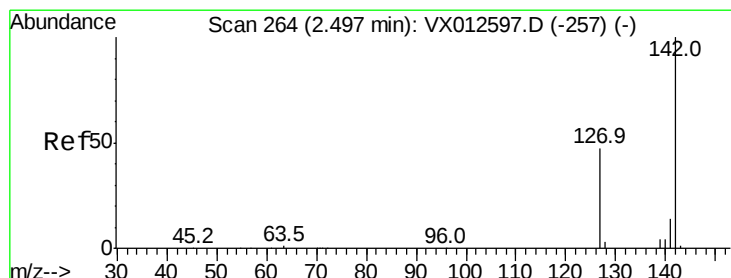
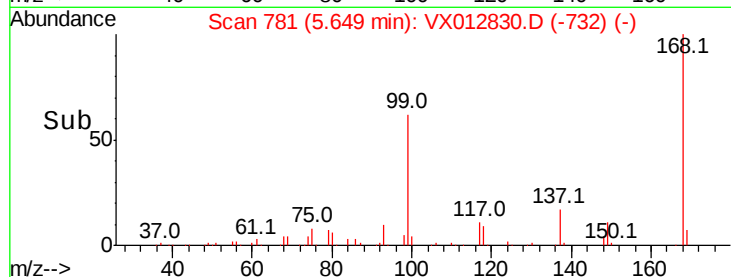
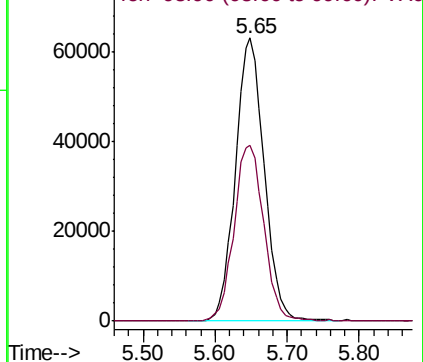
Ion Ratio Lower Upper

168 100

99 62.1 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VX0



#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

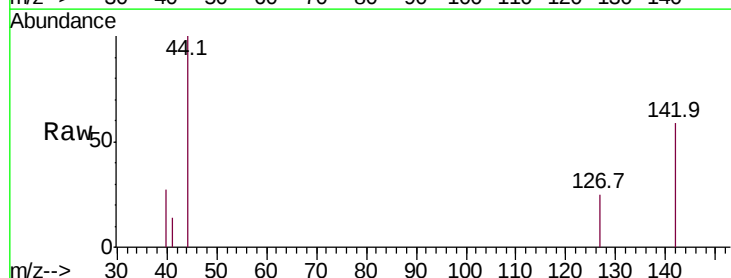
Tgt Ion:142 Resp: 437

Ion Ratio Lower Upper

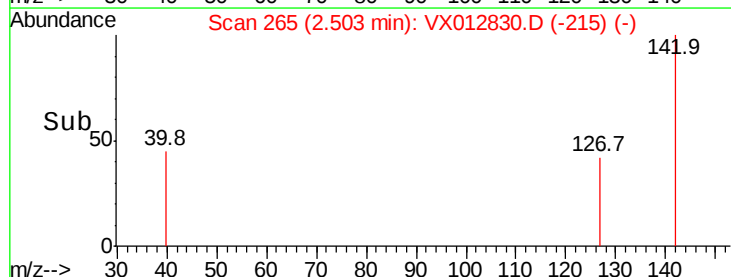
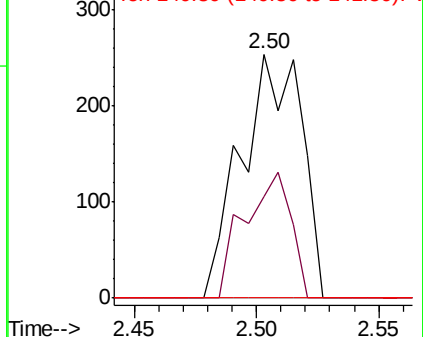
142 100

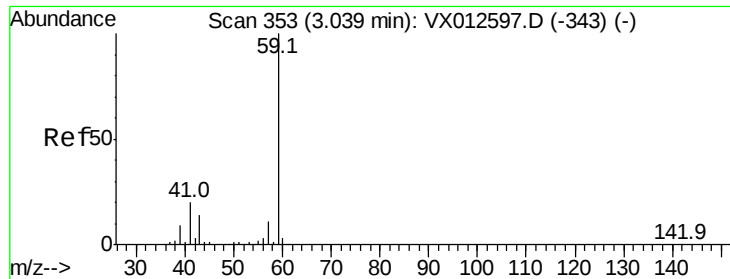
127 39.8 40.8 61.2#

141 0.0 12.1 18.1#



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

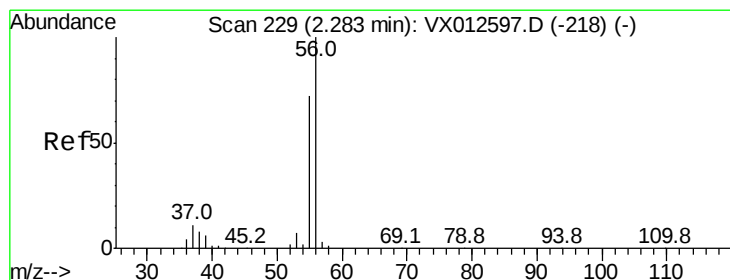
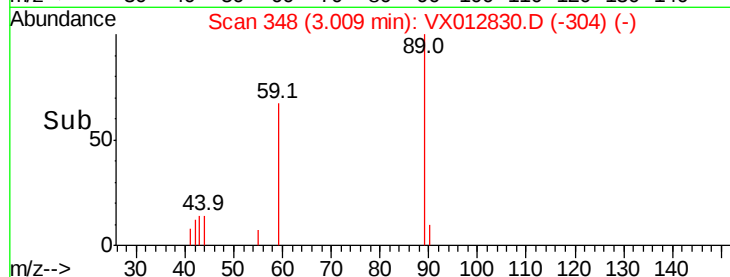
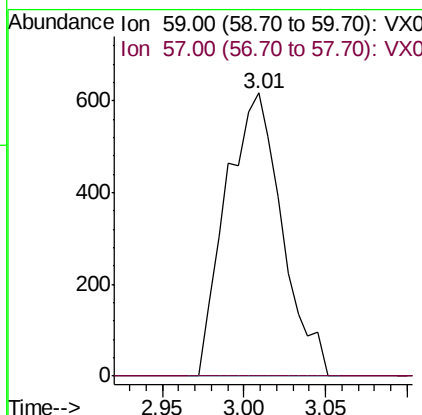
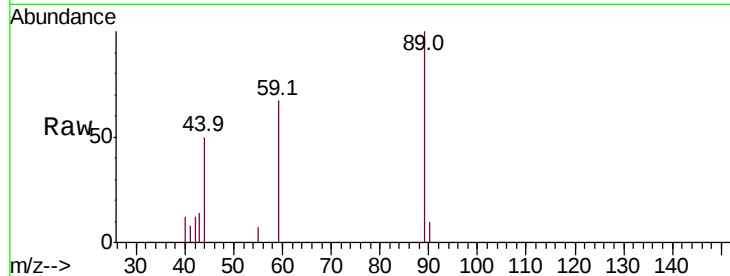




#11
Tert butyl alcohol
Concen: 2.310 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX012830.D
Acq: 07 Oct 2019 11:57

