

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100819\
 Data File : VX012891.D
 Acq On : 08 Oct 2019 15:54
 Operator : JC/SP
 Sample : K5122-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 09 02:09:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	180043	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	305275	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	255112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	98867	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	115048	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
35) Dibromofluoromethane	5.49	113	91045	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	
50) Toluene-d8	8.71	98	357666	52.34	ug/l	0.00
Spiked Amount			Recovery	=	104.68%	
62) 4-Bromofluorobenzene	11.13	95	120386	45.34	ug/l	0.00
Spiked Amount			Recovery	=	90.68%	

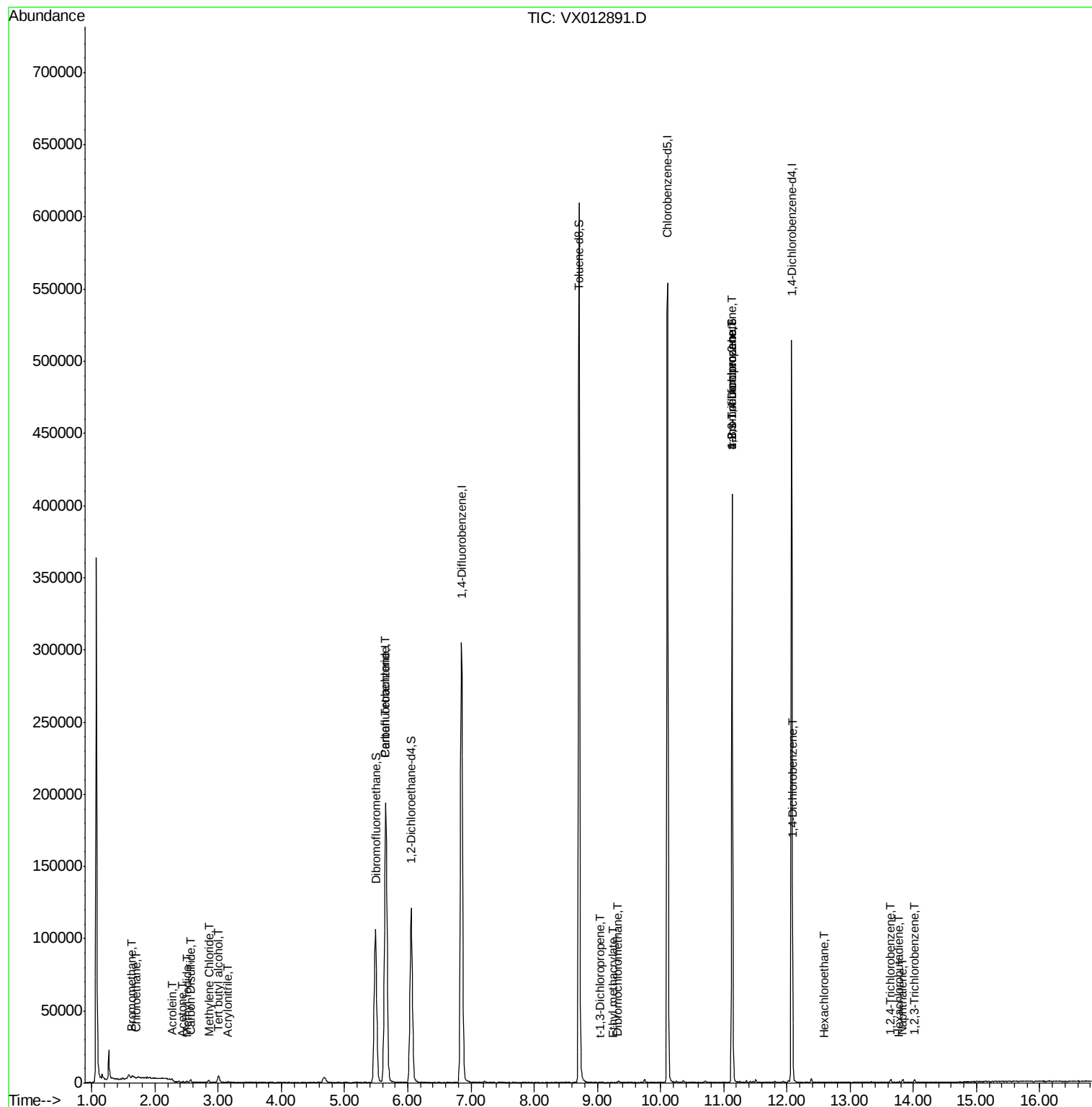
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	691	0.806	ug/l	94
6) Chloroethane	1.70	64	171	0.502	ug/l #	83
10) Methyl Iodide	2.50	142	519	5.310	ug/l #	95
11) Tert butyl alcohol	3.01	59	3108	5.210	ug/l #	72
13) Acrolein	2.28	56	241	0.568	ug/l #	67
15) Acrylonitrile	3.14	53	353	0.312	ug/l #	66
16) Acetone	2.44	43	435	0.367	ug/l #	87
17) Carbon Disulfide	2.56	76	2174	0.419	ug/l #	86
20) Methylene Chloride	2.85	84	705	0.323	ug/l #	93
28) Bromochloromethane	5.01	49	44	Below Cal	#	13
38) Carbon Tetrachloride	5.65	117	18639	7.135	ug/l #	16
53) t-1,3-Dichloropropene	9.05	75	124	2.205	ug/l #	42
56) Ethyl methacrylate	9.25	69	19	1.836	ug/l #	25
60) Dibromochloromethane	9.32	129	236	1.959	ug/l #	10
76) 1,2,3-Trichloropropane	11.14	75	59615	27.186	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	59615	68.282	ug/l #	10
88) 1,4-Dichlorobenzene	12.09	146	921	0.286	ug/l #	1
90) Hexachloroethane	12.59	117	28	2.141	ug/l #	13
93) 1,2,4-Trichlorobenzene	13.65	180	689	0.353	ug/l	93
94) Hexachlorobutadiene	13.78	225	201	0.223	ug/l	68
95) Naphthalene	13.84	128	1588	0.235	ug/l #	92
96) 1,2,3-Trichlorobenzene	14.02	180	520	0.258	ug/l	82

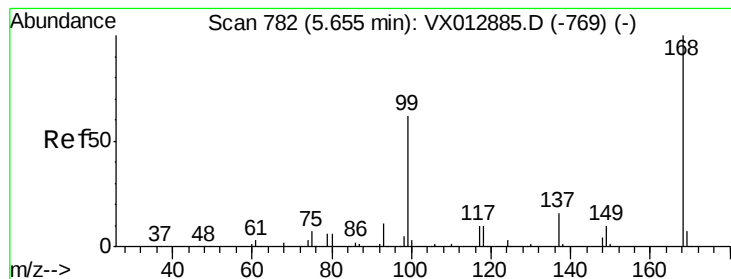
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:51:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX012891.D

Acq: 08 Oct 2019 15:54

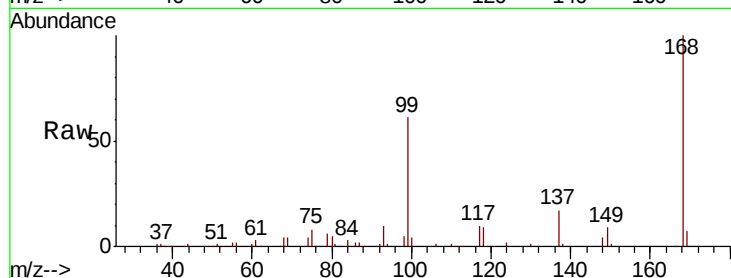
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 180043

Ion Ratio Lower Upper

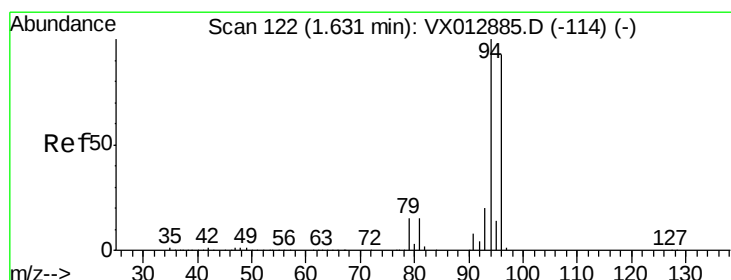
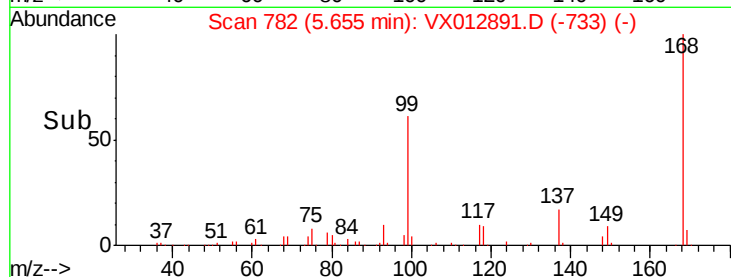
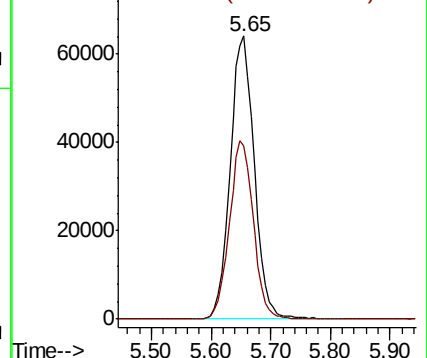
168 100

99 61.4 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.806 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX012891.D

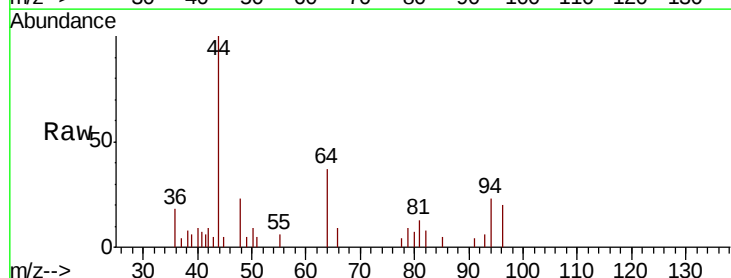
Acq: 08 Oct 2019 15:54

Tgt Ion: 94 Resp: 691

Ion Ratio Lower Upper

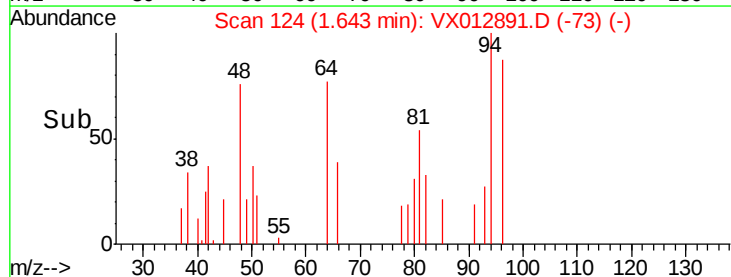
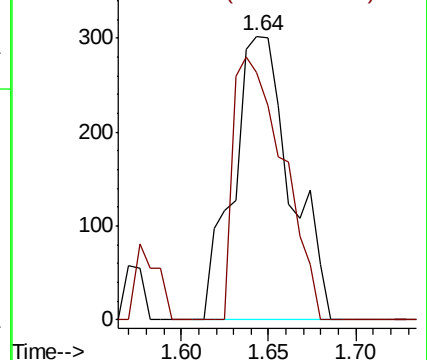
94 100

