

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VO020620\
 Data File : VX014847.D
 Acq On : 06 Feb 2020 15:00
 Operator : JC/SP
 Sample : L1393-04
 Misc : 5.92g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 07 00:43:33 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

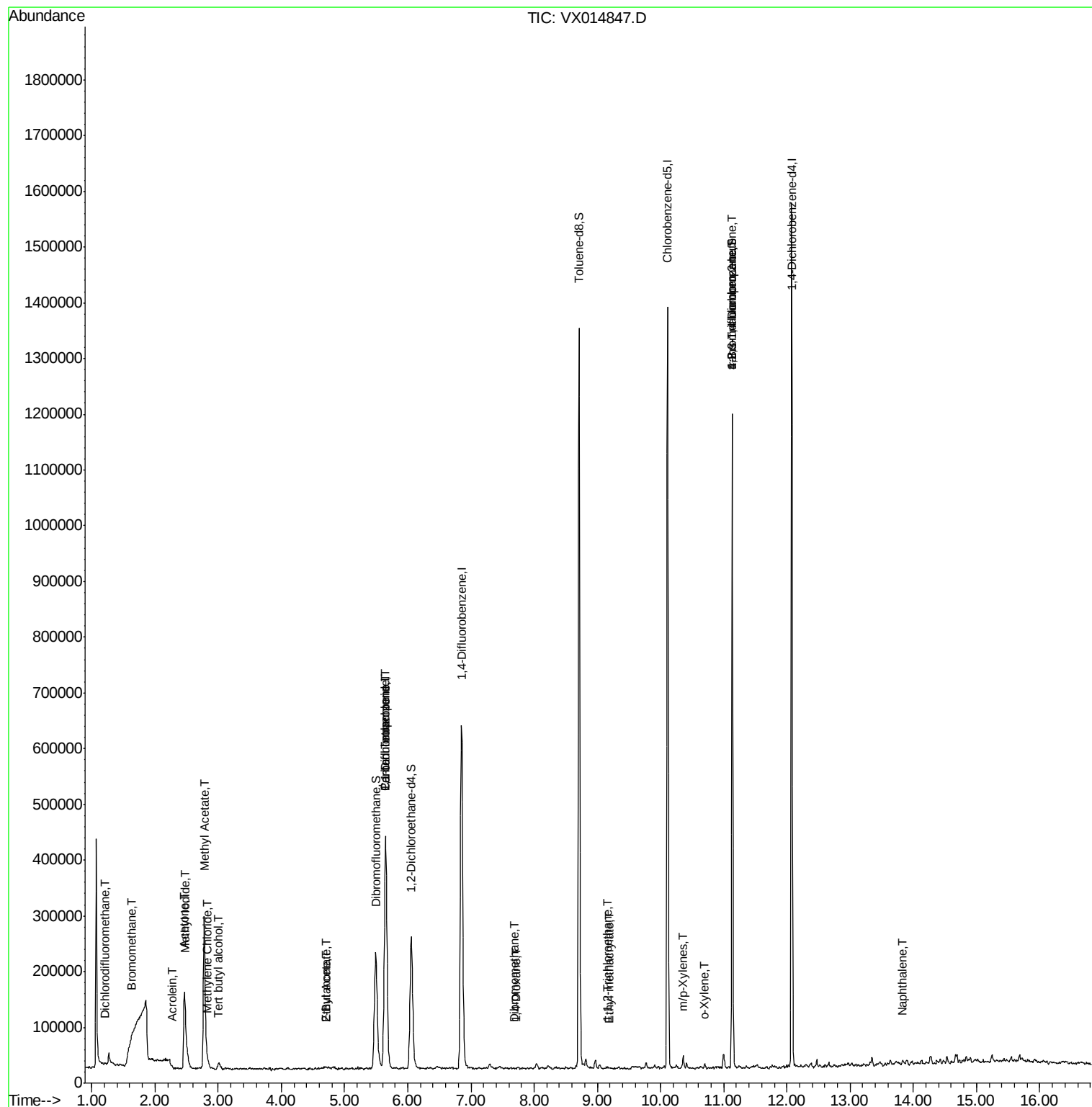
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	456633	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	705266	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	637361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	321432	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	254775	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
35) Dibromofluoromethane	5.49	113	202803	45.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.14%	
50) Toluene-d8	8.71	98	834398	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
62) 4-Bromofluorobenzene	11.14	95	295530	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	804	0.661	ug/l #	40
5) Bromomethane	1.63	94	2348	0.518	ug/l	89
6) Chloroethane	1.68	64	481	Below Cal	#	43
10) Methyl Iodide	2.48	142	1209	0.202	ug/l #	92
11) Tert butyl alcohol	3.01	59	8243	6.885	ug/l #	74
13) Acrolein	2.27	56	254	0.269	ug/l	83
16) Acetone	2.47	43	242831	83.190	ug/l	98
18) Methyl Acetate	2.78	43	398399	47.758	ug/l	99
20) Methylene Chloride	2.84	84	2735	0.506	ug/l #	80
25) 2-Butanone	4.72	43	10602	2.532	ug/l	97
36) 1,1-Dichloropropene	5.65	75	31541	4.813	ug/l #	51
37) Ethyl Acetate	4.72	43	10602	1.413	ug/l #	72
38) Carbon Tetrachloride	5.65	117	39484	6.309	ug/l #	17
46) Dibromomethane	7.67	93	691	0.205	ug/l #	15
49) 1,4-Dioxane	7.72	88	91	0.731	ug/l #	1
55) 1,1,2-Trichloroethane	9.16	97	1140	0.224	ug/l #	46
56) Ethyl methacrylate	9.18	69	120	1.798	ug/l #	1
68) m/p-Xylenes	10.36	106	5216	0.591	ug/l	95
69) o-Xylene	10.70	106	2167	0.255	ug/l	83
76) 1,2,3-Trichloropropane	11.14	75	145601	19.470	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.14	75	145601	55.407	ug/l #	11
95) Naphthalene	13.83	128	6638	1.221	ug/l #	84

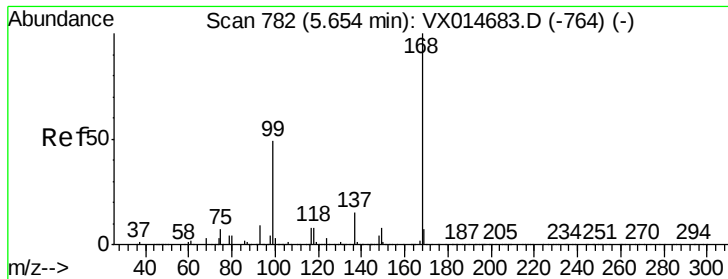
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.92a/5mL/100uL/5.00mL/MSVOA_X/MEOH
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Quant Time: Feb 07 00:43:33 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
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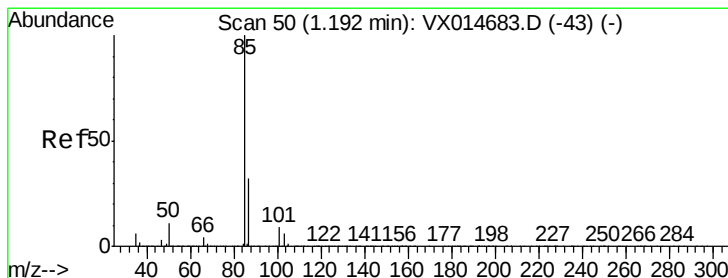
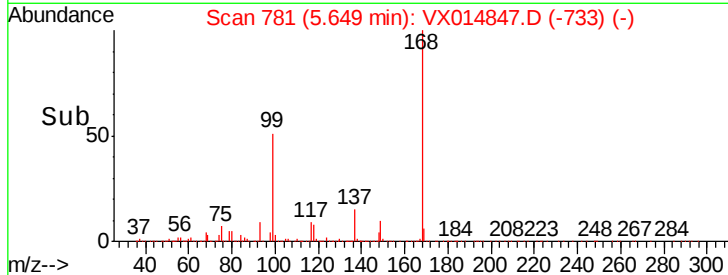
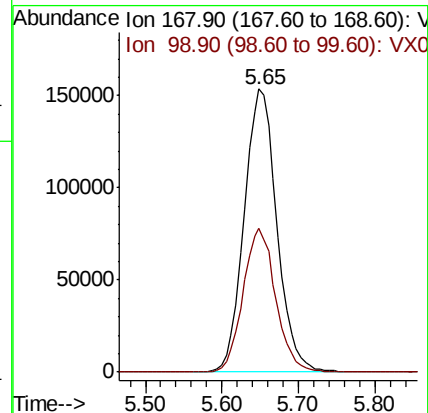
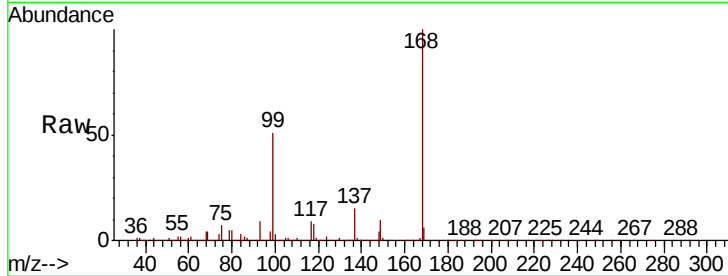


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.01 min
 Lab File: VX014847.D
 Acq: 06 Feb 2020 15:00

Instrument :
 MSVOA_X
 ClientSampleId :

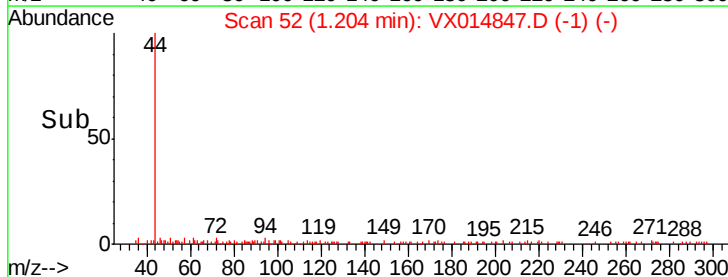
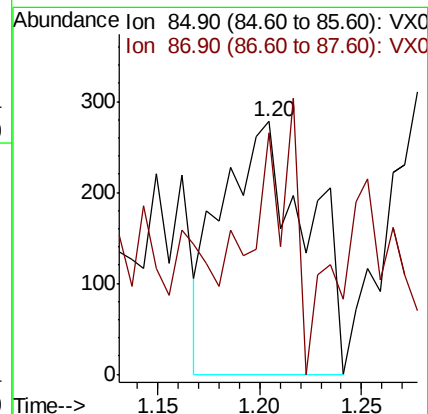
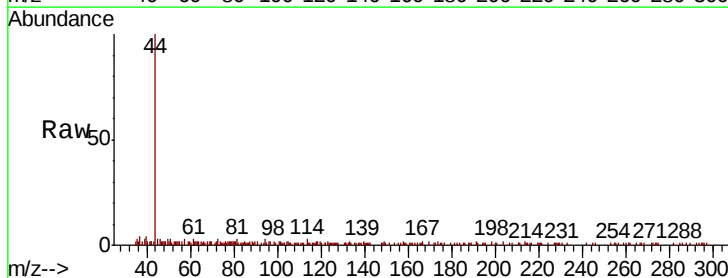
Tot Ion:168 Resp: 456633
 Ion Ratio Lower Upper
 168 100
 99 50.6 39.8 59.6