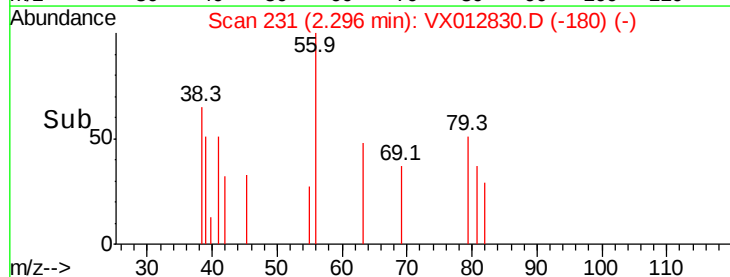
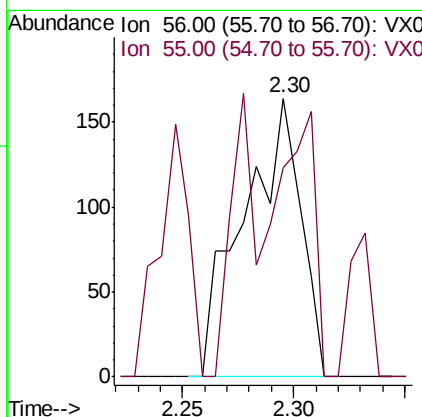
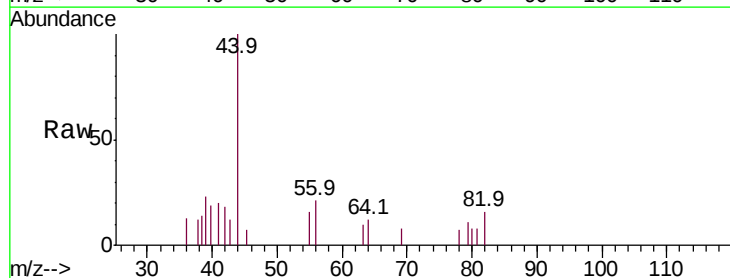
Instrument :
MSVOA_X
ClientSampled :

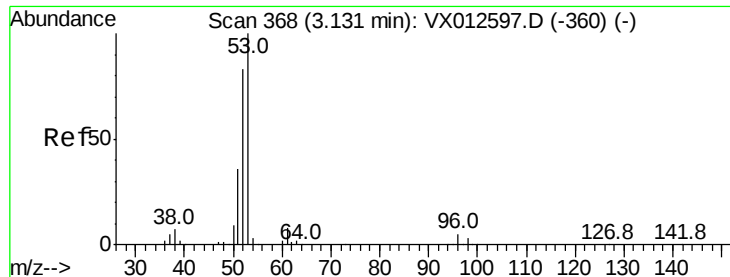
Tot Ion: 59 Resp: 1473
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#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

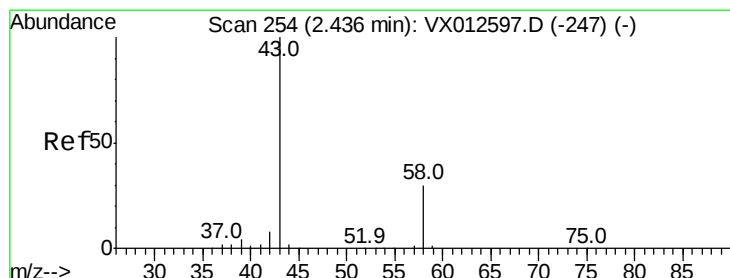
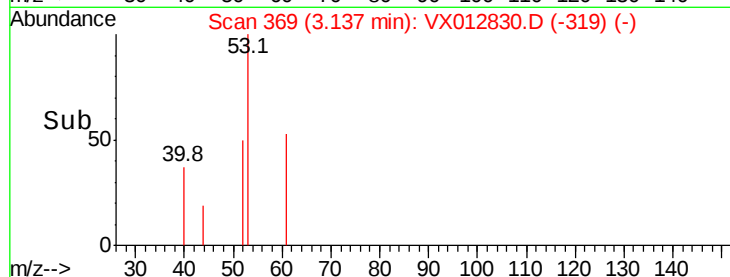
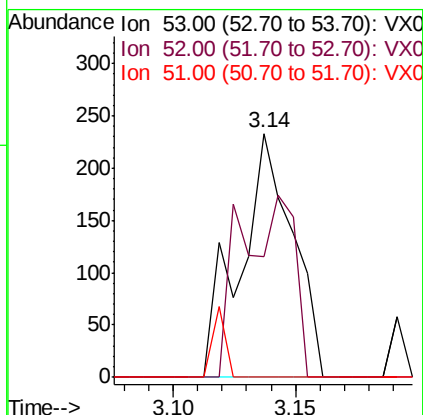
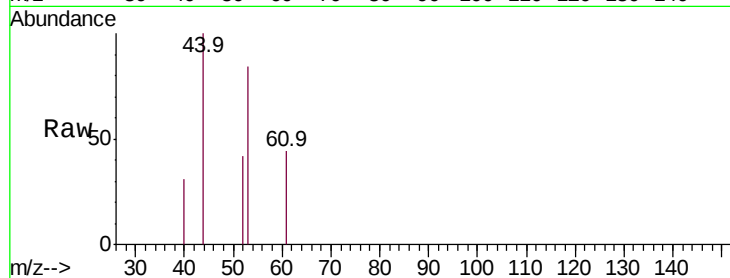
Lab File: VX012830.D

Acq: 07 Oct 2019 11:57

Instrument :
MSVOA_X
ClientSampled :

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#



#16

Acetone

Concen: 0.631 ug/l

RT: 2.44 min Scan# 254

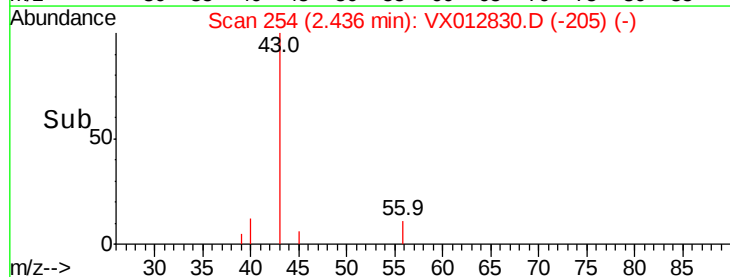
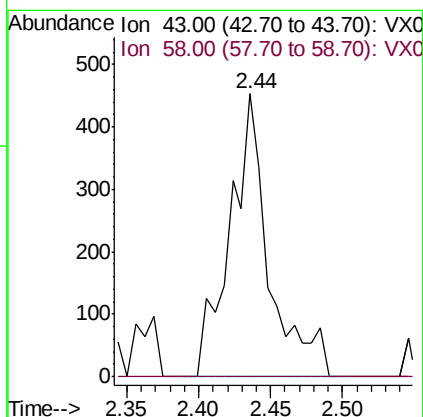
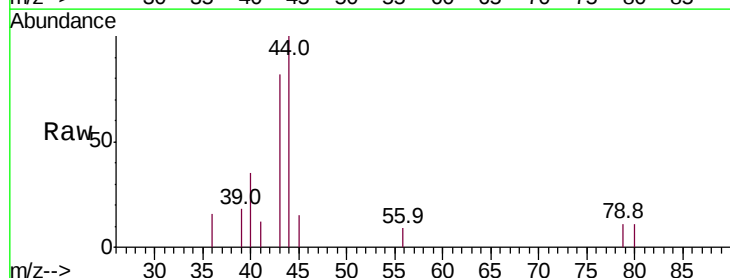
Delta R.T. 0.00 min