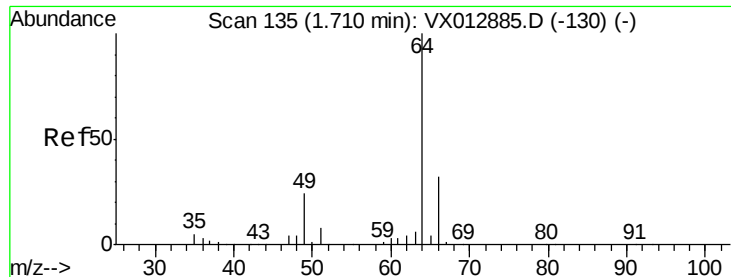
96 87.4 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.502 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012891.D

Acq: 08 Oct 2019 15:54

Instrument :

MSVOA_X

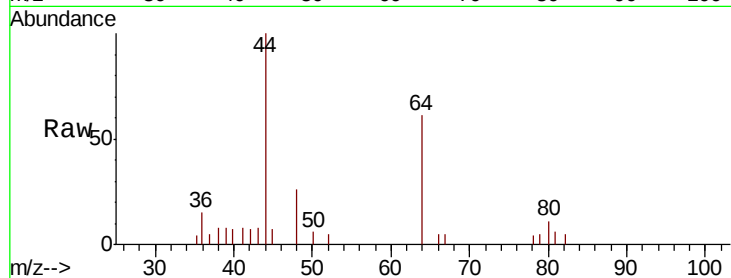
ClientSampleId :

Tot Ion: 64 Resp: 171

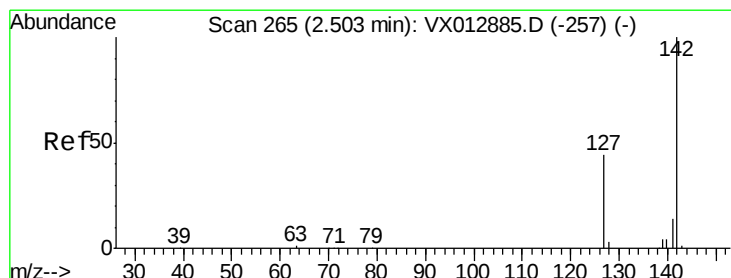
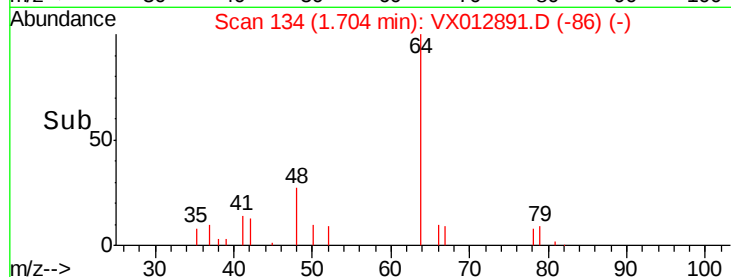
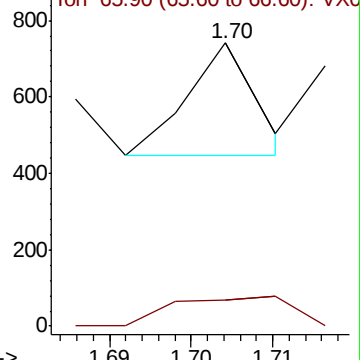
Ion Ratio Lower Upper

64 100

66 22.7 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0



#10

Methyl Iodide

Concen: 5.310 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.00 min

Lab File: VX012891.D

Acq: 08 Oct 2019 15:54

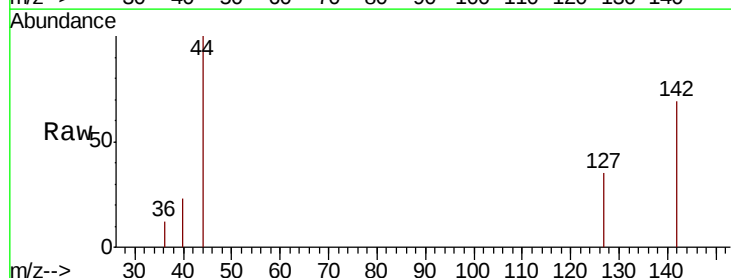
Tgt Ion: 142 Resp: 519

Ion Ratio Lower Upper

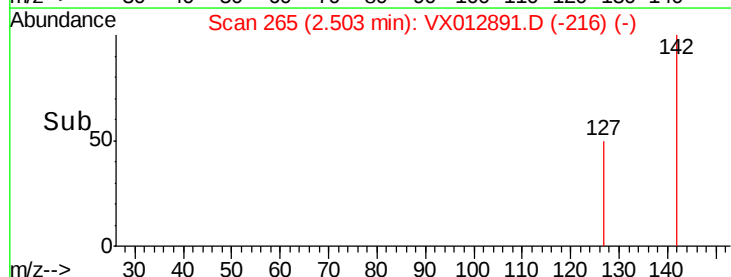
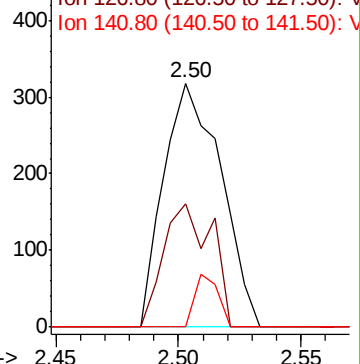
142 100

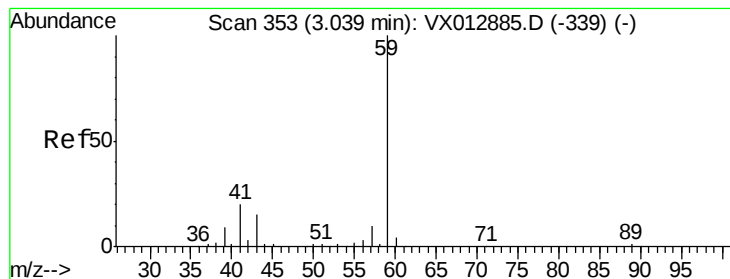
127 42.2 34.9 52.3

141 8.7 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V



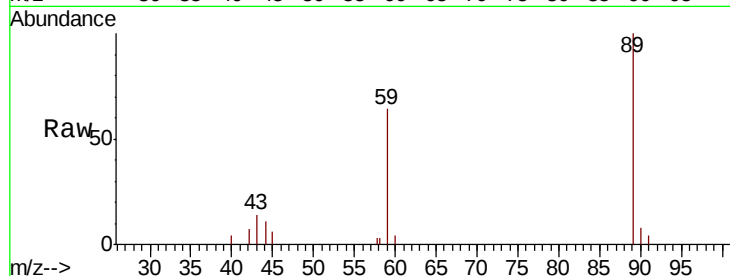


#11

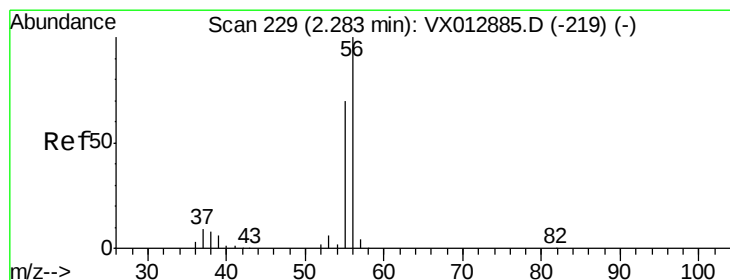
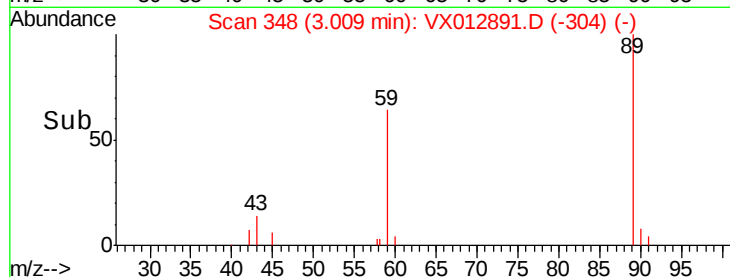
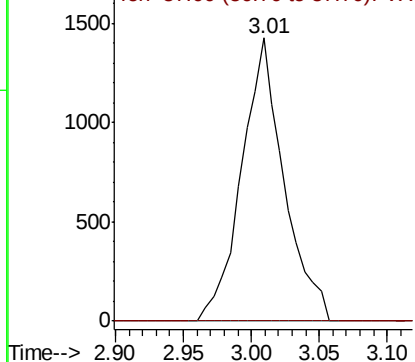
Tert butyl alcohol
 Concen: 5.210 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.03 min
 Lab File: VX012891.D
 Acq: 08 Oct 2019 15:54

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 59 Resp: 3108
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#



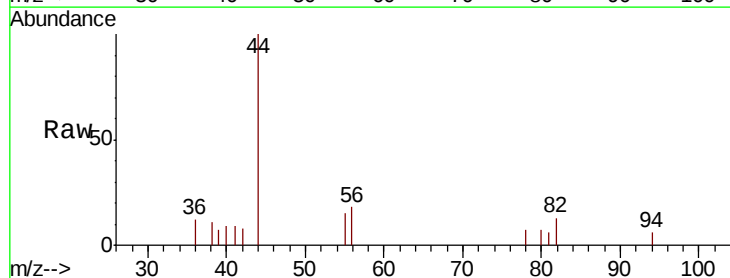
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



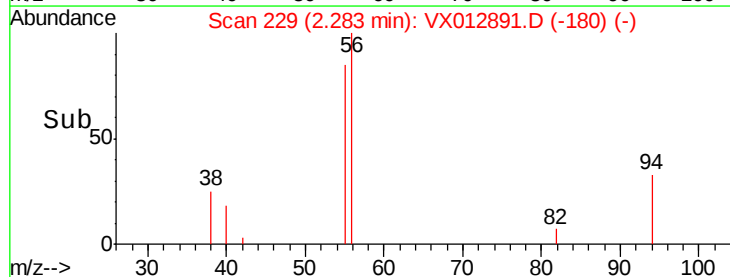
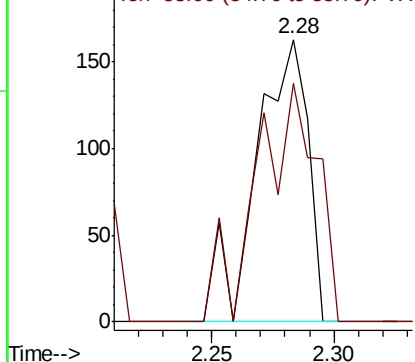
#13

