

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020420\
 Data File : VX014801.D
 Acq On : 04 Feb 2020 11:42
 Operator : JC/SP
 Sample : VX0204WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0204WBL01

Quant Time: Feb 05 03:00:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 12:35:15 2020
 Response via : Initial Calibration

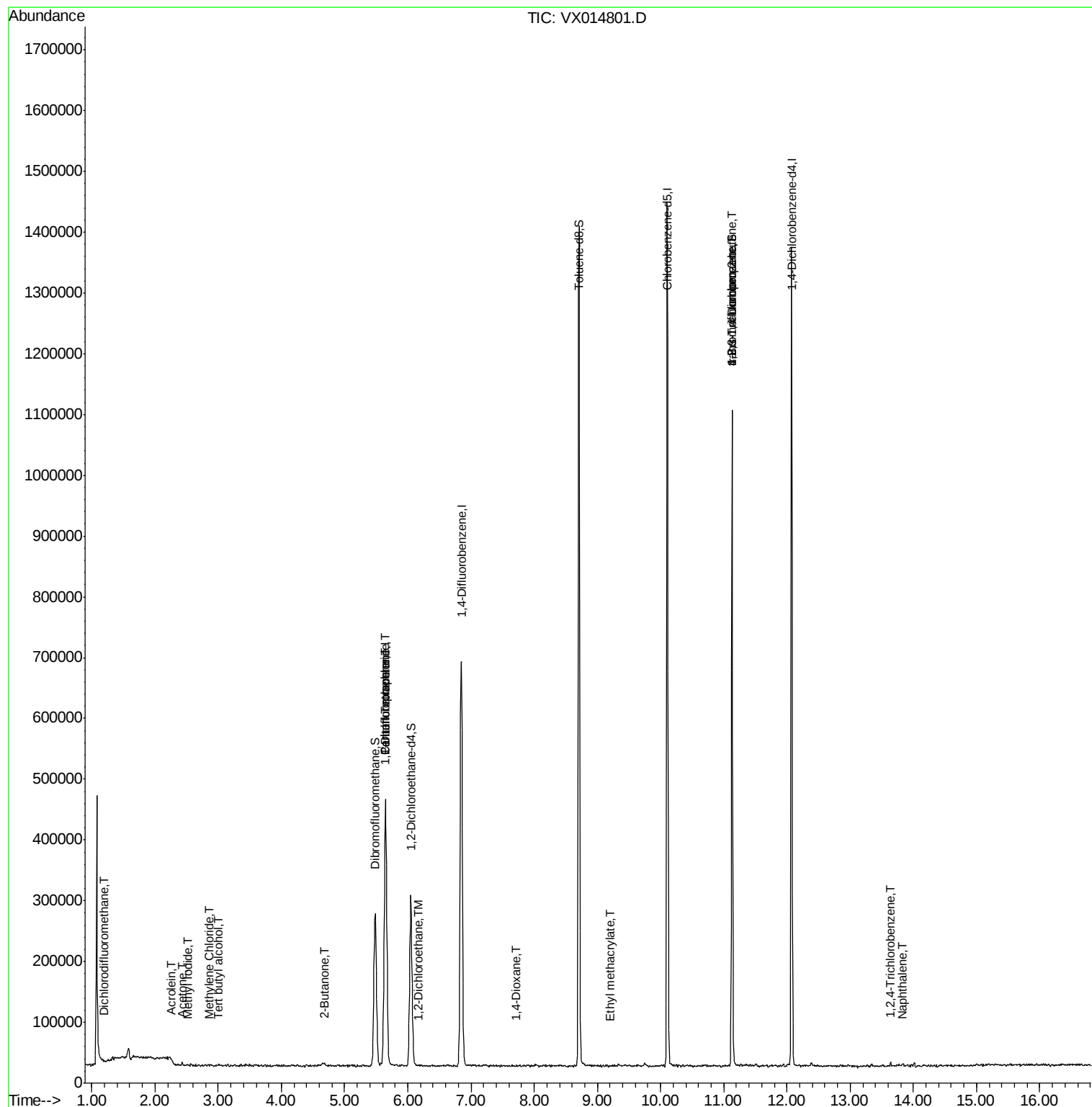
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	444974	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	697065	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	634649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	286169	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	259739	49.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.98%	
35) Dibromofluoromethane	5.48	113	219650	49.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.88%	
50) Toluene-d8	8.71	98	829576	49.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.12%	
62) 4-Bromofluorobenzene	11.13	95	276904	45.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.94%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.19	85	223	0.568	ug/l #	54
6) Chloroethane	1.72	64	275	Below Cal	#	44
10) Methyl Iodide	2.51	142	1875	0.321	ug/l	91
11) Tert butyl alcohol	3.01	59	1064	0.912	ug/l #	72
13) Acrolein	2.27	56	365	0.397	ug/l #	14
16) Acetone	2.43	43	5339	2.024	ug/l	97
20) Methylene Chloride	2.85	84	1206	0.229	ug/l #	58
25) 2-Butanone	4.69	43	2506	0.614	ug/l #	66
36) 1,1-Dichloropropene	5.64	75	31229	4.821	ug/l #	42
38) Carbon Tetrachloride	5.65	117	39700	6.418	ug/l #	14
41) Methacrylonitrile	5.05	41	981	Below Cal	#	50
42) 1,2-Dichloroethane	6.17	62	1435	0.208	ug/l #	68
49) 1,4-Dioxane	7.72	88	190	1.544	ug/l #	1
56) Ethyl methacrylate	9.20	69	404	1.830	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	139539	20.958	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	139539	59.643	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.64	180	1617	0.260	ug/l #	78
95) Naphthalene	13.84	128	3174	1.087	ug/l #	82

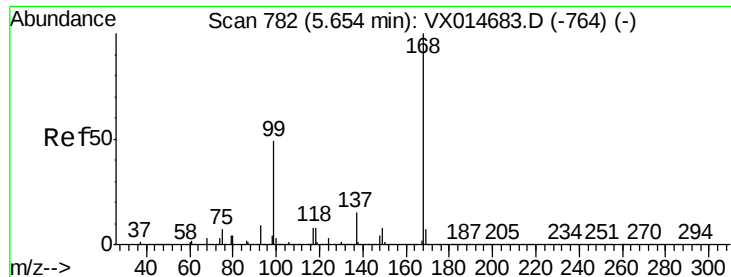
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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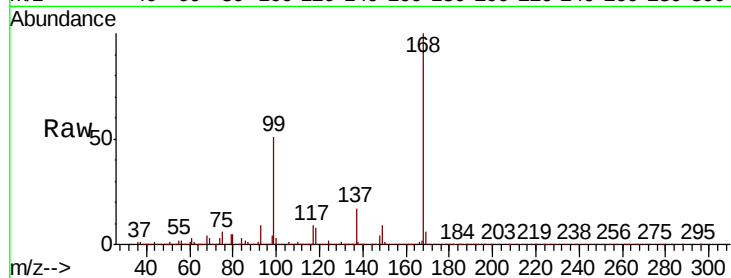


#1

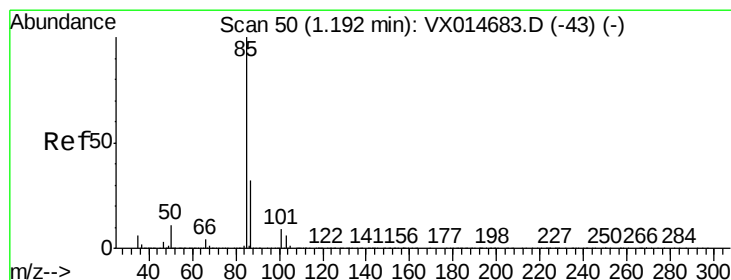
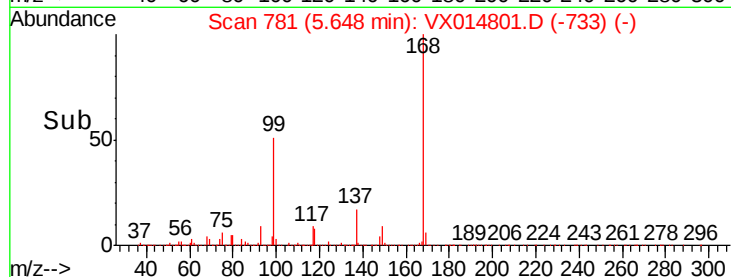
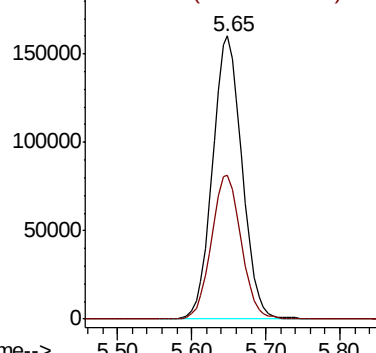
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.01 min
Lab File: VX014801.D
Acq: 04 Feb 2020 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBL01

Tot Ion:168 Resp: 444974
Ion Ratio Lower Upper
168 100
99 50.5 39.8 59.6



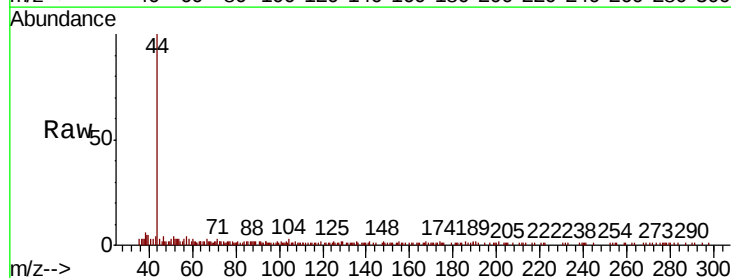
Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VX0



