

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122719\
 Data File : VX014319.D
 Acq On : 27 Dec 2019 19:14
 Operator : JC/SP
 Sample : K6449-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LW-05

Quant Time: Dec 30 05:38:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	503430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	782291	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	703283	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	309971	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	286250	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
35) Dibromofluoromethane	5.49	113	233059	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
50) Toluene-d8	8.71	98	932133	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
62) 4-Bromofluorobenzene	11.13	95	313749	46.36	ug/l	0.00
Spiked Amount			Recovery	=	92.72%	

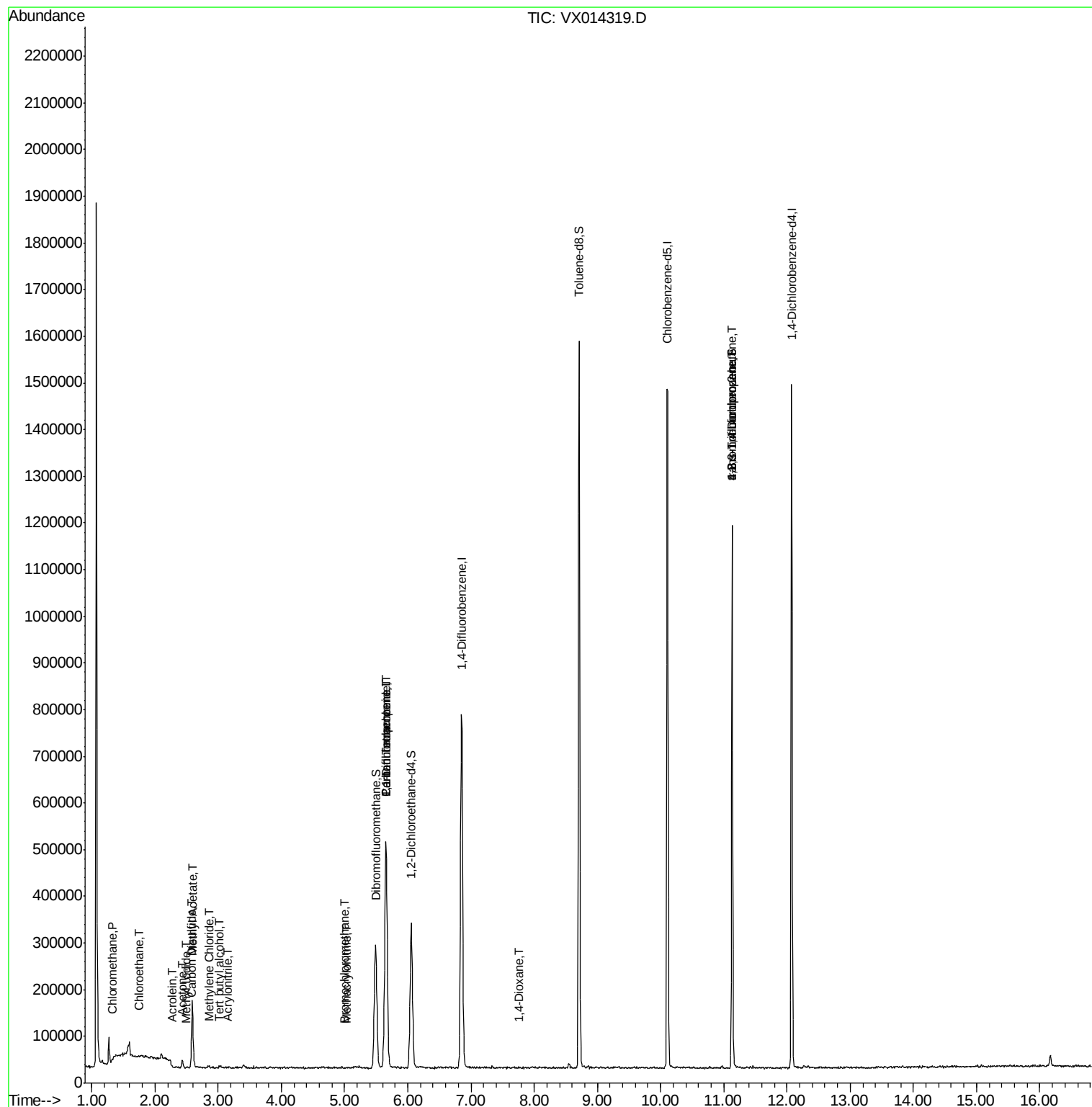
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2481	0.410	ug/l #	85
6) Chloroethane	1.74	64	1721	0.437	ug/l #	82
10) Methyl Iodide	2.50	142	323	2.670	ug/l #	85
11) Tert butyl alcohol	3.02	59	4275	3.468	ug/l #	60
13) Acrolein	2.28	56	343	0.486	ug/l #	14
15) Acrylonitrile	3.15	53	719	0.250	ug/l #	74
16) Acetone	2.43	43	16836	4.545	ug/l	100
17) Carbon Disulfide	2.57	76	1194	0.838	ug/l #	8
18) Methyl Acetate	2.59	43	39357	5.362	ug/l #	52
20) Methylene Chloride	2.85	84	2829	0.485	ug/l	93
28) Bromochloromethane	5.01	49	206	0.509	ug/l #	62
36) 1,1-Dichloropropene	5.65	75	34875	4.859	ug/l #	50
38) Carbon Tetrachloride	5.65	117	43603	6.668	ug/l #	16
41) Methacrylonitrile	5.04	41	1085	0.247	ug/l #	38
49) 1,4-Dioxane	7.75	88	221	1.691	ug/l #	46
76) 1,2,3-Trichloropropane	11.13	75	149624	22.234	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	149624	62.757	ug/l #	12

