

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102519\
 Data File : VX013201.D
 Acq On : 24 Oct 2019 10:39
 Operator : JC/SP
 Sample : VX1025WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1025WBL01

Quant Time: Oct 25 01:17:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	87413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	126076	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	122883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	73819	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	92256	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
35) Dibromofluoromethane	5.48	113	70531	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
50) Toluene-d8	8.71	98	260863	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
62) 4-Bromofluorobenzene	11.13	95	96232	46.66	ug/l	0.00
Spiked Amount			Recovery	=	93.32%	

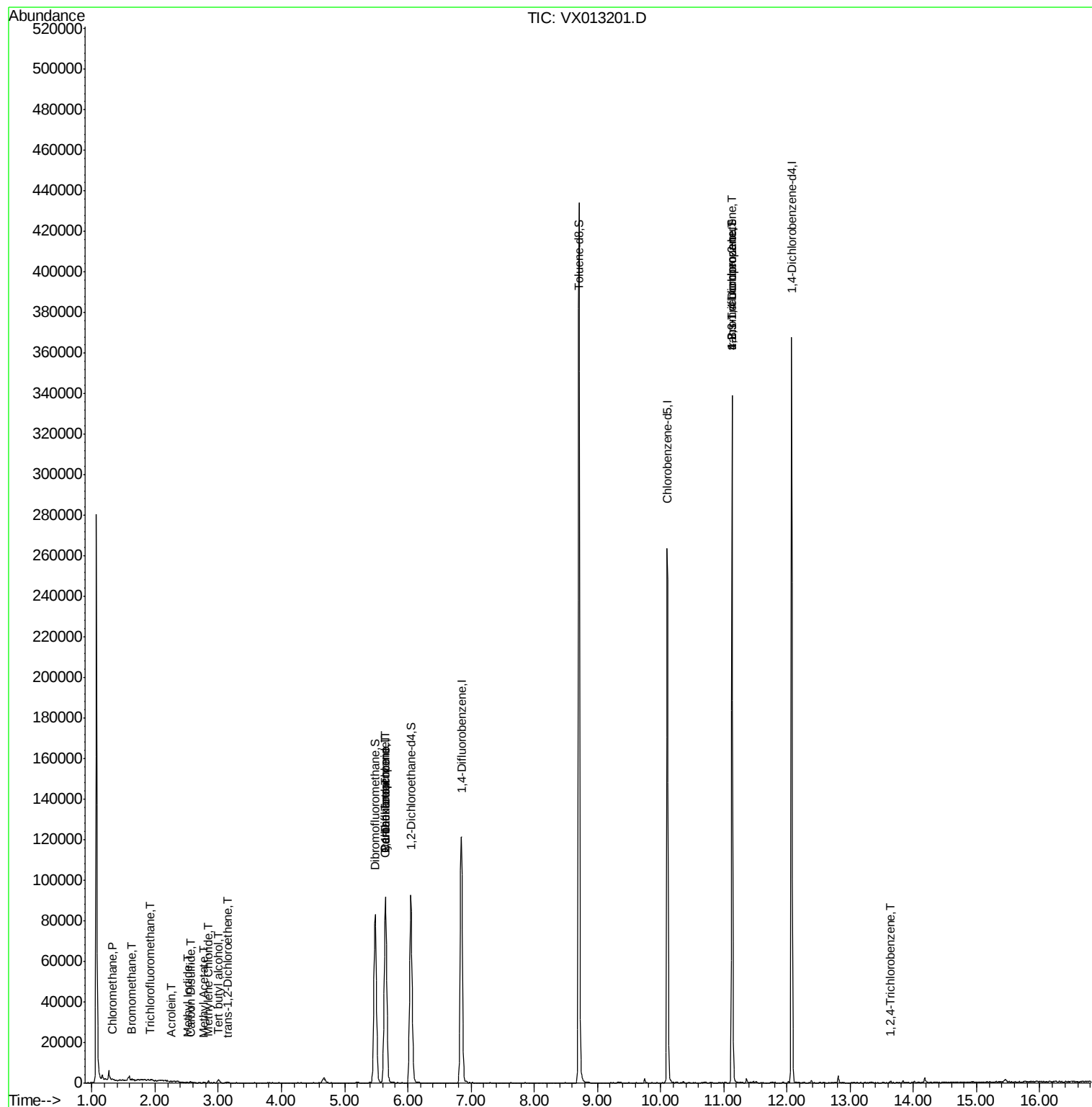
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	66	1.022	ug/l #	40
5) Bromomethane	1.64	94	364	0.433	ug/l #	66
6) Chloroethane	1.72	64	103	Below Cal	#	43
7) Trichlorofluoromethane	1.93	101	28	0.310	ug/l #	17
10) Methyl Iodide	2.51	142	373	3.718	ug/l #	74
11) Tert butyl alcohol	3.00	59	1202	1.976	ug/l #	72
13) Acrolein	2.25	56	45	0.210	ug/l #	13
17) Carbon Disulfide	2.56	76	923	0.231	ug/l #	74
18) Methyl Acetate	2.76	43	19	0.979	ug/l #	49
20) Methylene Chloride	2.84	84	497	0.595	ug/l #	61
21) trans-1,2-Dichloroethene	3.15	96	75	0.524	ug/l #	33
31) Cyclohexane	5.64	56	1629	0.689	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	6253	2.890	ug/l #	51
38) Carbon Tetrachloride	5.64	117	8824	3.787	ug/l #	15
64) Tetrachloroethene	9.32	164	64	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.13	75	48441	27.227	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	48441	74.818	ug/l #	11
93) 1,2,4-Trichlorobenzene	13.64	180	363	0.202	ug/l #	88

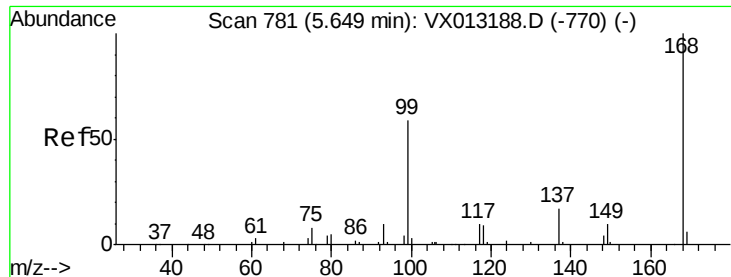
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 24 03:56:38 2019
Response via : Initial Calibration

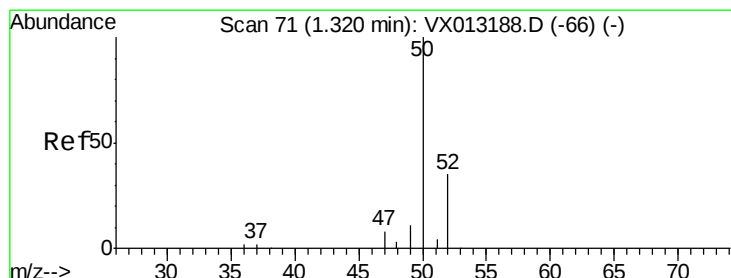
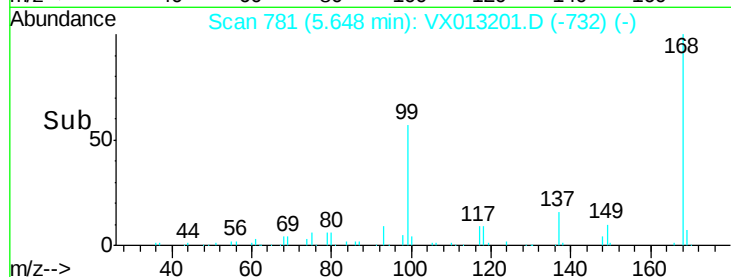
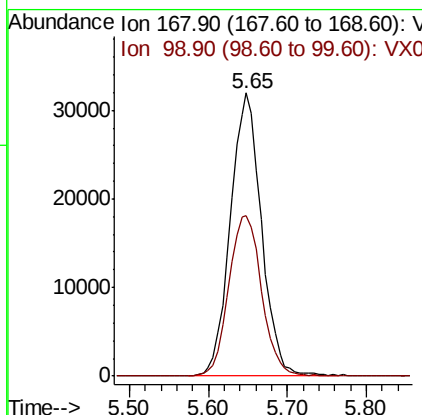
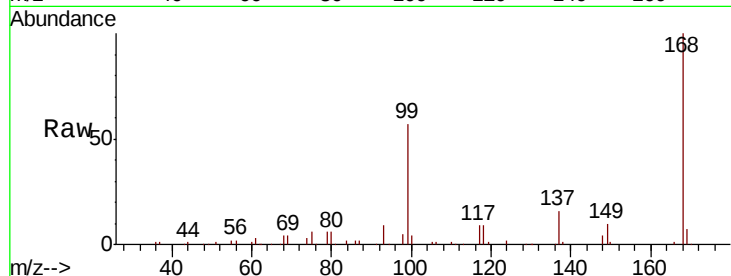




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.00 min
Lab File: VX013201.D
Acq: 24 Oct 2019 10:39