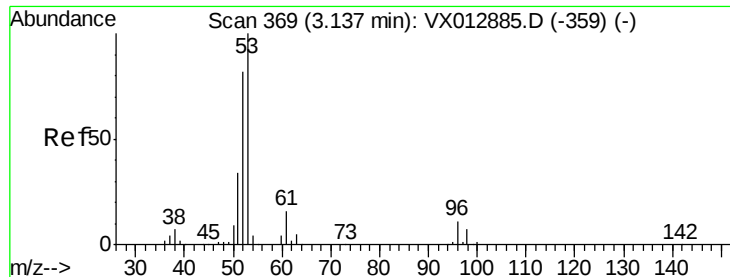
Acrolein
 Concen: 0.568 ug/l
 RT: 2.28 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VX012891.D
 Acq: 08 Oct 2019 15:54

Tgt Ion: 56 Resp: 241
 Ion Ratio Lower Upper
 56 100
 55 97.9 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.312 ug/l

RT: 3.14 min Scan# 370

Delta R.T. 0.01 min

Lab File: VX012891.D

Acq: 08 Oct 2019 15:54

Instrument :

MSVOA_X

ClientSampled :

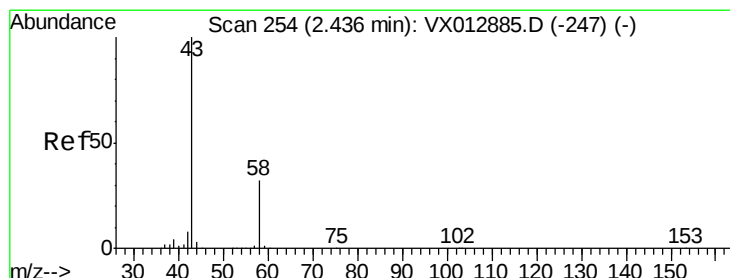
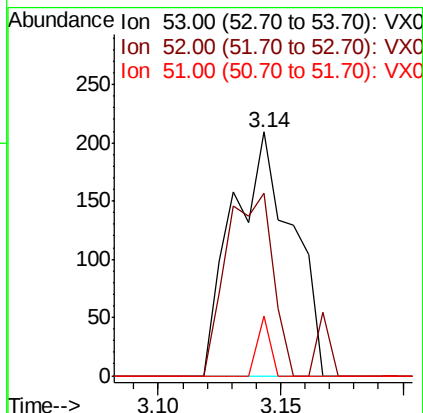
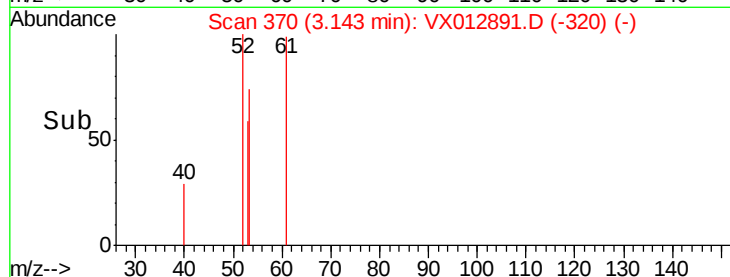
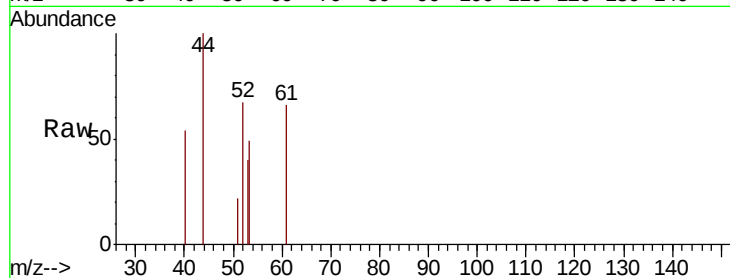
Tot Ion: 53 Resp: 353

Ion Ratio Lower Upper

53 100

52 58.9 66.2 99.2#

51 5.4 28.2 42.4#



#16

Acetone

Concen: 0.367 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012891.D

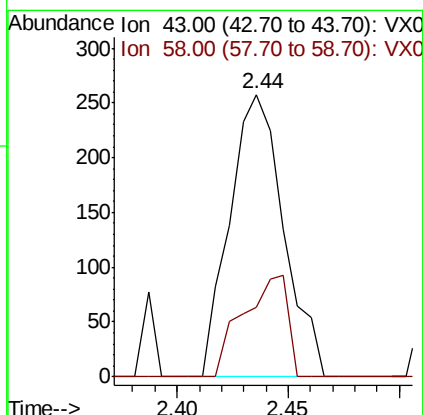
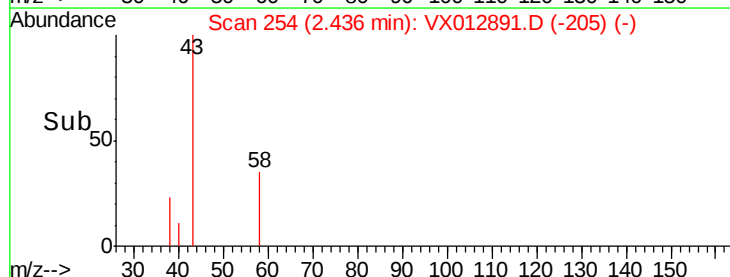
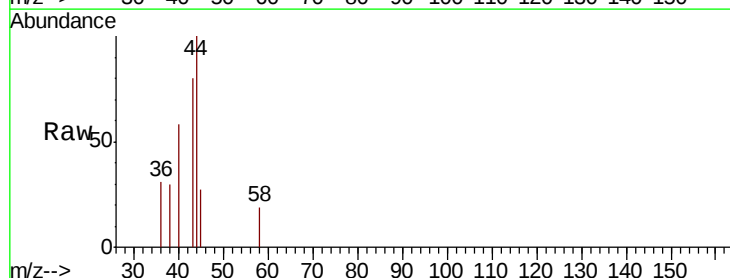
Acq: 08 Oct 2019 15:54

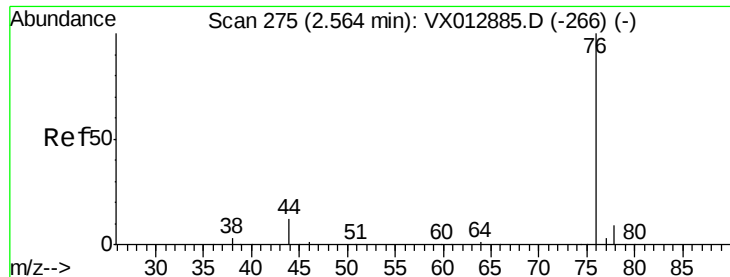
Tgt Ion: 43 Resp: 435

Ion Ratio Lower Upper

43 100

58 24.4 25.4 38.2#

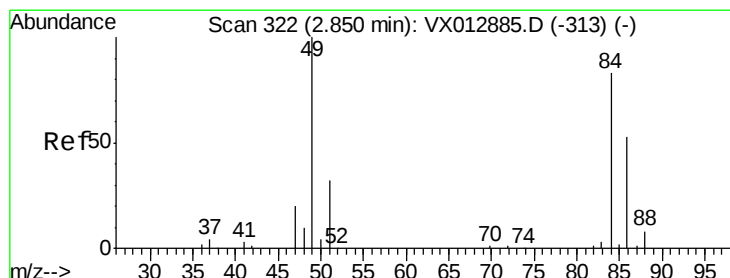
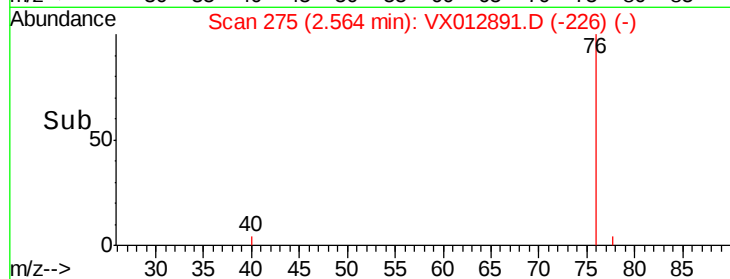
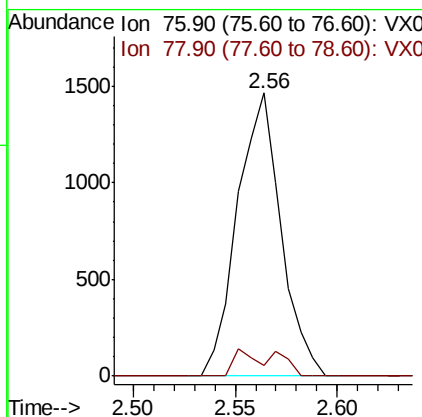
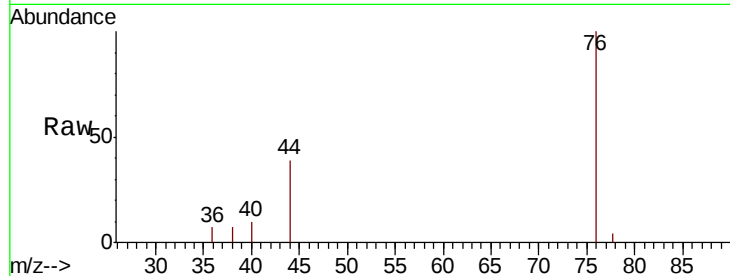




#17
Carbon Disulfide
Concen: 0.419 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.00 min
Lab File: VX012891.D
Acq: 08 Oct 2019 15:54

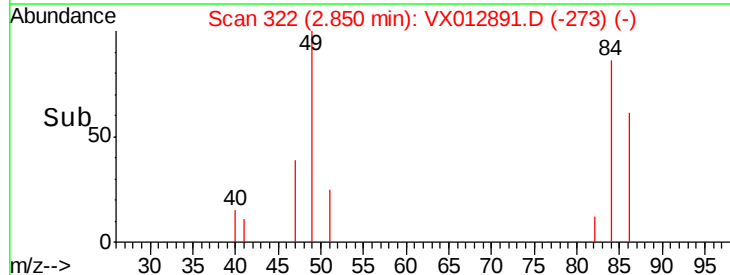
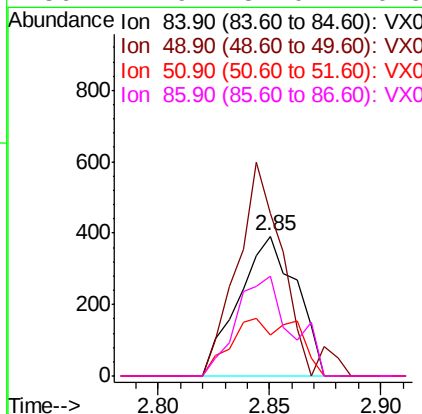
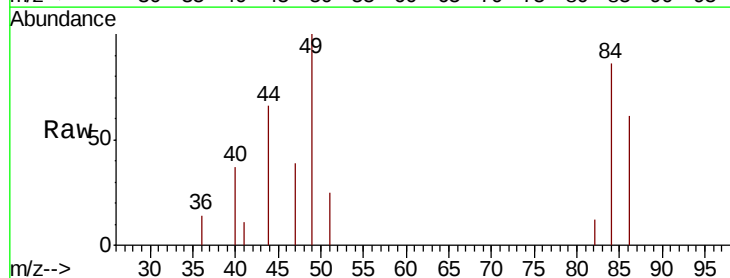
Instrument :
MSVOA_X
ClientSampleId :