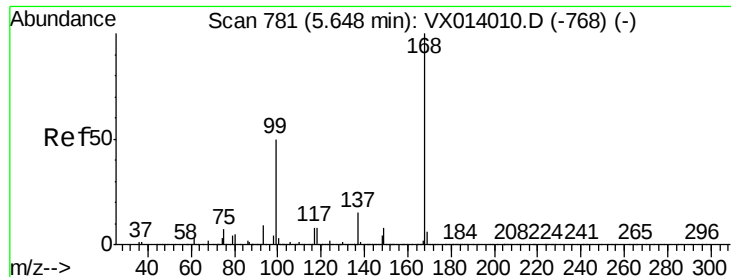
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
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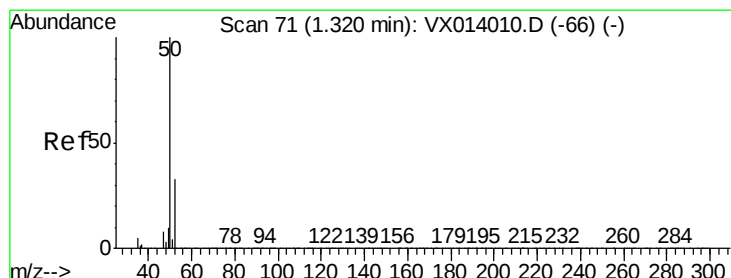
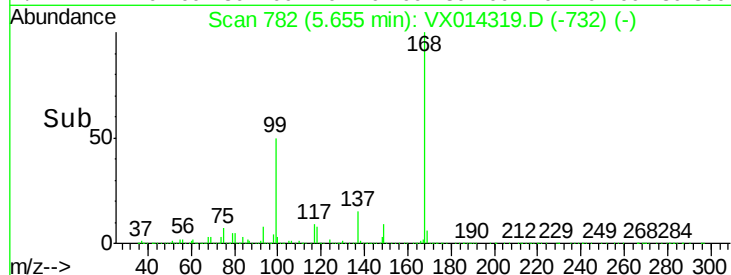
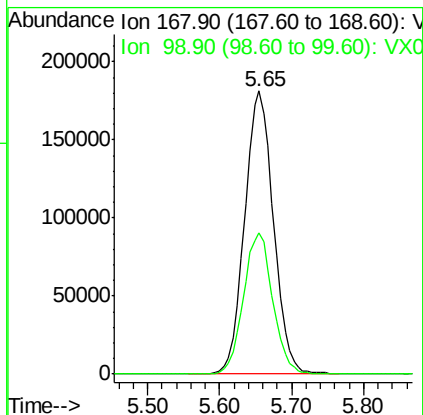
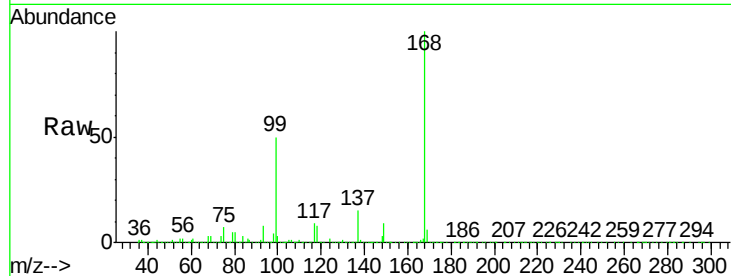


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX014319.D
 Acq: 27 Dec 2019 19:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LW-05

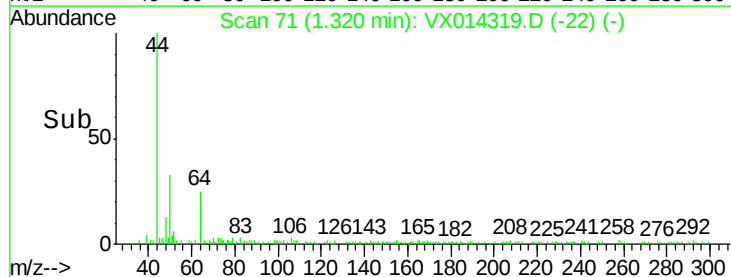
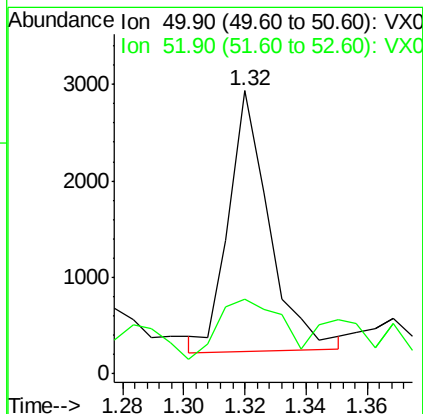
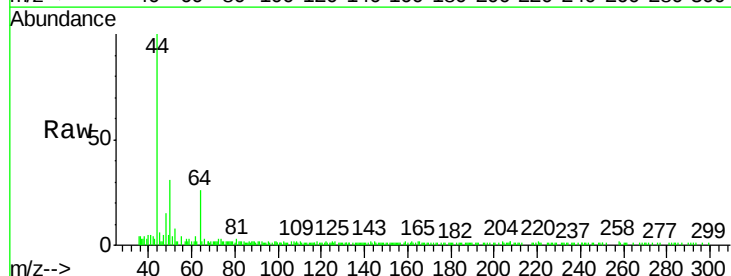
Tgt Ion: 168 Resp: 503430
 Ion Ratio Lower Upper
 168 100
 99 49.8 40.3 60.5

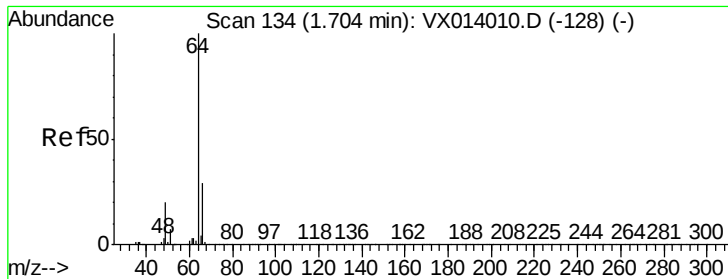


#3

Chloromethane
 Concen: 0.410 ug/l
 RT: 1.32 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VX014319.D
 Acq: 27 Dec 2019 19:14

Tgt Ion: 50 Resp: 2481
 Ion Ratio Lower Upper
 50 100
 52 24.6 26.2 39.4#





#6

Chloroethane

Concen: 0.437 ug/l

RT: 1.74 min Scan# 140

Delta R.T. 0.04 min

Lab File: VX014319.D

Acq: 27 Dec 2019 19:14

Instrument :

MSVOA_X

ClientSampled :

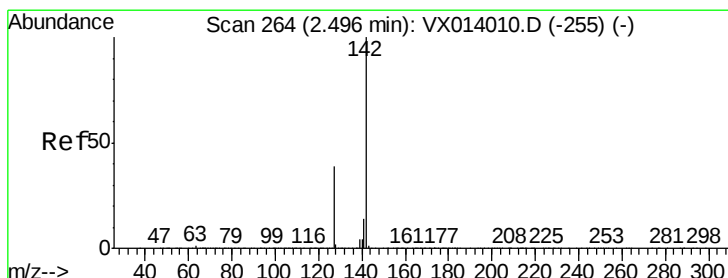
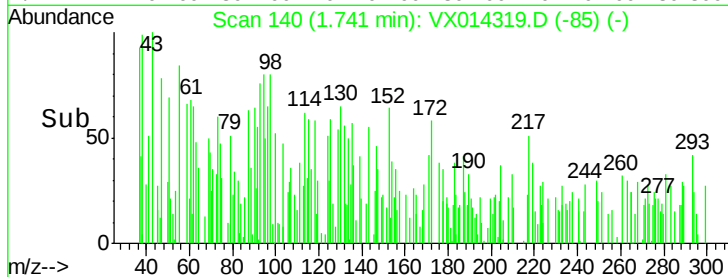
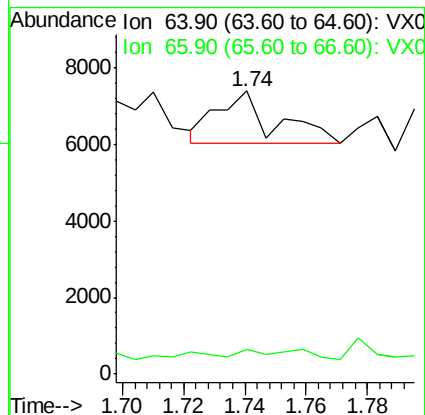
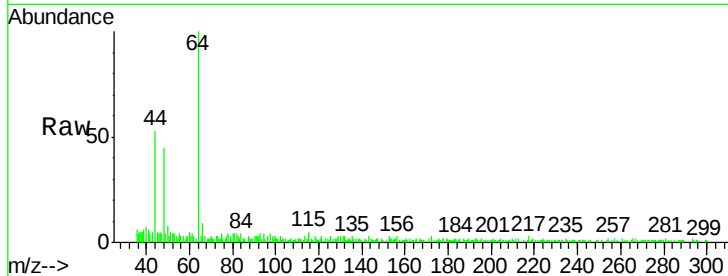
LW-05