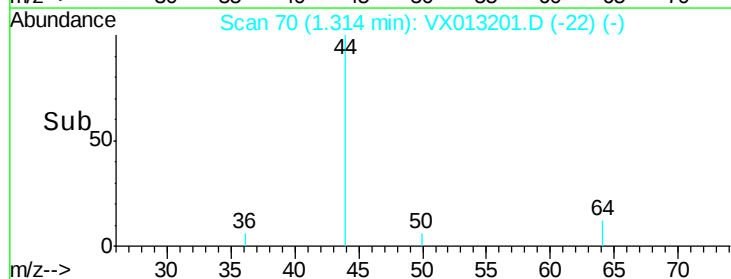
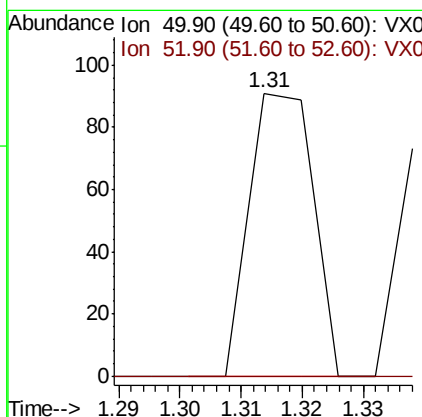
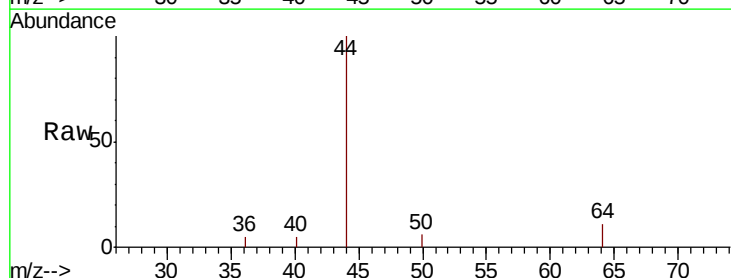
Instrument :
MSVOA_X
ClientSampleId :
VX1025WBL01

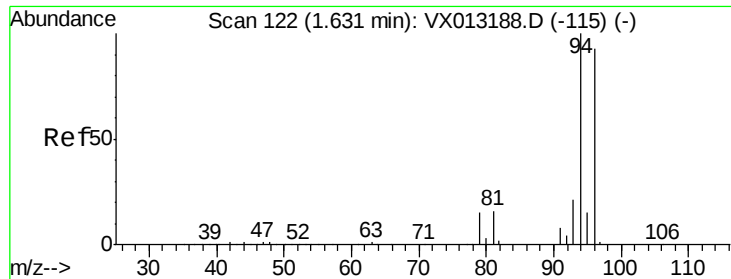
Tot Ion:168 Resp: 87413
Ion Ratio Lower Upper
168 100
99 56.8 47.0 70.4



#3
Chloromethane
Concen: 1.022 ug/l
RT: 1.31 min Scan# 70
Delta R.T. -0.01 min
Lab File: VX013201.D
Acq: 24 Oct 2019 10:39

Tgt Ion: 50 Resp: 66
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#





#5

Bromomethane

Concen: 0.433 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013201.D

Acq: 24 Oct 2019 10:39

Instrument :

MSVOA_X

ClientSampleId :

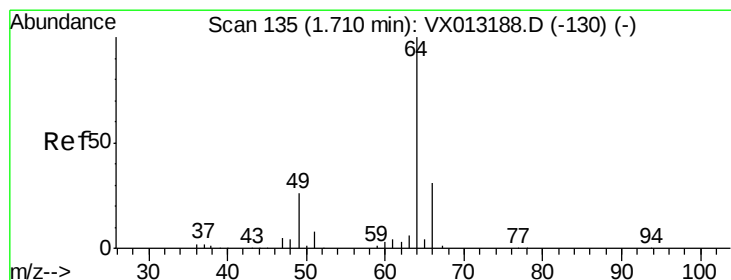
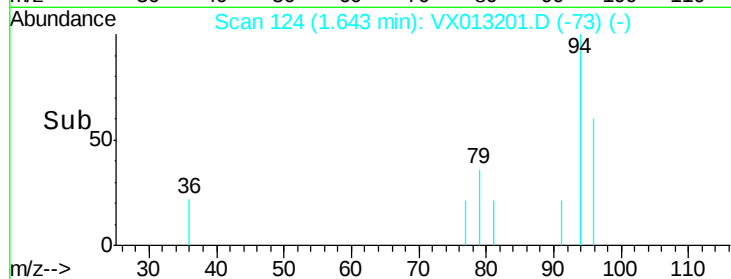
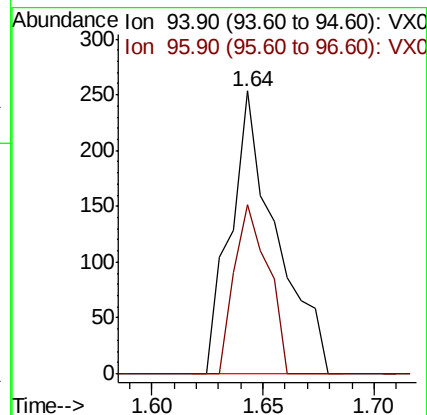
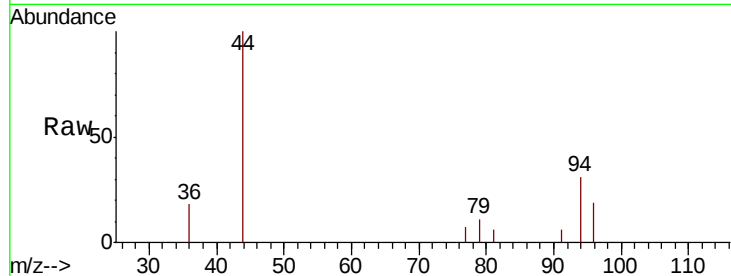
VX1025WBL01

Tot Ion: 94 Resp: 364

Ion Ratio Lower Upper

94 100

96 60.1 74.2 111.2#



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX013201.D

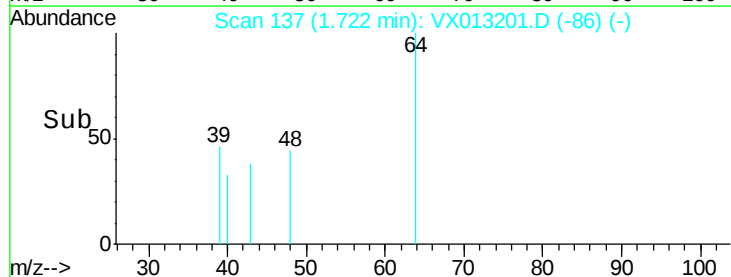
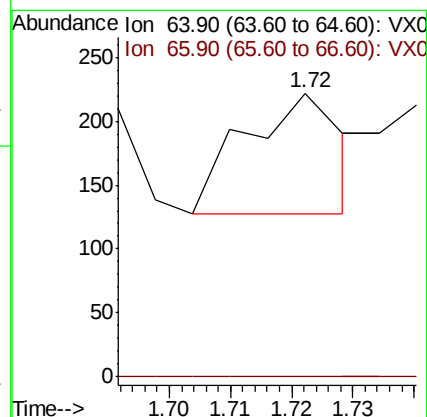
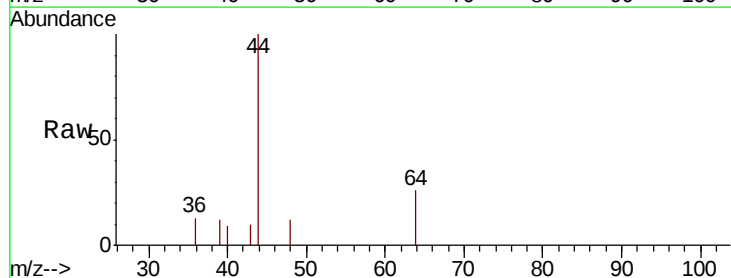
Acq: 24 Oct 2019 10:39

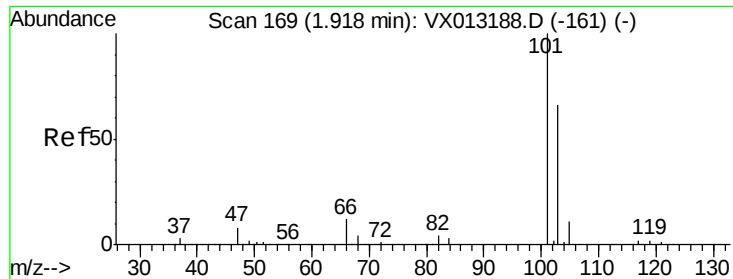
Tgt Ion: 64 Resp: 103

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.6#



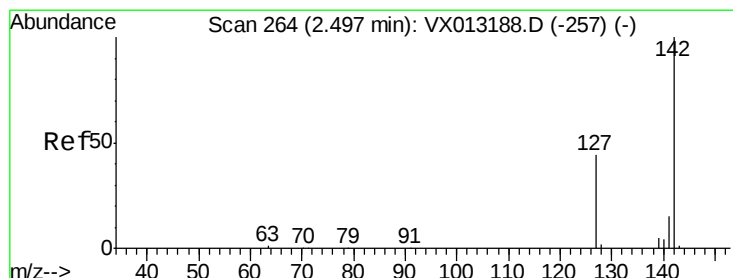
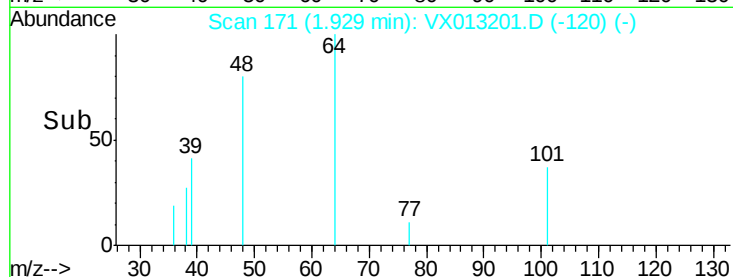
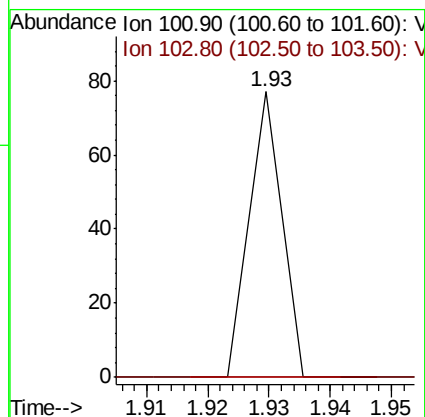
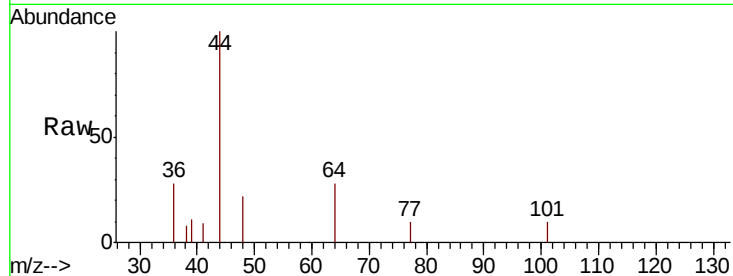