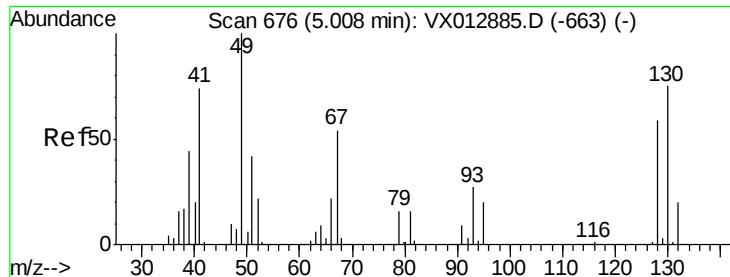
Tot Ion: 76 Resp: 2174
Ion Ratio Lower Upper
76 100
78 4.0 7.1 10.7#



#20
Methylene Chloride
Concen: 0.323 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX012891.D
Acq: 08 Oct 2019 15:54

Tgt Ion: 84 Resp: 705
Ion Ratio Lower Upper
84 100
49 116.9 96.6 144.8
51 29.2 30.7 46.1#
86 71.9 51.0 76.6





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 677

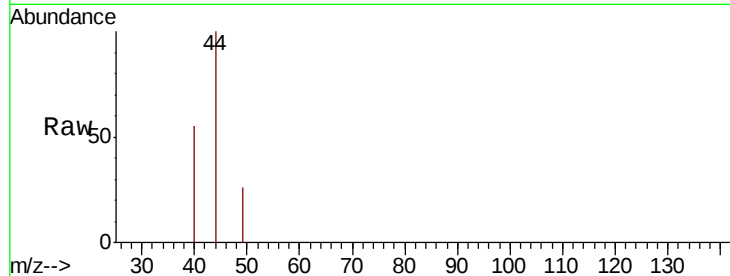
Delta R.T. 0.01 min

Lab File: VX012891.D

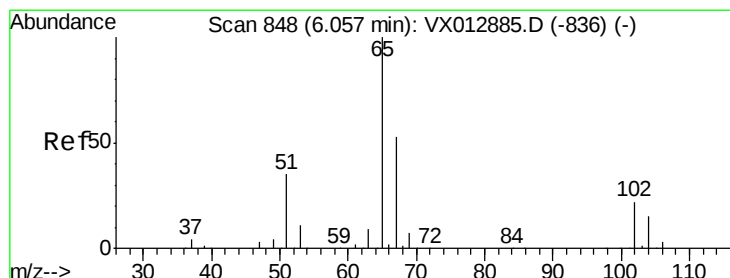
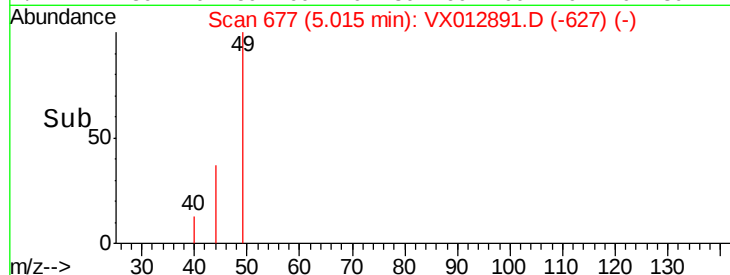
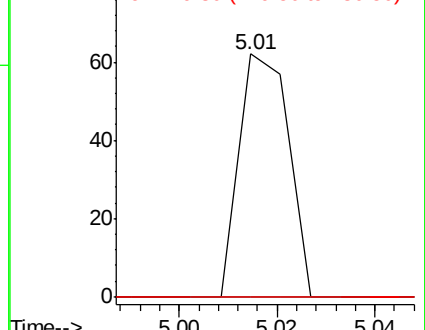
Acq: 08 Oct 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 49 Resp: 44
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.2
130 0.0 62.1 93.1#



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V



#33

1,2-Dichloroethane-d4

Concen: 51.125 ug/l

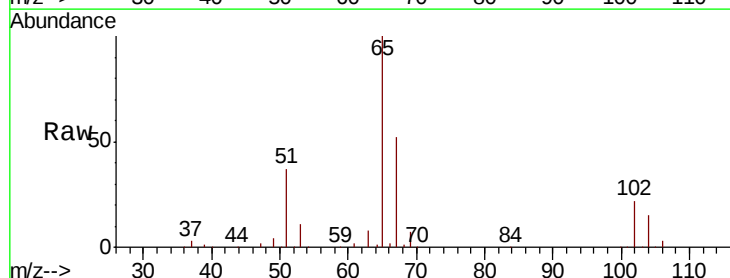
RT: 6.06 min Scan# 848

Delta R.T. 0.00 min

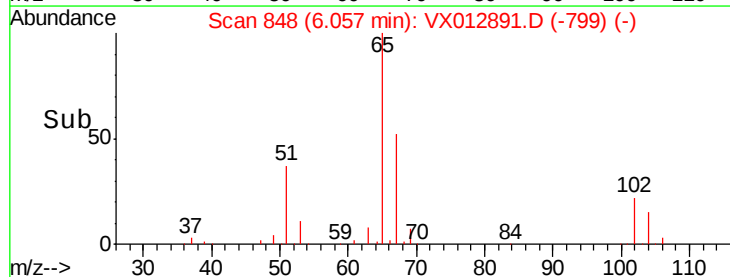
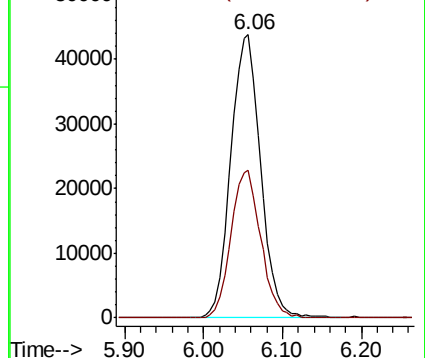
Lab File: VX012891.D

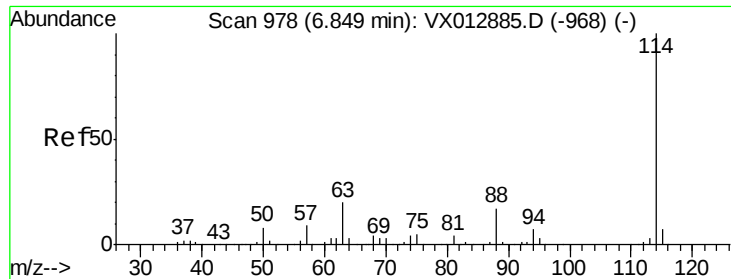
Acq: 08 Oct 2019 15:54

Tgt Ion: 65 Resp: 115048
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

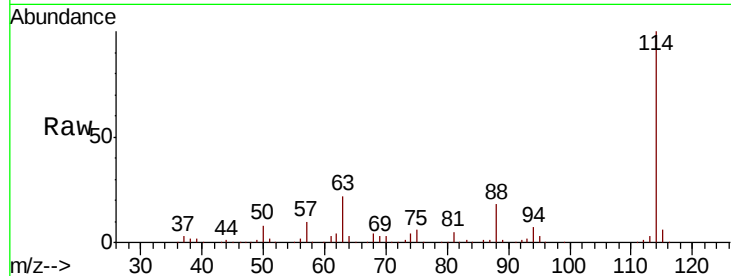




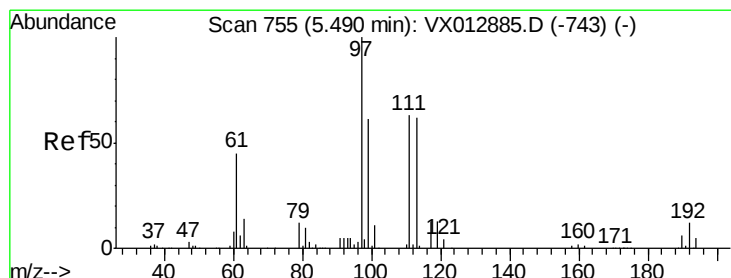
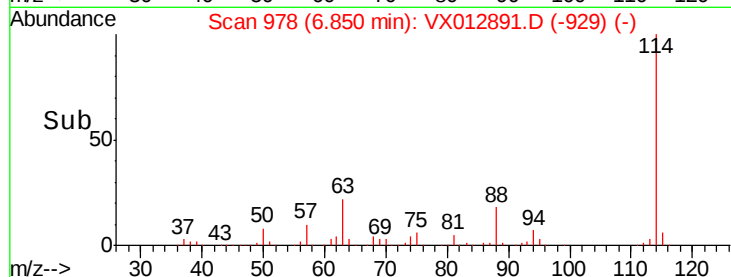
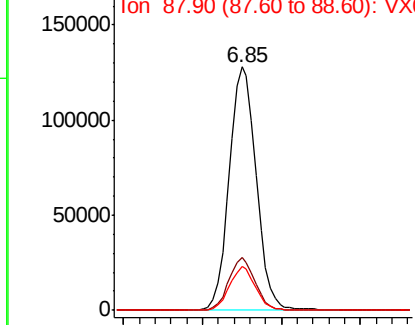
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX012891.D
Acq: 08 Oct 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 305275
Ion Ratio Lower Upper
114 100
63 21.6 0.0 40.8
88 18.0 0.0 33.8

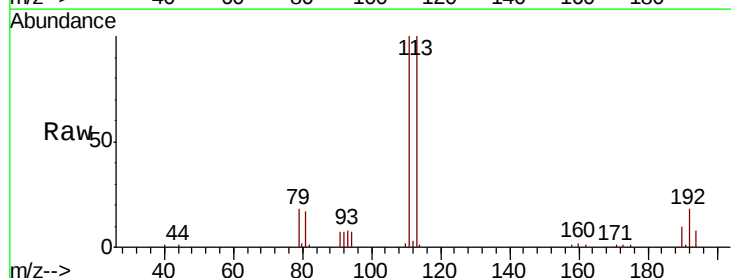


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

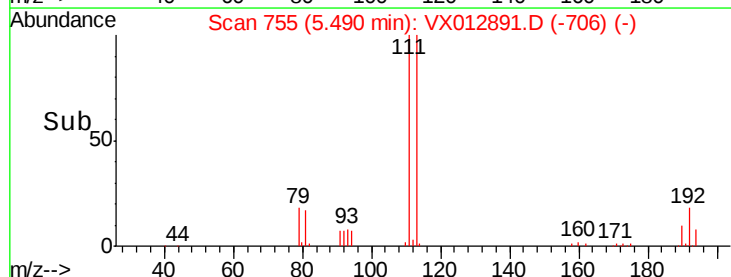
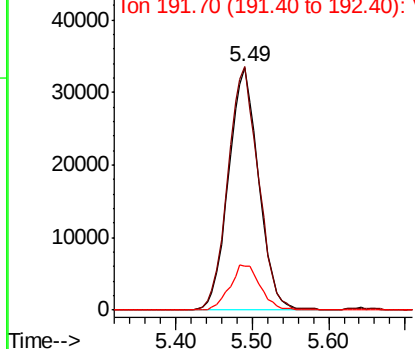