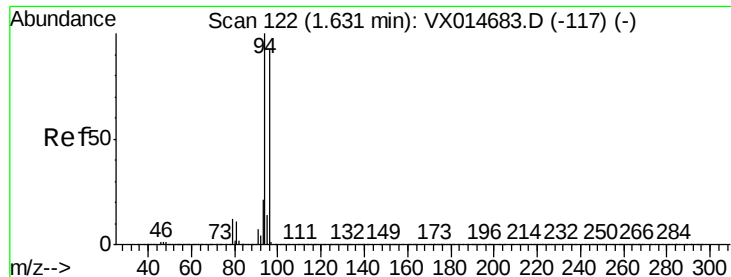


#2

Dichlorodifluoromethane
 Concen: 0.661 ug/l
 RT: 1.20 min Scan# 52
 Delta R.T. 0.01 min
 Lab File: VX014847.D
 Acq: 06 Feb 2020 15:00

Tgt Ion: 85 Resp: 804
 Ion Ratio Lower Upper
 85 100
 87 65.8 16.2 48.5#





#5

Bromomethane

Concen: 0.518 ug/l

RT: 1.63 min Scan# 122

Delta R.T. 0.00 min

Lab File: VX014847.D

Acq: 06 Feb 2020 15:00

Instrument :

MSVOA_X

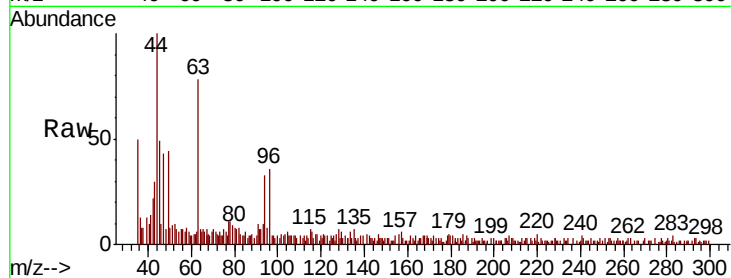
ClientSampleId :

Tot Ion: 94 Resp: 2348

Ion Ratio Lower Upper

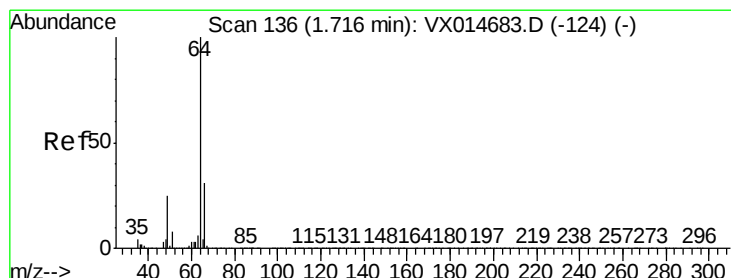
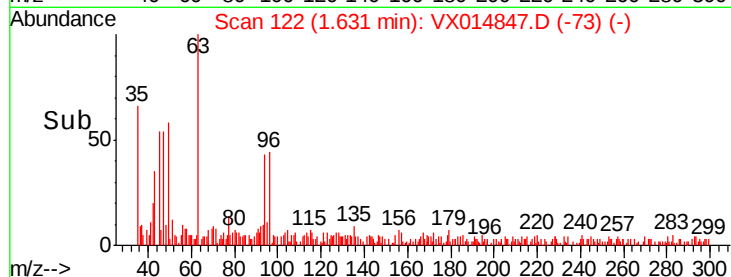
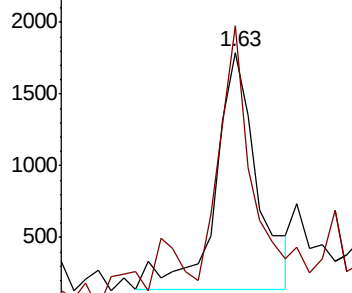
94 100

96 103.6 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: Below Cal

RT: 1.68 min Scan# 130

Delta R.T. -0.04 min

Lab File: VX014847.D

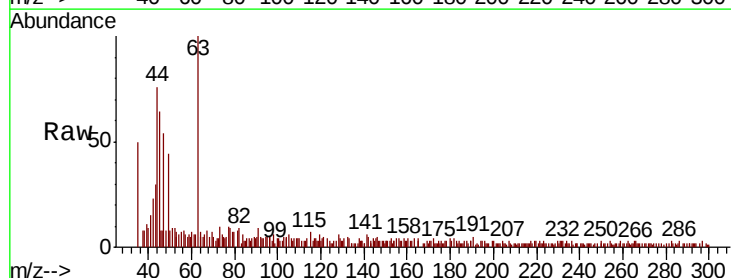
Acq: 06 Feb 2020 15:00

Tgt Ion: 64 Resp: 481

Ion Ratio Lower Upper

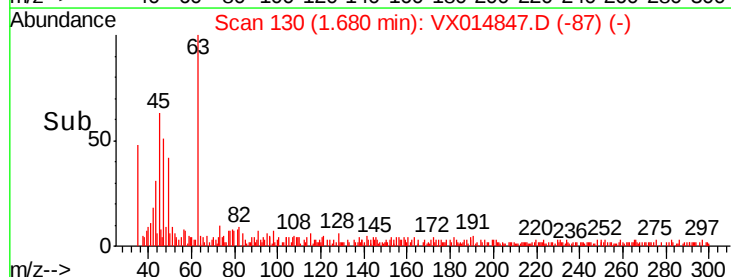
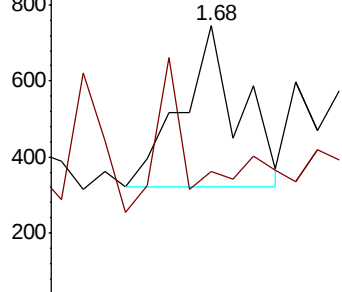
64 100

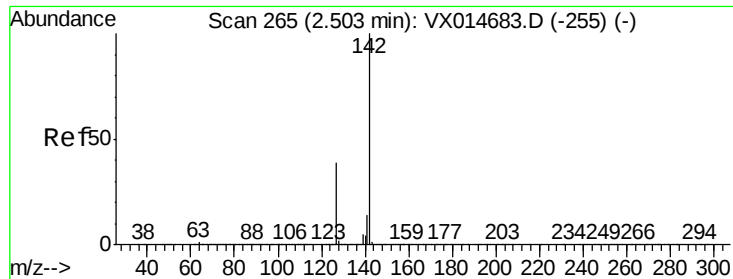
66 0.0 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

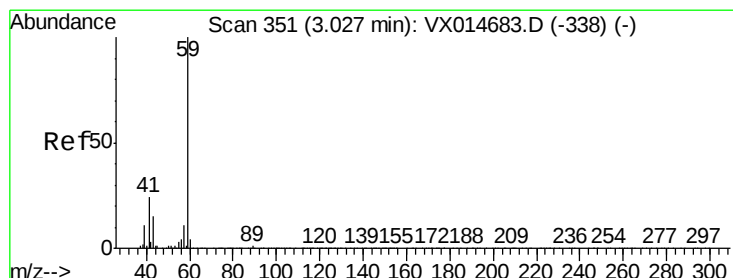
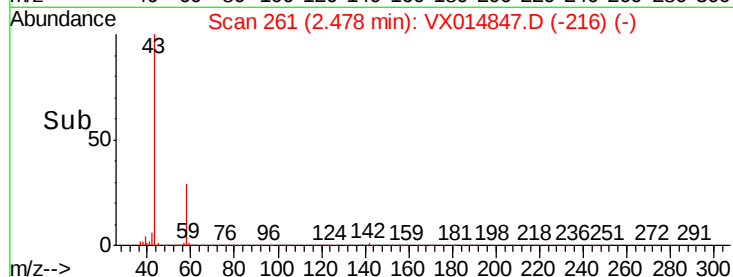
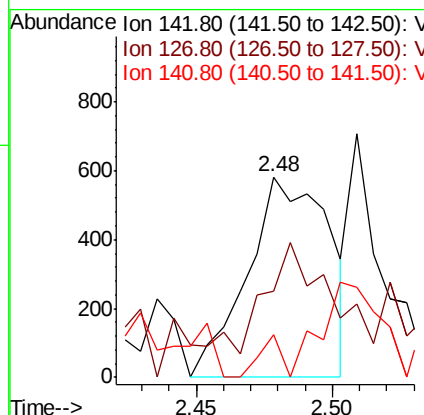
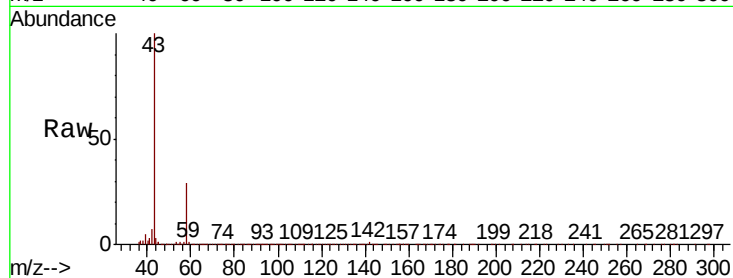




#10
Methvl Iodide
Concen: 0.202 ug/l
RT: 2.48 min Scan# 261
Delta R.T. -0.02 min
Lab File: VX014847.D
Acq: 06 Feb 2020 15:00

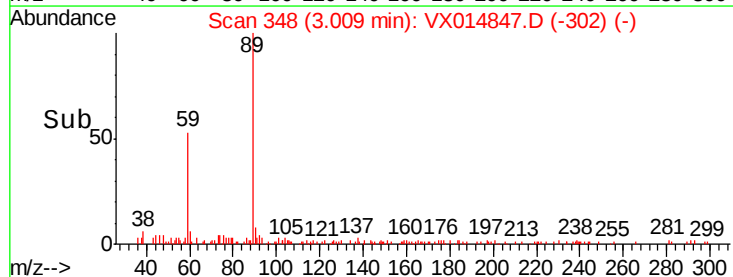
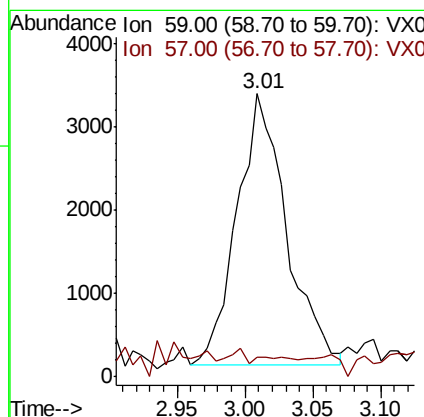
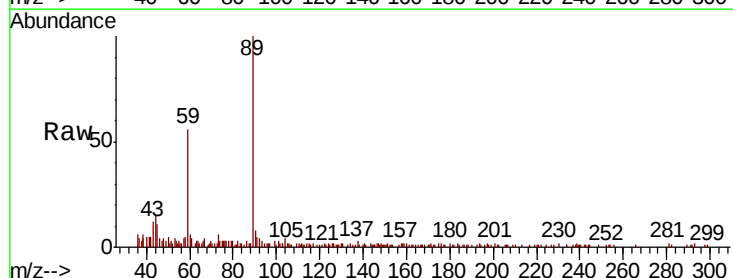
Instrument :
MSVOA_X
ClientSampleId :