Tgt Ion: 64 Resp: 1721

Ion Ratio Lower Upper

64 100

66 19.7 23.4 35.2#



#10

Methyl Iodide

Concen: 2.670 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX014319.D

Acq: 27 Dec 2019 19:14

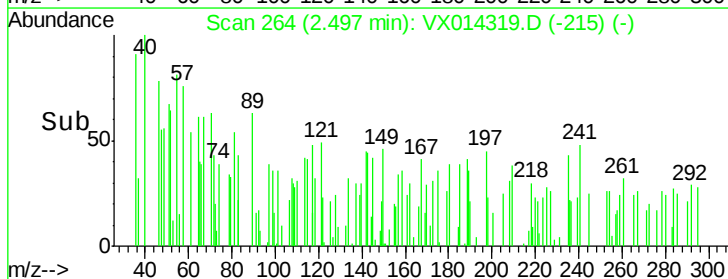
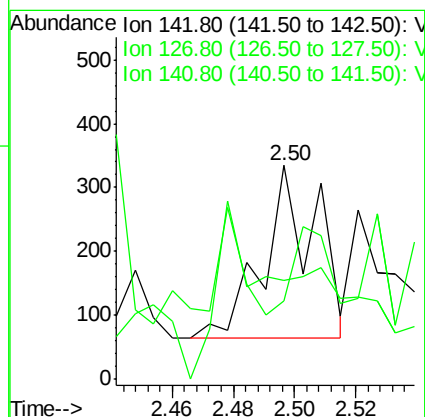
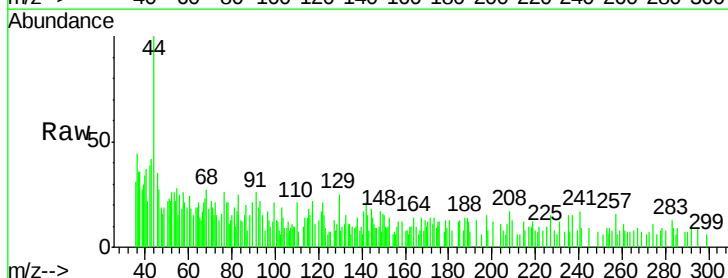
Tgt Ion: 142 Resp: 323

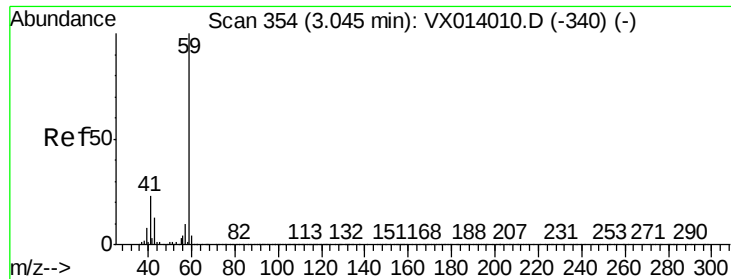
Ion Ratio Lower Upper

142 100

127 34.7 31.6 47.4

141 0.0 11.6 17.4#



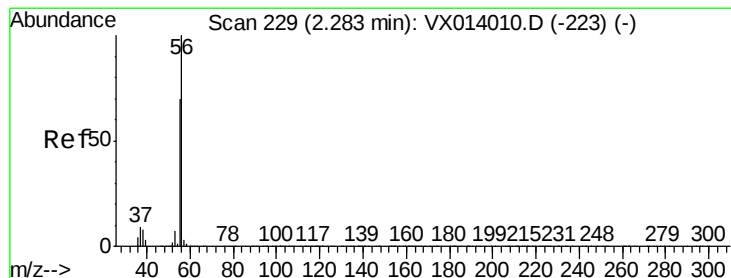
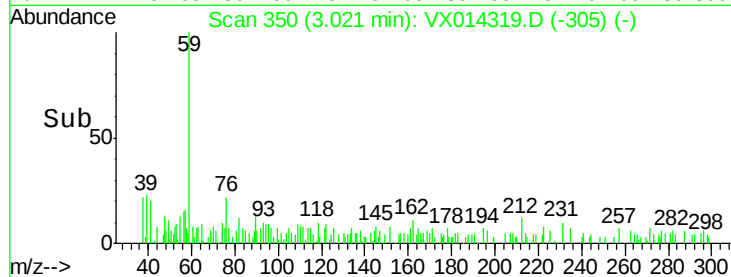
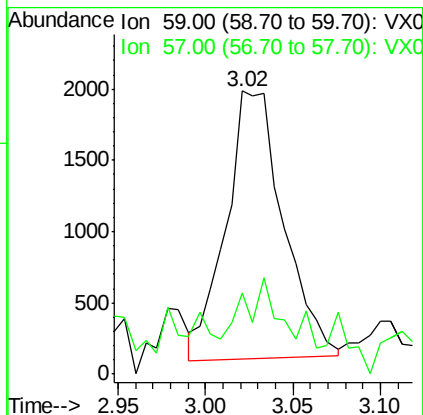
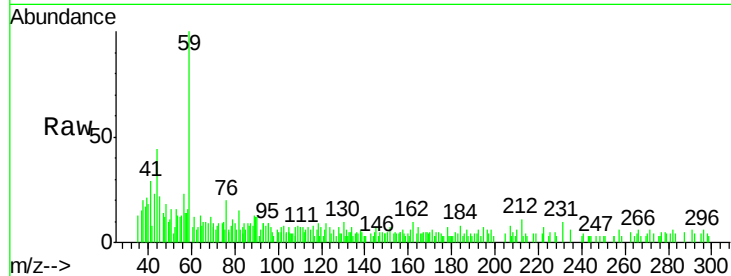


#11

Tert butyl alcohol
 Concen: 3.468 ug/l
 RT: 3.02 min Scan# 350
 Delta R.T. -0.02 min
 Lab File: VX014319.D
 Acq: 27 Dec 2019 19:14