#7

Trichlorofluoromethane
Concen: 0.310 ug/l
RT: 1.93 min Scan# 171
Delta R.T. 0.01 min
Lab File: VX013201.D
Acq: 24 Oct 2019 10:39

Instrument :
MSVOA_X
ClientSampleId :
VX1025WBL01

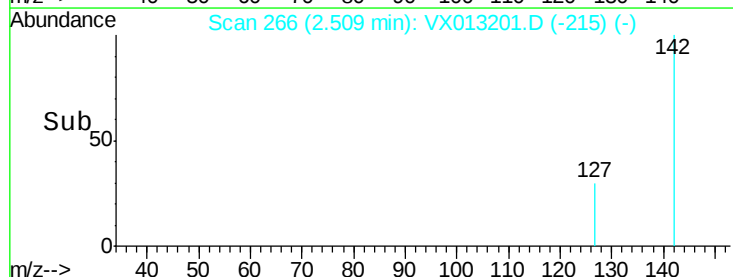
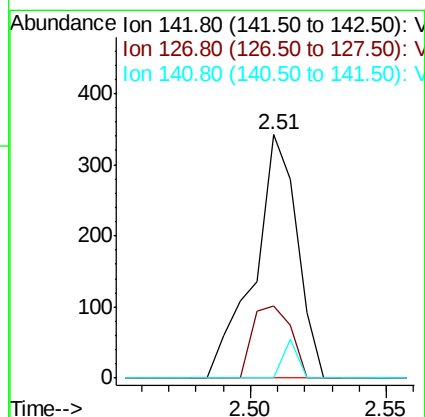
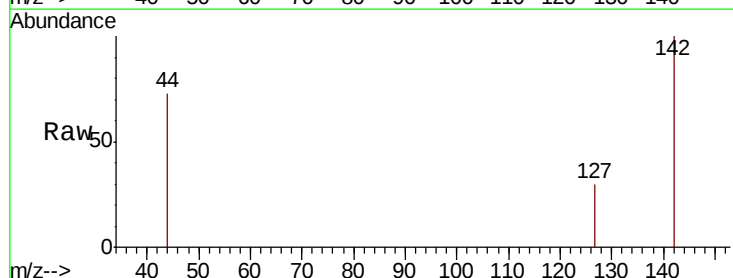
Tot Ion:101 Resp: 28
Ion Ratio Lower Upper
101 100
103 0.0 53.0 79.6#

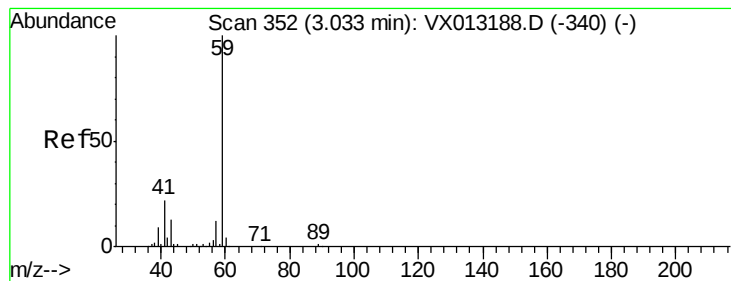


#10

Methyl Iodide
Concen: 3.718 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX013201.D
Acq: 24 Oct 2019 10:39

Tgt Ion:142 Resp: 373
Ion Ratio Lower Upper
142 100
127 26.5 35.6 53.4#
141 5.4 11.6 17.4#



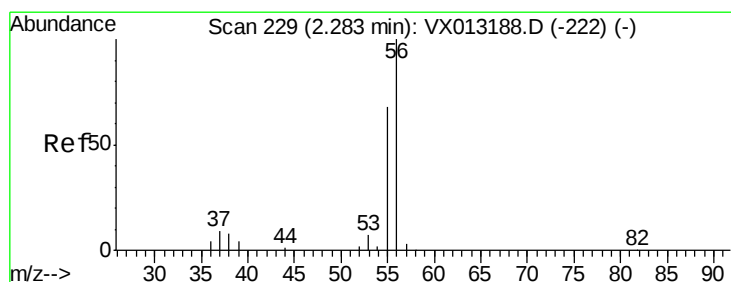
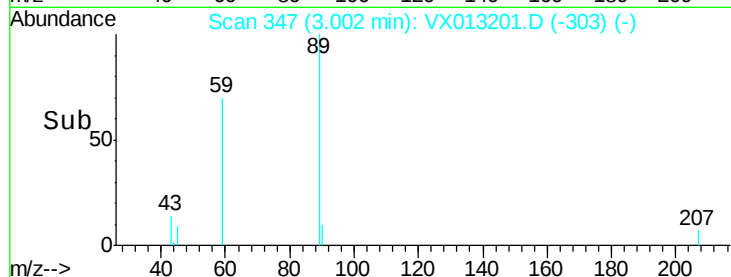
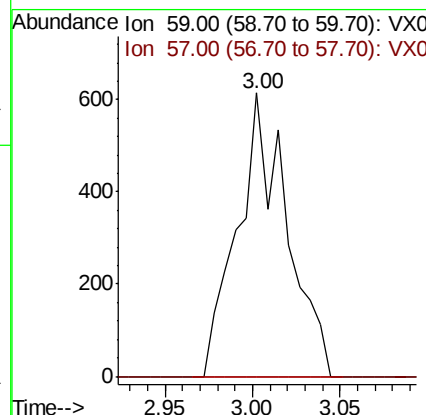
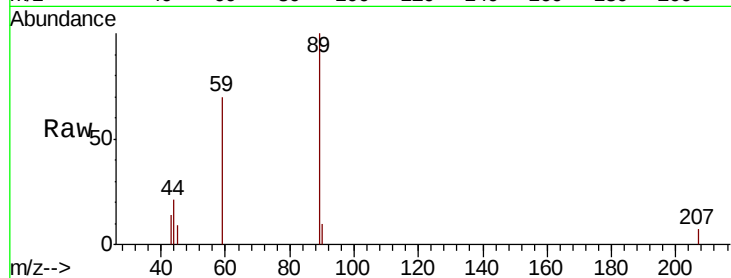


#11

Tert butvl alcohol
Concen: 1.976 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.03 min
Lab File: VX013201.D
Acq: 24 Oct 2019 10:39

Instrument :
MSVOA_X
ClientSampleId :
VX1025WBL01

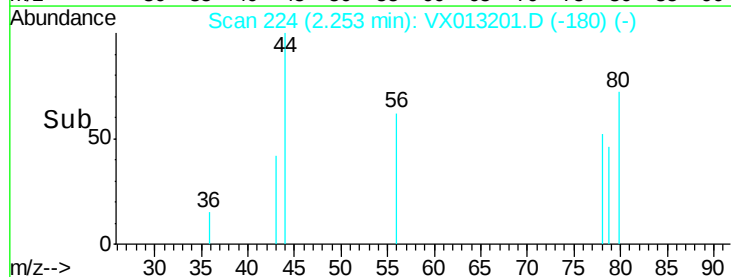
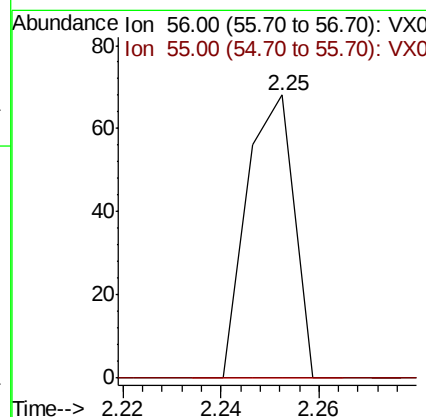
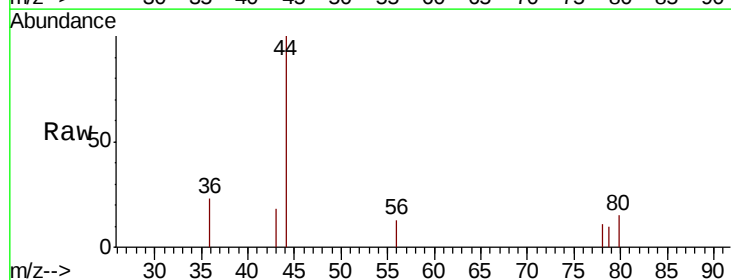
Tot Ion: 59 Resp: 1202
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

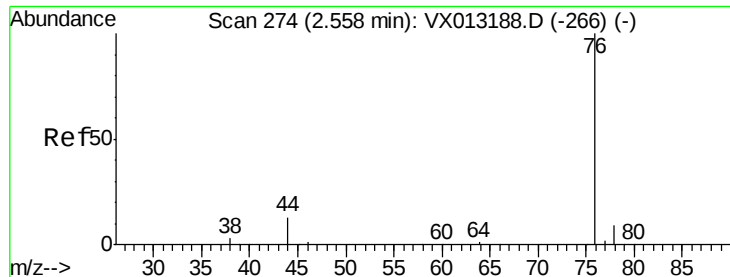


#13

Acrolein
Concen: 0.210 ug/l
RT: 2.25 min Scan# 224
Delta R.T. -0.03 min
Lab File: VX013201.D
Acq: 24 Oct 2019 10:39