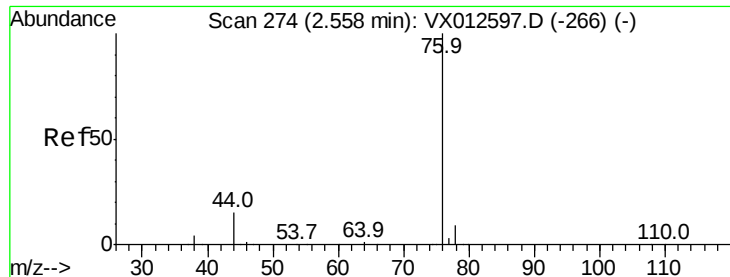
Lab File: VX012830.D

Acq: 07 Oct 2019 11:57

Tgt Ion: 43 Resp: 853

Ion	Ratio	Lower	Upper
43	100		
58	0.0	23.3	34.9#





#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

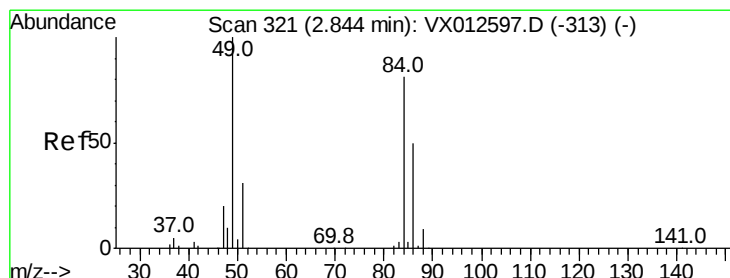
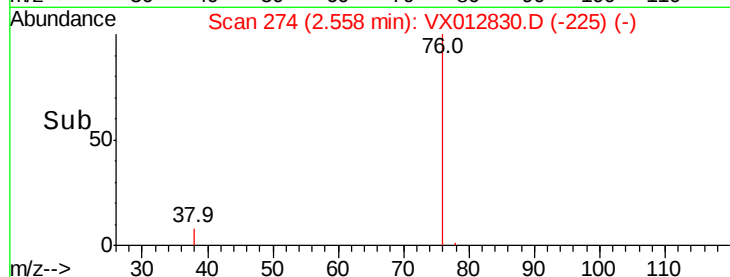
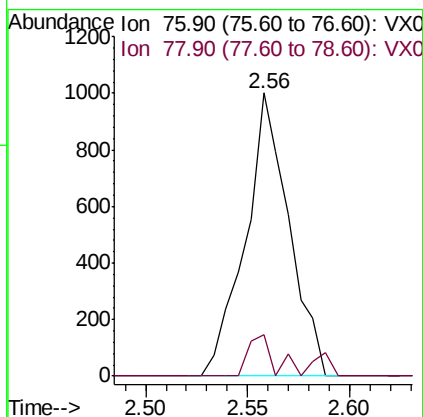
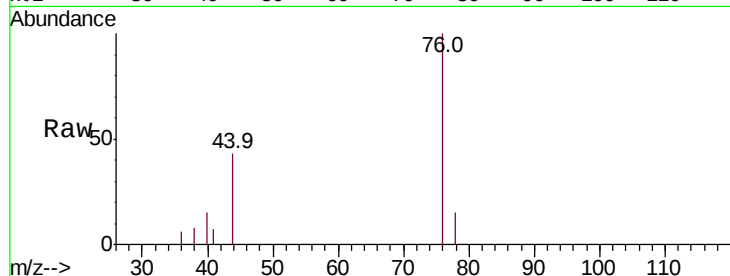
ClientSampled :

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

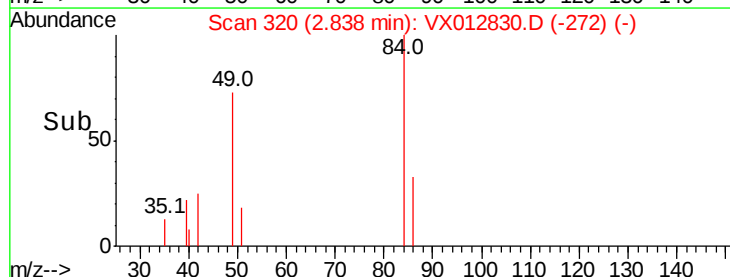
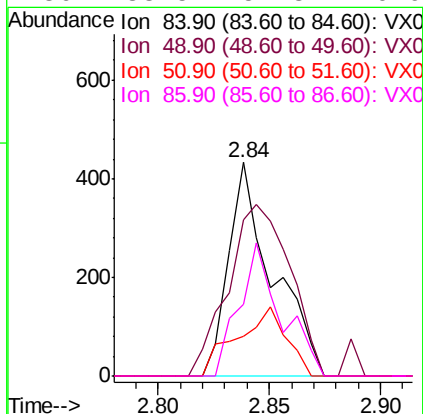
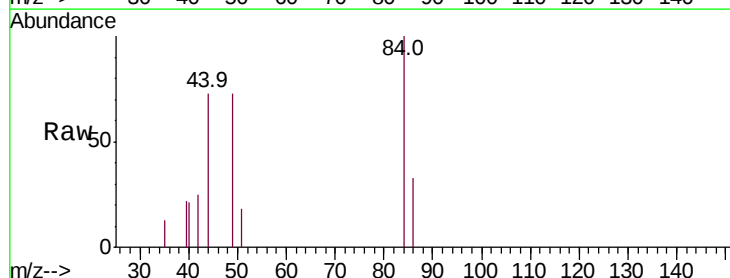
Ion Ratio Lower Upper

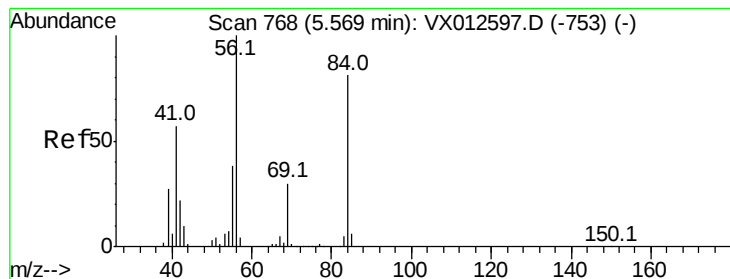
84 100

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

ClientSampled :