Instrument :
 MSVOA_X
 ClientSampleId :
 LW-05

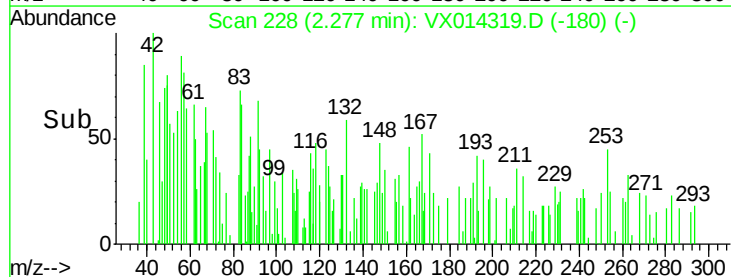
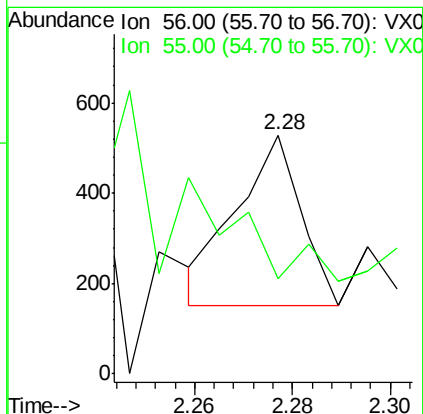
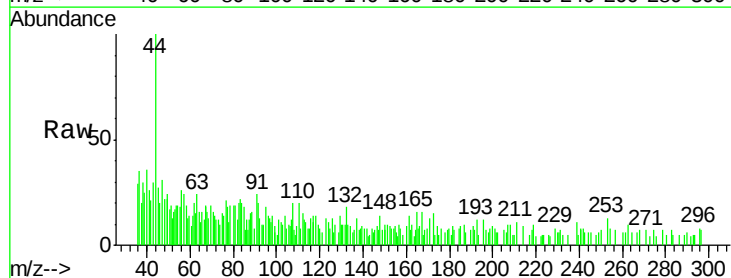
Tgt Ion: 59 Resp: 4275
 Ion Ratio Lower Upper
 59 100
 57 25.4 8.4 12.6#

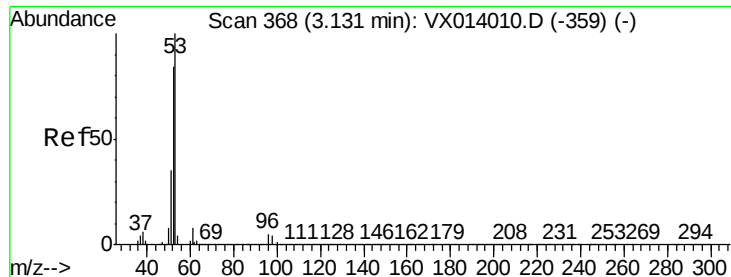


#13

Acrolein
 Concen: 0.486 ug/l
 RT: 2.28 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: VX014319.D
 Acq: 27 Dec 2019 19:14

Tgt Ion: 56 Resp: 343
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.9 85.3#





#15

Acrylonitrile

Concen: 0.250 ug/l

RT: 3.15 min Scan# 372

Delta R.T. 0.02 min

Lab File: VX014319.D

Acq: 27 Dec 2019 19:14

Instrument :

MSVOA_X

ClientSampled :

LW-05

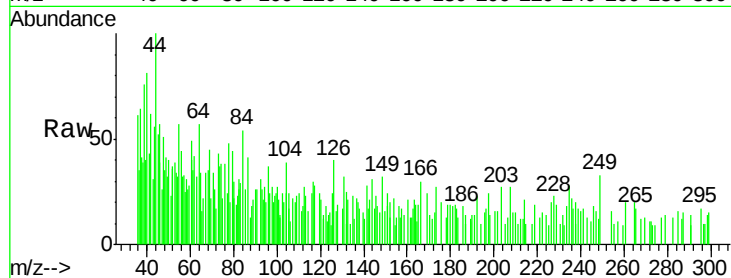
Tgt Ion: 53 Resp: 719

Ion Ratio Lower Upper

53 100

52 63.6 66.5 99.7#

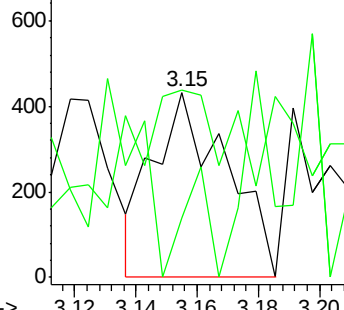
51 13.1 28.1 42.1#



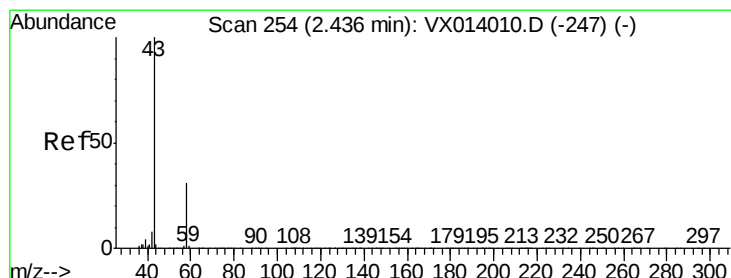
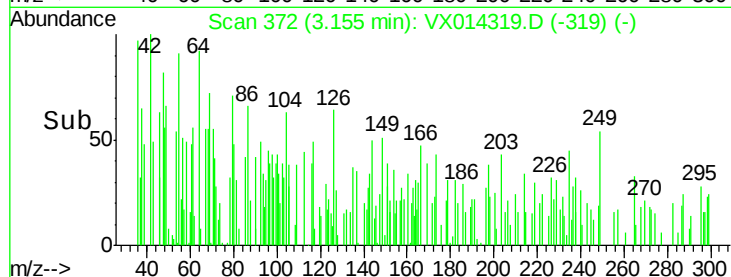
Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->



#16

Acetone

Concen: 4.545 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014319.D

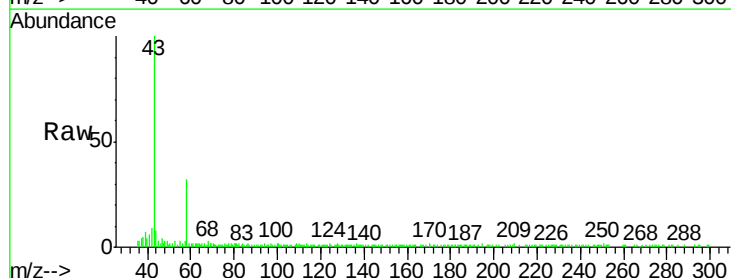
Acq: 27 Dec 2019 19:14

Tgt Ion: 43 Resp: 16836

Ion Ratio Lower Upper

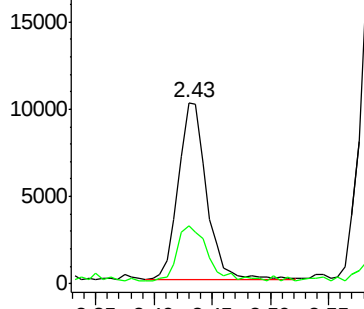
43 100

58 31.2 24.9 37.3

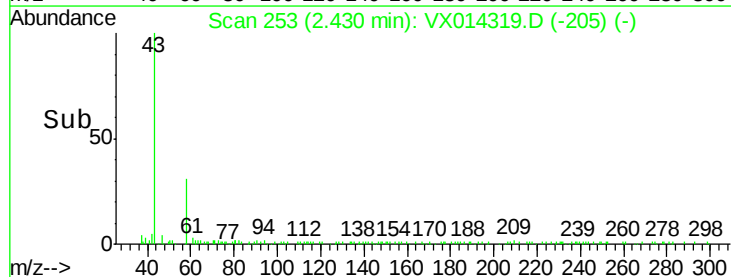


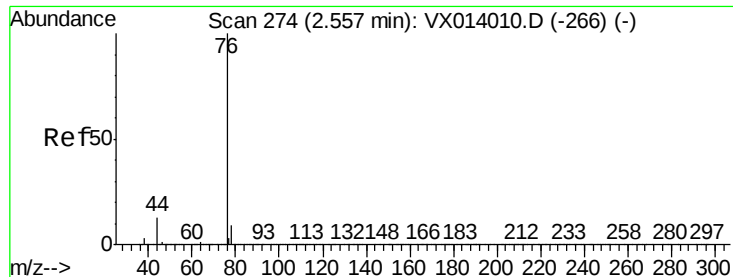
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->