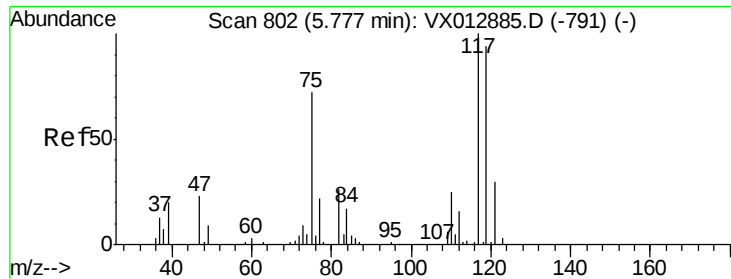
#35
Dibromofluoromethane
Concen: 51.963 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX012891.D
Acq: 08 Oct 2019 15:54

Tgt Ion:113 Resp: 91045
Ion Ratio Lower Upper
113 100
111 101.7 83.2 124.8
192 18.8 15.4 23.2



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

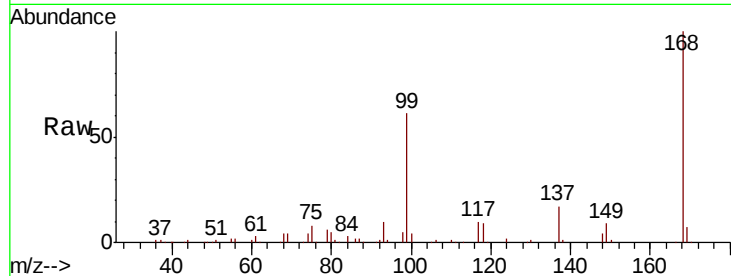




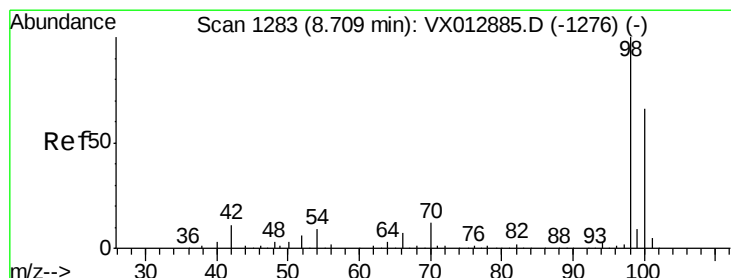
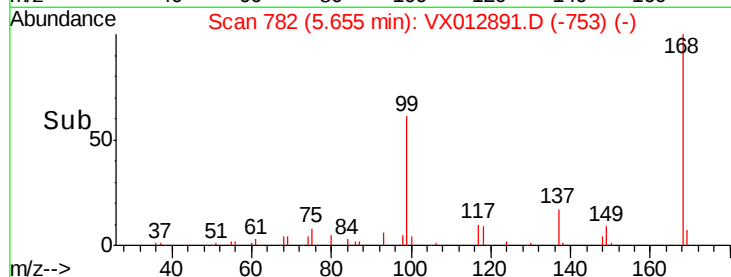
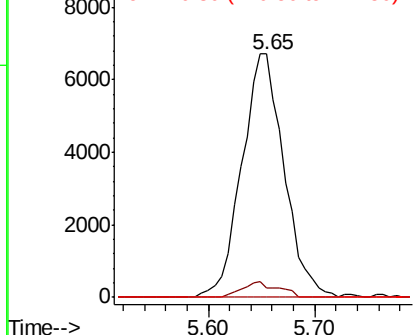
#38
Carbon Tetrachloride
Concen: 7.135 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX012891.D
Acq: 08 Oct 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 18639
Ion Ratio Lower Upper
117 100
119 4.1 74.5 111.7#
121 0.0 24.2 36.4#

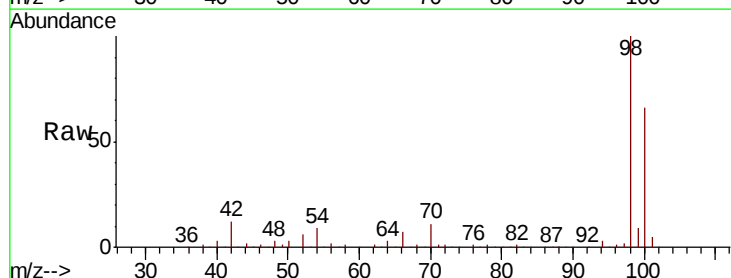


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

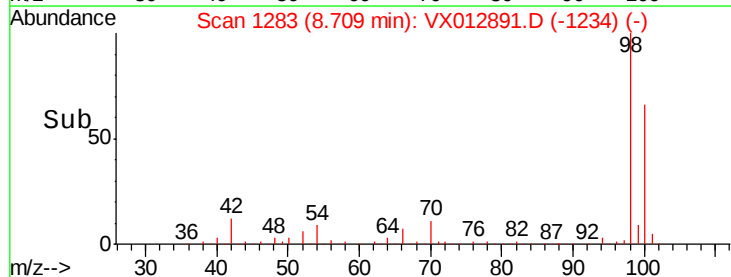
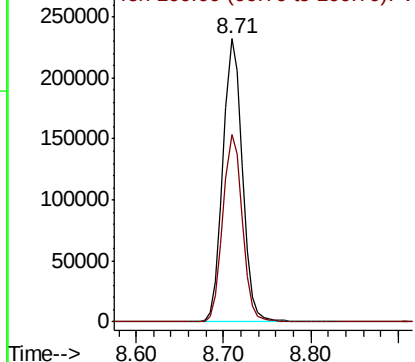


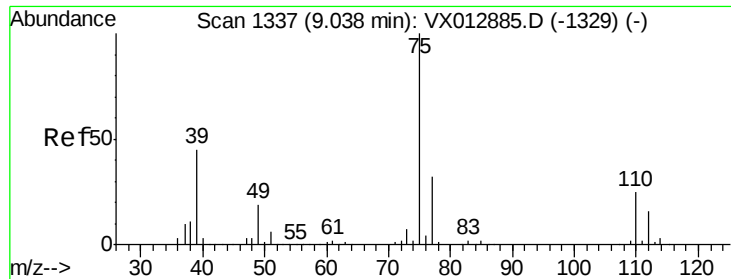
#50
Toluene-d8
Concen: 52.339 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012891.D
Acq: 08 Oct 2019 15:54

Tgt Ion: 98 Resp: 357666
Ion Ratio Lower Upper
98 100
100 66.1 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

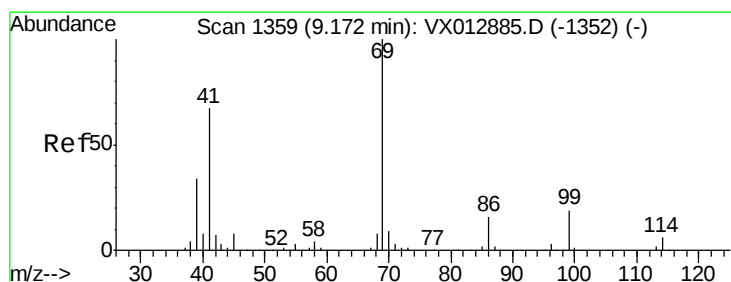
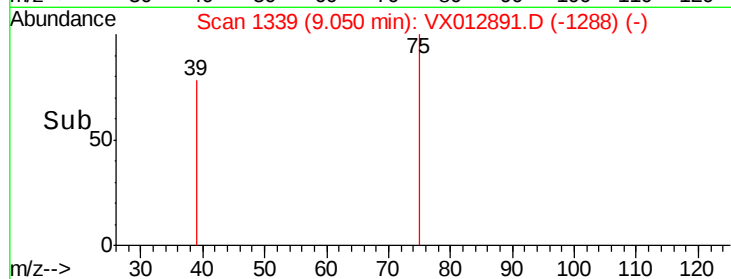
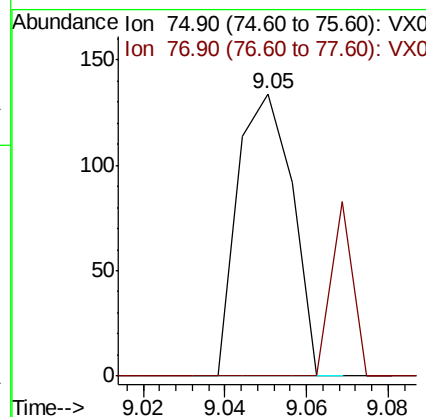
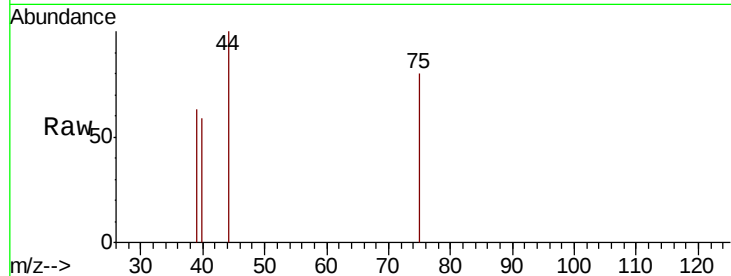




#53
t-1,3-Dichloropropene
Concen: 2.205 ug/l
RT: 9.05 min Scan# 1339
Delta R.T. 0.01 min
Lab File: VX012891.D
Acq: 08 Oct 2019 15:54

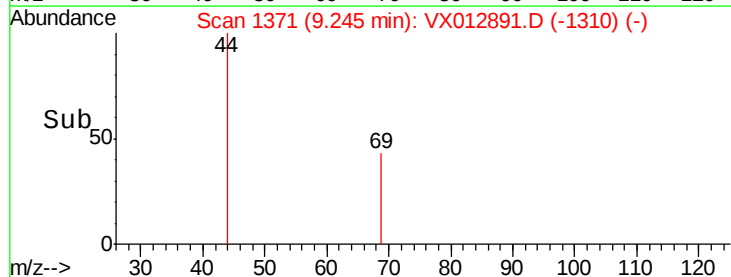
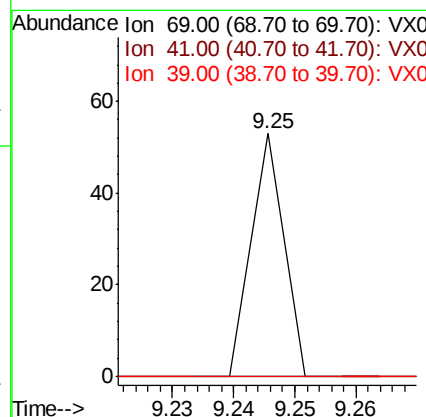
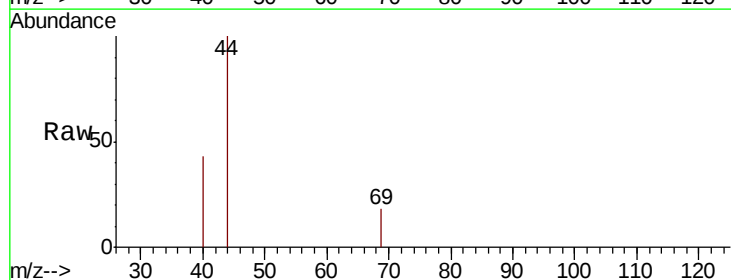
Instrument :
MSVOA_X
ClientSampleId :