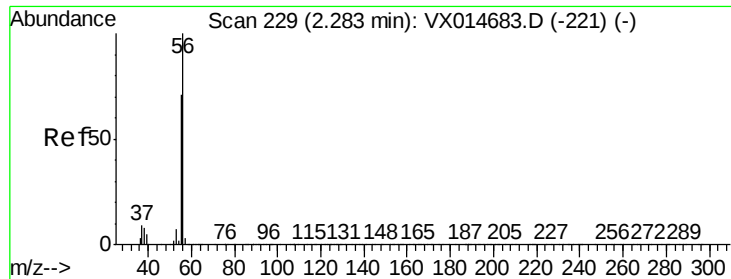
Tot Ion:142 Resp: 1209
Ion Ratio Lower Upper
142 100
127 36.9 31.1 46.7
141 5.4 11.3 16.9#



#11
Tert butyl alcohol
Concen: 6.885 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX014847.D
Acq: 06 Feb 2020 15:00

Tgt Ion: 59 Resp: 8243
Ion Ratio Lower Upper
59 100
57 0.6 8.3 12.5#

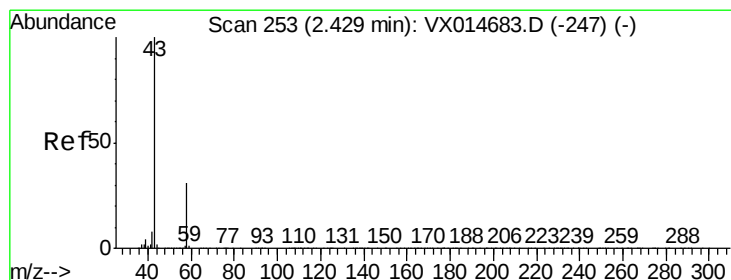
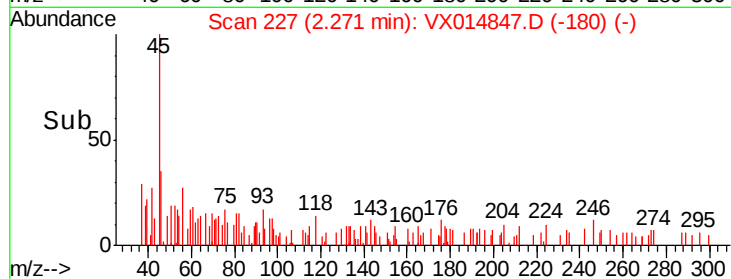
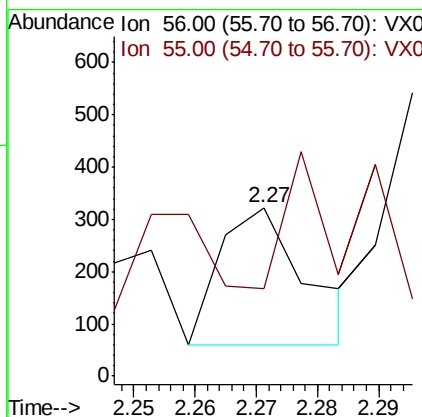
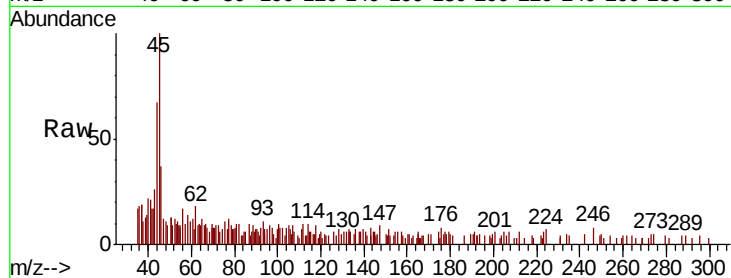




#13
Acrolein
Concen: 0.269 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.01 min
Lab File: VX014847.D
Acq: 06 Feb 2020 15:00

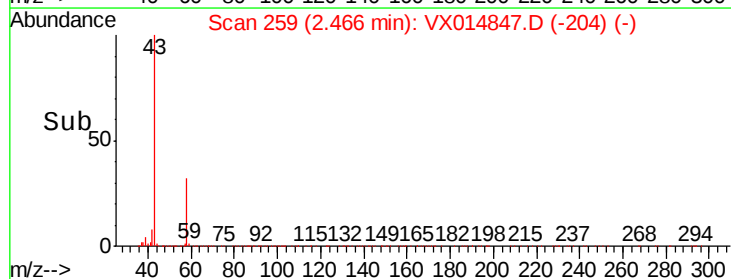
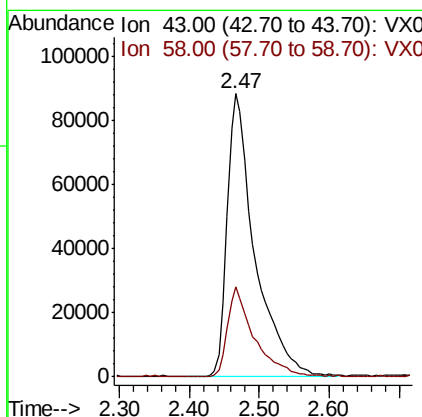
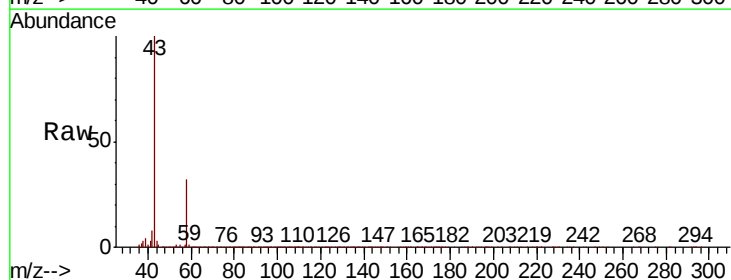
Instrument :
MSVOA_X
ClientSampled :

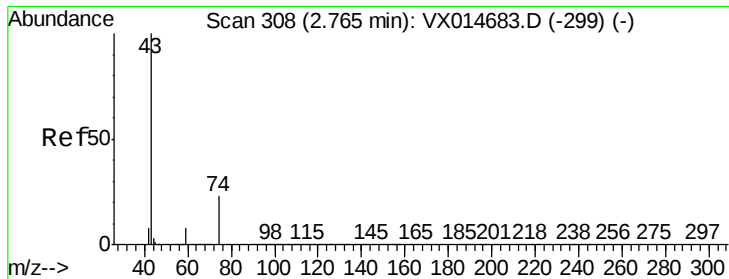
Tot Ion: 56 Resp: 254
Ion Ratio Lower Upper
56 100
55 84.6 56.6 84.8



#16
Acetone
Concen: 83.190 ug/l
RT: 2.47 min Scan# 259
Delta R.T. 0.04 min
Lab File: VX014847.D
Acq: 06 Feb 2020 15:00

Tgt Ion: 43 Resp: 242831
Ion Ratio Lower Upper
43 100
58 31.8 24.5 36.7

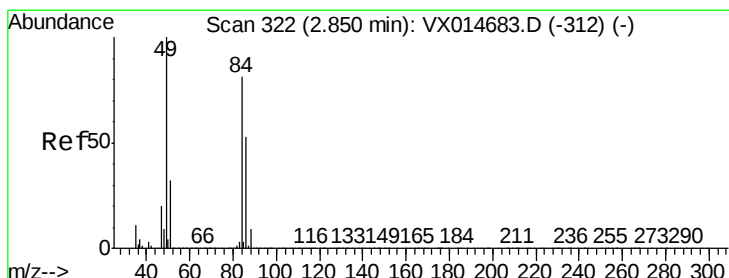
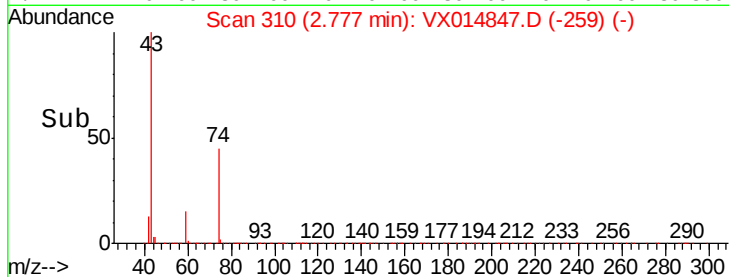
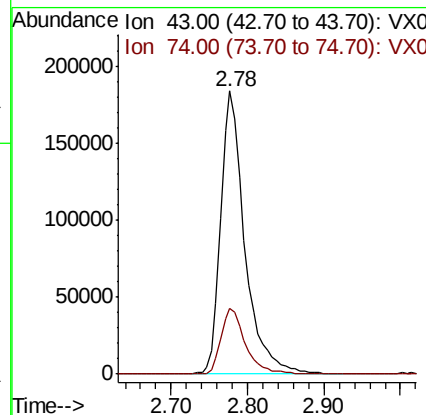
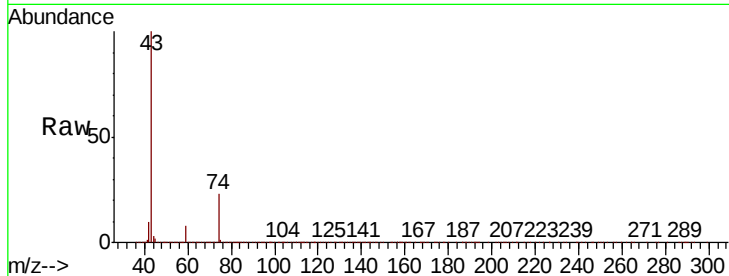




#18
Methyl Acetate
Concen: 47.758 ug/l
RT: 2.78 min Scan# 310
Delta R.T. 0.01 min
Lab File: VX014847.D
Acq: 06 Feb 2020 15:00

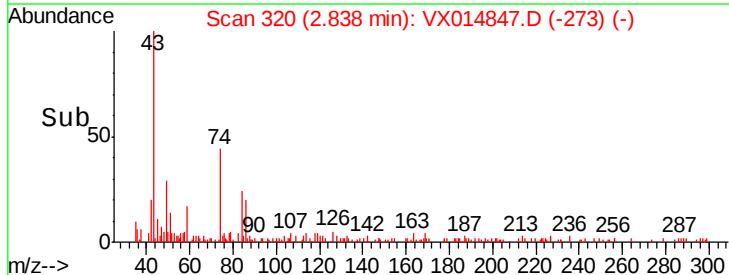
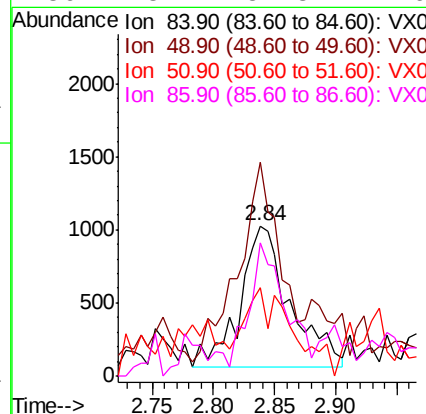
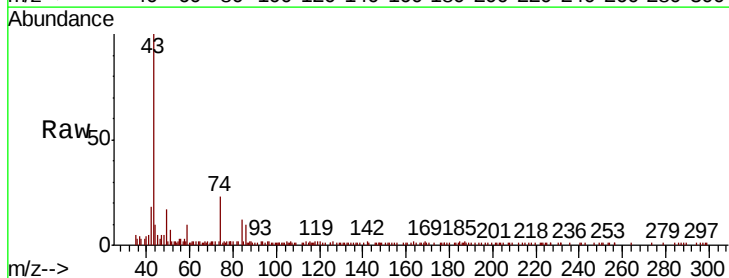
Instrument :
MSVOA_X
ClientSampleId :