#17

Carbon Disulfide

Concen: 0.838 ug/l

RT: 2.57 min Scan# 276

Delta R.T. 0.01 min

Lab File: VX014319.D

Acq: 27 Dec 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

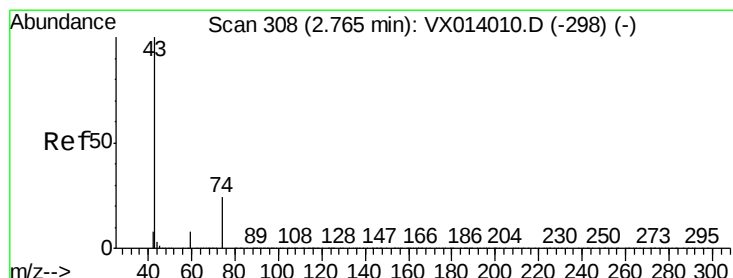
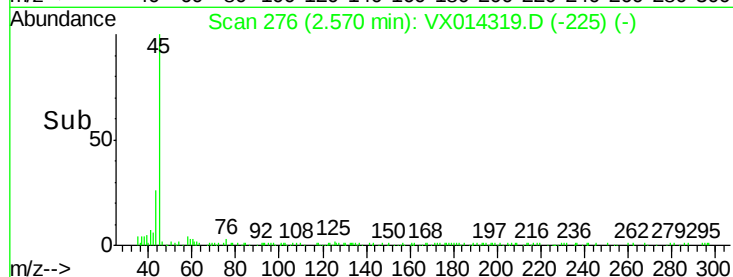
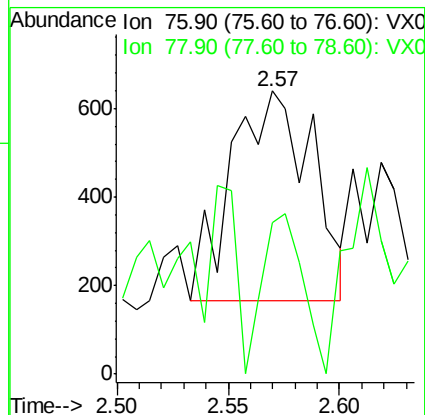
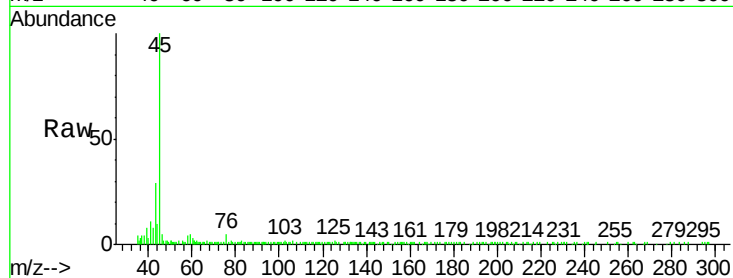
LW-05

Tgt Ion: 76 Resp: 1194

Ion Ratio Lower Upper

76 100

78 42.4 7.2 10.8#



#18

Methyl Acetate

Concen: 5.362 ug/l

RT: 2.59 min Scan# 279

Delta R.T. -0.18 min

Lab File: VX014319.D

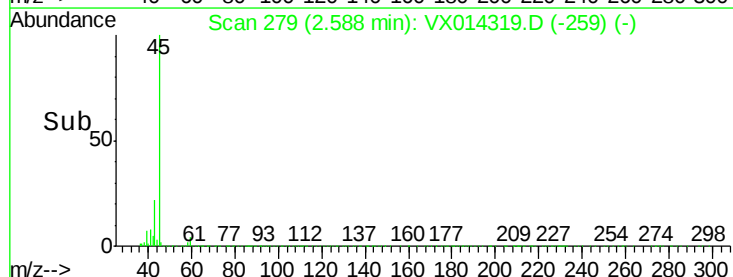
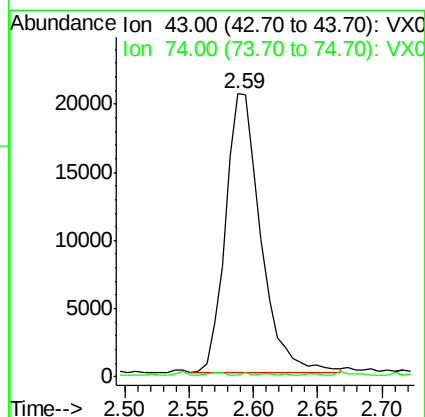
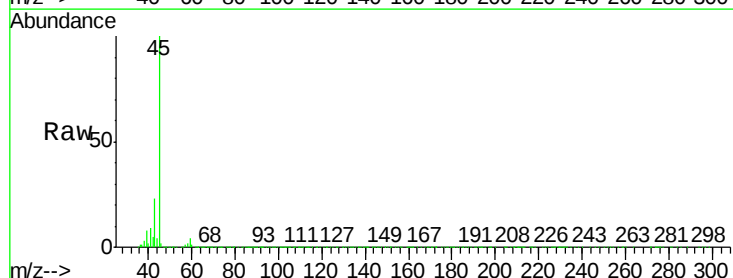
Acq: 27 Dec 2019 19:14