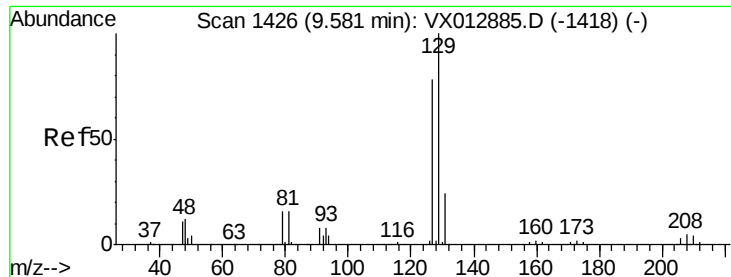
Tot Ion: 75 Resp: 124
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#



#56
Ethyl methacrylate
Concen: 1.836 ug/l
RT: 9.25 min Scan# 1371
Delta R.T. 0.07 min
Lab File: VX012891.D
Acq: 08 Oct 2019 15:54

Tgt Ion: 69 Resp: 19
Ion Ratio Lower Upper
69 100
41 0.0 52.1 78.1#
39 0.0 27.8 41.8#

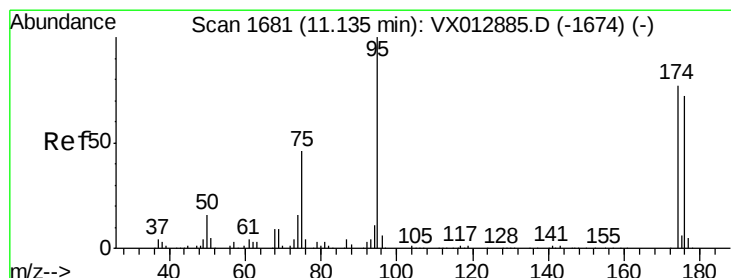
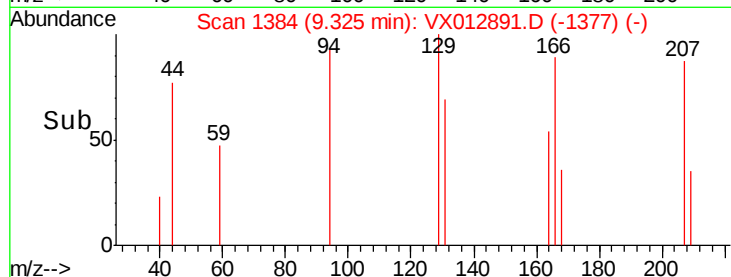
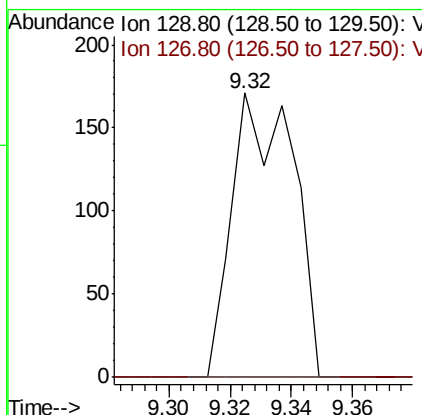
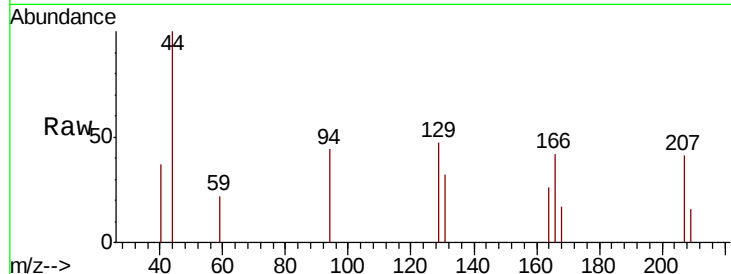




#60
Dibromochloromethane
Concen: 1.959 ug/l
RT: 9.32 min Scan# 1384
Delta R.T. -0.26 min
Lab File: VX012891.D
Acq: 08 Oct 2019 15:54

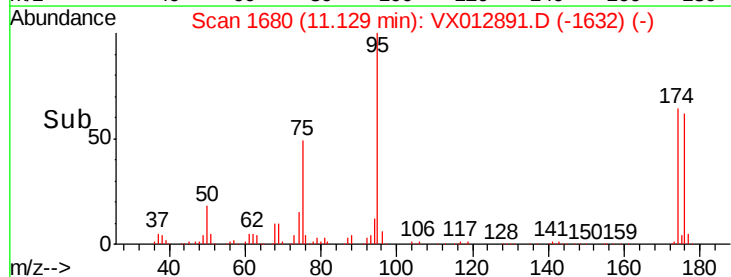
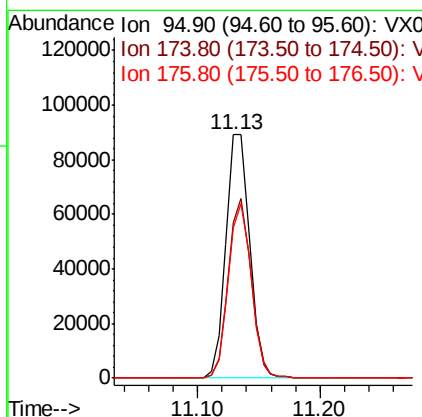
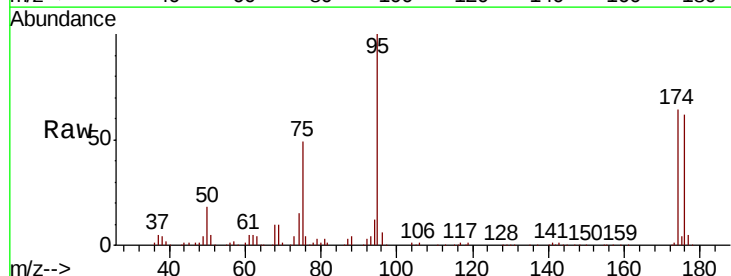
Instrument :
MSVOA_X
ClientSampleId :

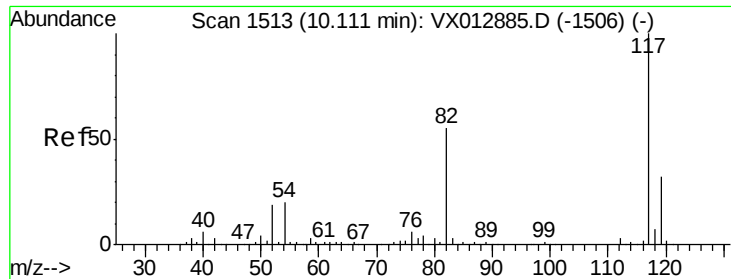
Tot Ion:129 Resp: 236
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.7#



#62
4-Bromofluorobenzene
Concen: 45.338 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX012891.D
Acq: 08 Oct 2019 15:54

Tgt Ion: 95 Resp: 120386
Ion Ratio Lower Upper
95 100
174 70.7 0.0 143.4
176 68.8 0.0 136.0

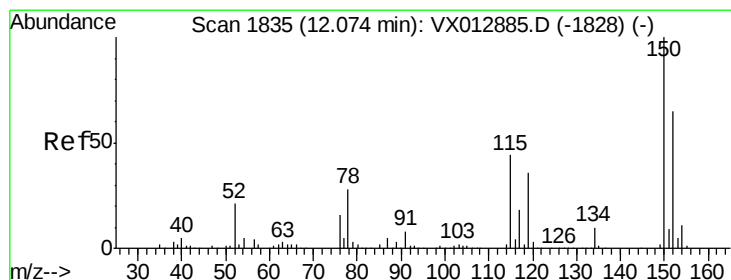
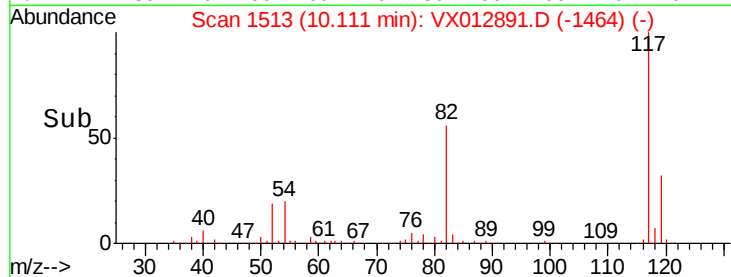
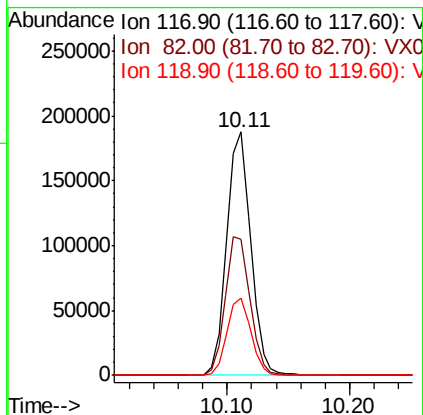
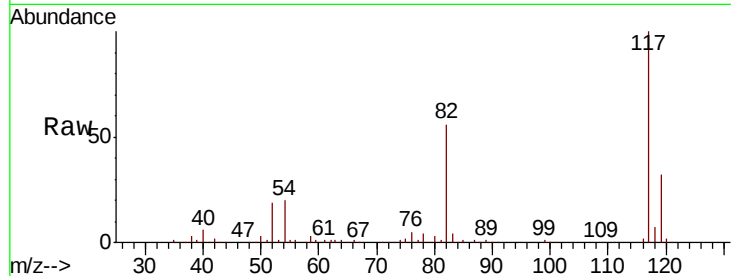




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012891.D
Acq: 08 Oct 2019 15:54