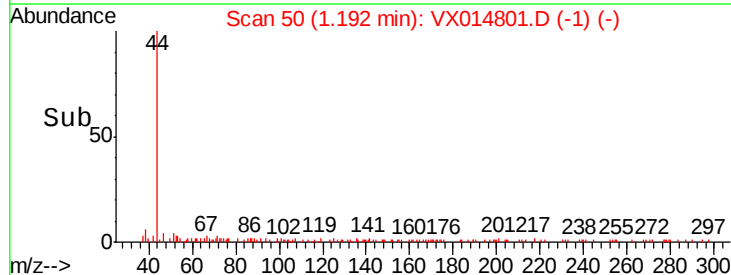
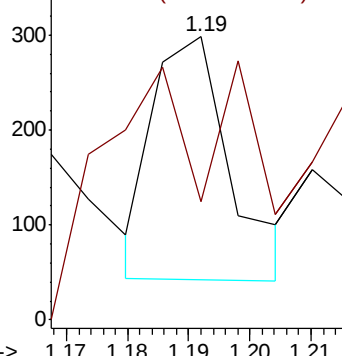
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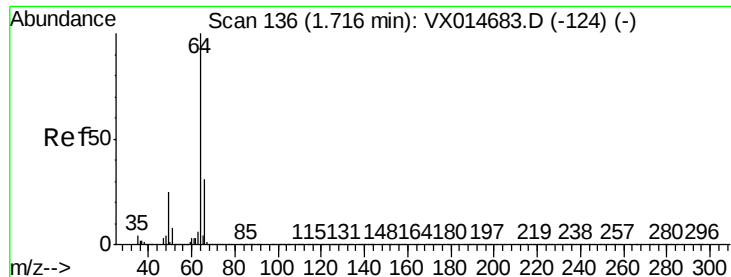
Dichlorodifluoromethane
Concen: 0.568 ug/l
RT: 1.19 min Scan# 50
Delta R.T. 0.00 min
Lab File: VX014801.D
Acq: 04 Feb 2020 11:42

Tgt Ion: 85 Resp: 223
Ion Ratio Lower Upper
85 100
87 6.7 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0
Ion 86.90 (86.60 to 87.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX014801.D

Acq: 04 Feb 2020 11:42

Instrument :

MSVOA_X

ClientSampleId :

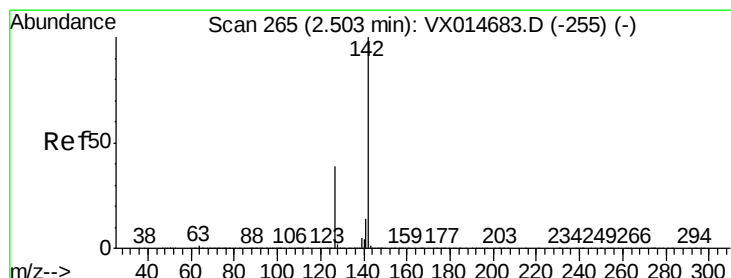
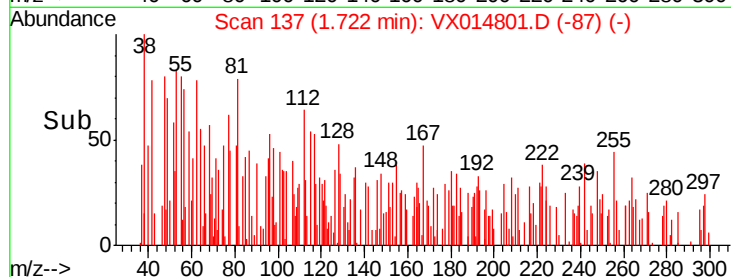
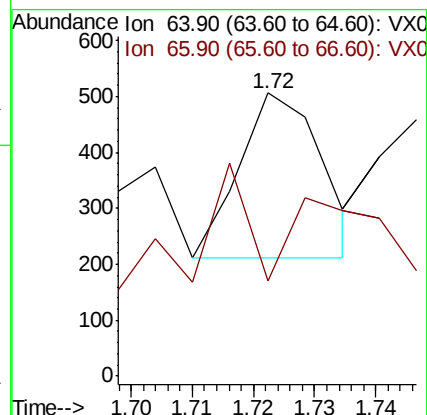
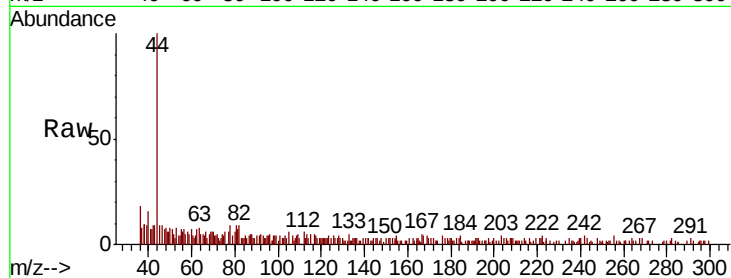
VX0204WBL01

Tot Ion: 64 Resp: 275

Ion Ratio Lower Upper

64 100

66 0.7 25.2 37.8#



#10

Methyl Iodide

Concen: 0.321 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX014801.D

Acq: 04 Feb 2020 11:42

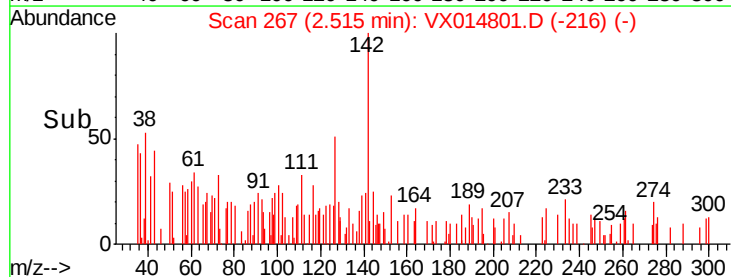
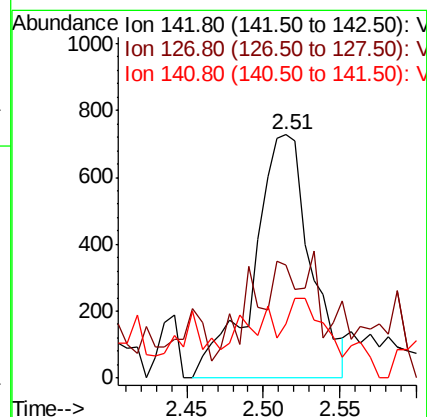
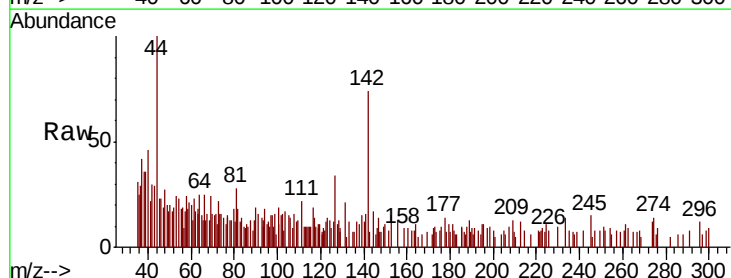
Tgt Ion: 142 Resp: 1875

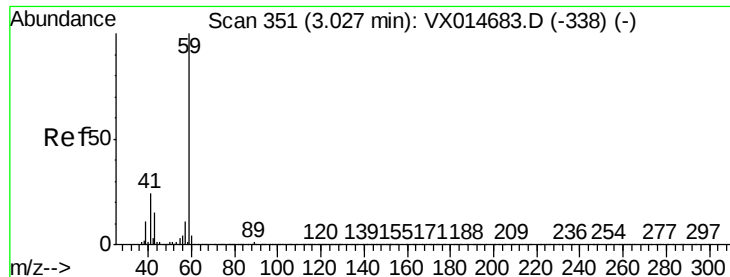
Ion Ratio Lower Upper

142 100

127 46.0 31.1 46.7

141 15.3 11.3 16.9

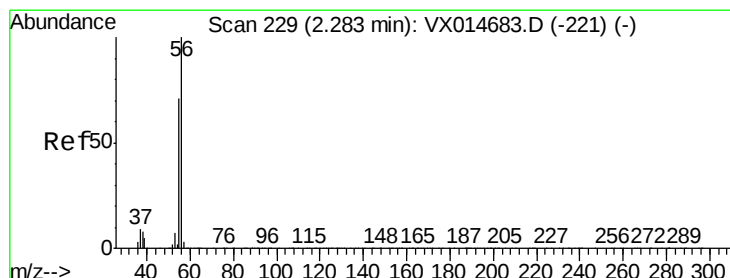
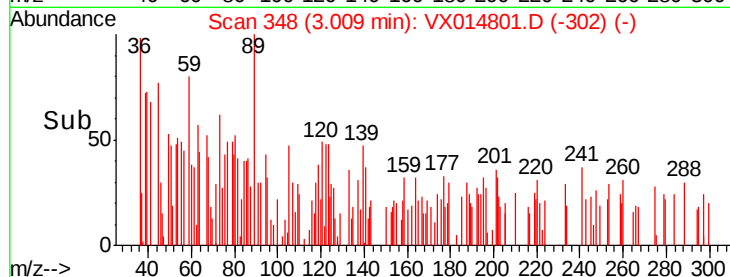
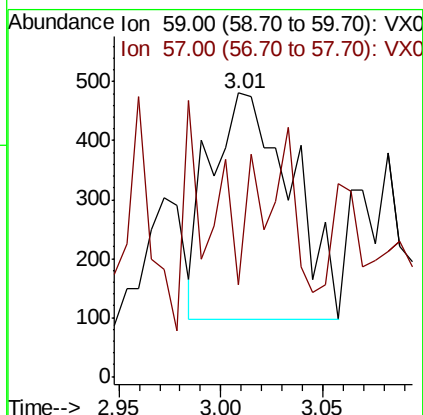
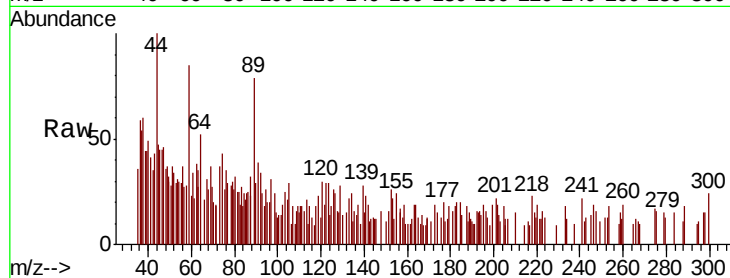