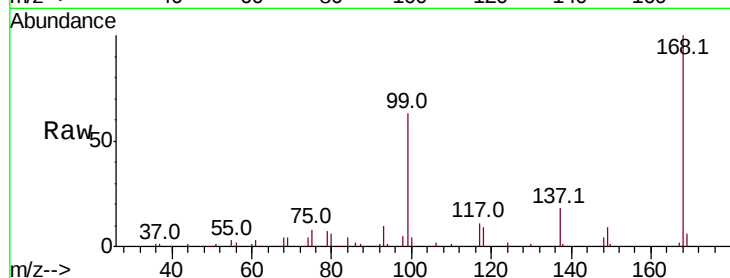
Tot Ion: 56 Resp: 4061

Ion Ratio Lower Upper

56 100

69 186.2 25.0 37.6#

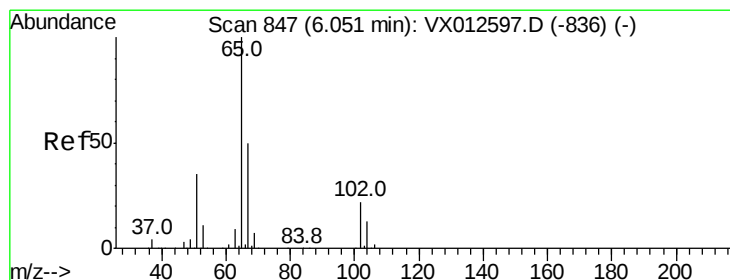
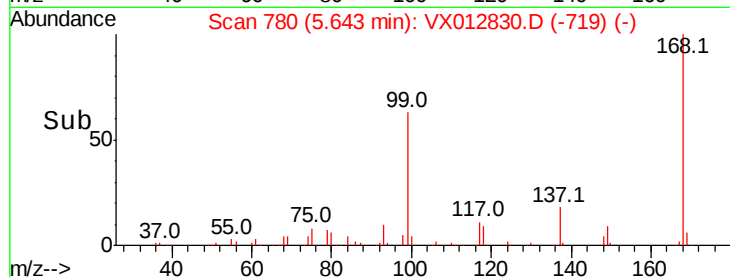
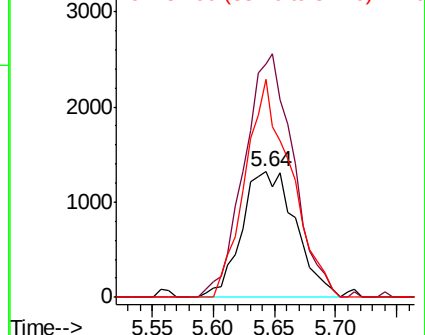
84 174.4 66.4 99.6#



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

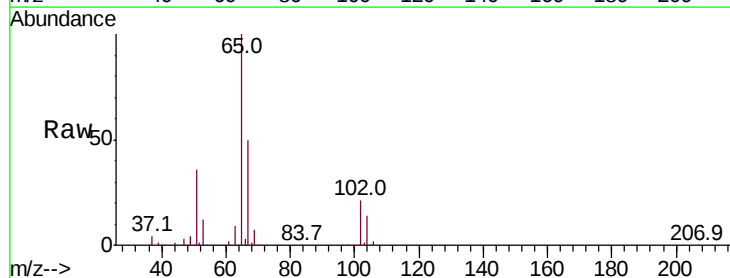
Acq: 07 Oct 2019 11:57

Tgt Ion: 65 Resp: 113585

Ion Ratio Lower Upper

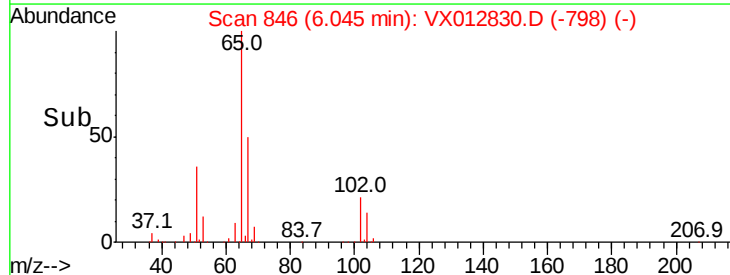
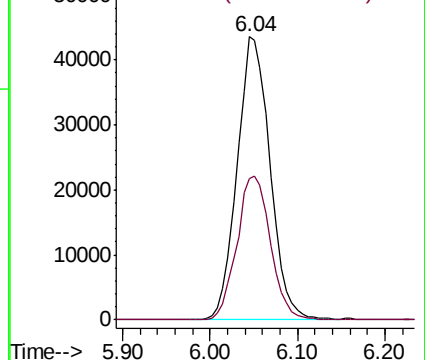
65 100

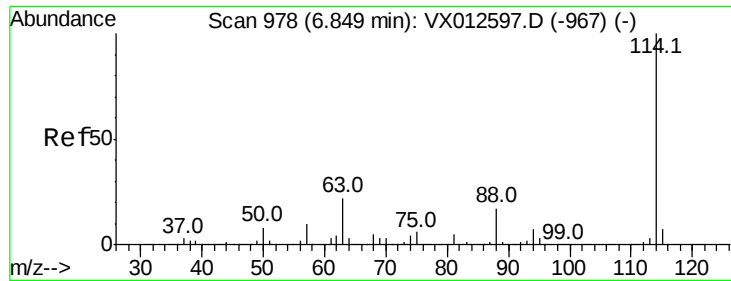
67 52.1 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

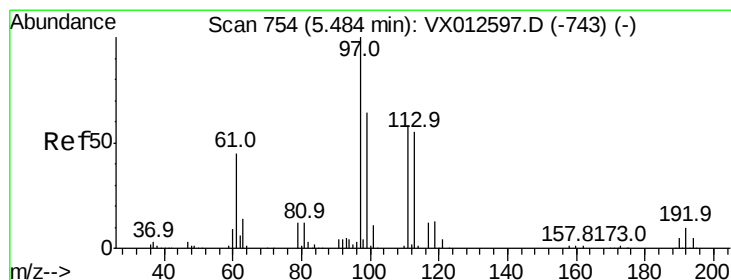
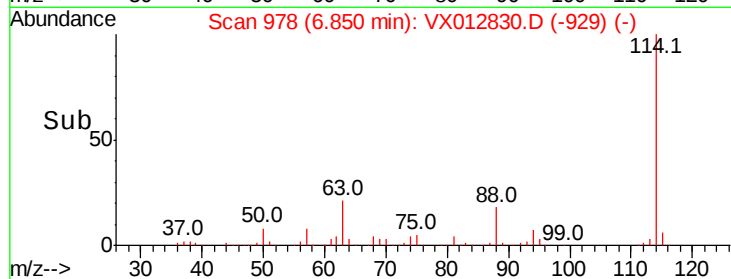
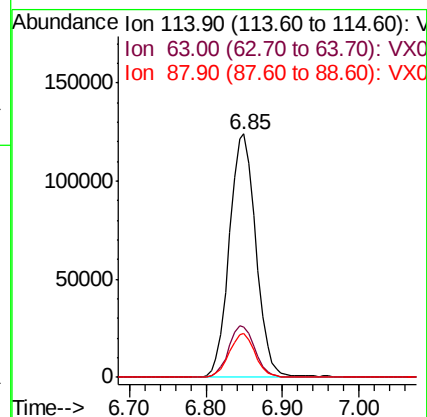
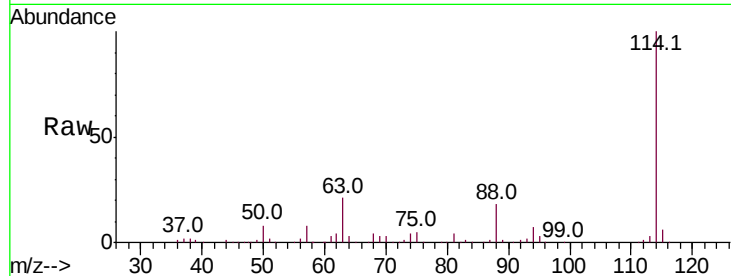




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012830.D
 Acq: 07 Oct 2019 11:57