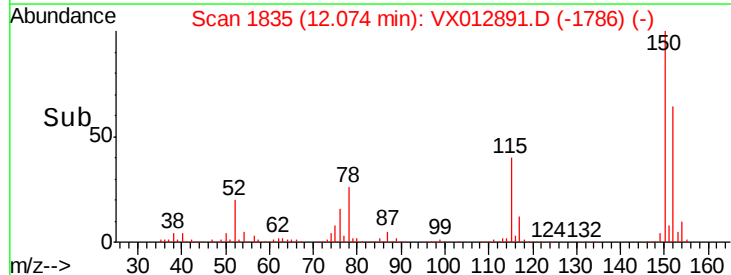
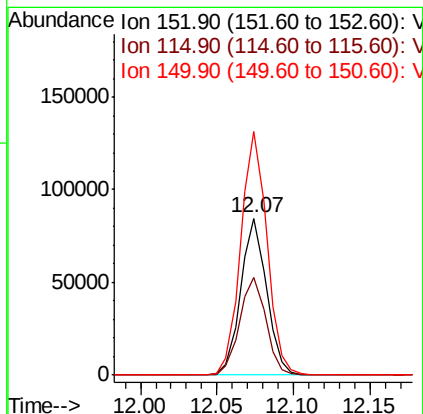
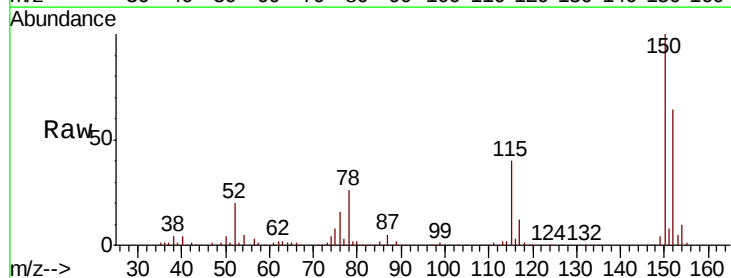
Instrument :
MSVOA_X
ClientSampleId :

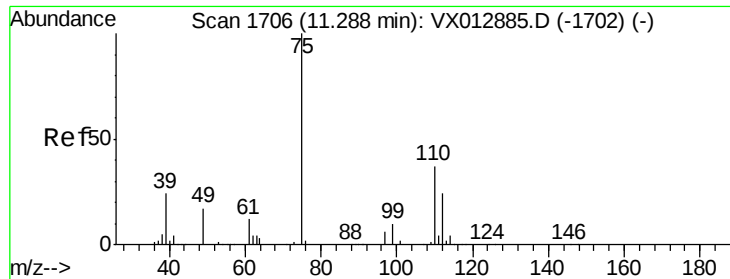
Tot Ion:117 Resp: 255112
Ion Ratio Lower Upper
117 100
82 55.9 44.1 66.1
119 31.6 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012891.D
Acq: 08 Oct 2019 15:54

Tgt Ion:152 Resp: 98867
Ion Ratio Lower Upper
152 100
115 63.7 44.5 133.5
150 157.7 0.0 353.4

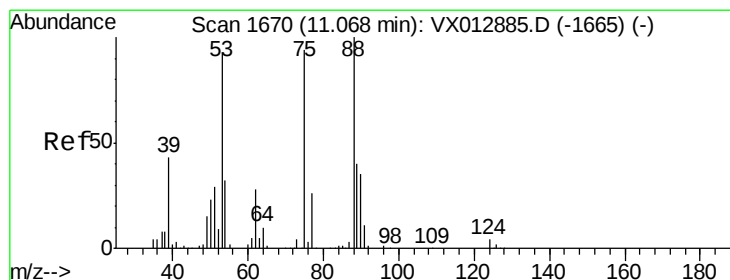
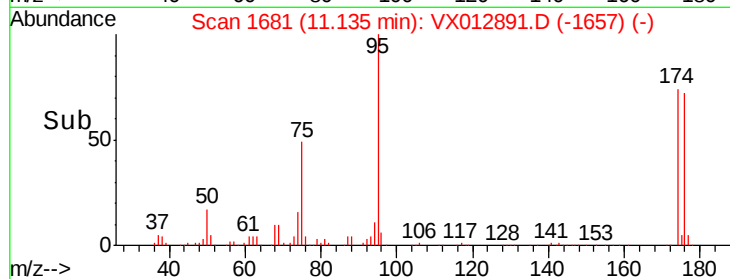
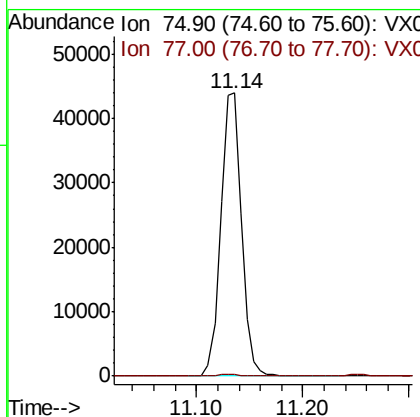
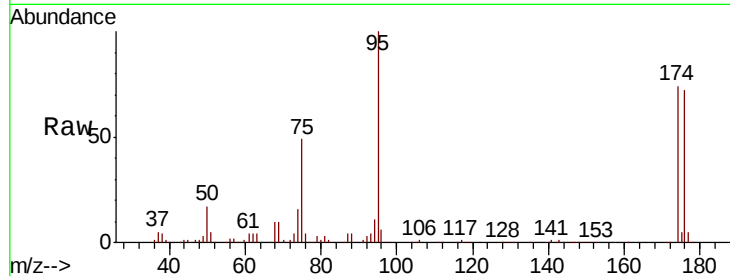




#76
 1,2,3-Trichloropropane
 Concen: 27.186 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.15 min
 Lab File: VX012891.D
 Acq: 08 Oct 2019 15:54

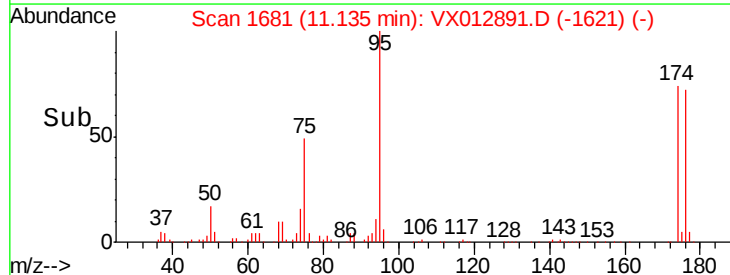
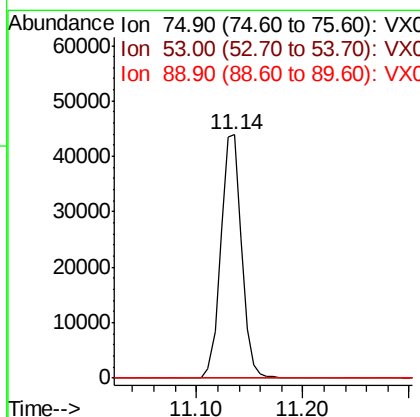
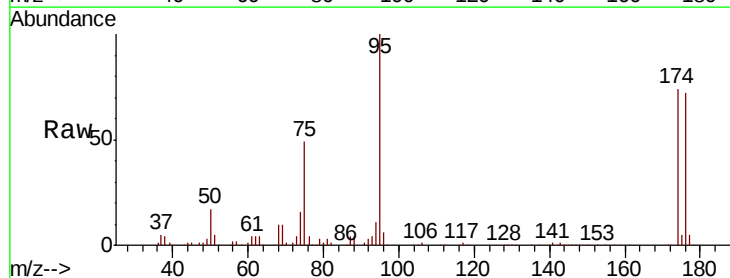
Instrument :
 MSVOA_X
 ClientSampleId :

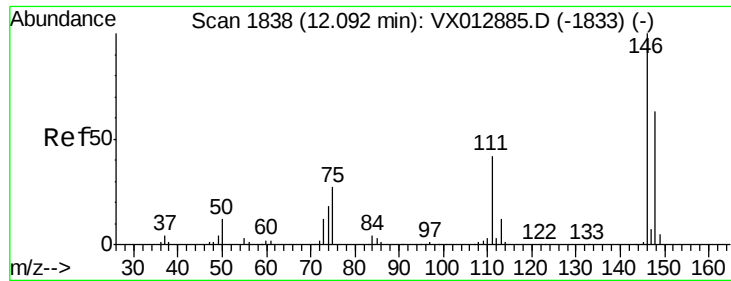
Tot Ion: 75 Resp: 59615
 Ion Ratio Lower Upper
 75 100
 77 0.8 22.9 68.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.282 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.07 min
 Lab File: VX012891.D
 Acq: 08 Oct 2019 15:54

Tgt Ion: 75 Resp: 59615
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.4 56.2#





#88

1,4-Dichlorobenzene

Concen: 0.286 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX012891.D

Acq: 08 Oct 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

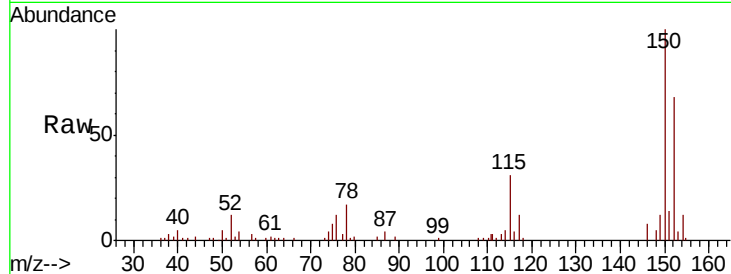
Tot Ion:146 Resp: 921

Ion Ratio Lower Upper

146 100

111 197.0 21.4 64.3#

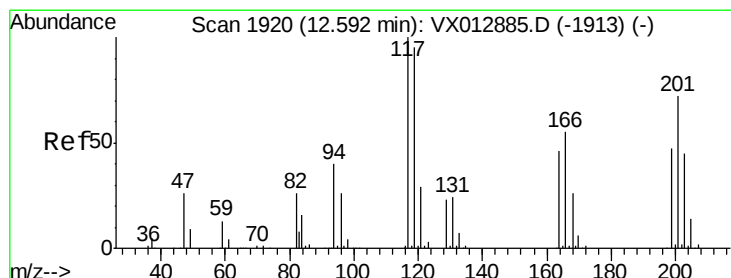
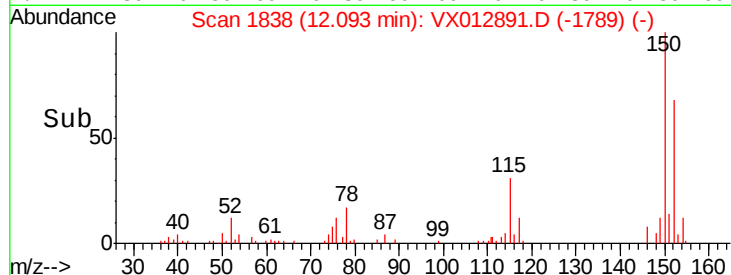
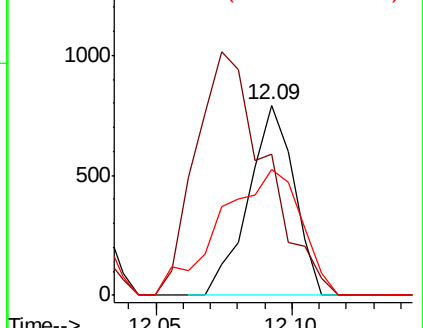
148 117.3 32.1 96.5#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#90