#11
Tert butyl alcohol
Concen: 0.912 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX014801.D
Acq: 04 Feb 2020 11:42

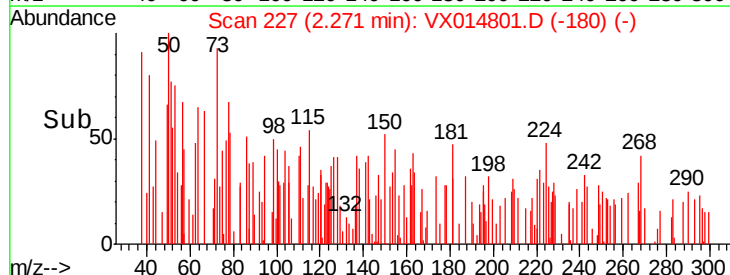
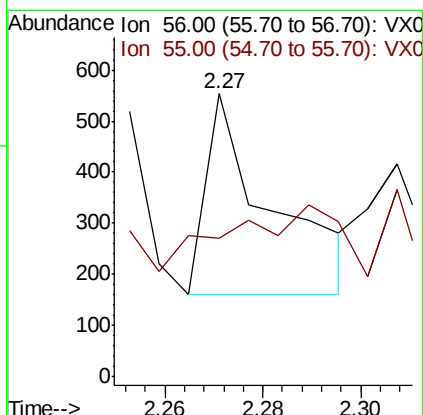
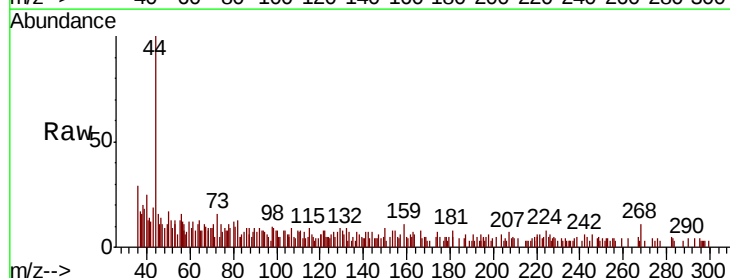
Instrument :
MSVOA_X
ClientSampled :
VX0204WBL01

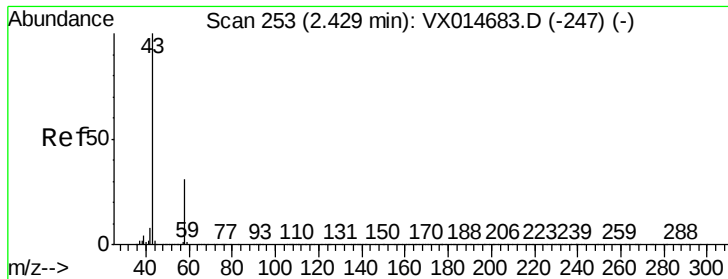
Tot Ion: 59 Resp: 1064
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.397 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.01 min
Lab File: VX014801.D
Acq: 04 Feb 2020 11:42

Tgt Ion: 56 Resp: 365
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#

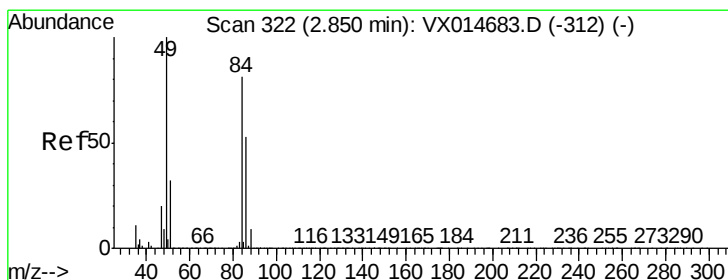
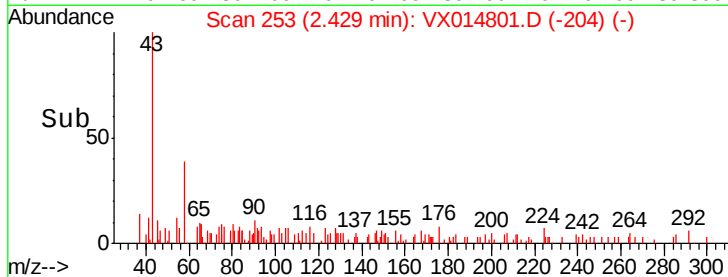
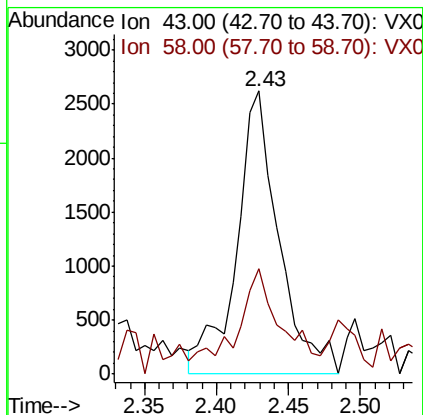
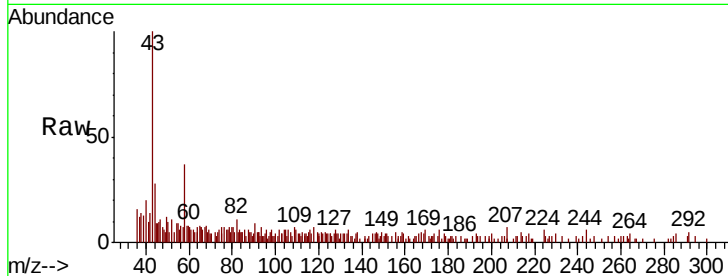




#16
Acetone
Concen: 2.024 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX014801.D
Acq: 04 Feb 2020 11:42

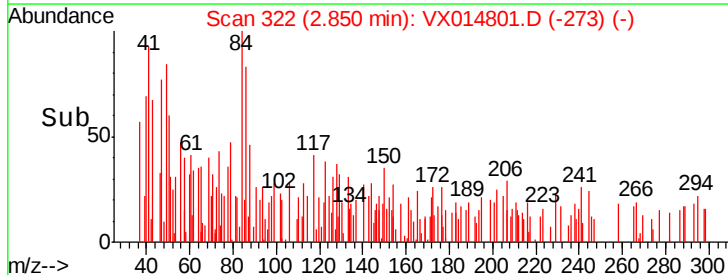
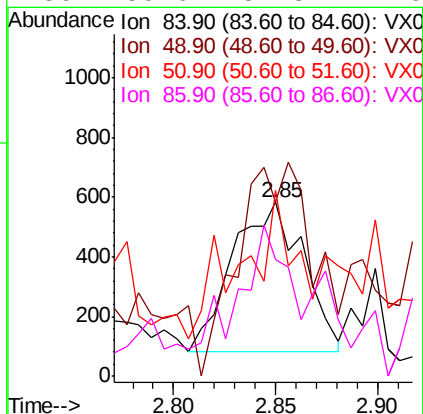
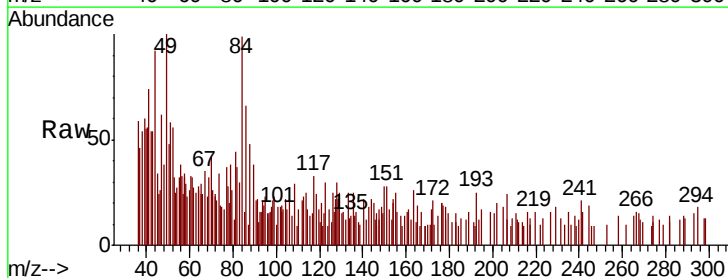
Instrument :
MSVOA_X
ClientSampleId :
VX0204WBL01

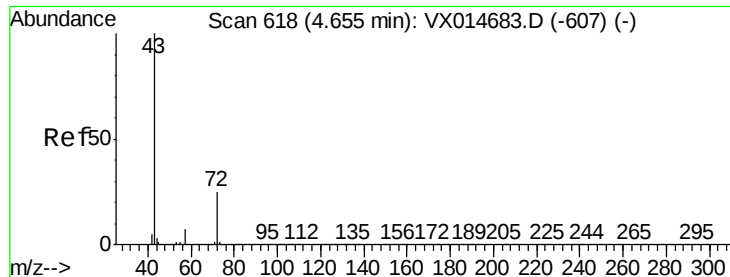
Tot Ion: 43 Resp: 5339
Ion Ratio Lower Upper
43 100
58 32.3 24.5 36.7