Tgt Ion: 56 Resp: 45
Ion Ratio Lower Upper
56 100
55 0.0 58.9 88.3#

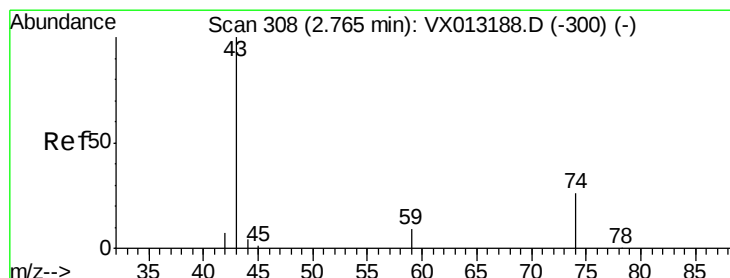
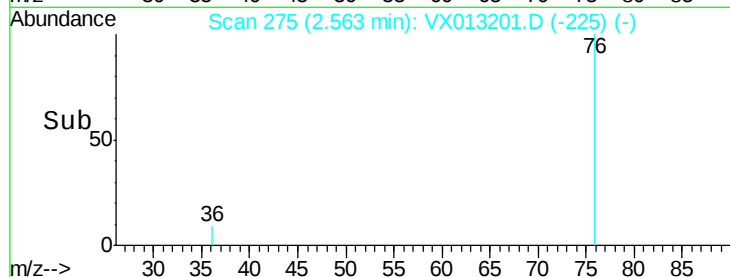
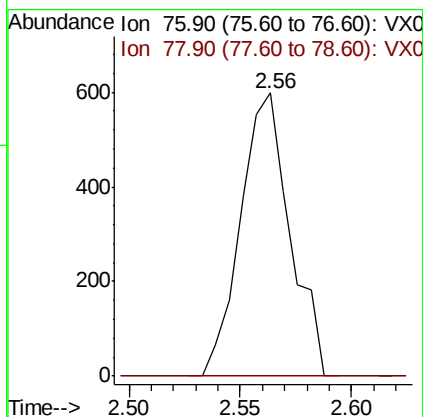
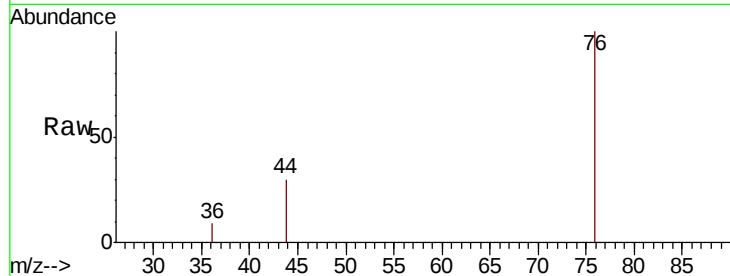




#17
Carbon Disulfide
Concen: 0.231 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX013201.D
Acq: 24 Oct 2019 10:39

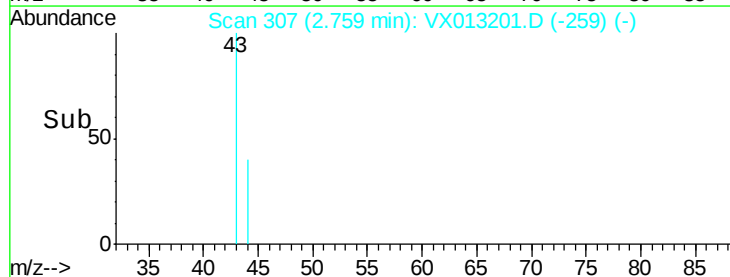
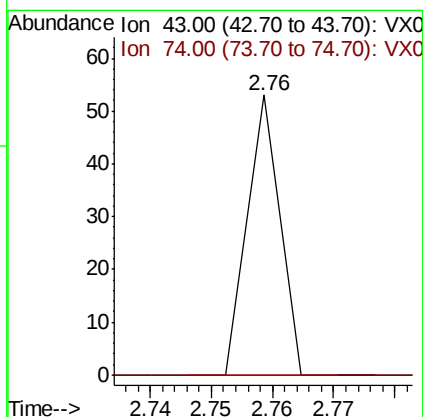
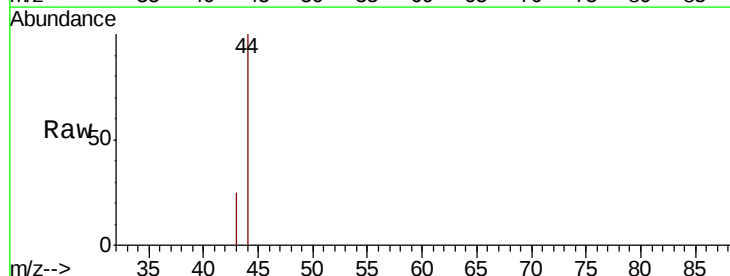
Instrument :
MSVOA_X
ClientSampleId :
VX1025WBL01

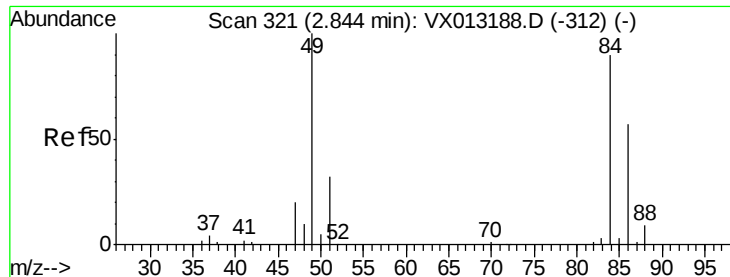
Tot Ion: 76 Resp: 923
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#18
Methyl Acetate
Concen: 0.979 ug/l
RT: 2.76 min Scan# 307
Delta R.T. -0.01 min
Lab File: VX013201.D
Acq: 24 Oct 2019 10:39

Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
74 0.0 20.9 31.3#

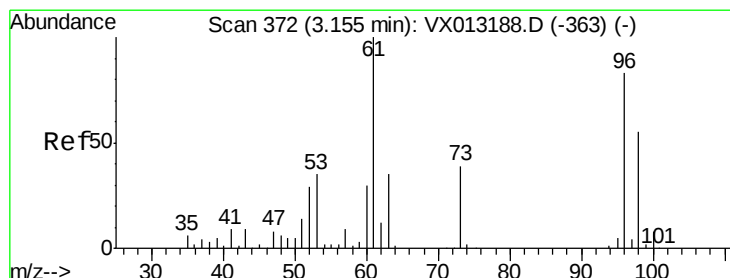
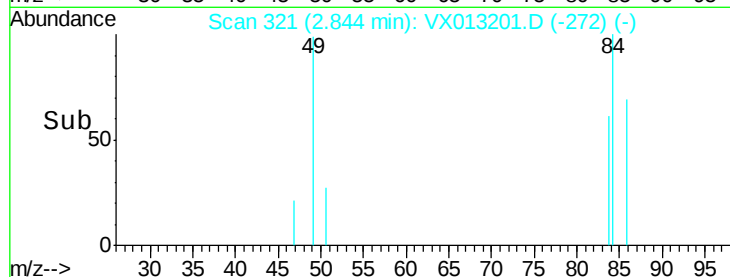
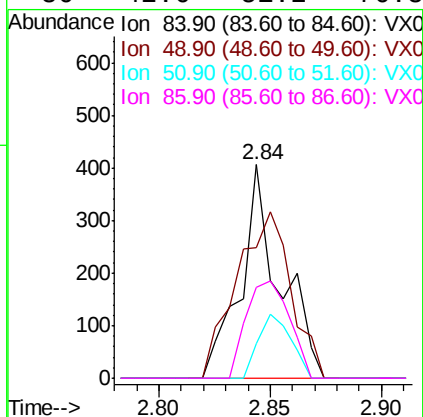
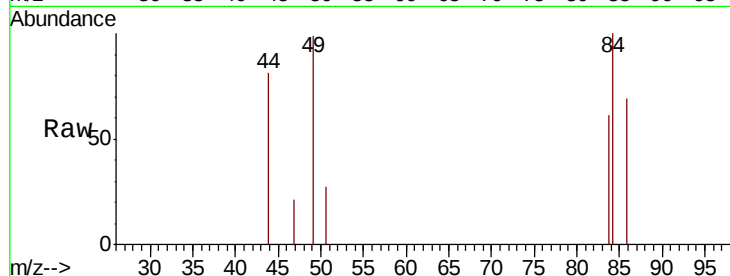




#20
Methvlene Chloride
Concen: 0.595 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX013201.D
Acq: 24 Oct 2019 10:39

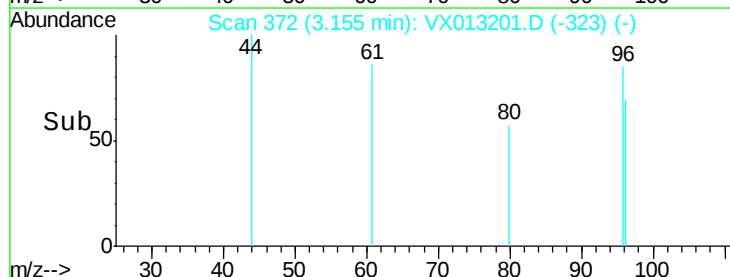
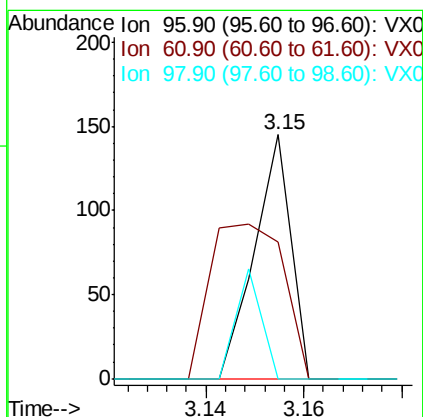
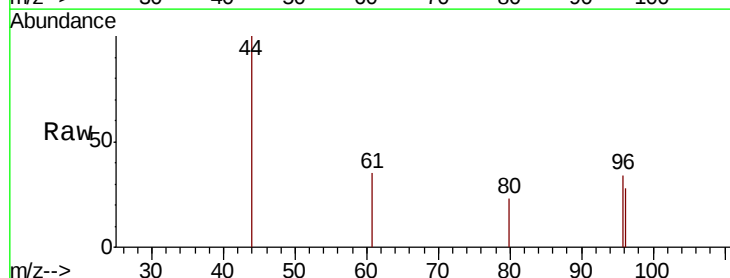
Instrument :
MSVOA_X
ClientSampleId :
VX1025WBL01