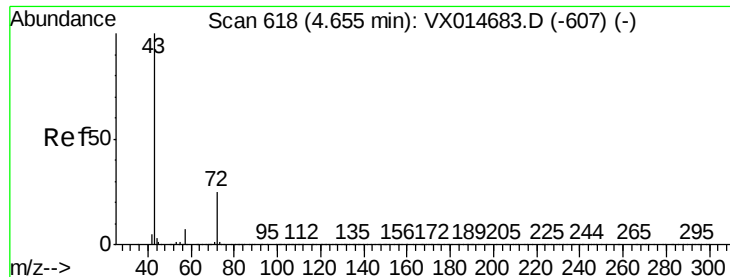
Tot Ion: 43 Resp: 398399
Ion Ratio Lower Upper
43 100
74 23.6 18.5 27.7



#20
Methylene Chloride
Concen: 0.506 ug/l
RT: 2.84 min Scan# 320
Delta R.T. -0.01 min
Lab File: VX014847.D
Acq: 06 Feb 2020 15:00

Tgt Ion: 84 Resp: 2735
Ion Ratio Lower Upper
84 100
49 150.7 98.2 147.4#
51 46.7 31.3 46.9
86 78.2 51.8 77.6#

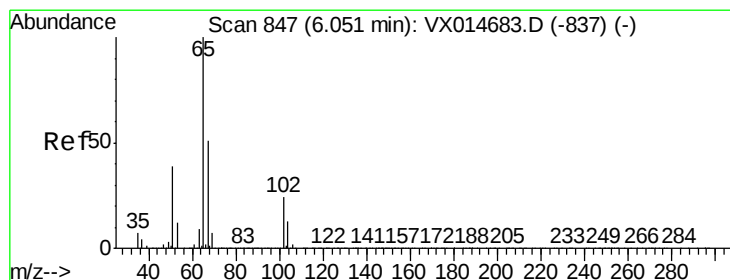
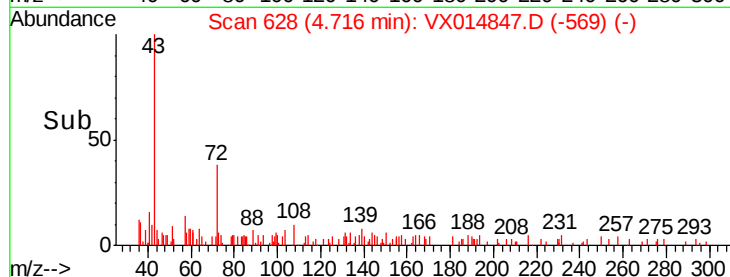
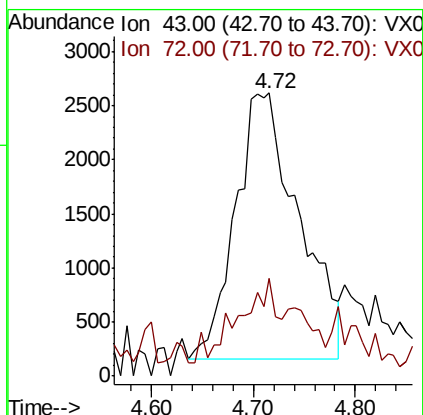
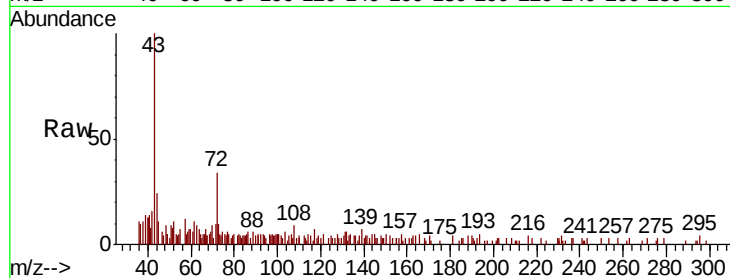




#25
2-Butanone
Concen: 2.532 ug/l
RT: 4.72 min Scan# 628
Delta R.T. 0.06 min
Lab File: VX014847.D
Acq: 06 Feb 2020 15:00

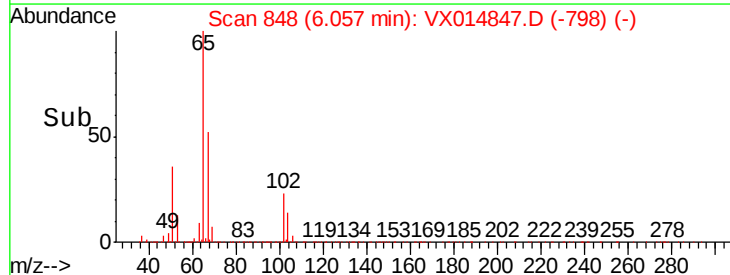
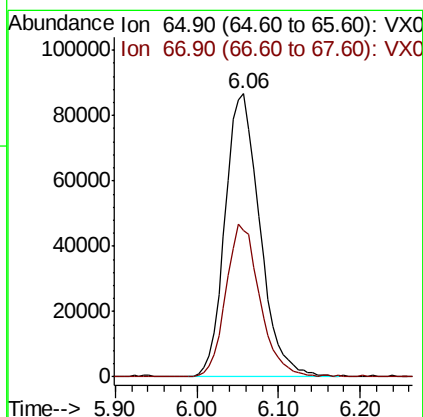
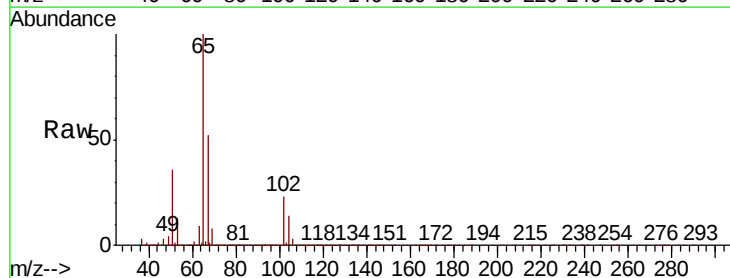
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MSVOA_X
ClientSampleId :

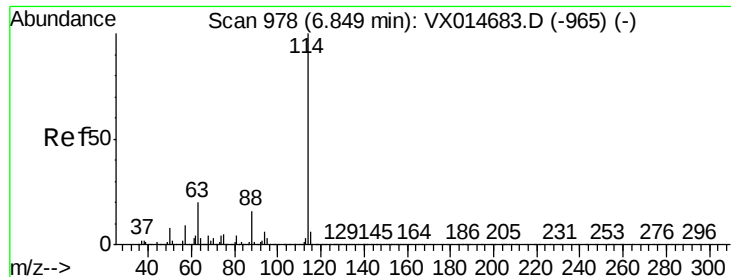
Tot Ion: 43 Resp: 10602
Ion Ratio Lower Upper
43 100
72 26.5 19.9 29.9



#33
1,2-Dichloroethane-d4
Concen: 47.779 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.01 min
Lab File: VX014847.D
Acq: 06 Feb 2020 15:00

Tgt Ion: 65 Resp: 254775
Ion Ratio Lower Upper
65 100
67 52.4 0.0 107.4

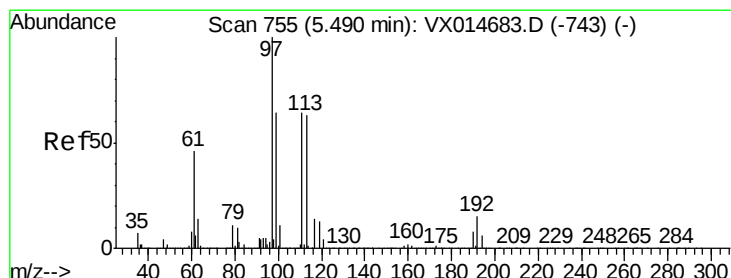
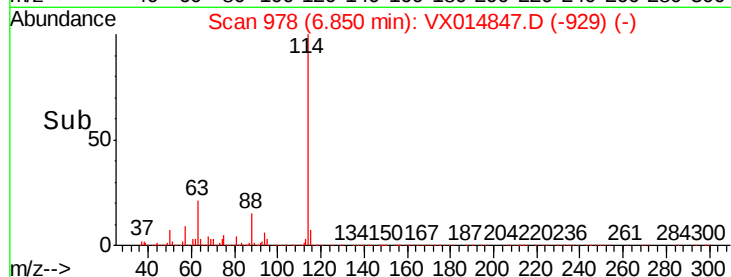
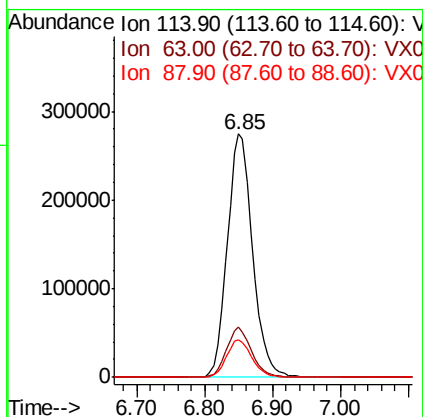
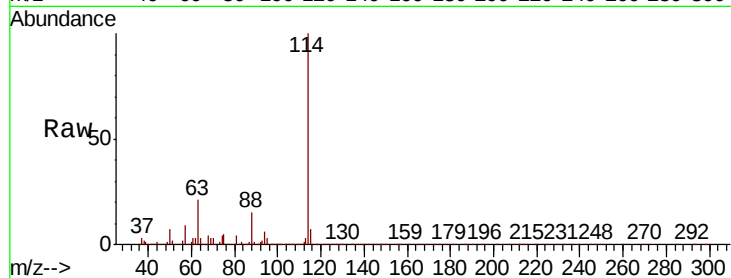




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014847.D
 Acq: 06 Feb 2020 15:00

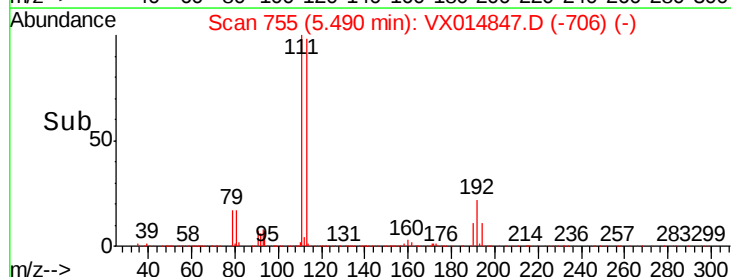
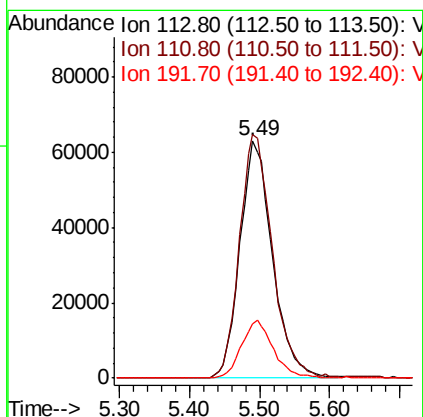
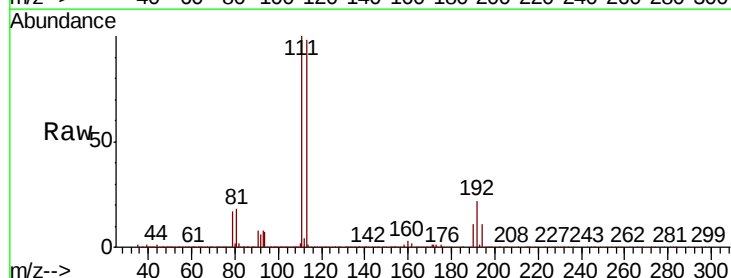
Instrument :
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 ClientSampleId :