#20
Methylene Chloride
Concen: 0.229 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014801.D
Acq: 04 Feb 2020 11:42

Tgt Ion: 84 Resp: 1206
Ion Ratio Lower Upper
84 100
49 75.6 98.2 147.4#
51 99.4 31.3 46.9#
86 59.6 51.8 77.6





#25

2-Butanone

Concen: 0.614 ug/l

RT: 4.69 min Scan# 624

Delta R.T. 0.04 min

Lab File: VX014801.D

Acq: 04 Feb 2020 11:42

Instrument :

MSVOA_X

ClientSampled :

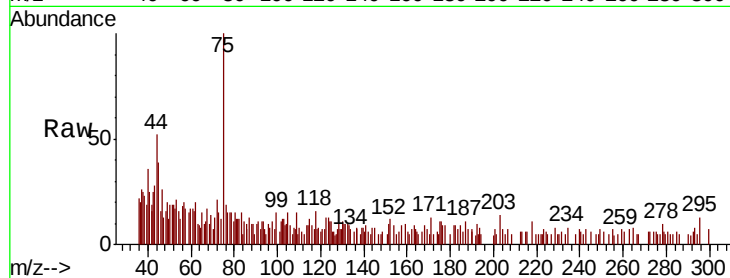
VX0204WBL01

Tot Ion: 43 Resp: 2506

Ion Ratio Lower Upper

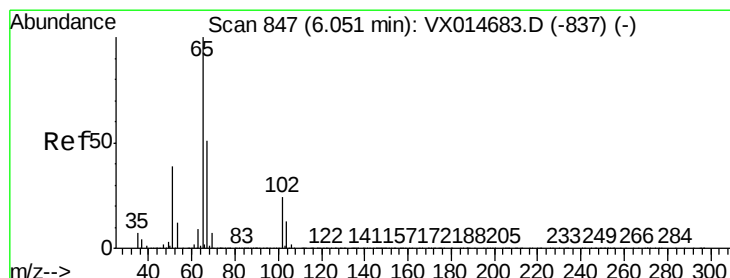
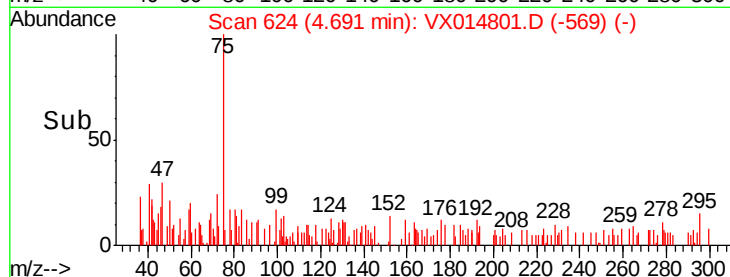
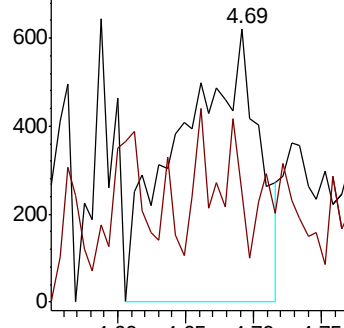
43 100

72 7.9 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.986 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX014801.D

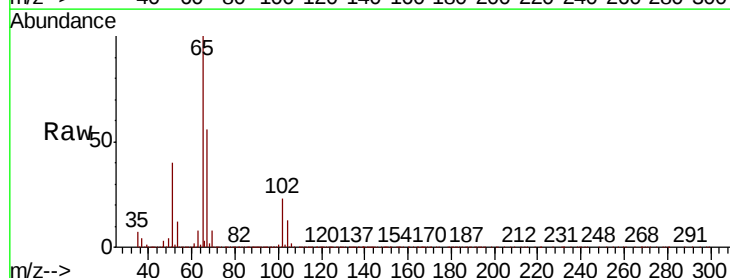
Acq: 04 Feb 2020 11:42

Tgt Ion: 65 Resp: 259739

Ion Ratio Lower Upper

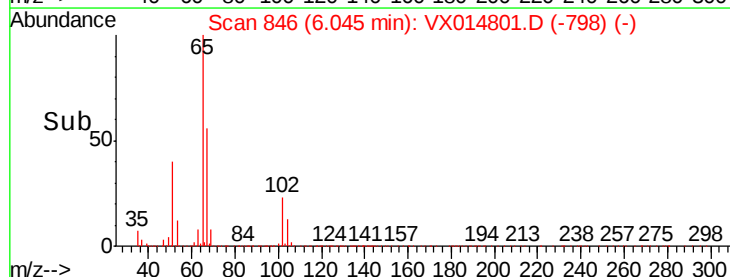
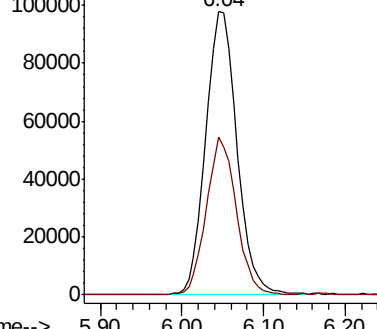
65 100

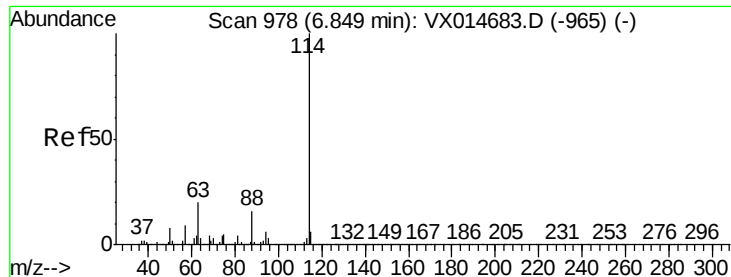
67 53.0 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

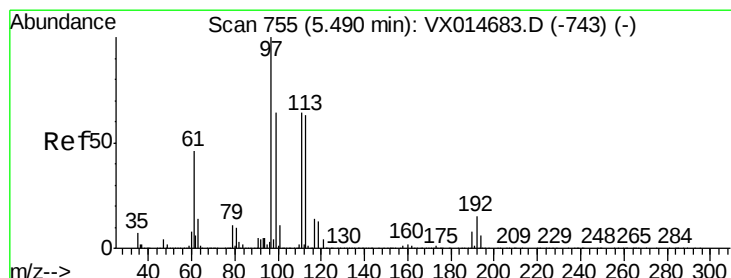
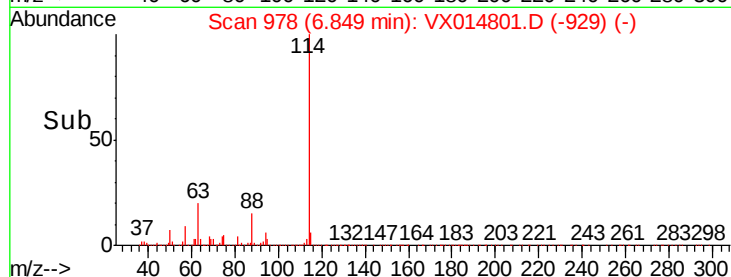
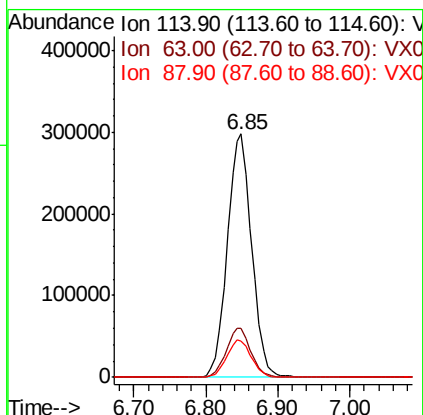
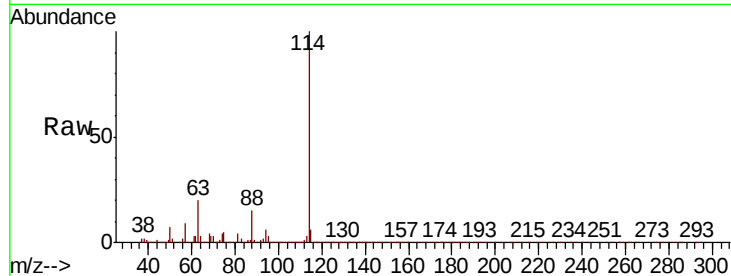




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014801.D
 Acq: 04 Feb 2020 11:42