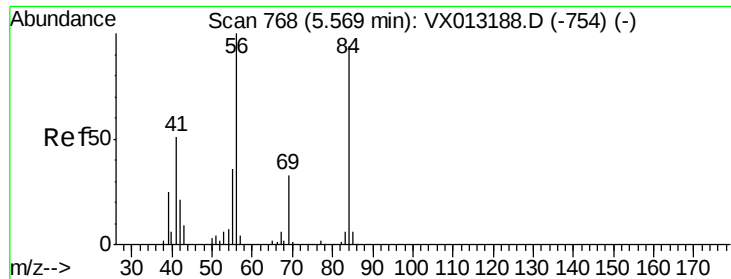
Tot Ion: 84 Resp: 497
Ion Ratio Lower Upper
84 100
49 61.3 89.2 133.8#
51 16.5 28.8 43.2#
86 42.6 51.2 76.8#



#21
trans-1,2-Dichloroethene
Concen: 0.524 ug/l
RT: 3.15 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX013201.D
Acq: 24 Oct 2019 10:39

Tgt Ion: 96 Resp: 75
Ion Ratio Lower Upper
96 100
61 55.9 96.9 145.3#
98 0.0 53.0 79.4#

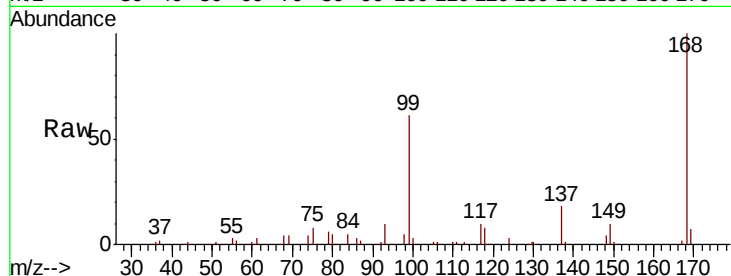




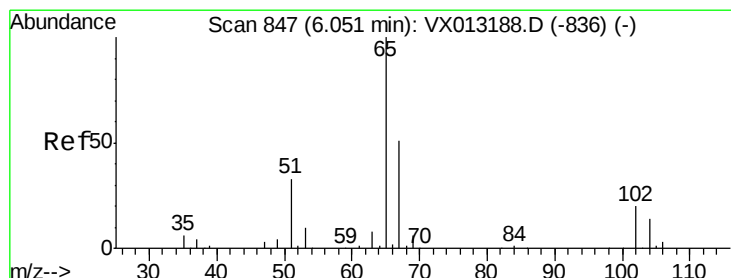
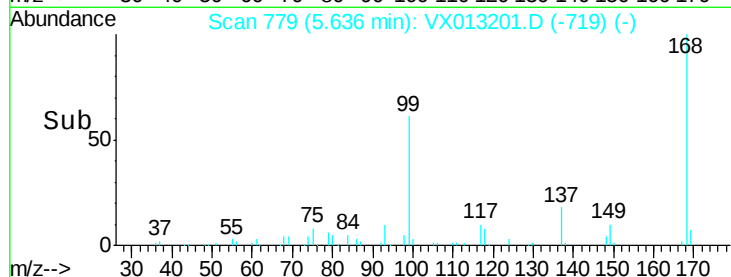
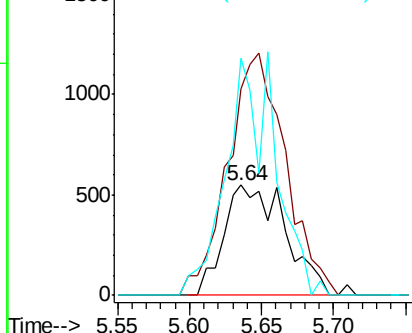
#31
Cyclohexane
Concen: 0.689 ug/l
RT: 5.64 min Scan# 779
Delta R.T. 0.07 min
Lab File: VX013201.D
Acq: 24 Oct 2019 10:39

Instrument :
MSVOA_X
ClientSampleId :
VX1025WBL01

Tot Ion: 56 Resp: 1629
Ion Ratio Lower Upper
56 100
69 187.1 26.3 39.5#
84 214.9 73.8 110.6#

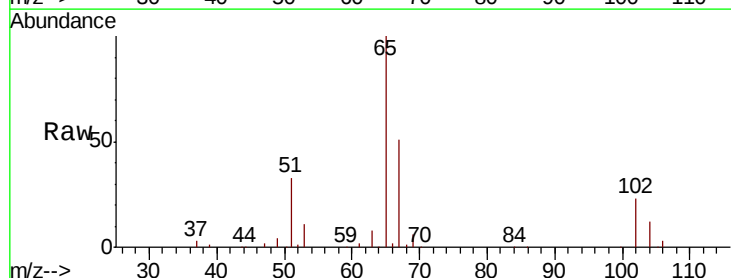


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

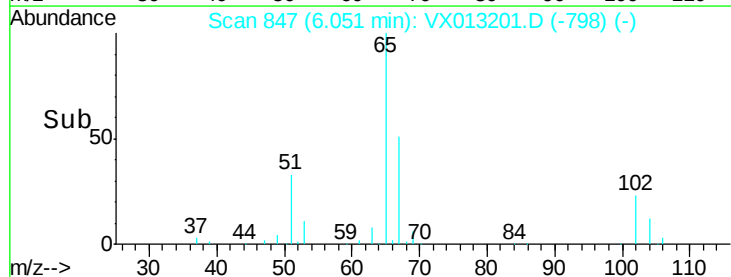
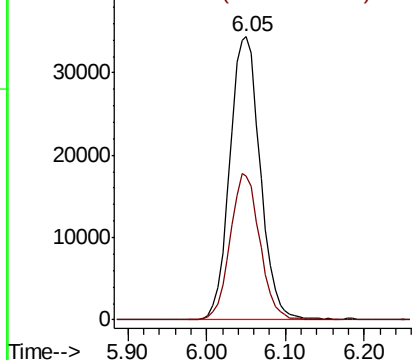


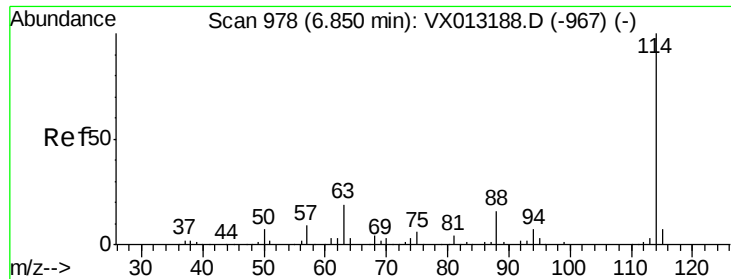
#33
1,2-Dichloroethane-d4
Concen: 50.460 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX013201.D
Acq: 24 Oct 2019 10:39

Tgt Ion: 65 Resp: 92256
Ion Ratio Lower Upper
65 100
67 50.3 0.0 102.6



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

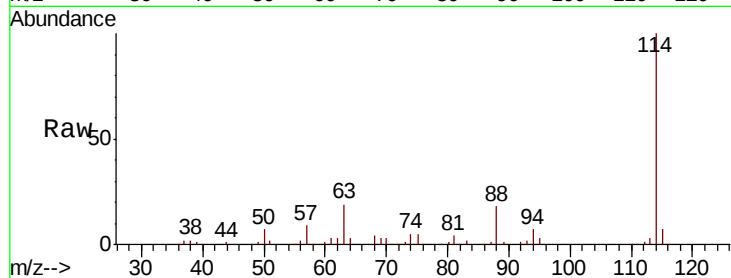




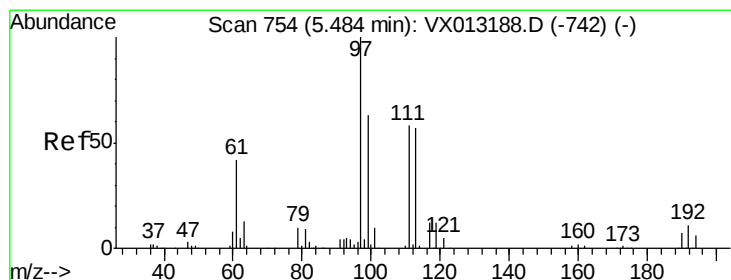
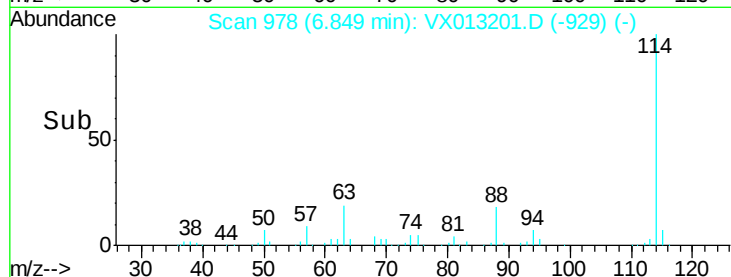
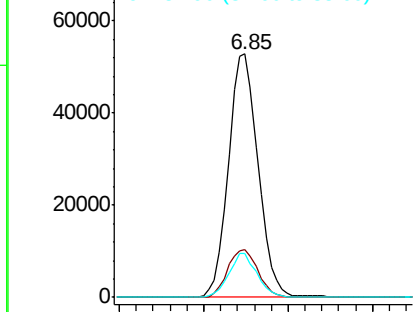
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. -0.00 min
Lab File: VX013201.D
Acq: 24 Oct 2019 10:39

Instrument :
MSVOA_X
ClientSampleId :
VX1025WBL01

Tot Ion:114 Resp: 126076
Ion Ratio Lower Upper
114 100
63 19.4 0.0 39.0
88 18.0 0.0 32.0