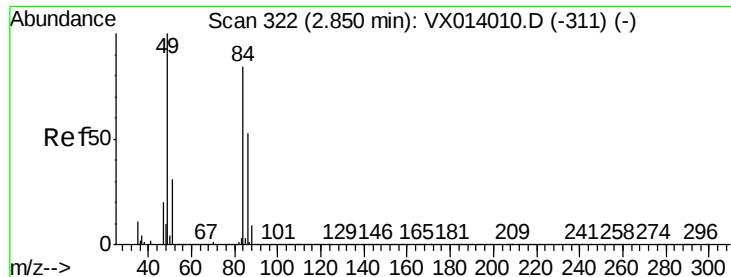
Tgt Ion: 43 Resp: 39357

Ion Ratio Lower Upper

43 100

74 0.6 19.5 29.3#

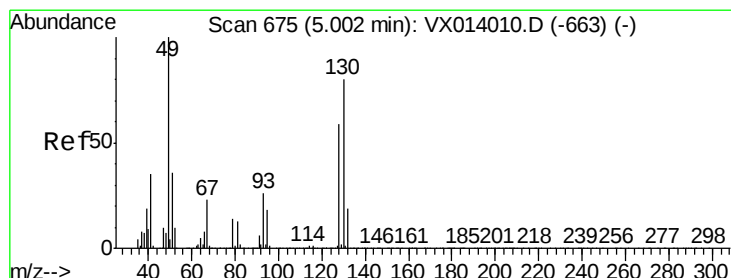
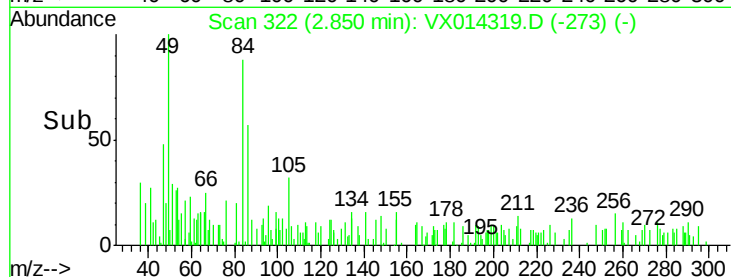
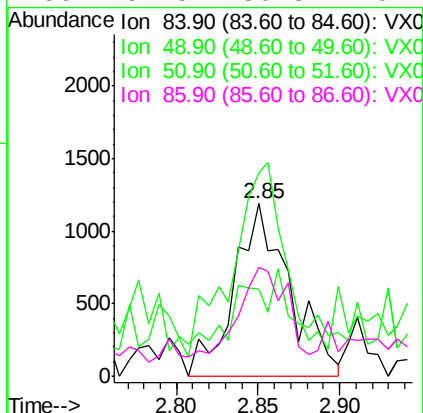
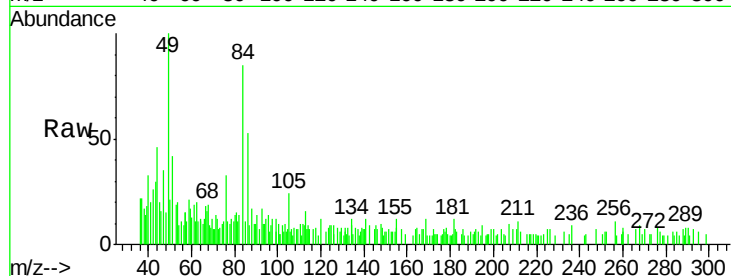




#20
Methylene Chloride
Concen: 0.485 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014319.D
Acq: 27 Dec 2019 19:14

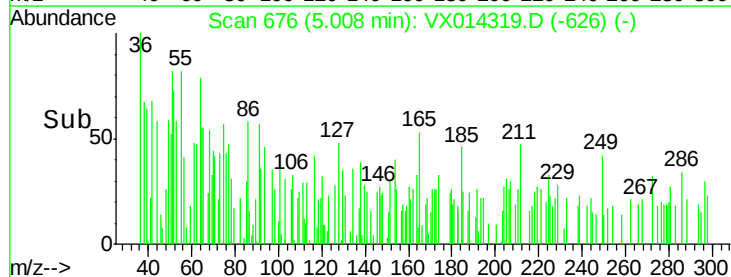
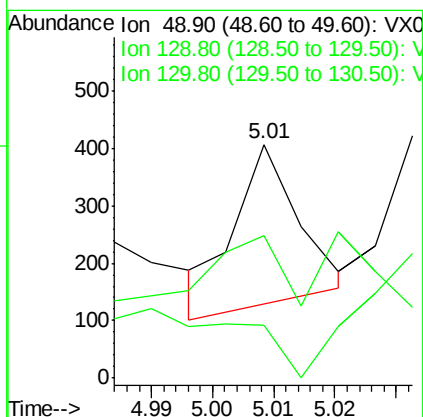
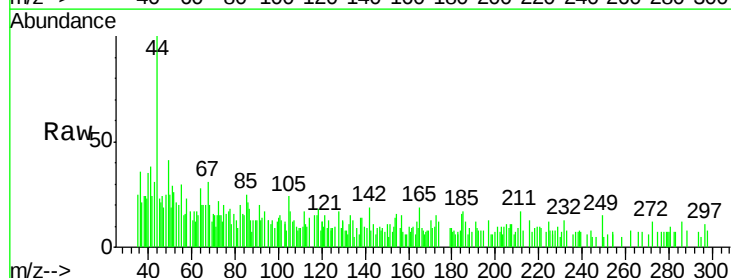
Instrument :
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ClientSampled :
LW-05

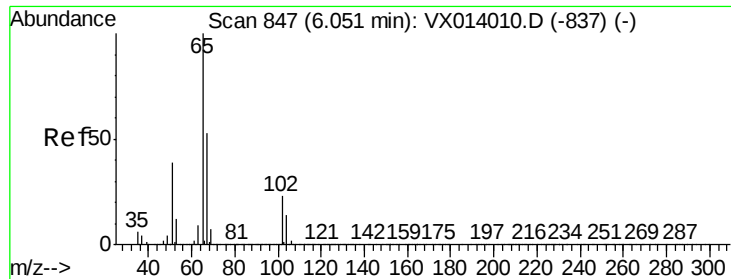
Tgt Ion:	84	Resp:	2829
Ion	Ratio	Lower	Upper
84	100		
49	115.4	95.8	143.6
51	33.9	29.8	44.8
86	52.5	50.8	76.2



#28
Bromochloromethane
Concen: 0.509 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX014319.D
Acq: 27 Dec 2019 19:14

Tgt Ion:	49	Resp:	206
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.0
130	46.1	64.6	97.0#

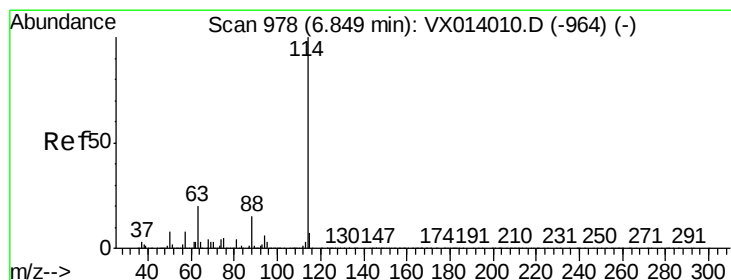
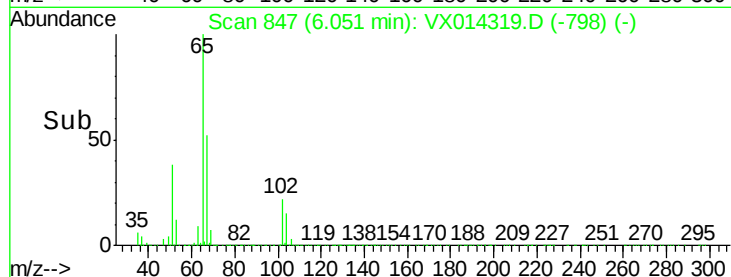
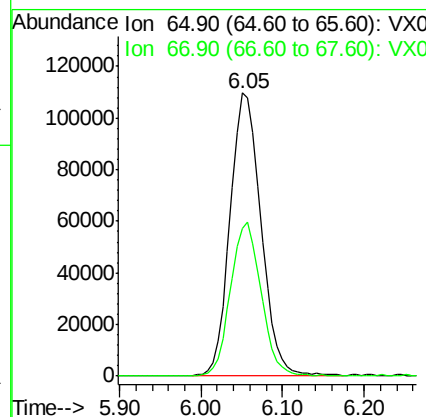
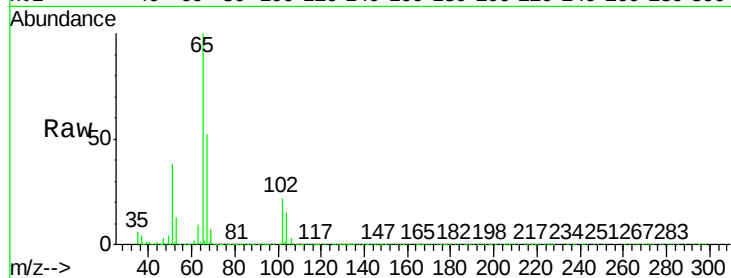