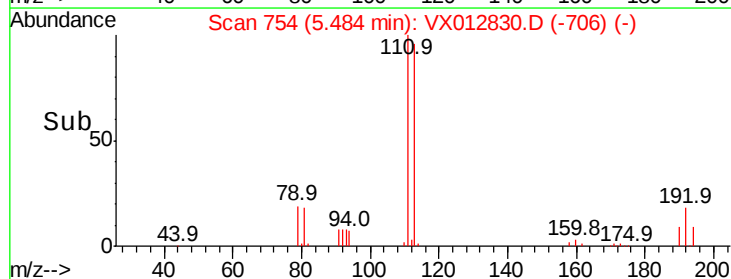
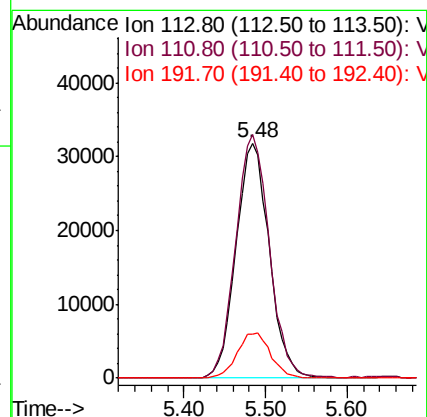
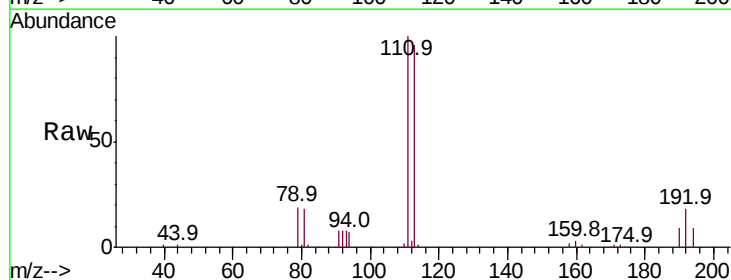
Instrument :
 MSVOA_X
 ClientSampleId :

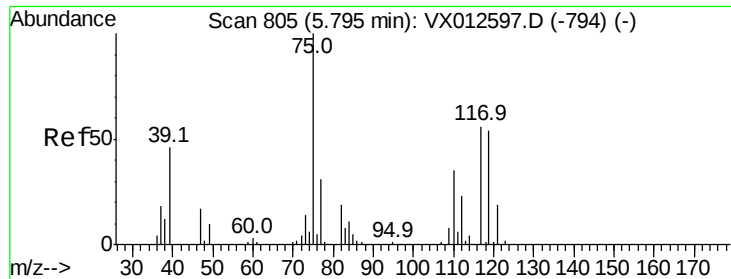
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	43.2
88	18.2	0.0	33.2



#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

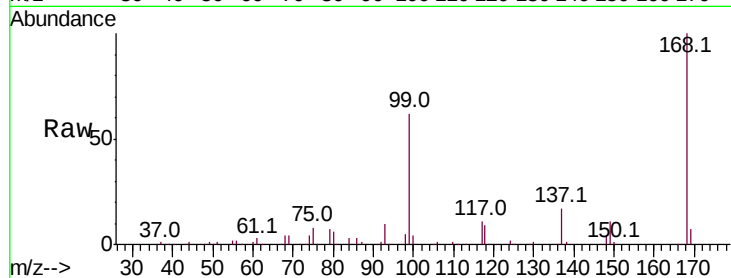




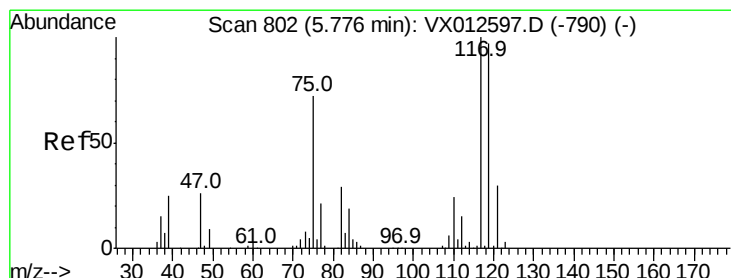
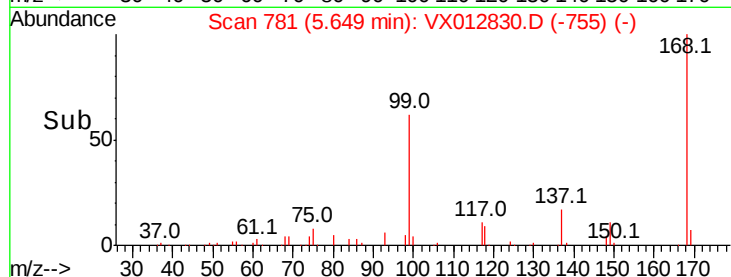
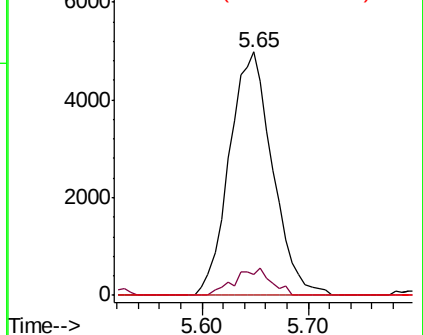
#36
 1,1-Dichloropropene
 Concen: 4.910 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012830.D
 Acq: 07 Oct 2019 11:57

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 14128
 Ion Ratio Lower Upper
 75 100
 110 9.4 16.7 50.0#
 77 0.0 24.2 36.2#

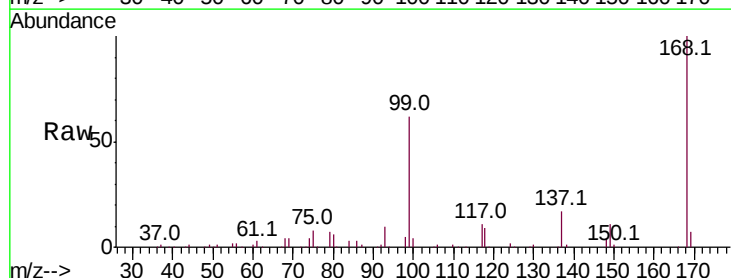


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

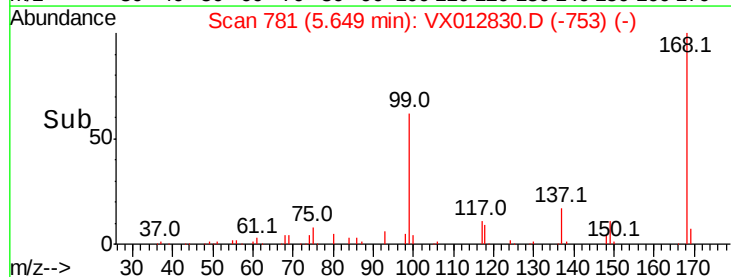
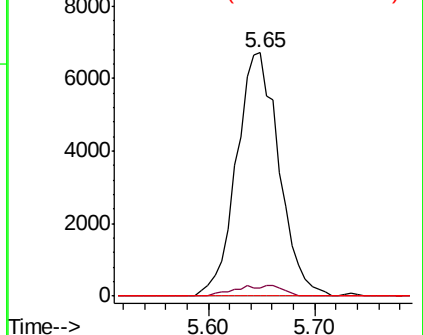


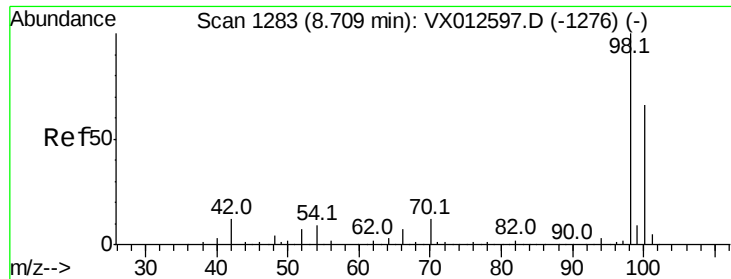
#38
 Carbon Tetrachloride
 Concen: 6.423 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX012830.D
 Acq: 07 Oct 2019 11:57