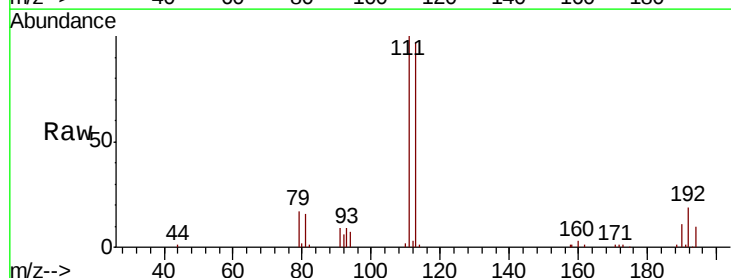


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

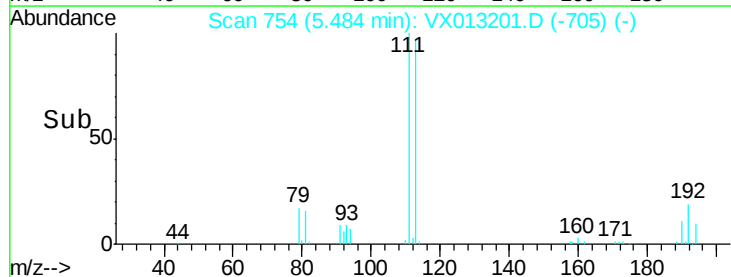
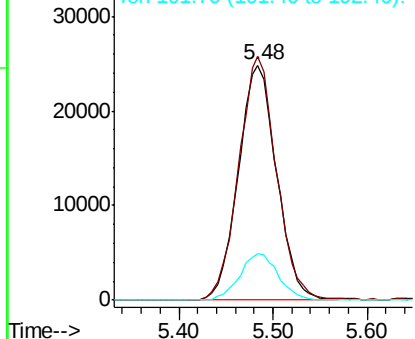


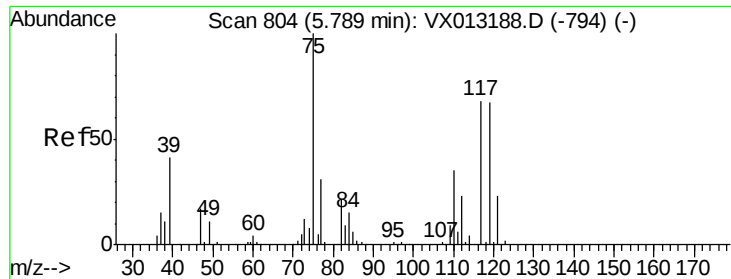
#35
Dibromofluoromethane
Concen: 50.167 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX013201.D
Acq: 24 Oct 2019 10:39

Tgt Ion:113 Resp: 70531
Ion Ratio Lower Upper
113 100
111 102.4 80.3 120.5
192 20.0 15.9 23.9



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

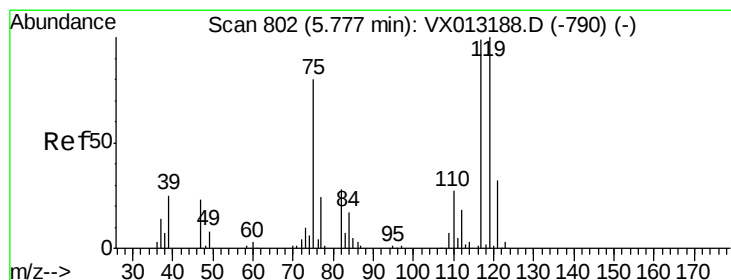
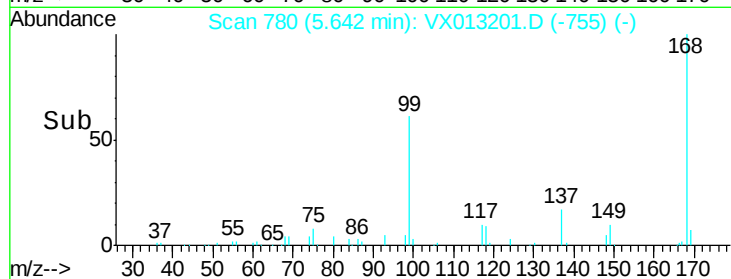
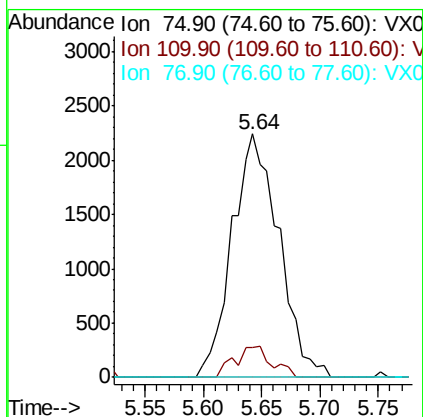
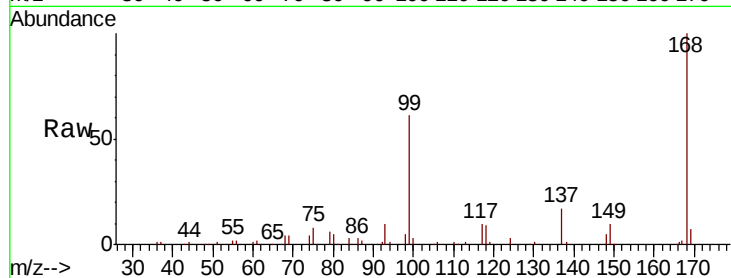




#36
 1,1-Dichloropropene
 Concen: 2.890 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX013201.D
 Acq: 24 Oct 2019 10:39

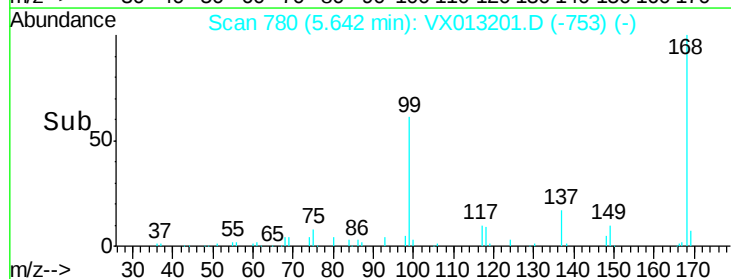
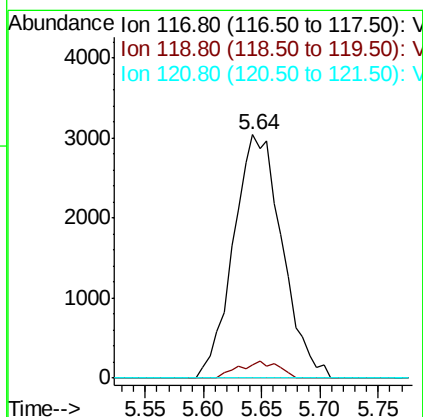
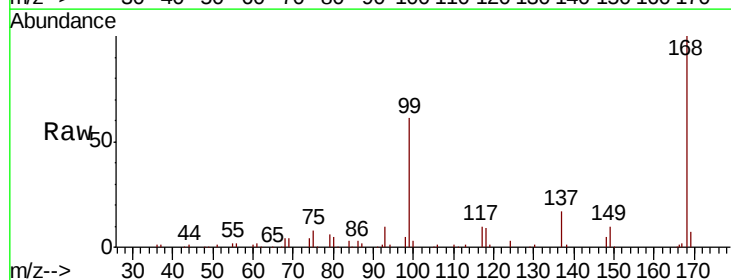
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1025WBL01

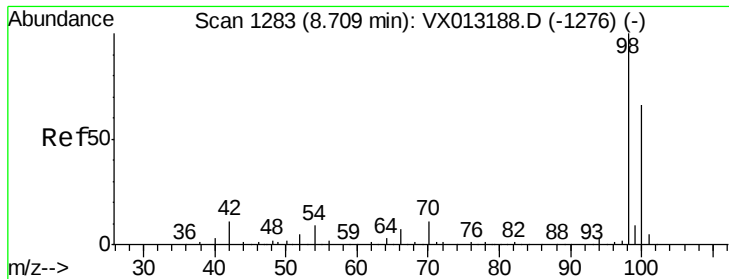
Tot Ion: 75 Resp: 6253
 Ion Ratio Lower Upper
 75 100
 110 10.0 17.6 52.9#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 3.787 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.13 min
 Lab File: VX013201.D
 Acq: 24 Oct 2019 10:39

Tgt Ion: 117 Resp: 8824
 Ion Ratio Lower Upper
 117 100
 119 5.6 80.1 120.1#
 121 0.0 25.5 38.3#