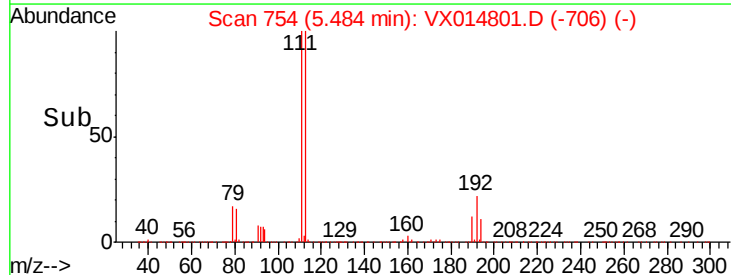
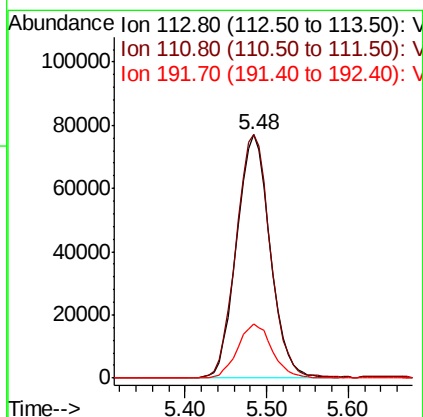
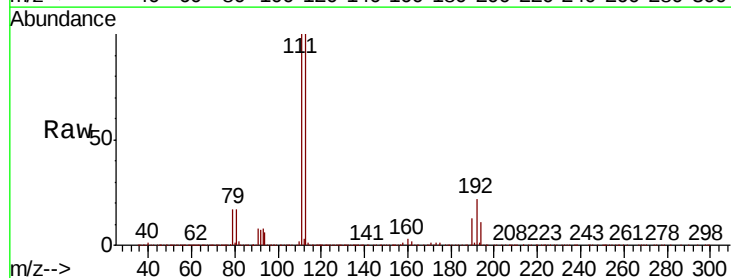
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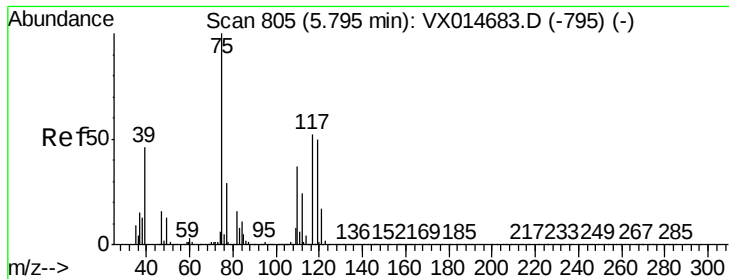
Tot Ion:	114	Resp:	697065
Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	40.6
88	15.1	0.0	31.2



#35
 Dibromofluoromethane
 Concen: 49.938 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX014801.D
 Acq: 04 Feb 2020 11:42

Tgt Ion:	113	Resp:	219650
Ion	Ratio	Lower	Upper
113	100		
111	101.0	80.7	121.1
192	22.4	18.5	27.7

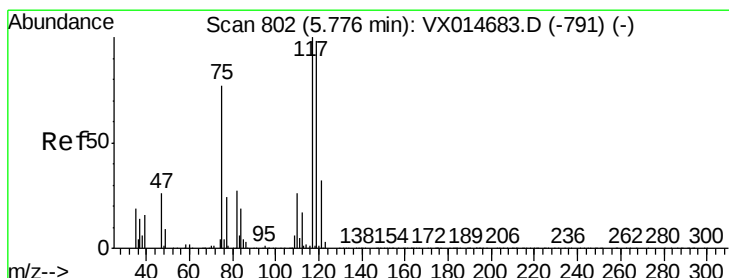
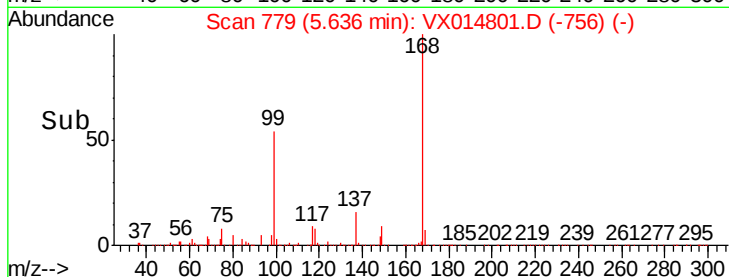
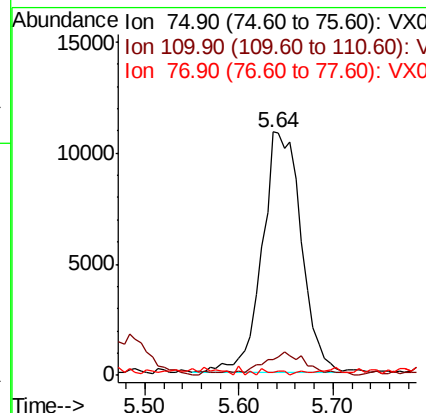
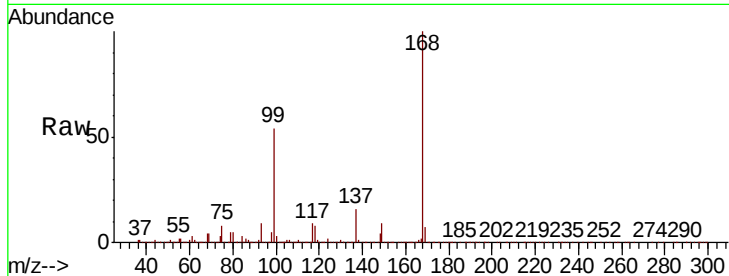




#36
 1,1-Dichloropropene
 Concen: 4.821 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. -0.16 min
 Lab File: VX014801.D
 Acq: 04 Feb 2020 11:42

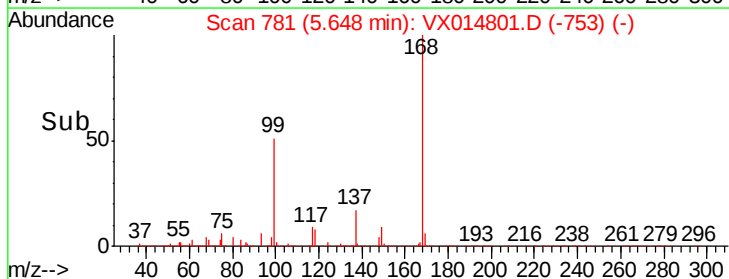
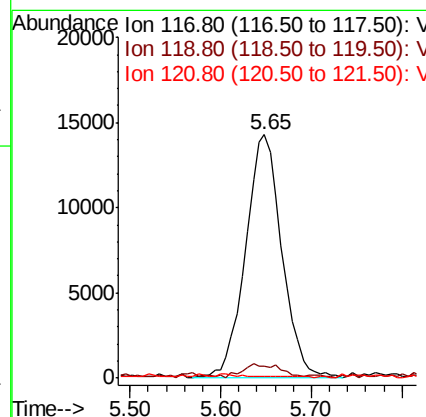
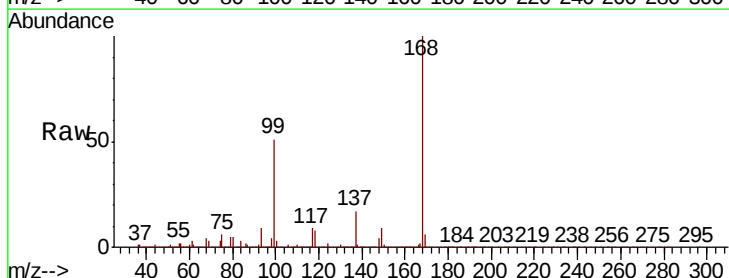
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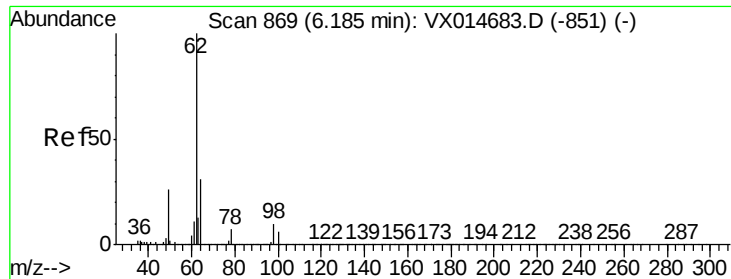
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.9	53.7#
77	0.6	24.1	36.1#



#38
 Carbon Tetrachloride
 Concen: 6.418 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX014801.D
 Acq: 04 Feb 2020 11:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.8	77.9	116.9#
121	0.1	25.4	38.2#





#42

1,2-Dichloroethane

Concen: 0.208 ug/l

RT: 6.17 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX014801.D

Acq: 04 Feb 2020 11:42

Instrument :

MSVOA_X

ClientSampled :

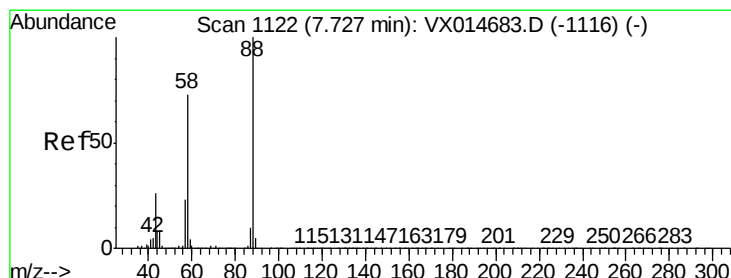
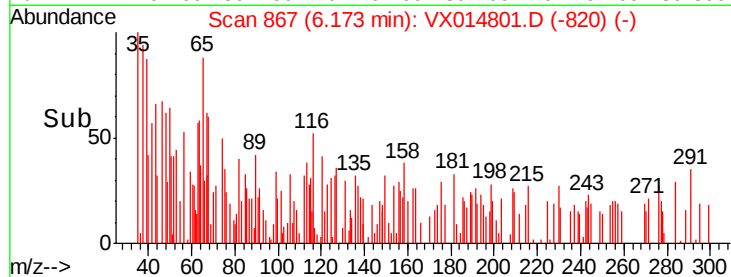
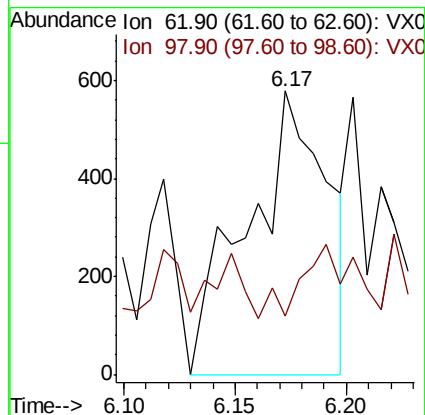
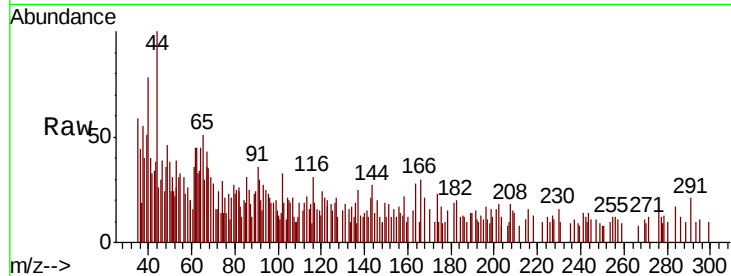
VX0204WBL01