Tgt Ion: 117 Resp: 18772
 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

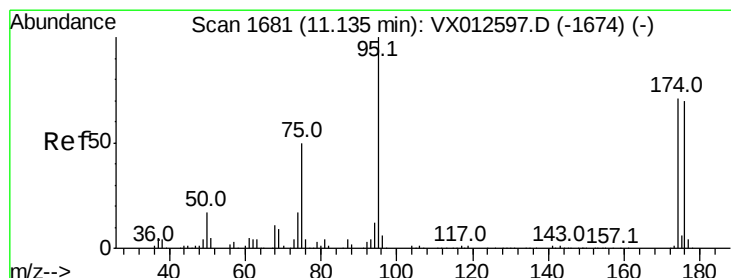
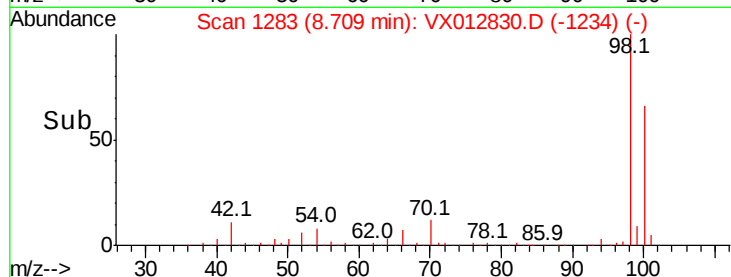
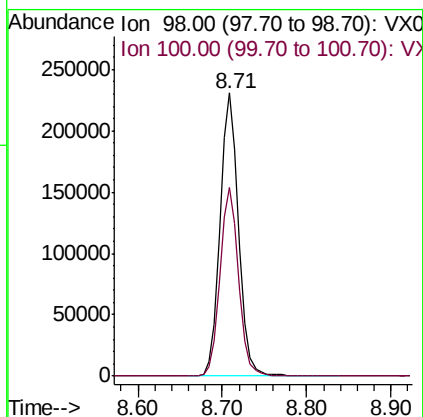
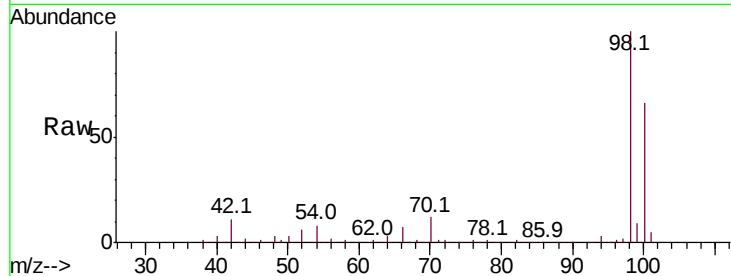




#50
Toluene-d8
Concen: 51.217 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012830.D
Acq: 07 Oct 2019 11:57

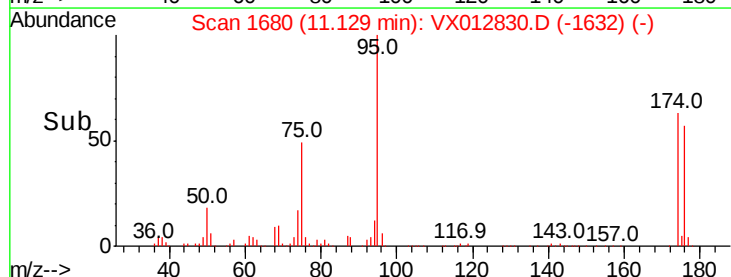
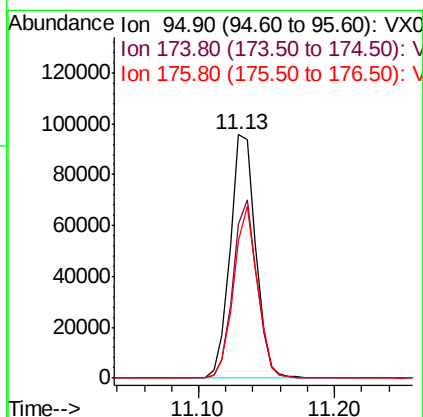
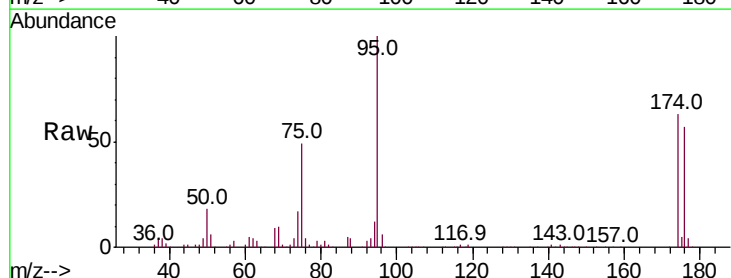
Instrument :
MSVOA_X
ClientSampled :

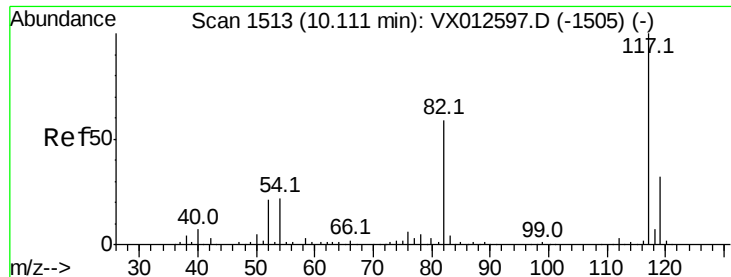
Tot Ion: 98 Resp: 350631
Ion Ratio Lower Upper
98 100
100 66.8 53.4 80.2



#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

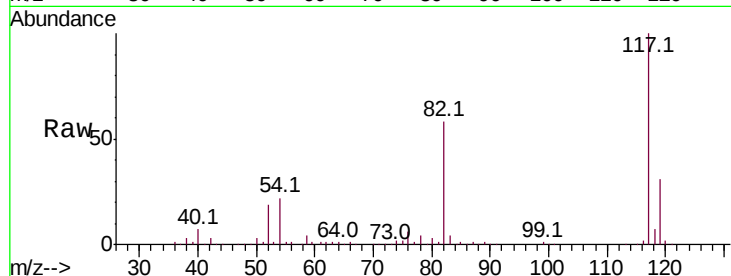




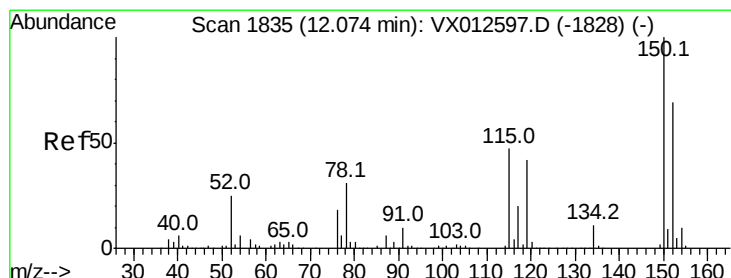
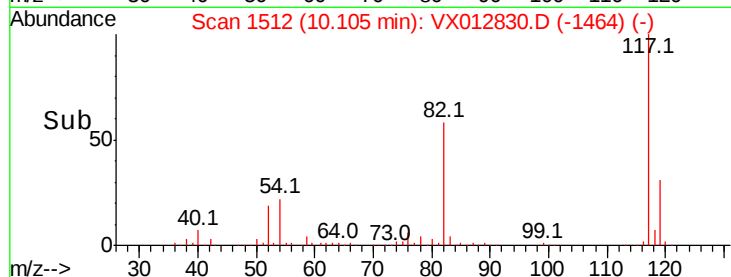
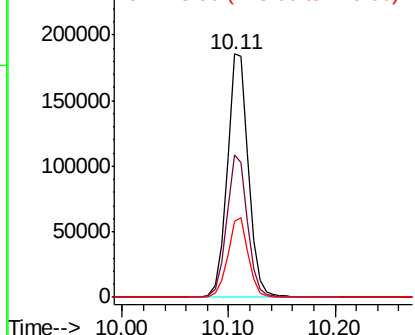
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX012830.D
Acq: 07 Oct 2019 11:57