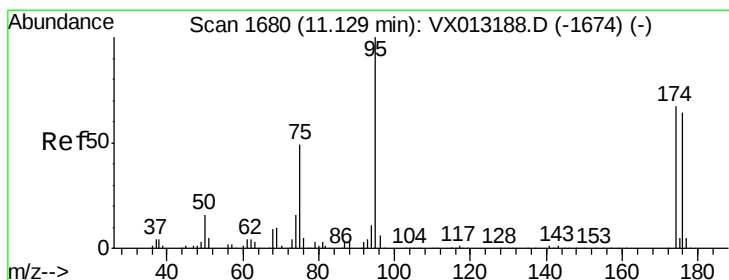
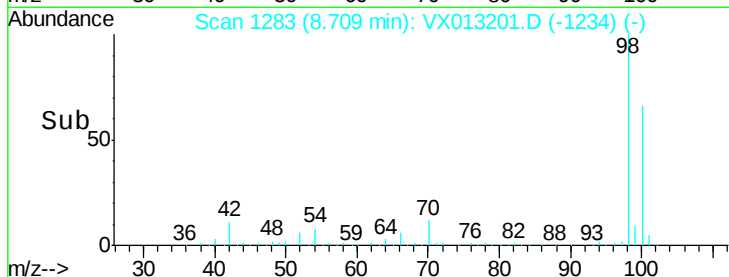
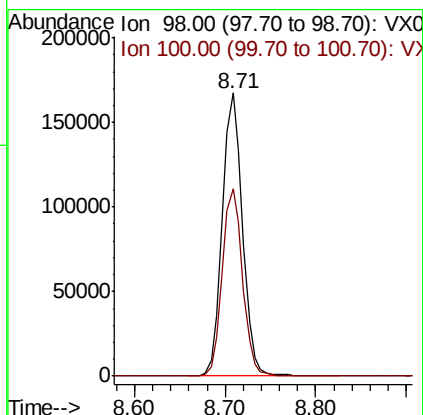
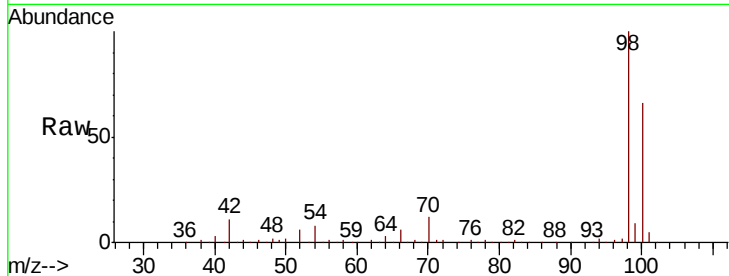




#50
Toluene-d8
Concen: 50.068 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013201.D
Acq: 24 Oct 2019 10:39

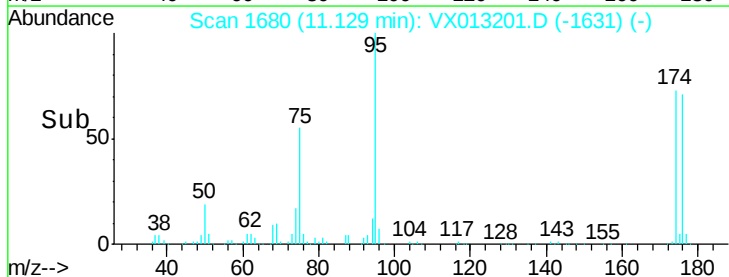
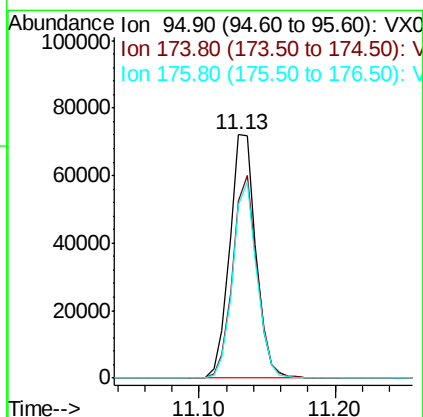
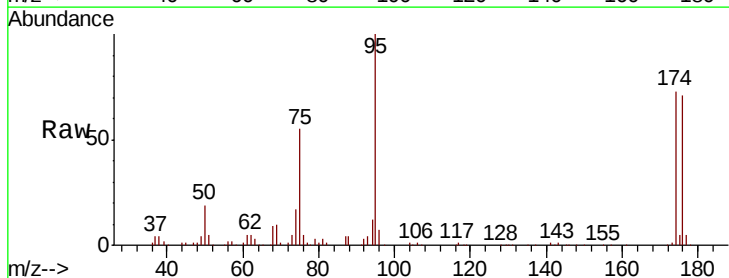
Instrument :
MSVOA_X
ClientSampleId :
VX1025WBL01

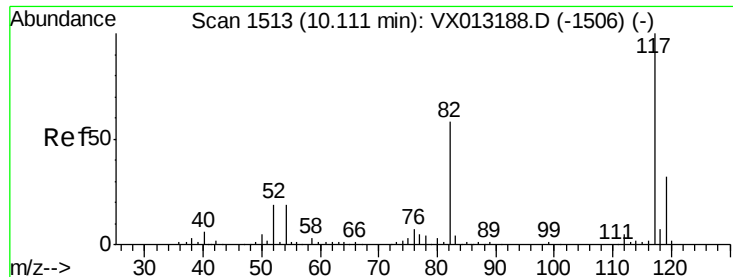
Tot Ion: 98 Resp: 260863
Ion Ratio Lower Upper
98 100
100 66.5 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 46.664 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX013201.D
Acq: 24 Oct 2019 10:39

Tgt Ion: 95 Resp: 96232
Ion Ratio Lower Upper
95 100
174 78.1 0.0 152.4
176 74.6 0.0 146.0

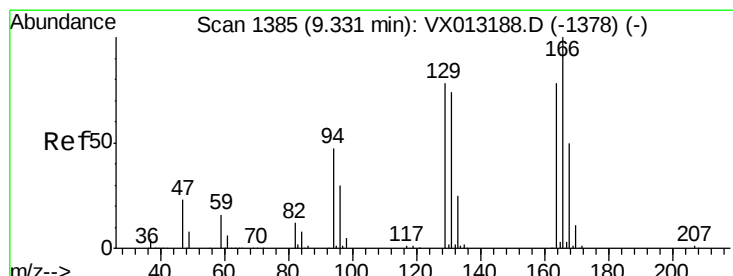
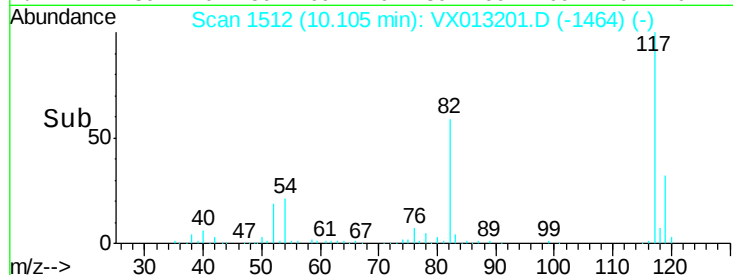
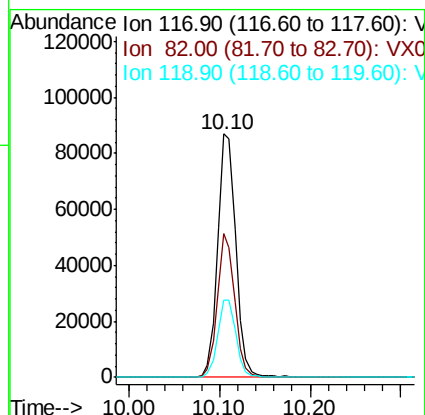
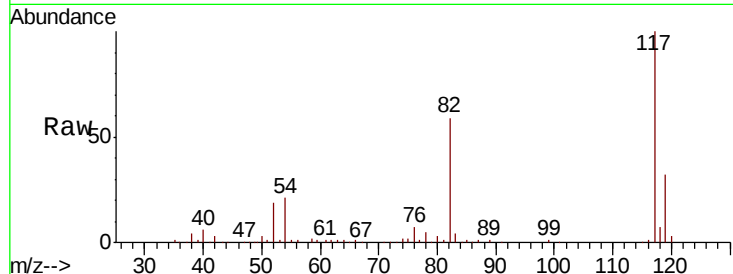




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013201.D
Acq: 24 Oct 2019 10:39

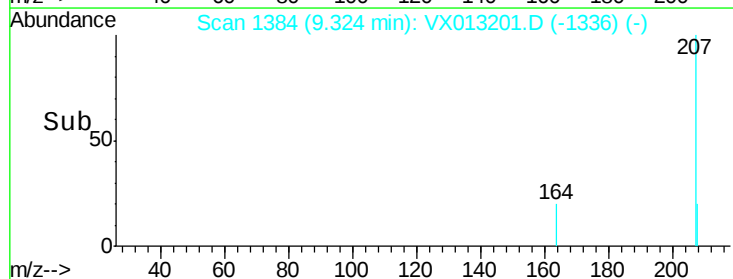
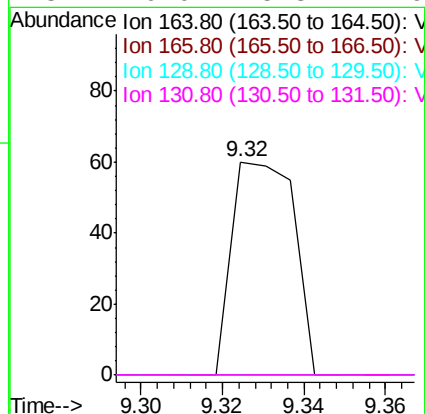
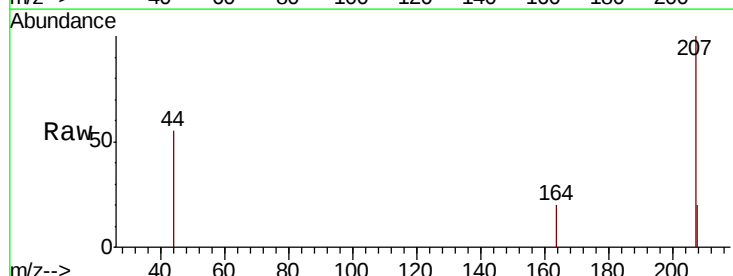
Instrument :
MSVOA_X
ClientSampleId :
VX1025WBL01

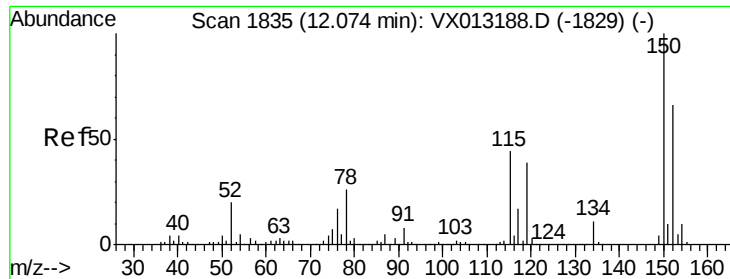
Tot Ion:117 Resp: 122883
Ion Ratio Lower Upper
117 100
82 59.0 46.5 69.7
119 31.6 25.2 37.8