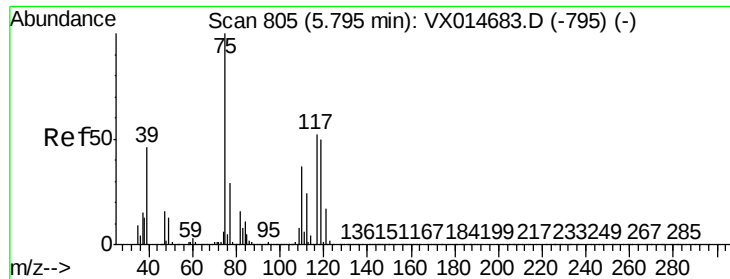
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.6
88	15.4	0.0	31.2



#35
 Dibromofluoromethane
 Concen: 45.572 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014847.D
 Acq: 06 Feb 2020 15:00

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	80.7	121.1
192	24.1	18.5	27.7

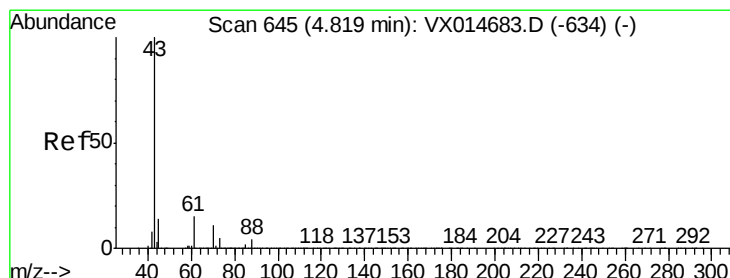
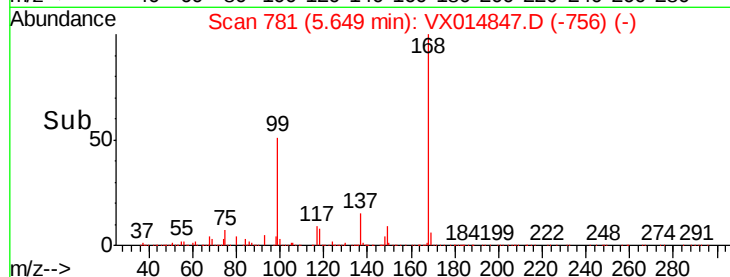
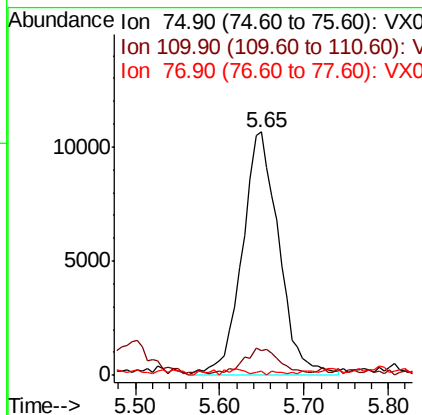
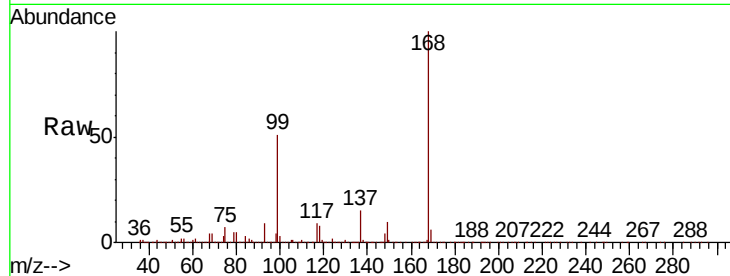




#36
 1,1-Dichloropropene
 Concen: 4.813 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX014847.D
 Acq: 06 Feb 2020 15:00

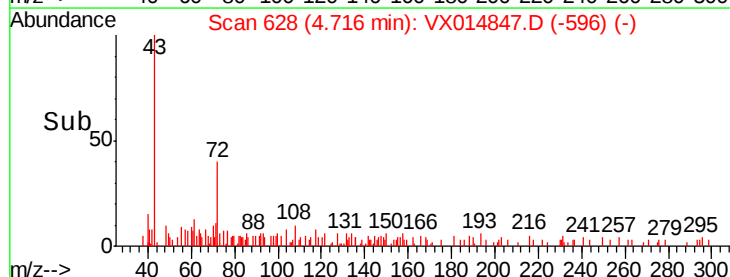
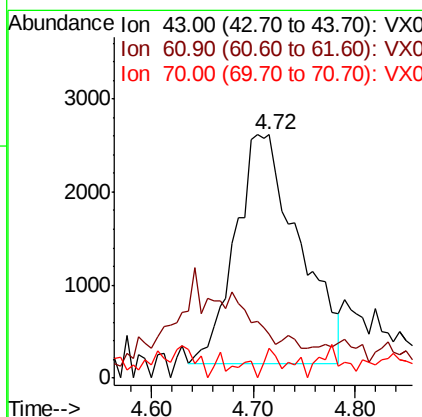
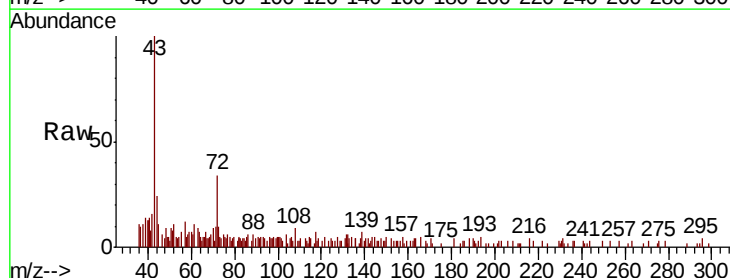
Instrument :
 MSVOA_X
 ClientSampled :

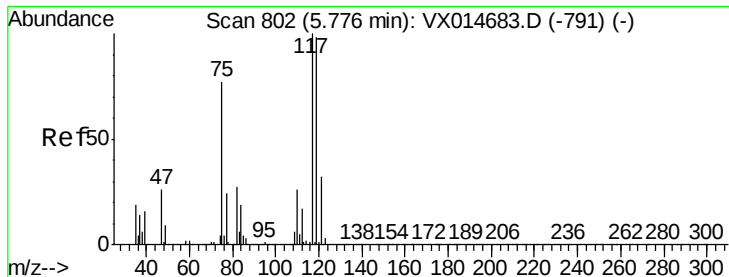
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.9	53.7#
77	0.8	24.1	36.1#



#37
 Ethyl Acetate
 Concen: 1.413 ug/l
 RT: 4.72 min Scan# 628
 Delta R.T. -0.10 min
 Lab File: VX014847.D
 Acq: 06 Feb 2020 15:00

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.0	16.4#
70	2.8	8.5	12.7#





#38

Carbon Tetrachloride

Concen: 6.309 ug/l

RT: 5.65 min Scan# 781

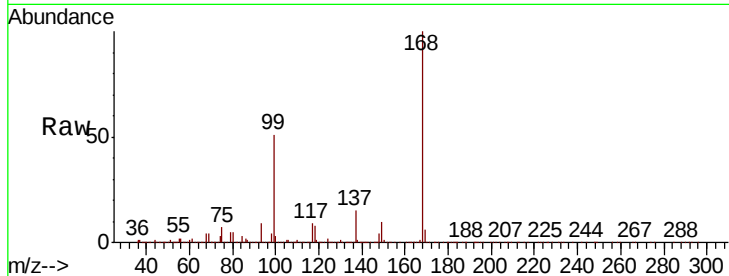
Delta R.T. -0.13 min

Lab File: VX014847.D

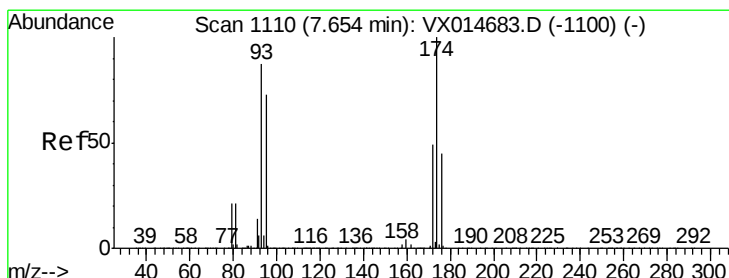
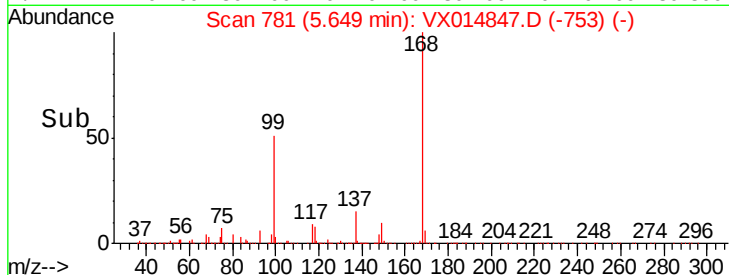
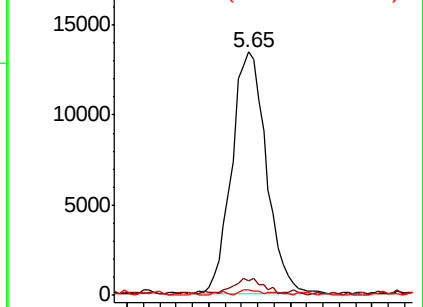
Acq: 06 Feb 2020 15:00

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 39484
Ion Ratio Lower Upper
117 100
119 5.5 77.9 116.9#
121 2.2 25.4 38.2#