#33
 1,2-Dichloroethane-d4
 Concen: 50.169 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014319.D
 Acq: 27 Dec 2019 19:14

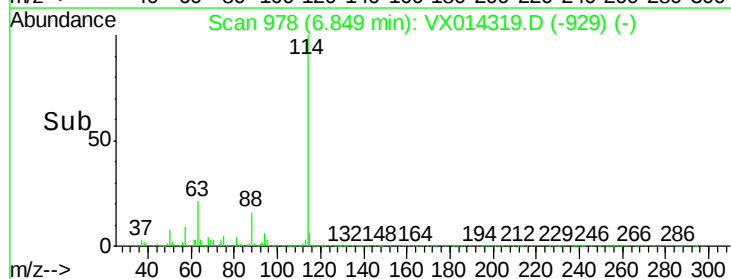
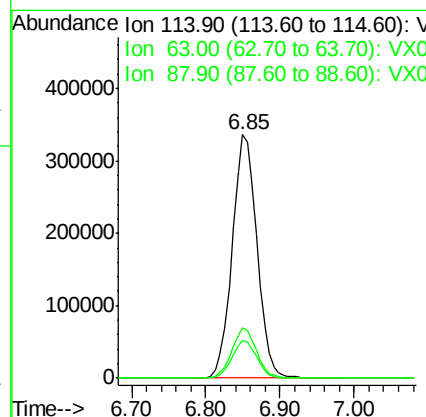
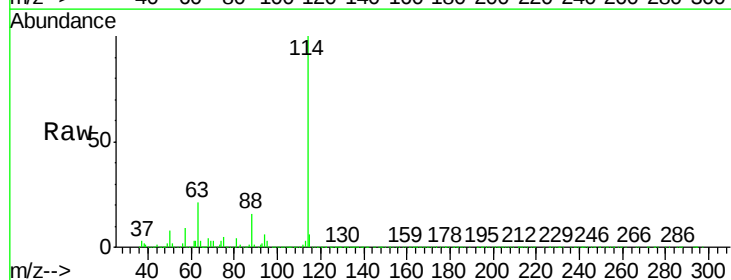
Instrument :
 MSVOA_X
 ClientSampleId :
 LW-05

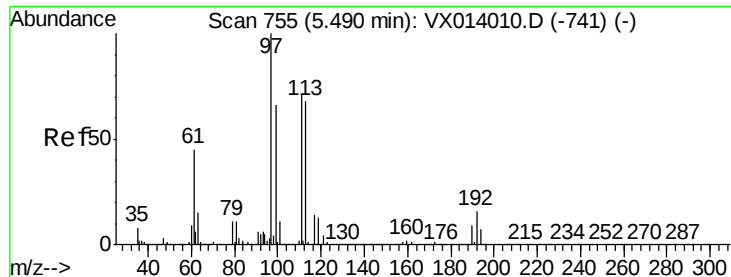
Tgt Ion: 65 Resp: 286250
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014319.D
 Acq: 27 Dec 2019 19:14

Tgt Ion: 114 Resp: 782291
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.8
 88 15.6 0.0 30.4

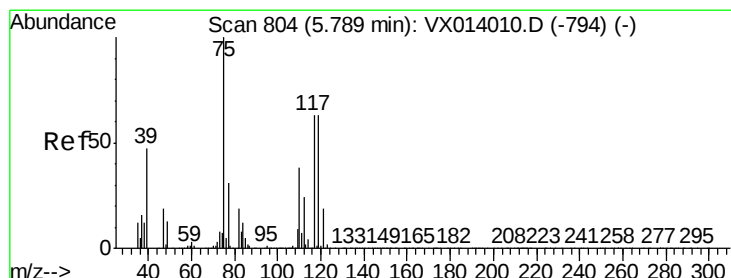
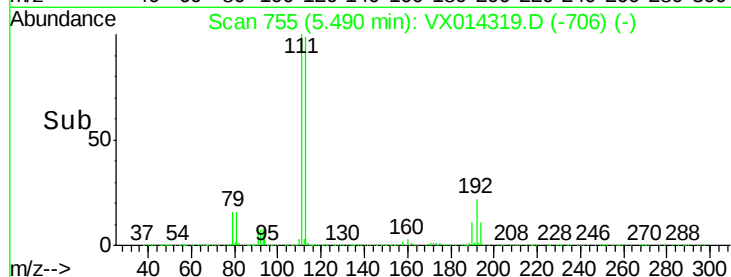
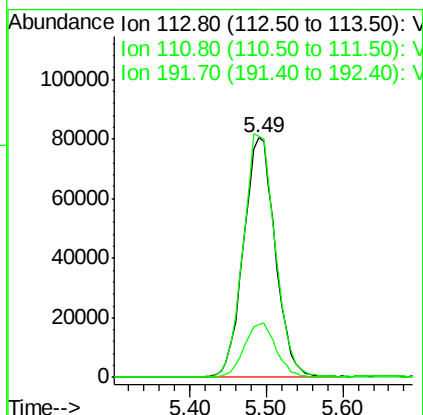
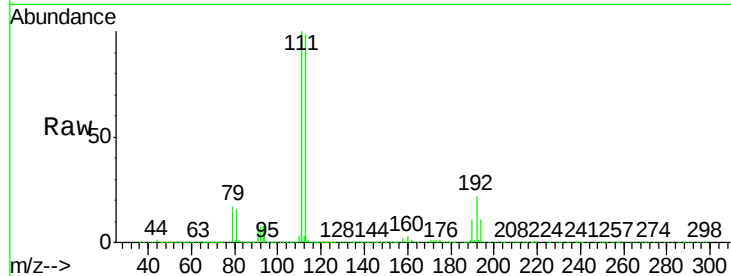




#35
Dibromofluoromethane
Concen: 49.009 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX014319.D
Acq: 27 Dec 2019 19:14