#64
Tetrachloroethene
Concen: Below Cal
RT: 9.32 min Scan# 1384
Delta R.T. -0.01 min
Lab File: VX013201.D
Acq: 24 Oct 2019 10:39

Tgt Ion:164 Resp: 64
Ion Ratio Lower Upper
164 100
166 0.0 102.2 153.4#
129 0.0 79.8 119.8#
131 0.0 75.3 112.9#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013201.D

Acq: 24 Oct 2019 10:39

Instrument :

MSVOA_X

ClientSampleId :

VX1025WBL01

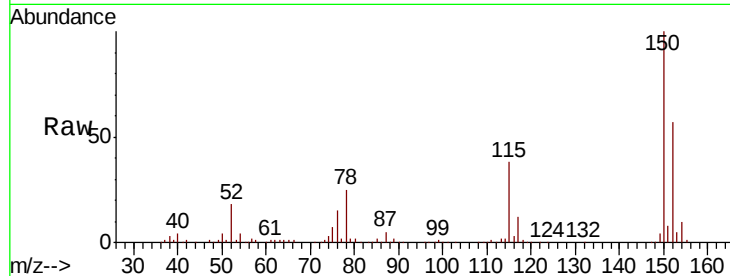
Tot Ion:152 Resp: 73819

Ion Ratio Lower Upper

152 100

115 64.5 46.6 139.8

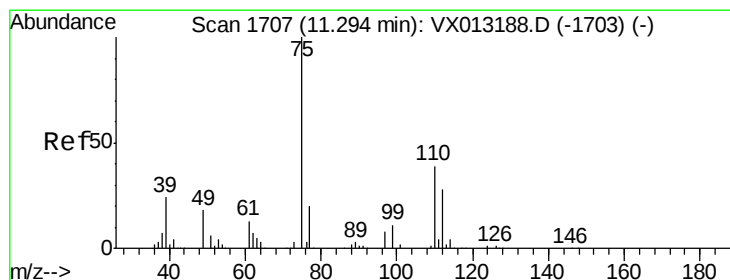
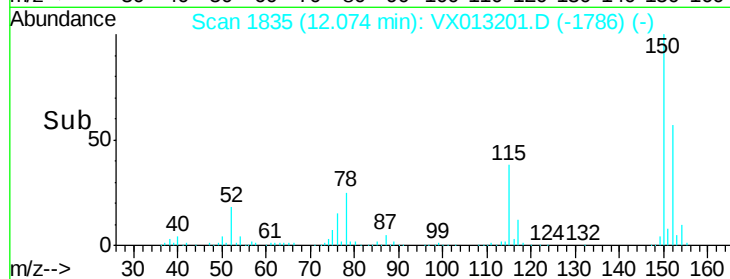
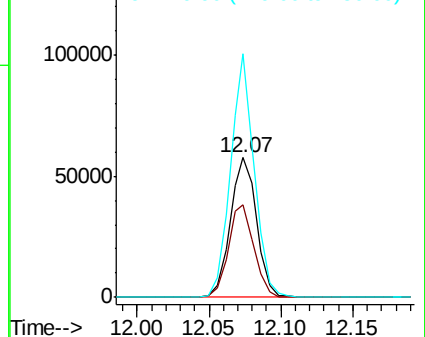
150 156.7 0.0 354.0



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: 27.227 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013201.D

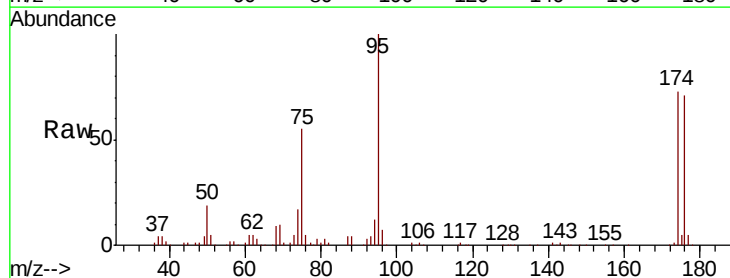
Acq: 24 Oct 2019 10:39

Tgt Ion: 75 Resp: 48441

Ion Ratio Lower Upper

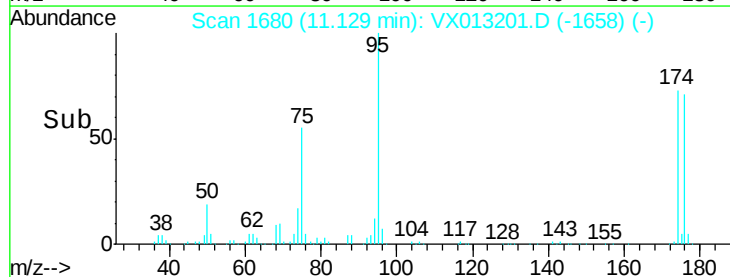
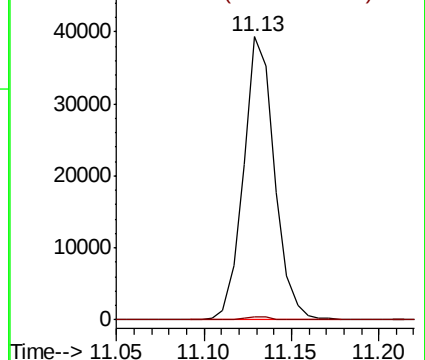
75 100

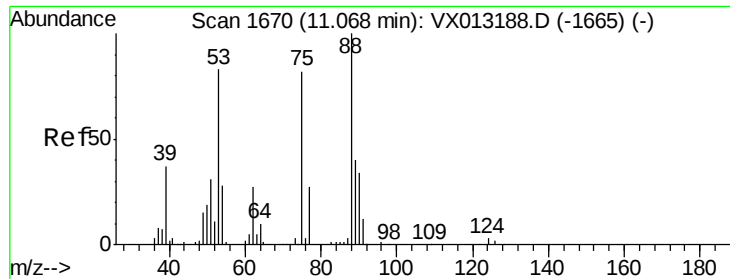
77 1.0 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

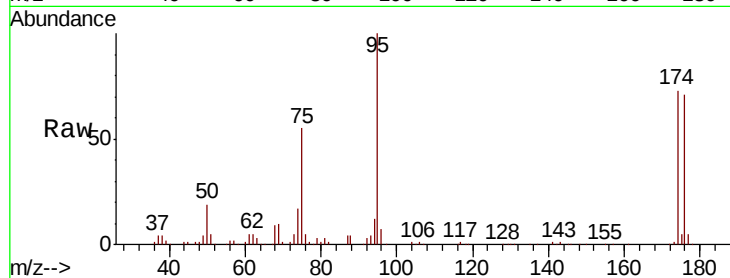




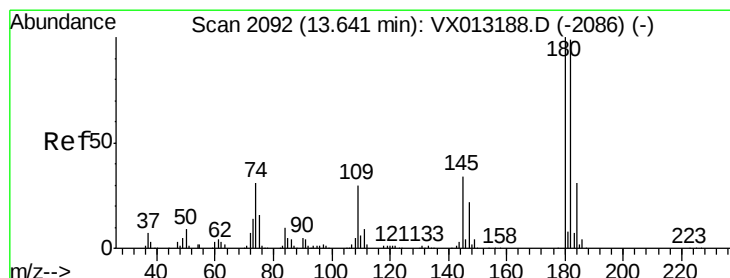
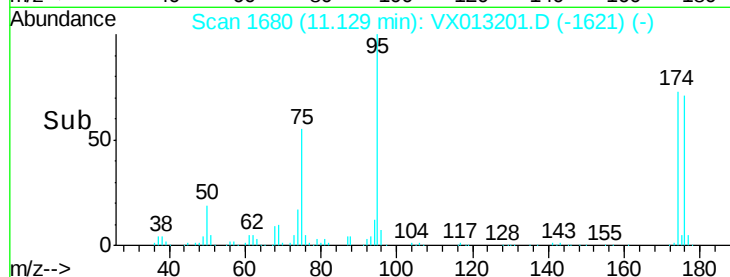
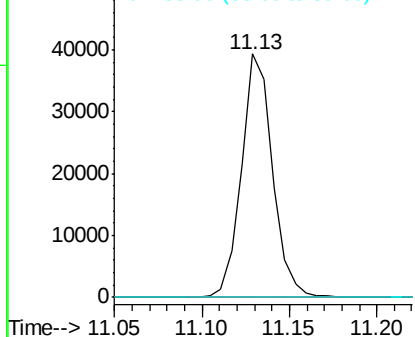
#81
trans-1,4-Dichloro-2-butene
Concen: 74.818 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX013201.D
Acq: 24 Oct 2019 10:39

Instrument :
MSVOA_X
ClientSampleId :
VX1025WBL01

Tot Ion: 75 Resp: 48441
Ion Ratio Lower Upper
75 100
53 0.0 77.9 116.9#
89 0.2 37.3 55.9#

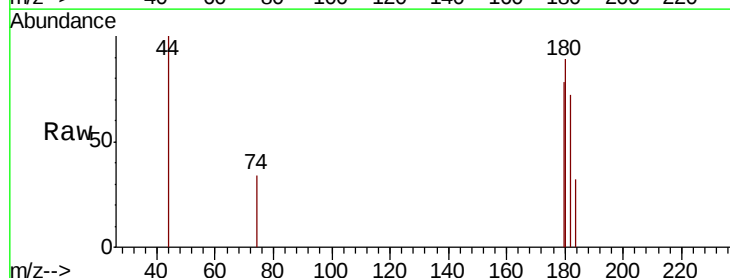


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#93
1,2,4-Trichlorobenzene
Concen: 0.202 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. -0.00 min
Lab File: VX013201.D
Acq: 24 Oct 2019 10:39

Tgt Ion: 180 Resp: 363
Ion Ratio Lower Upper
180 100
182 91.5 45.9 137.6
145 5.2 15.9 47.6#



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