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



#46

Dibromomethane

Concen: 0.205 ug/l

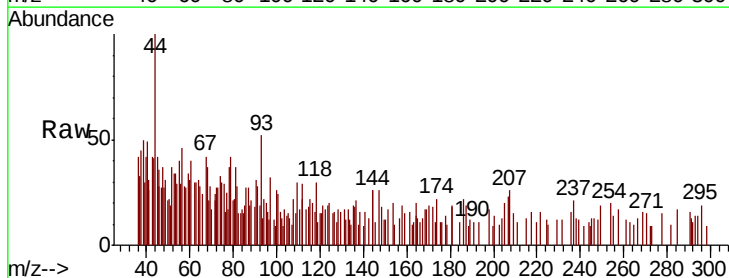
RT: 7.67 min Scan# 1113

Delta R.T. 0.02 min

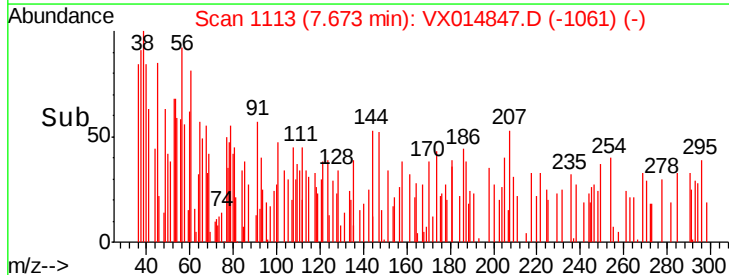
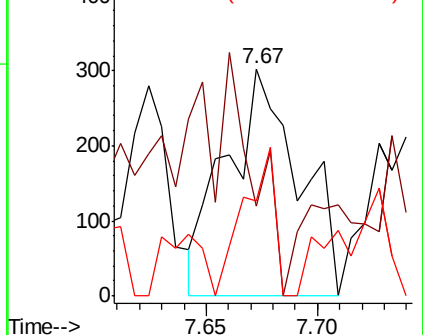
Lab File: VX014847.D

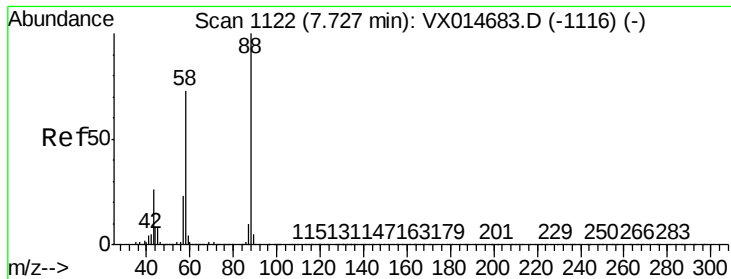
Acq: 06 Feb 2020 15:00

Tgt Ion: 93 Resp: 691
Ion Ratio Lower Upper
93 100
95 0.0 67.0 100.4#
174 27.6 90.2 135.2#



Abundance Ion 92.80 (92.50 to 93.50): VX0
Ion 94.80 (94.50 to 95.50): VX0
Ion 173.70 (173.40 to 174.40): V

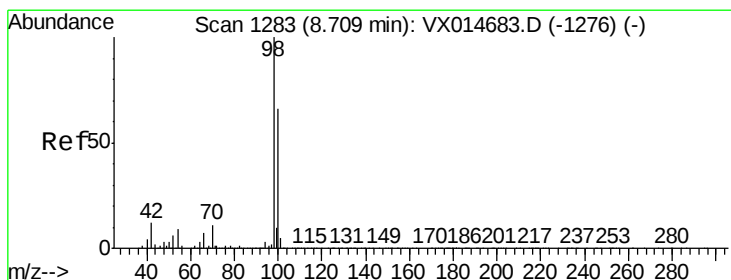
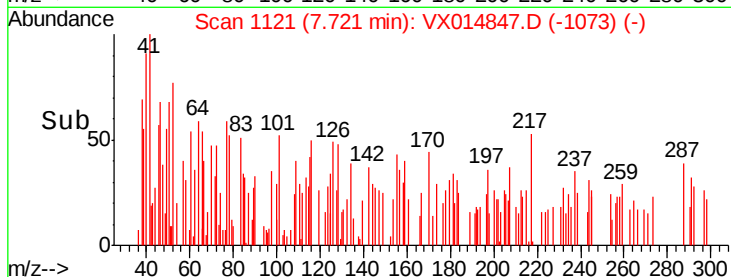
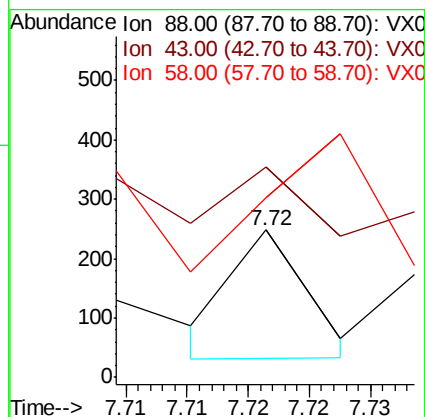
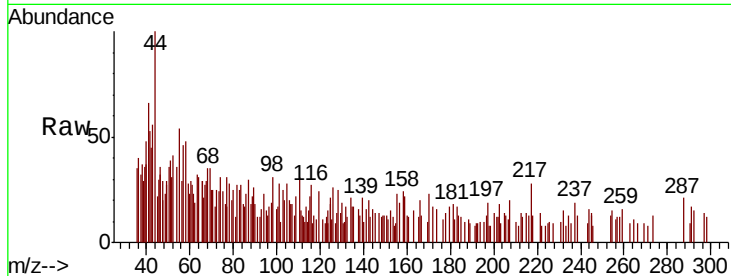




#49
1,4-Dioxane
Concen: 0.731 ug/l
RT: 7.72 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VX014847.D
Acq: 06 Feb 2020 15:00

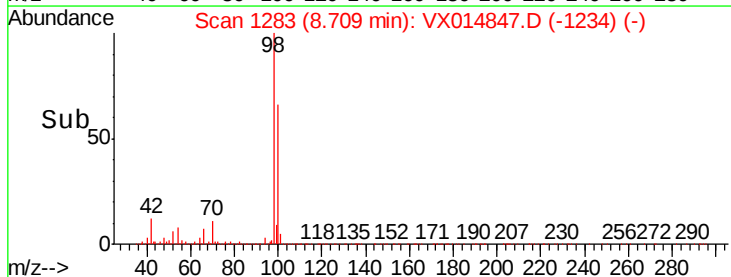
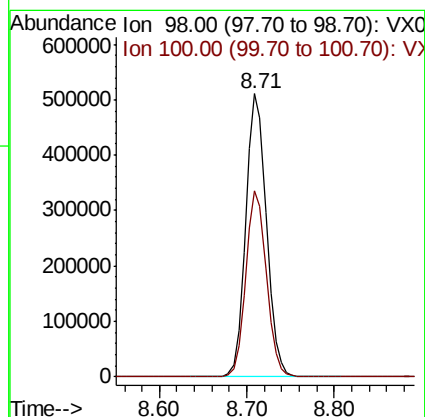
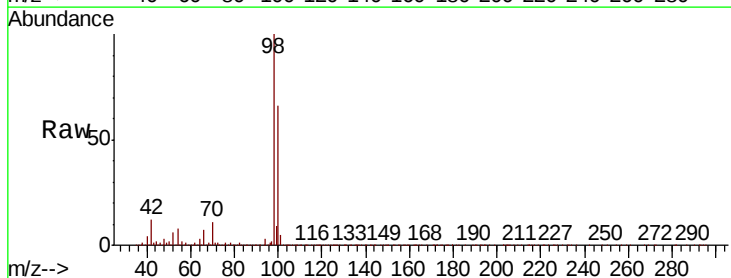
Instrument :
MSVOA_X
ClientSampleId :

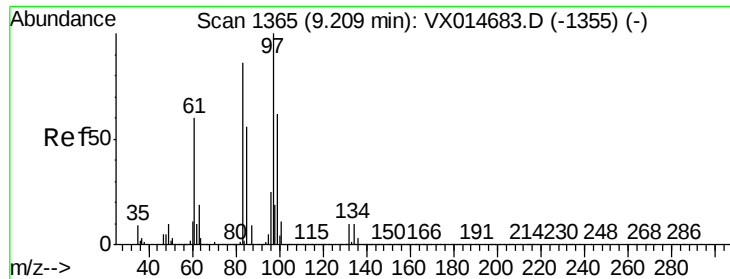
Tot Ion: 88 Resp: 91
Ion Ratio Lower Upper
88 100
43 0.0 26.2 39.2#
58 317.6 56.6 85.0#



#50
Toluene-d8
Concen: 48.772 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014847.D
Acq: 06 Feb 2020 15:00

Tgt Ion: 98 Resp: 834398
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.6

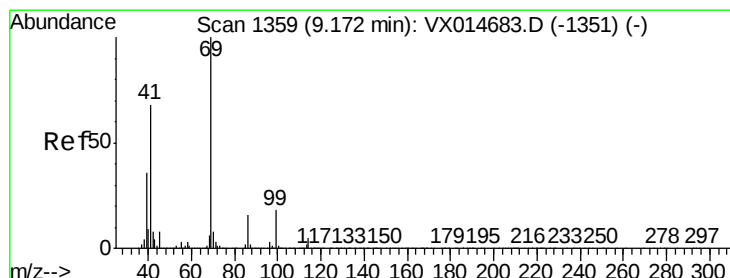
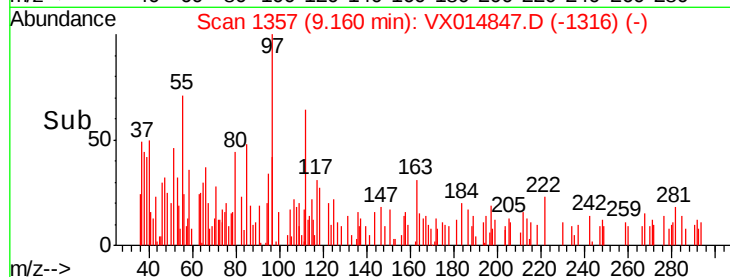
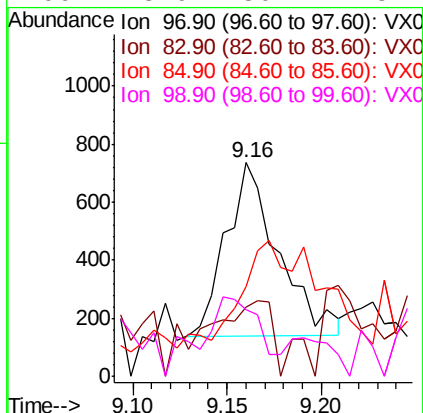
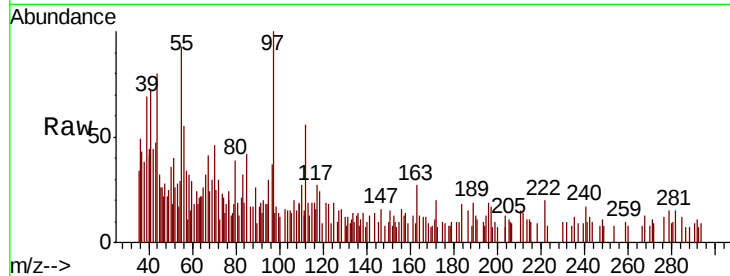




#55
 1,1,2-Trichloroethane
 Concen: 0.224 ug/l
 RT: 9.16 min Scan# 1357
 Delta R.T. -0.05 min
 Lab File: VX014847.D
 Acq: 06 Feb 2020 15:00