Tot Ion: 62 Resp: 1435

Ion Ratio Lower Upper

62 100

98 21.8 0.0 20.0#



#49

1,4-Dioxane

Concen: 1.544 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX014801.D

Acq: 04 Feb 2020 11:42

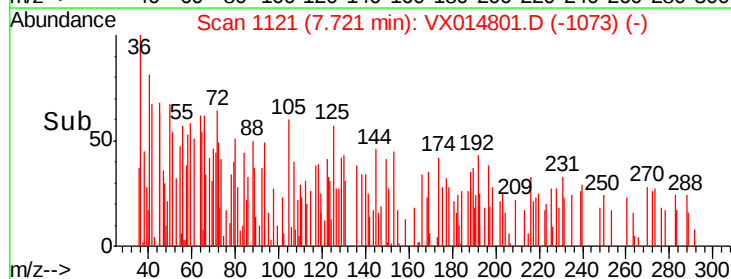
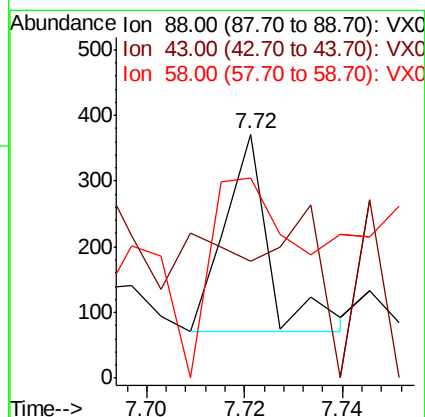
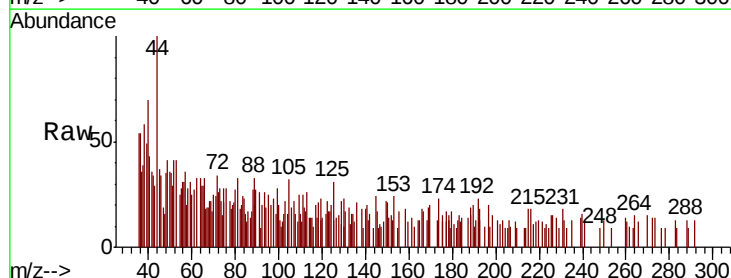
Tgt Ion: 88 Resp: 190

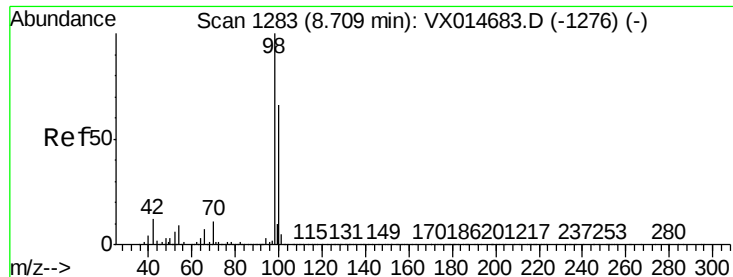
Ion Ratio Lower Upper

88 100

43 0.0 26.2 39.2#

58 194.2 56.6 85.0#





#50

Toluene-d8

Concen: 49.060 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014801.D

Acq: 04 Feb 2020 11:42

Instrument :

MSVOA_X

ClientSampleId :

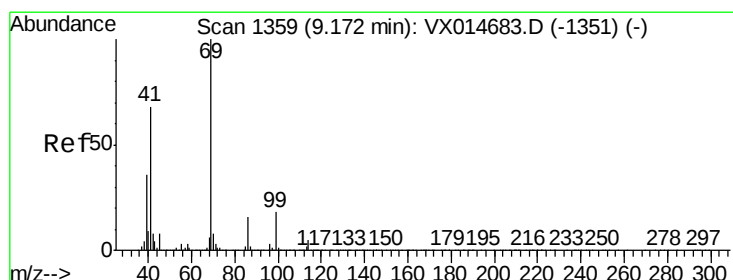
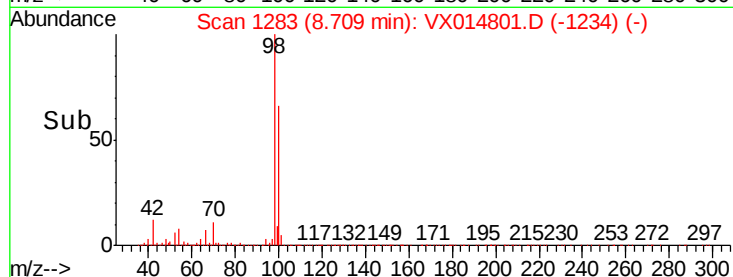
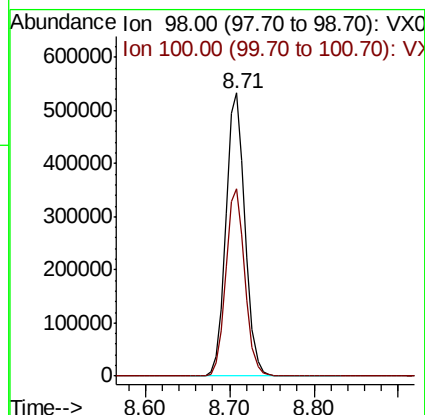
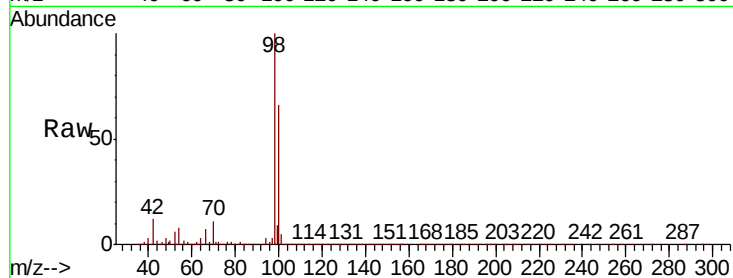
VX0204WBL01

Tot Ion: 98 Resp: 829576

Ion Ratio Lower Upper

98 100

100 65.9 53.0 79.6



#56

Ethyl methacrylate

Concen: 1.830 ug/l

RT: 9.20 min Scan# 1364

Delta R.T. 0.03 min

Lab File: VX014801.D

Acq: 04 Feb 2020 11:42

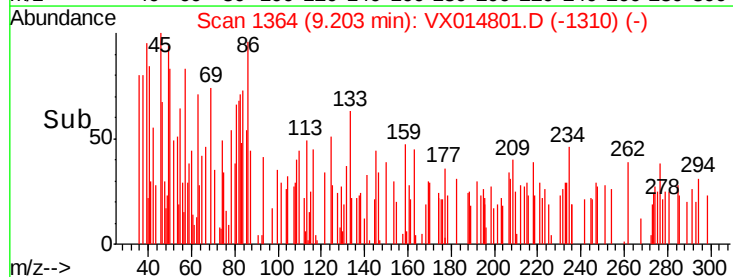
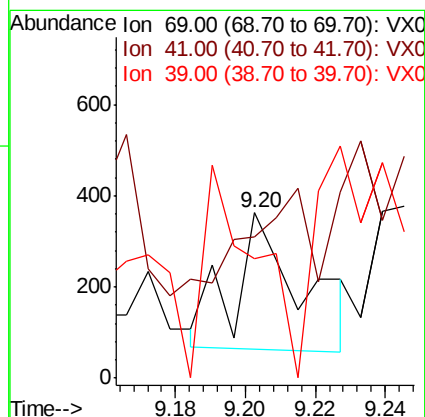
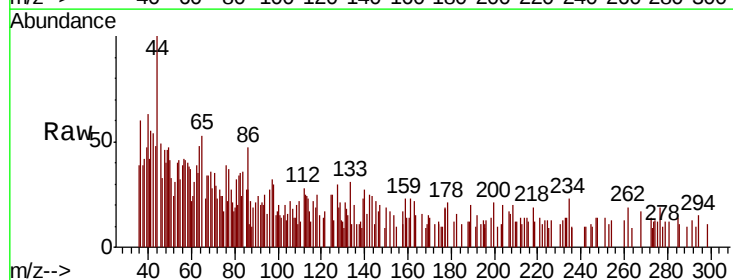
Tgt Ion: 69 Resp: 404