Instrument :
MSVOA_X
ClientSampleId :

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

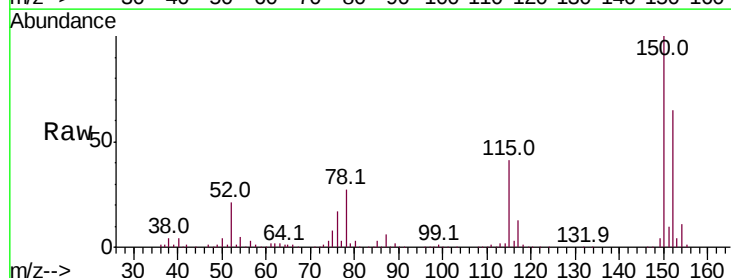


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

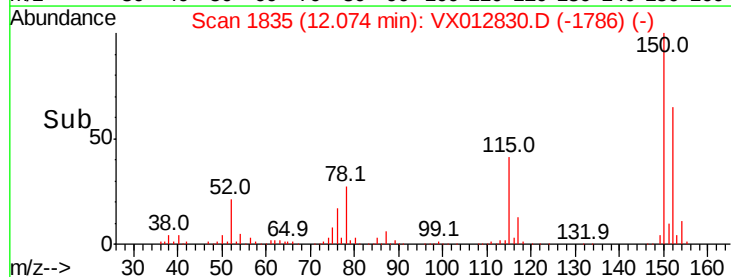
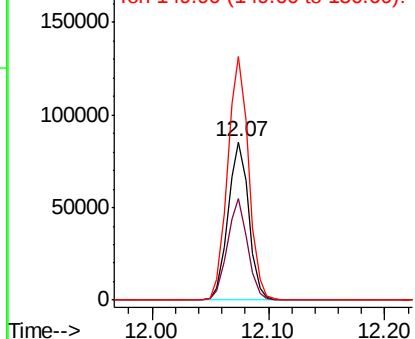


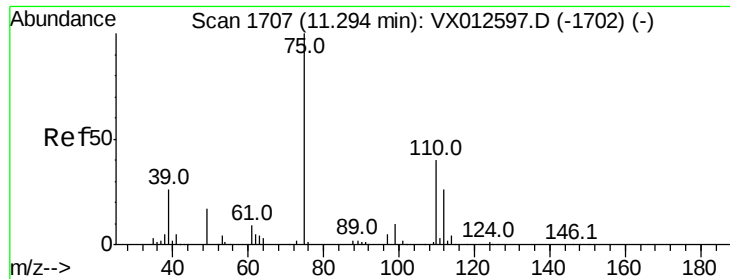
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012830.D
Acq: 07 Oct 2019 11:57

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

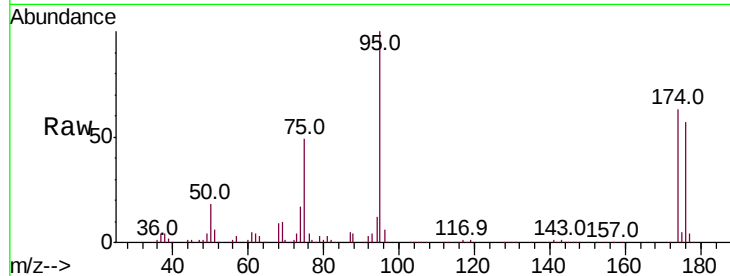
ClientSampleId :

Tot Ion: 75 Resp: 61088

Ion Ratio Lower Upper

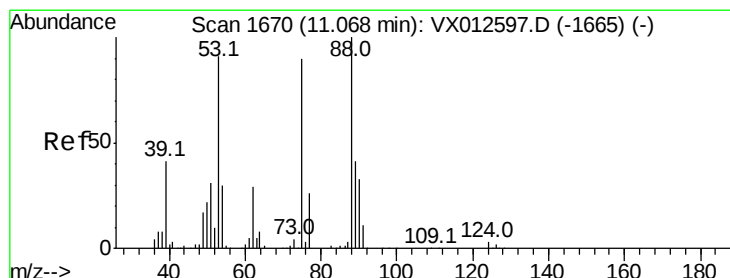
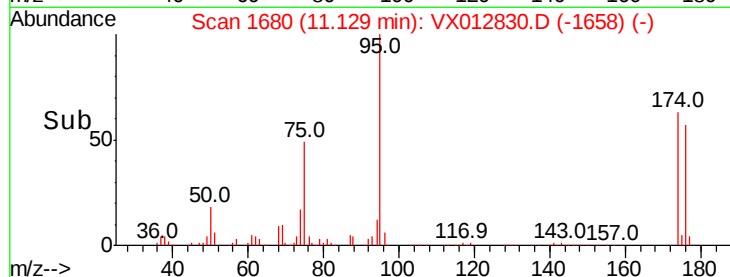
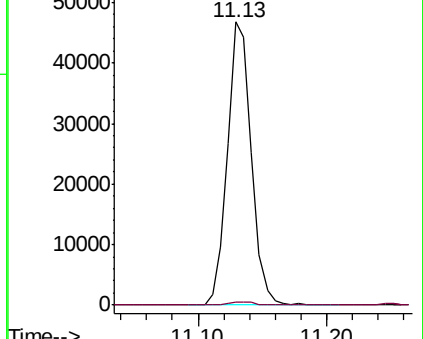
75 100

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

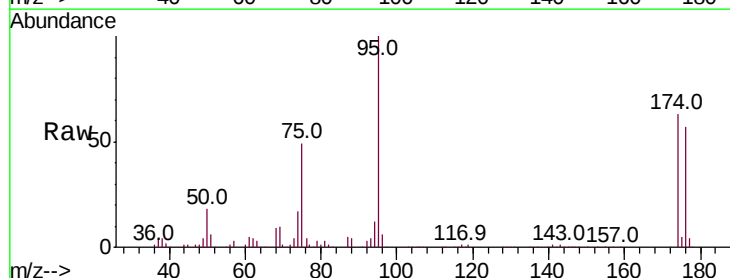
Tgt Ion: 75 Resp: 61088

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

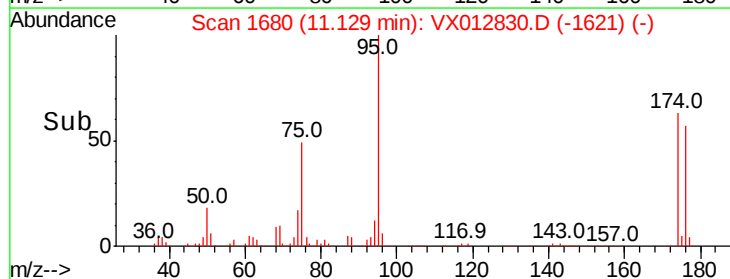
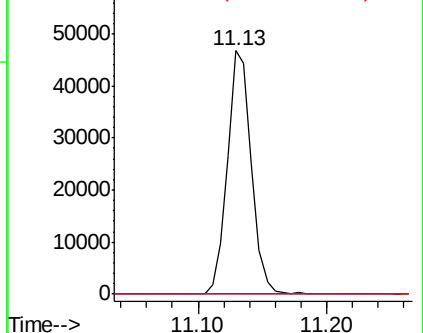
89 0.0 36.3 54.5#