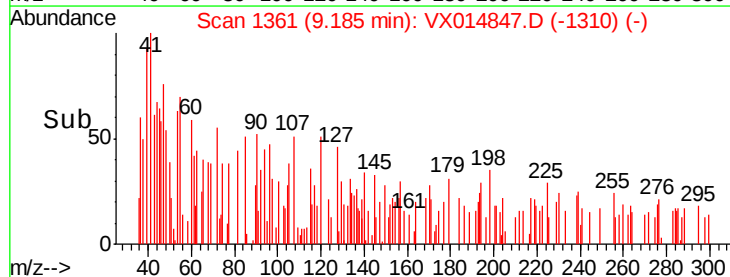
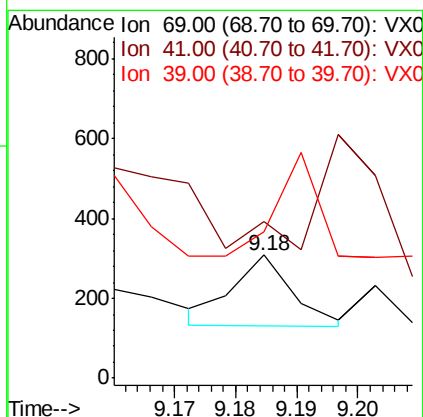
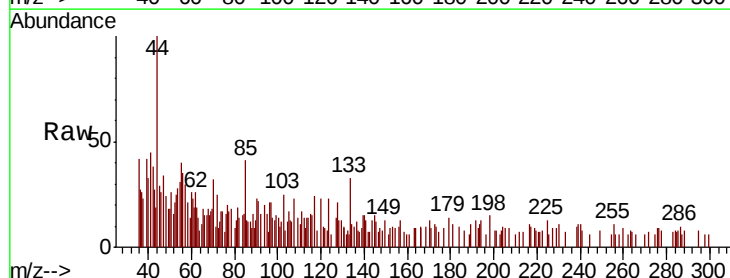
Instrument :
 MSVOA_X
 ClientSampleId :

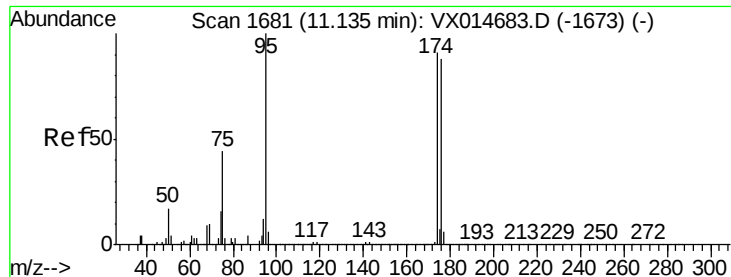
Tot Ion:	97	Resp:	1140
Ion	Ratio	Lower	Upper
97	100		
83	24.2	69.2	103.8#
85	27.3	44.6	67.0#
99	25.9	50.1	75.1#



#56
 Ethyl methacrylate
 Concen: 1.798 ug/l
 RT: 9.18 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VX014847.D
 Acq: 06 Feb 2020 15:00

Tgt Ion:	69	Resp:	120
Ion	Ratio	Lower	Upper
69	100		
41	185.8	54.9	82.3#
39	286.7	29.3	43.9#

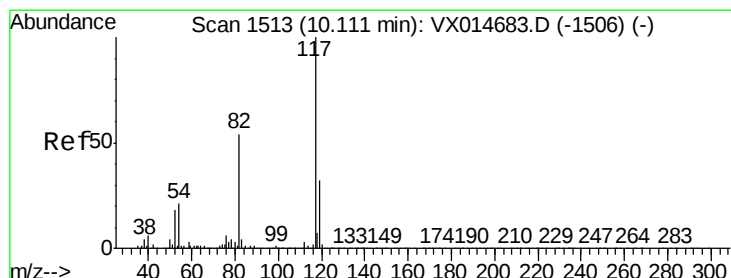
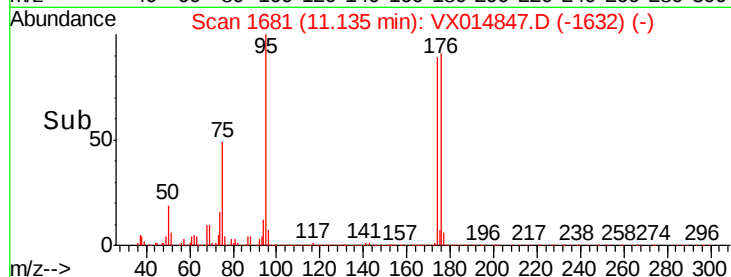
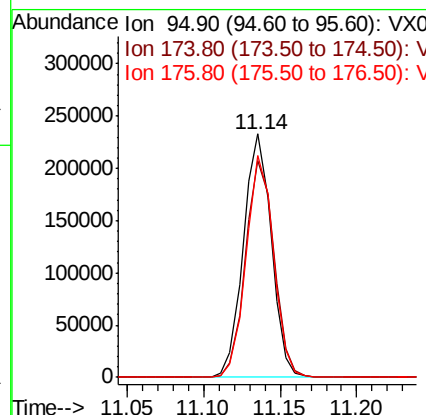
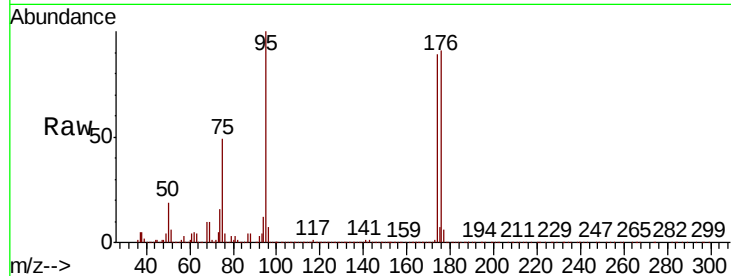




#62
4-Bromofluorobenzene
Concen: 48.492 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX014847.D
Acq: 06 Feb 2020 15:00

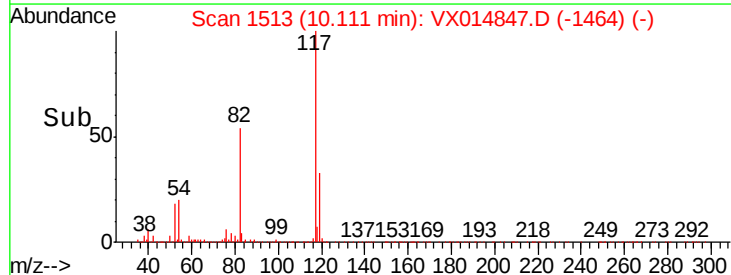
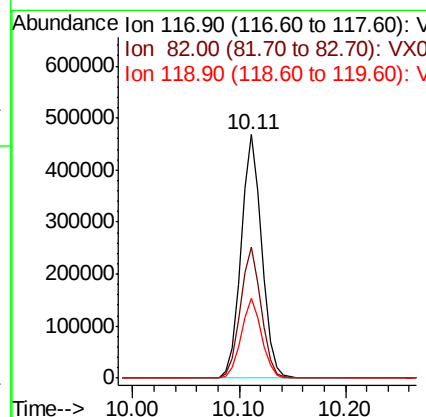
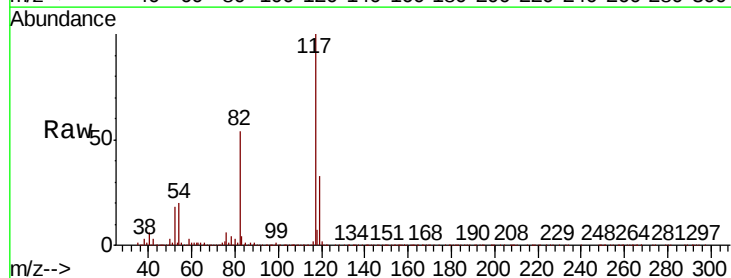
Instrument :
MSVOA_X
ClientSampleId :

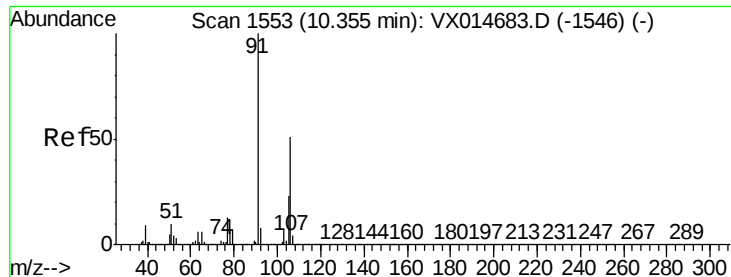
Tot Ion	Ratio	Lower	Upper
95	100		
174	91.4	0.0	176.0
176	89.0	0.0	172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014847.D
Acq: 06 Feb 2020 15:00

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.6	43.2	64.8
119	32.5	25.8	38.6





#68

m/p-Xylenes

Concen: 0.591 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014847.D

Acq: 06 Feb 2020 15:00

Instrument :

MSVOA_X

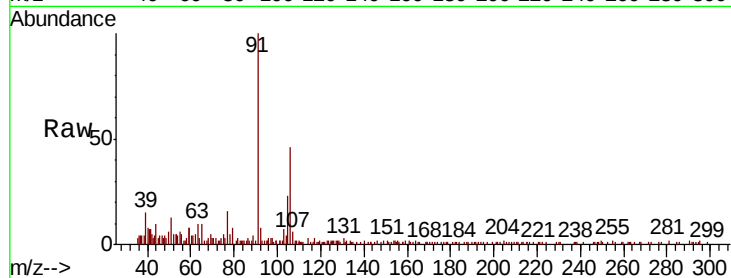
ClientSampleId :

Tot Ion:106 Resp: 5216

Ion Ratio Lower Upper

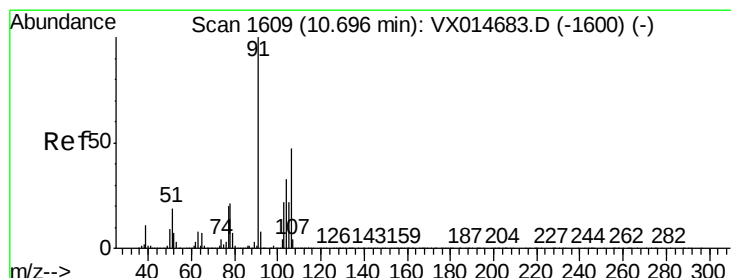
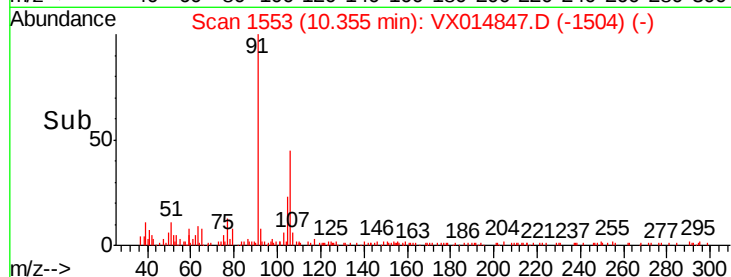
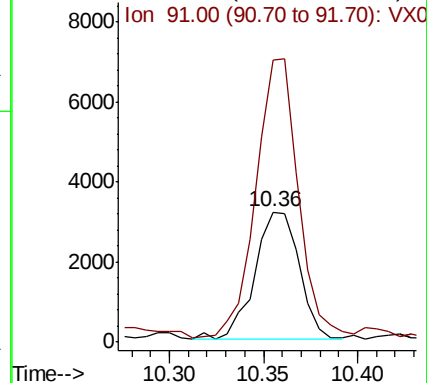
106 100