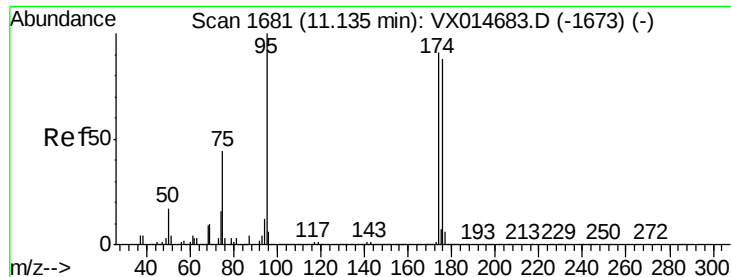
Ion Ratio Lower Upper

69 100

41 0.0 54.9 82.3#

39 117.1 29.3 43.9#

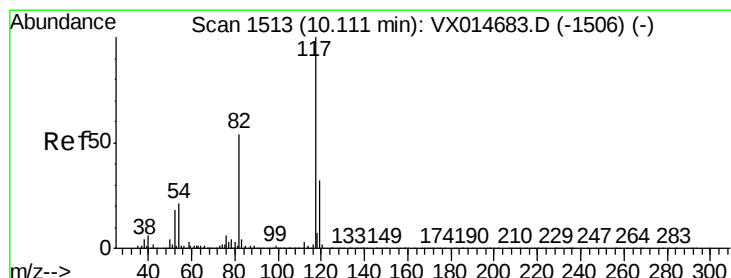
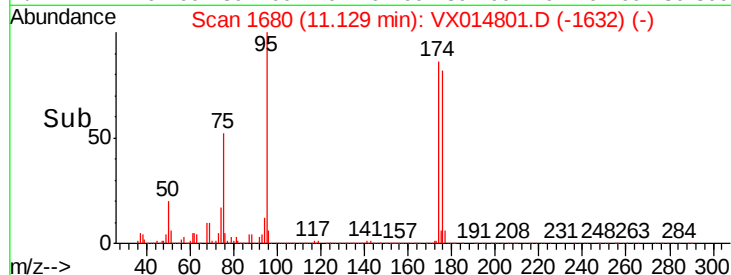
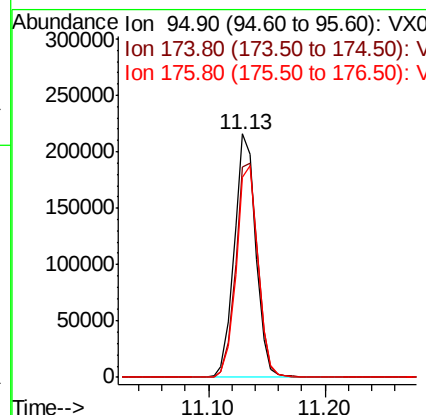
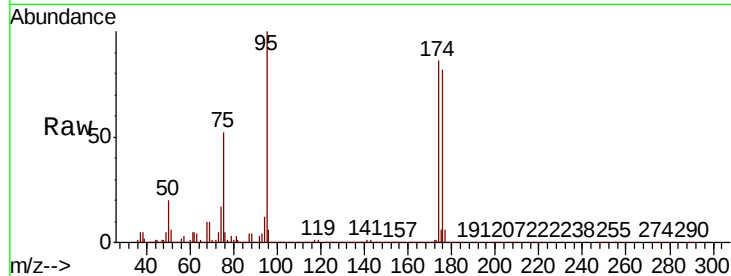




#62
4-Bromofluorobenzene
Concen: 45.971 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014801.D
Acq: 04 Feb 2020 11:42

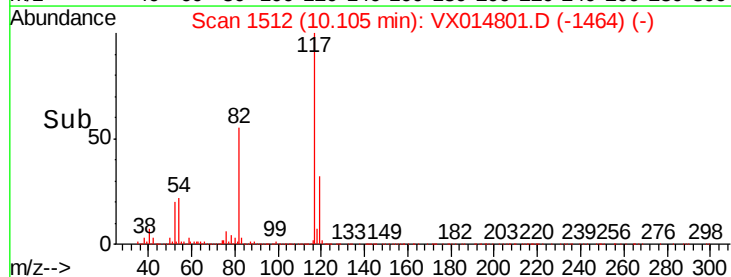
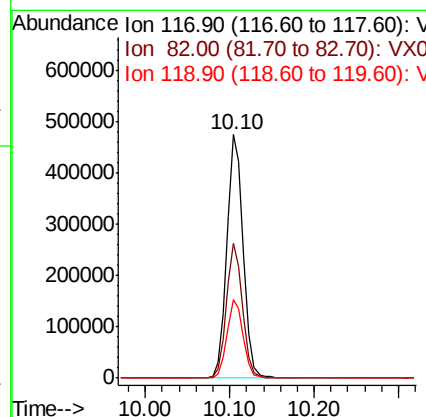
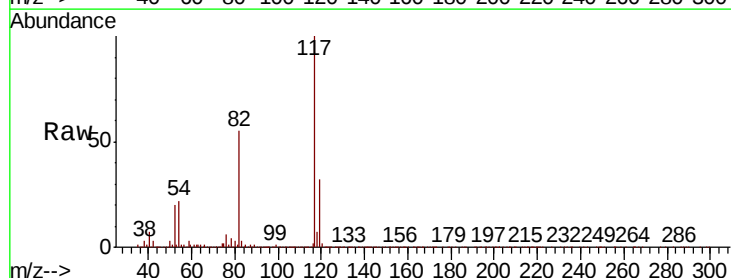
Instrument :
MSVOA_X
ClientSampleId :
VX0204WBL01

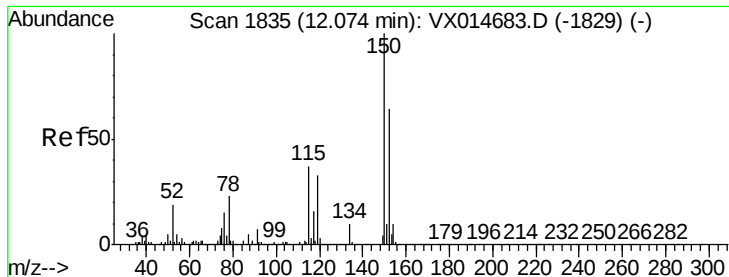
Tot Ion: 95 Resp: 276904
Ion Ratio Lower Upper
95 100
174 91.4 0.0 176.0
176 88.1 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014801.D
Acq: 04 Feb 2020 11:42

Tgt Ion: 117 Resp: 634649
Ion Ratio Lower Upper
117 100
82 55.2 43.2 64.8
119 32.3 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014801.D

Acq: 04 Feb 2020 11:42

Instrument :

MSVOA_X

ClientSampleId :

VX0204WBL01

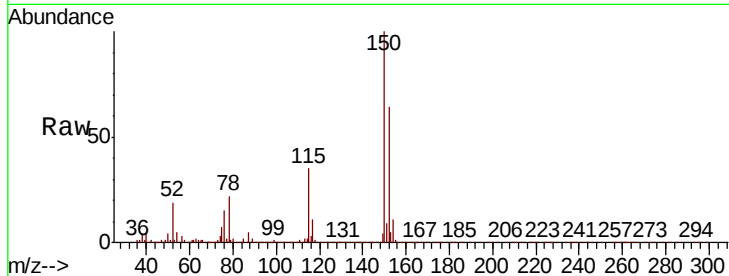
Tot Ion:152 Resp: 286169

Ion Ratio Lower Upper

152 100

115 54.7 39.4 118.1

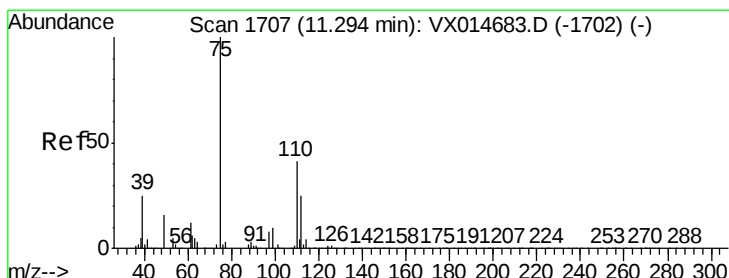
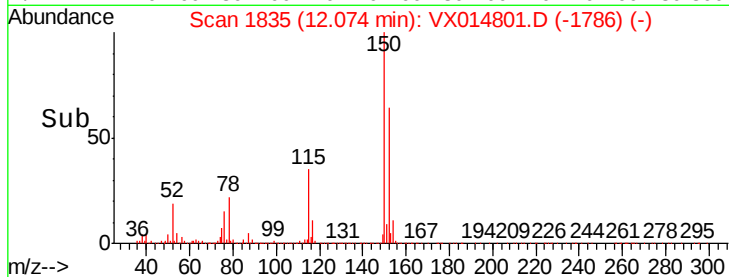
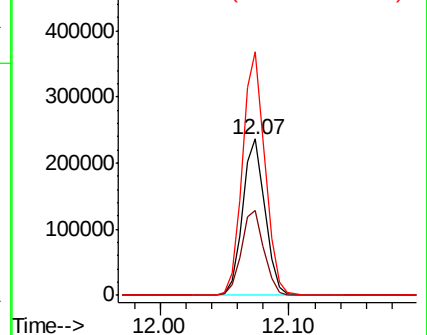
150 155.6 0.0 351.2



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: 20.958 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014801.D