Hexachloroethane

Concen: 2.141 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX012891.D

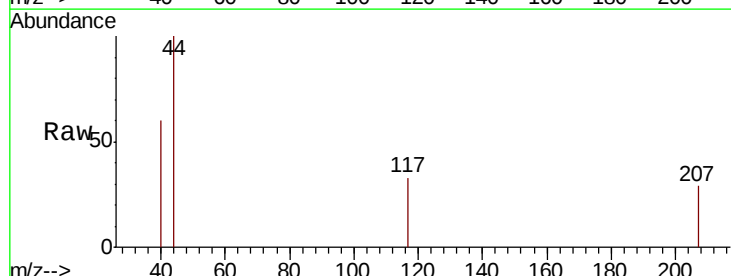
Acq: 08 Oct 2019 15:54

Tgt Ion:117 Resp: 28

Ion Ratio Lower Upper

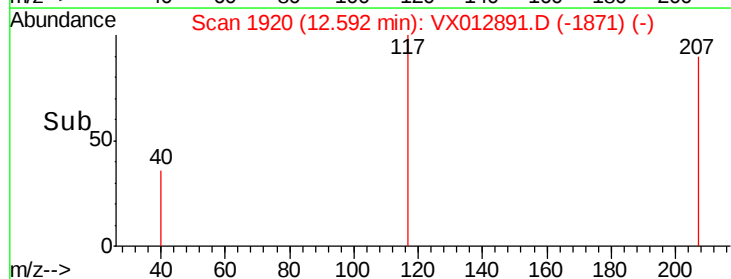
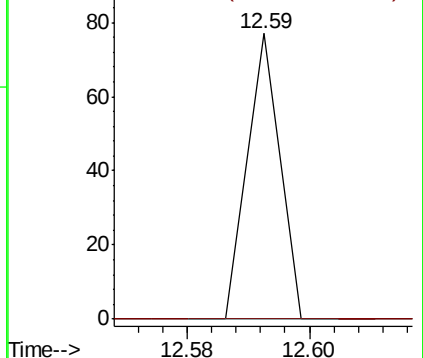
117 100

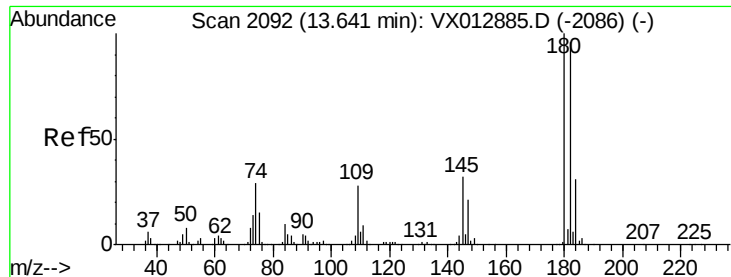
201 0.0 36.9 110.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

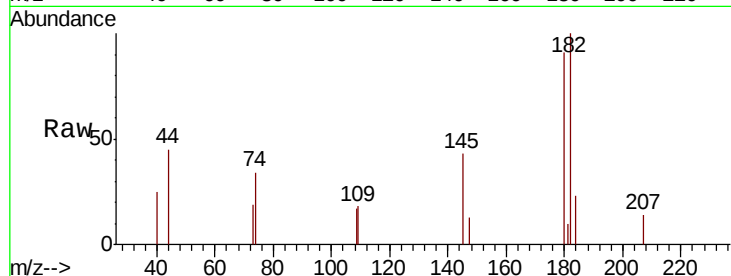




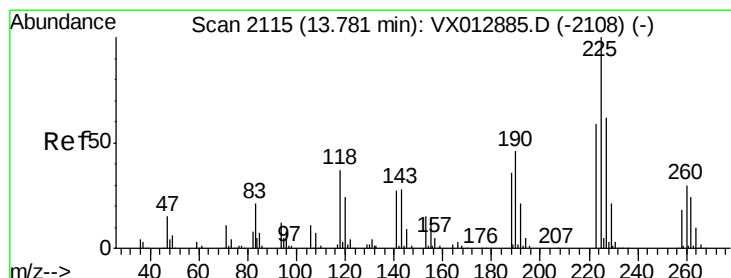
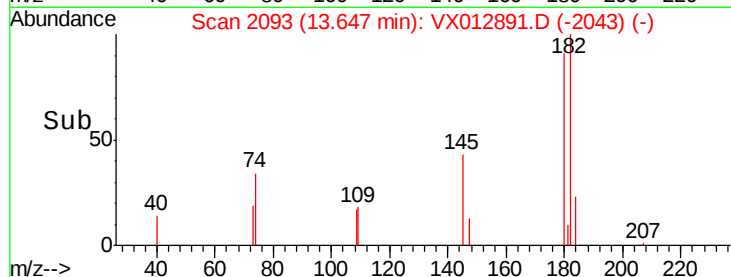
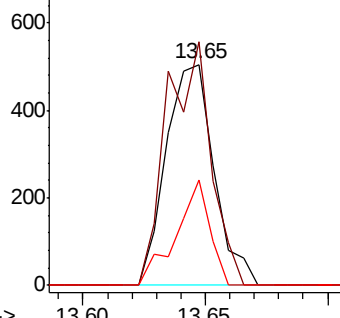
#93
 1,2,4-Trichlorobenzene
 Concen: 0.353 ug/l
 RT: 13.65 min Scan# 2093
 Delta R.T. 0.01 min
 Lab File: VX012891.D
 Acq: 08 Oct 2019 15:54

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	102.0	46.8	140.4
145	33.5	16.2	48.6

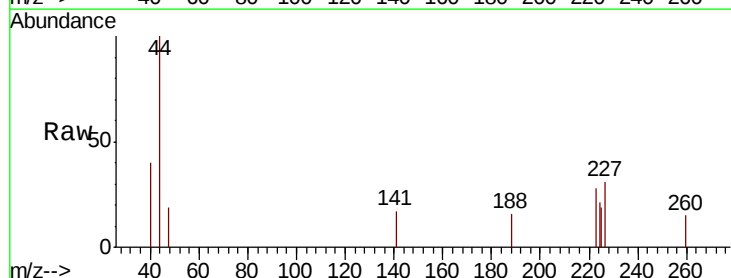


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

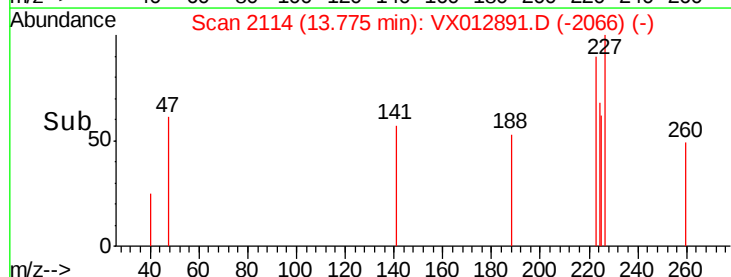
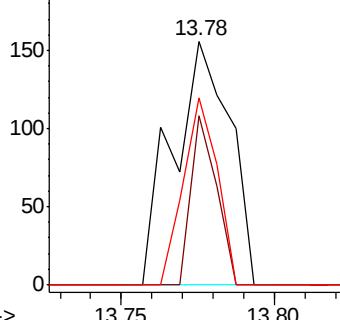


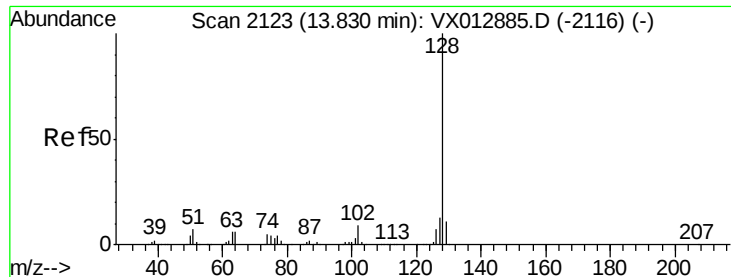
#94
 Hexachlorobutadiene
 Concen: 0.223 ug/l
 RT: 13.78 min Scan# 2114
 Delta R.T. -0.01 min
 Lab File: VX012891.D
 Acq: 08 Oct 2019 15:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	31.3	31.1	93.2
227	45.8	32.3	96.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

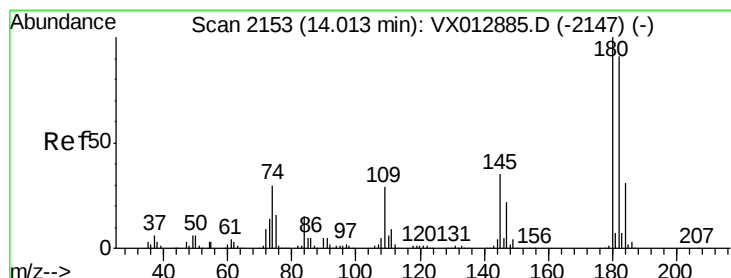
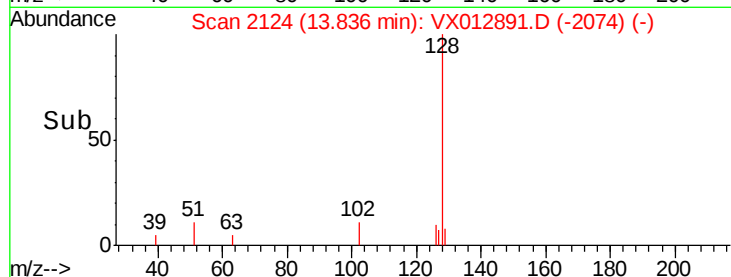
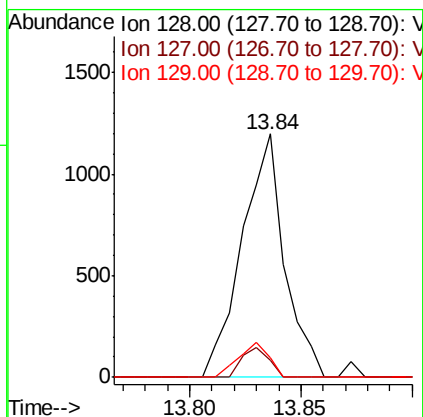
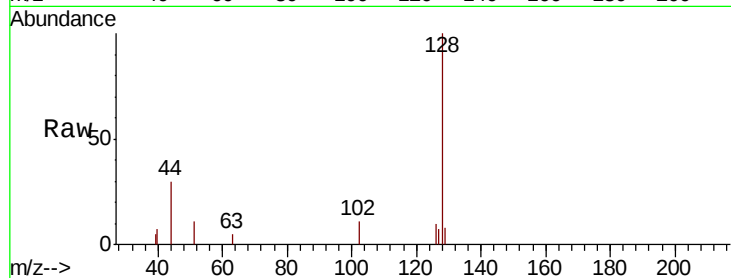




#95
Naphthalene
Concen: 0.235 ug/l
RT: 13.84 min Scan# 2124
Delta R.T. 0.01 min
Lab File: VX012891.D
Acq: 08 Oct 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 1588
Ion Ratio Lower Upper
128 100
127 7.8 10.2 15.4#
129 10.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.258 ug/l
RT: 14.02 min Scan# 2154
Delta R.T. 0.01 min
Lab File: VX012891.D
Acq: 08 Oct 2019 15:54

Tgt Ion:180 Resp: 520
Ion Ratio Lower Upper
180 100
182 109.0 47.5 142.5
145 18.7 17.4 52.3