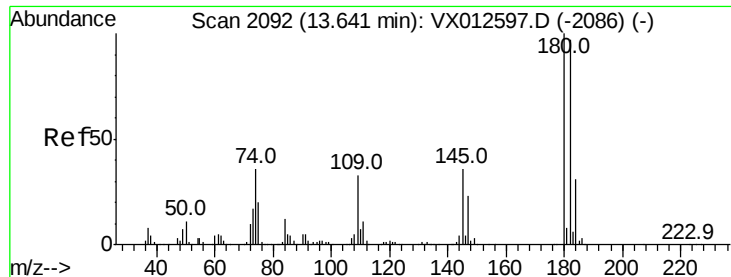


Abundance Ion 74.90 (74.60 to 75.60): VX0

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 :

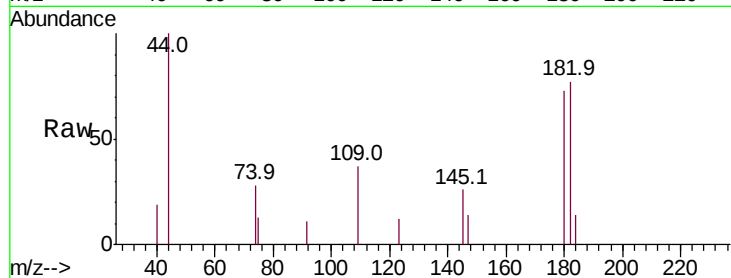
Tot Ion:180 Resp: 486

Ion Ratio Lower Upper

180 100

182 91.6 47.0 141.0

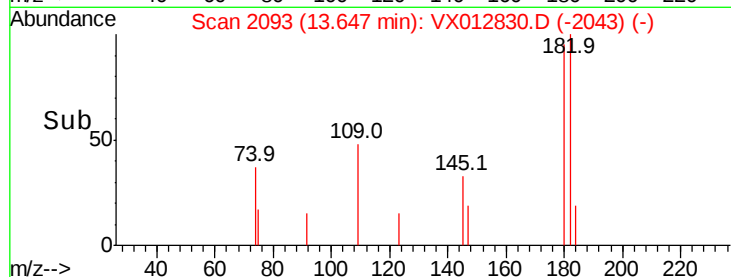
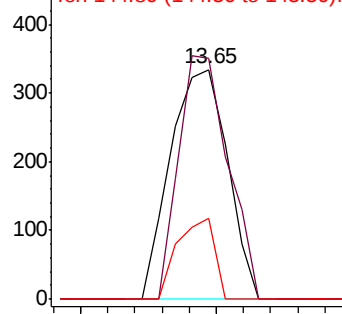
145 22.6 16.8 50.4



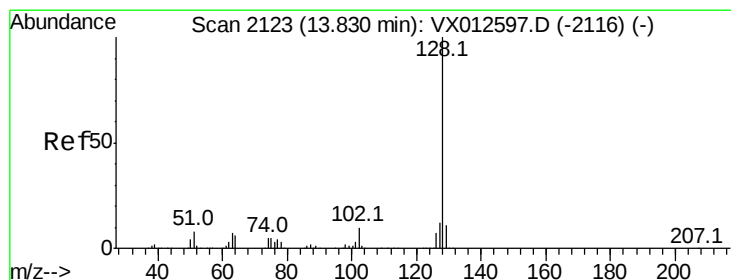
Abundance Ion 179.80 (179.50 to 180.50): V

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

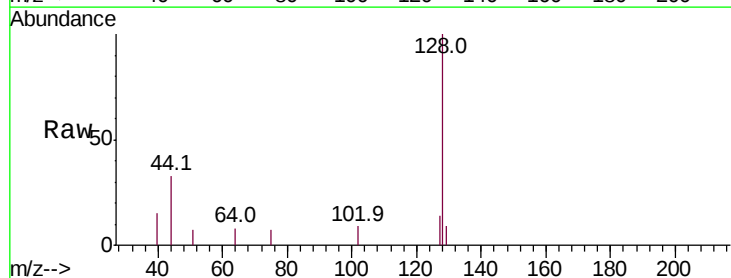
Tgt Ion:128 Resp: 1610

Ion Ratio Lower Upper

128 100

127 10.9 10.2 15.4

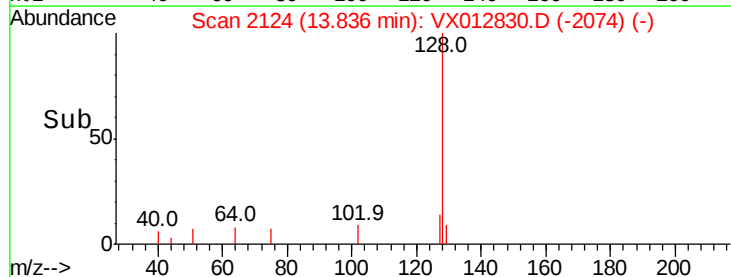
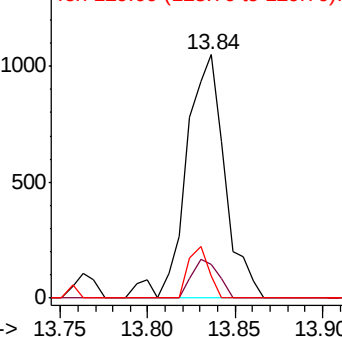
129 11.2 8.8 13.2

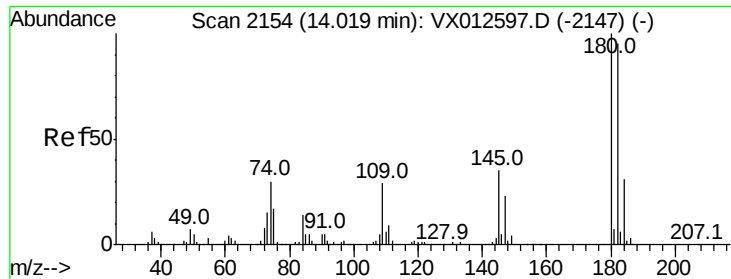


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

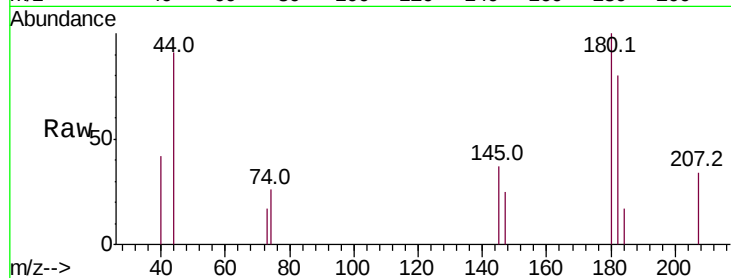




#96
 1,2,3-Trichlorobenzene
 Concen: 0.242 ug/l
 RT: 14.02 min Scan# 2154
 Delta R.T. 0.01 min
 Lab File: VX012830.D
 Acq: 07 Oct 2019 11:57

Instrument :
 MSVOA_X
 ClientSampleId :

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