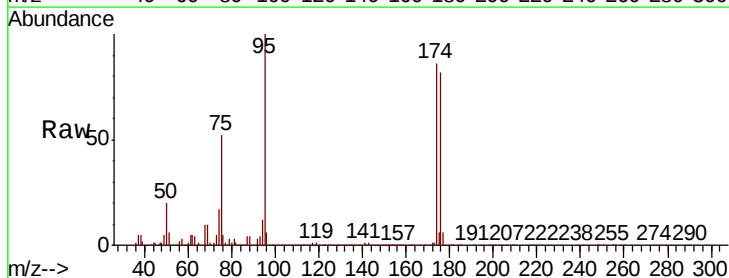
Acq: 04 Feb 2020 11:42

Tgt Ion: 75 Resp: 139539

Ion Ratio Lower Upper

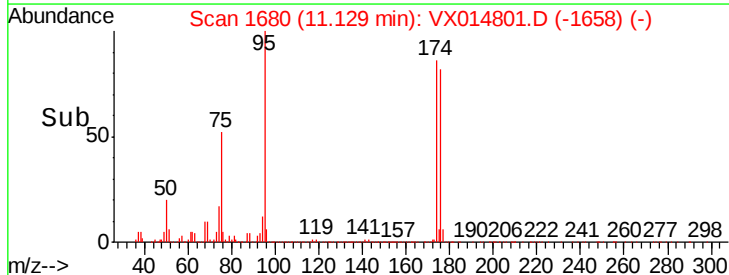
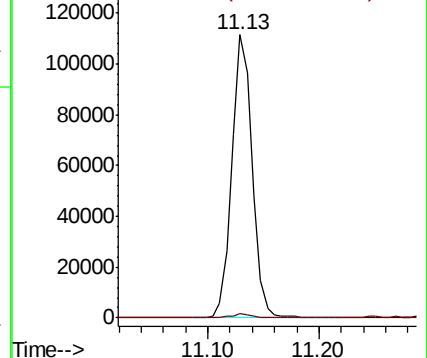
75 100

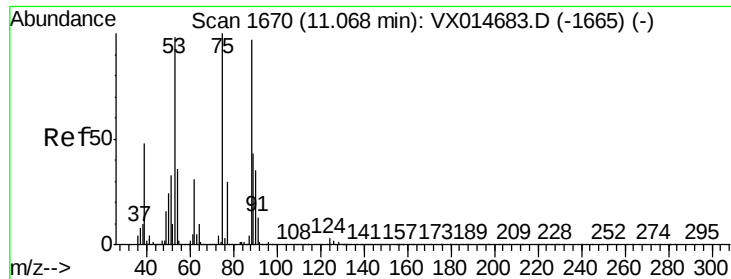
77 1.4 18.7 56.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

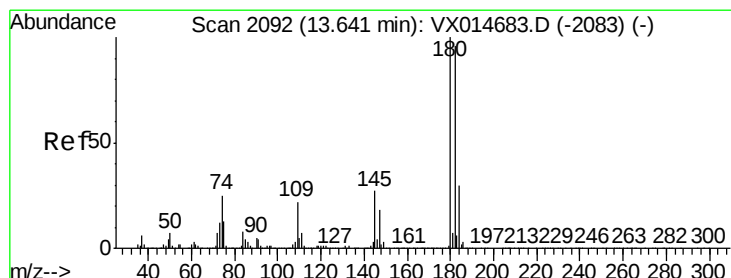
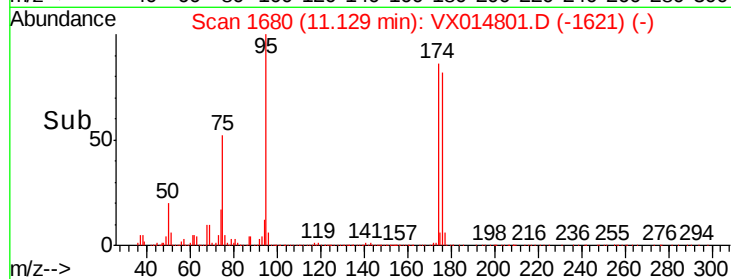
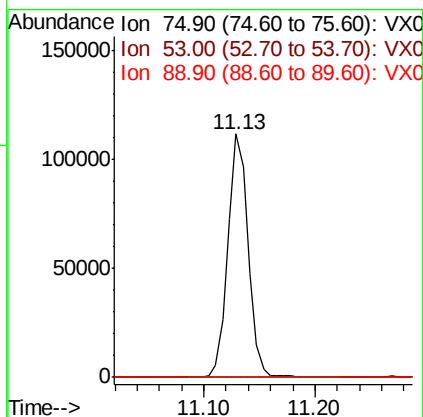
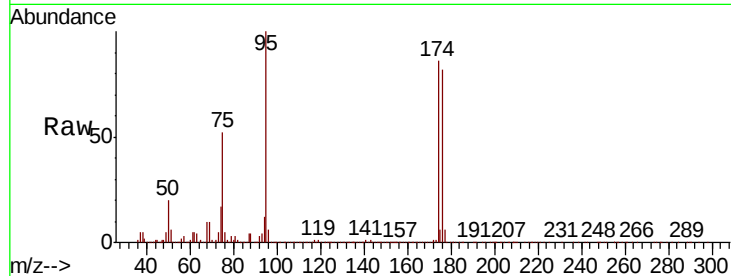




#81
trans-1,4-Dichloro-2-butene
Concen: 59.643 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX014801.D
Acq: 04 Feb 2020 11:42

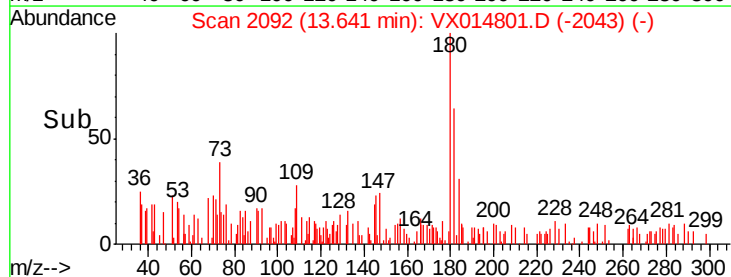
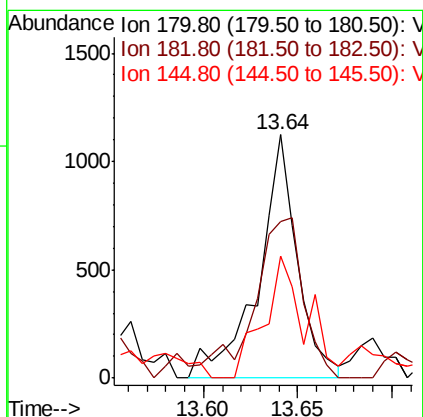
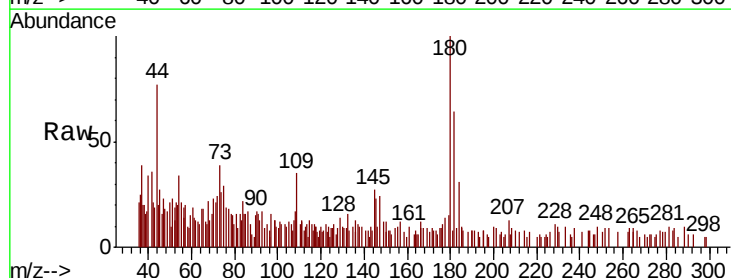
Instrument :
MSVOA_X
ClientSampleId :
VX0204WBL01

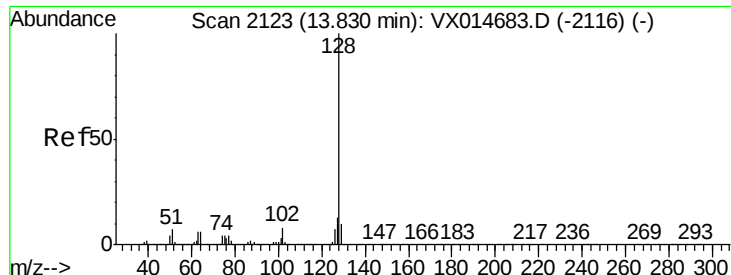
Tot Ion: 75 Resp: 139539
Ion Ratio Lower Upper
75 100
53 0.0 78.8 118.2#
89 0.1 35.4 53.0#



#93
1,2,4-Trichlorobenzene
Concen: 0.260 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX014801.D
Acq: 04 Feb 2020 11:42

Tgt Ion: 180 Resp: 1617
Ion Ratio Lower Upper
180 100
182 83.0 48.5 145.6
145 53.2 14.0 41.9#

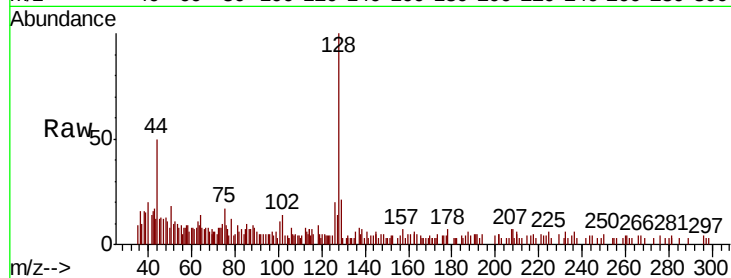




#95
Naphthalene
Concen: 1.087 ug/l
RT: 13.84 min Scan# 2124
Delta R.T. 0.01 min
Lab File: VX014801.D
Acq: 04 Feb 2020 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0204WBL01

Tot Ion	Ratio	Lower	Upper
128	100		
127	19.5	10.3	15.5#
129	17.8	8.6	12.8#



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