91 207.3 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 0.255 ug/l

RT: 10.70 min Scan# 1610

Delta R.T. 0.01 min

Lab File: VX014847.D

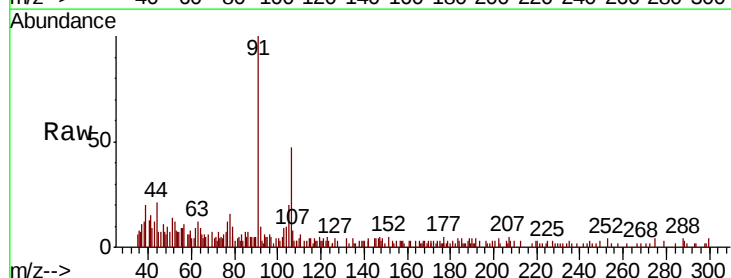
Acq: 06 Feb 2020 15:00

Tgt Ion:106 Resp: 2167

Ion Ratio Lower Upper

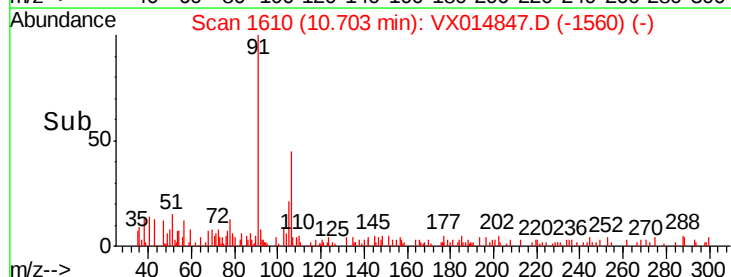
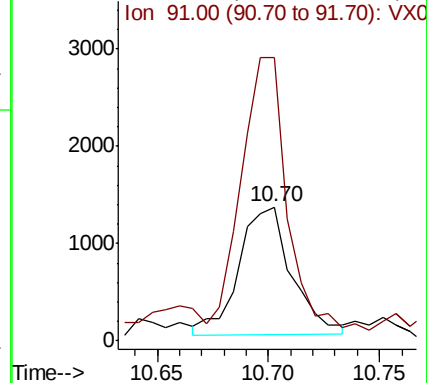
106 100

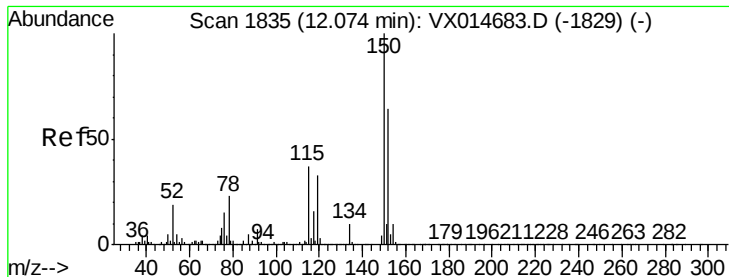
91 185.6 106.2 318.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



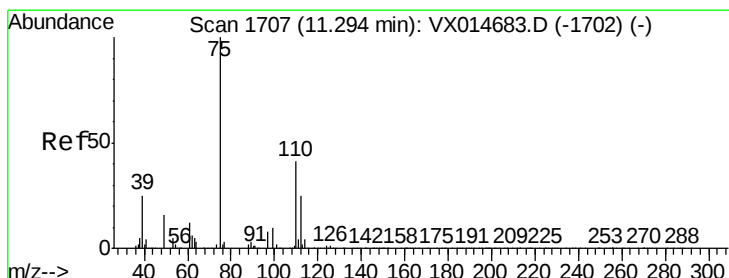
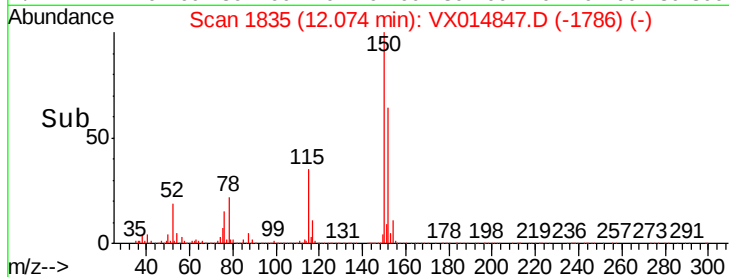
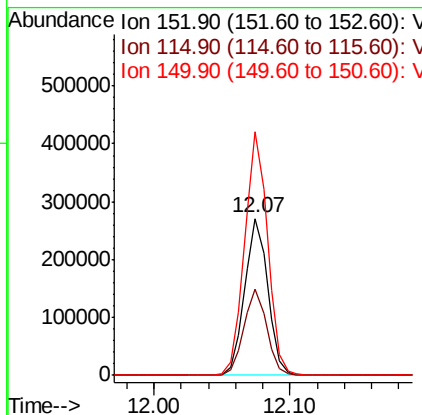
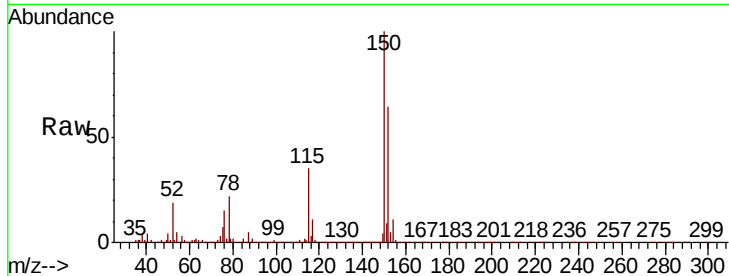


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014847.D
Acq: 06 Feb 2020 15:00

Instrument :
MSVOA_X
ClientSampleId :

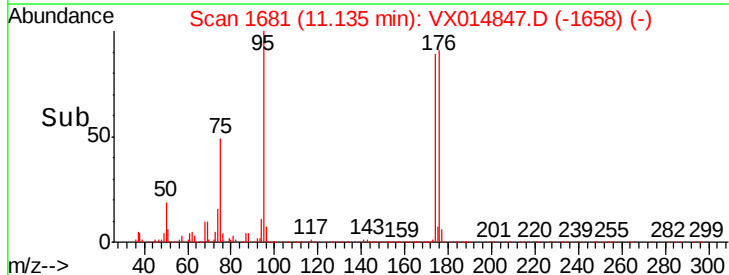
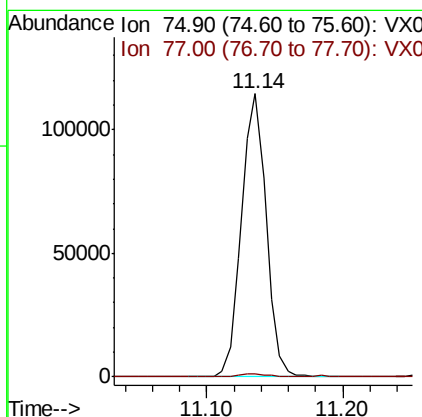
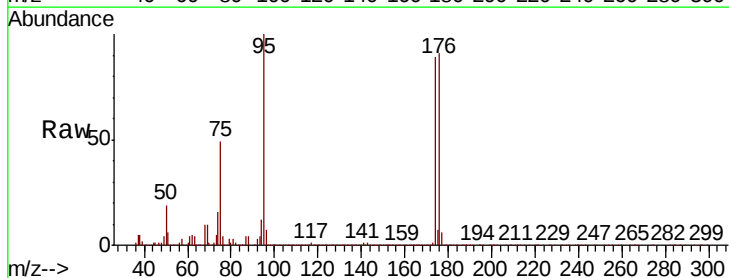
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.6	39.4	118.1
150	154.7	0.0	351.2

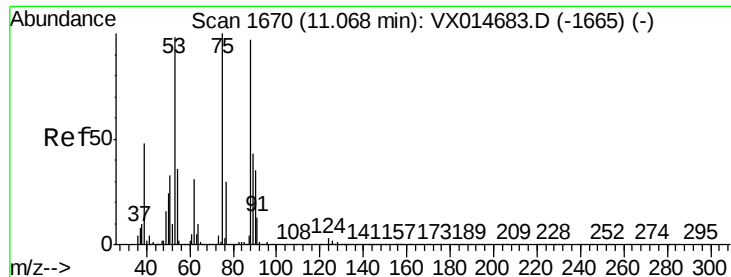


#76

1,2,3-Trichloropropane
Concen: 19.470 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.16 min
Lab File: VX014847.D
Acq: 06 Feb 2020 15:00

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	18.7	56.1

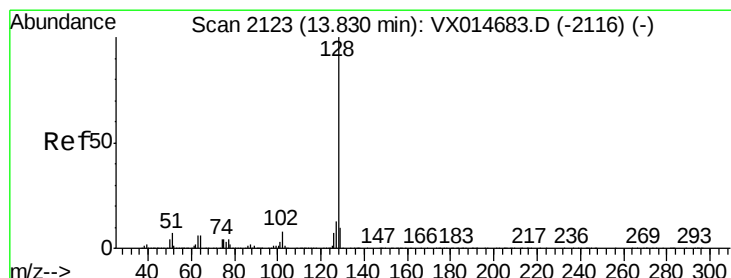
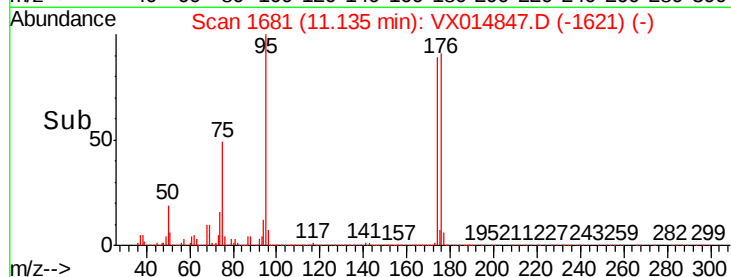
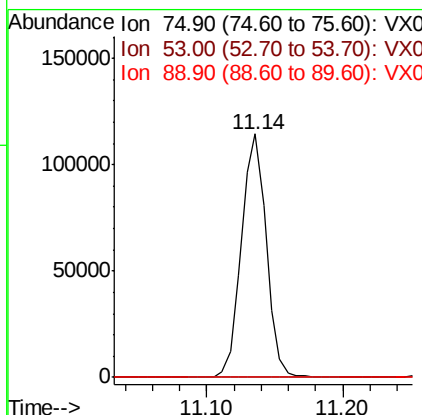
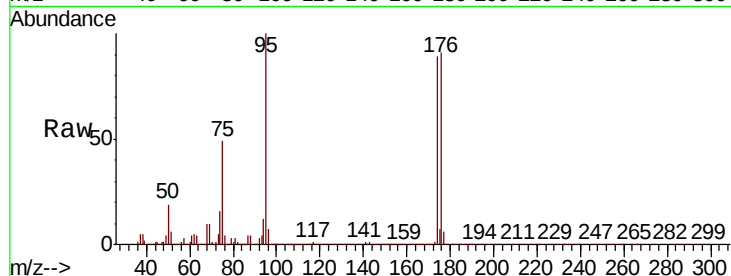




#81
trans-1,4-Dichloro-2-butene
Concen: 55.407 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.07 min
Lab File: VX014847.D
Acq: 06 Feb 2020 15:00

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.6	78.8	118.2#
89	0.1	35.4	53.0#



#95
Naphthalene
Concen: 1.221 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014847.D
Acq: 06 Feb 2020 15:00

Tgt Ion	Ratio	Lower	Upper
128	100		
127	19.6	10.3	15.5#
129	16.5	8.6	12.8#