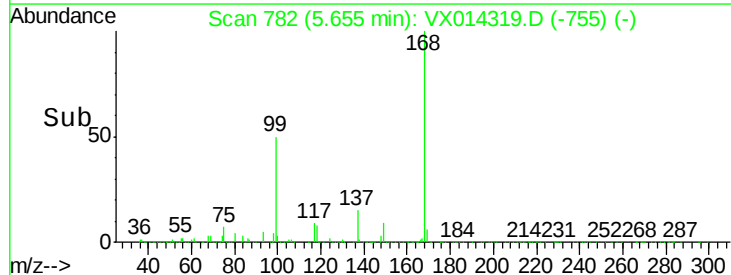
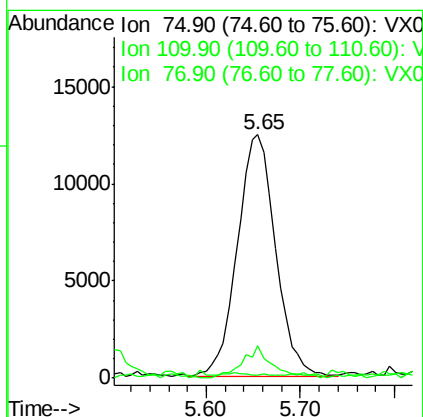
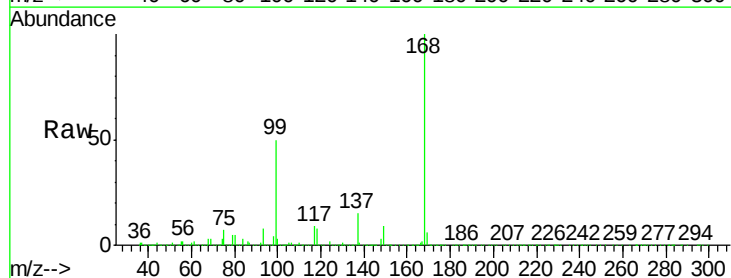
Instrument :
MSVOA_X
ClientSampled :
LW-05

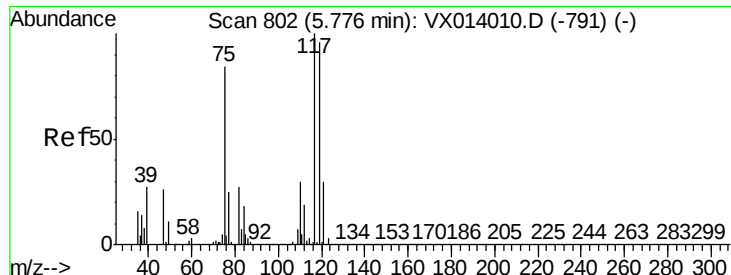
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.0	123.0
192	22.5	19.3	28.9



#36
1,1-Dichloropropene
Concen: 4.859 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.13 min
Lab File: VX014319.D
Acq: 27 Dec 2019 19:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.6	18.3	54.9#
77	0.0	24.8	37.2#

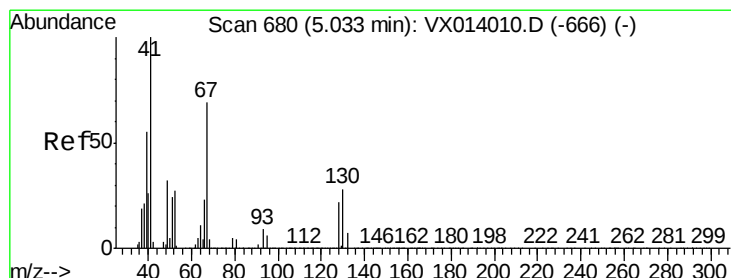
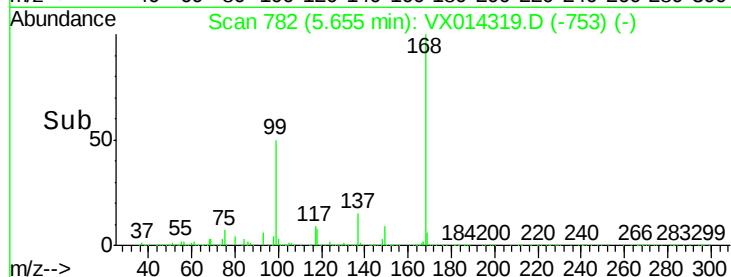
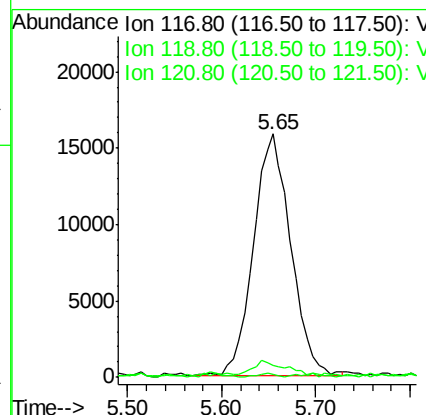
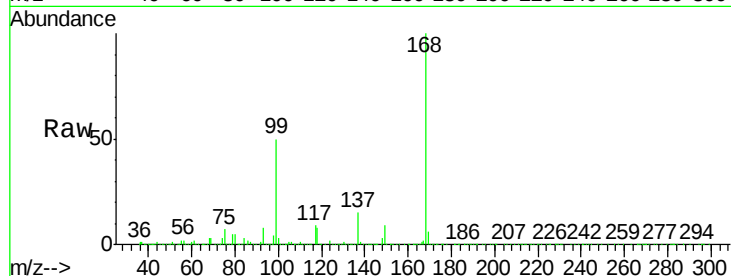




#38
Carbon Tetrachloride
Concen: 6.668 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX014319.D
Acq: 27 Dec 2019 19:14

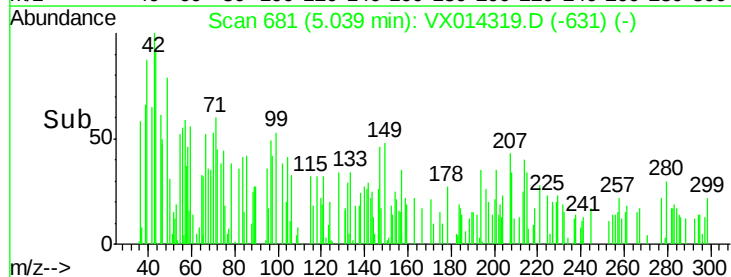
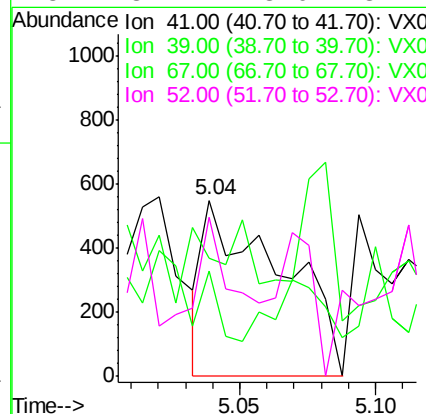
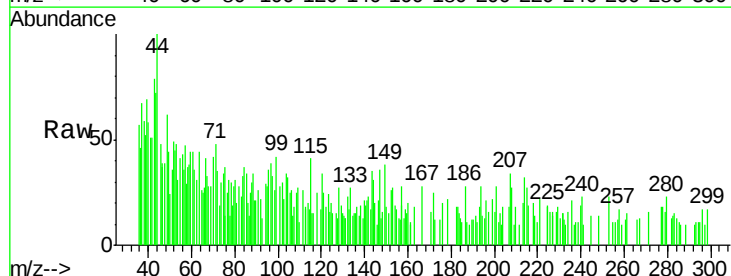
Instrument :
MSVOA_X
ClientSampleId :
LW-05

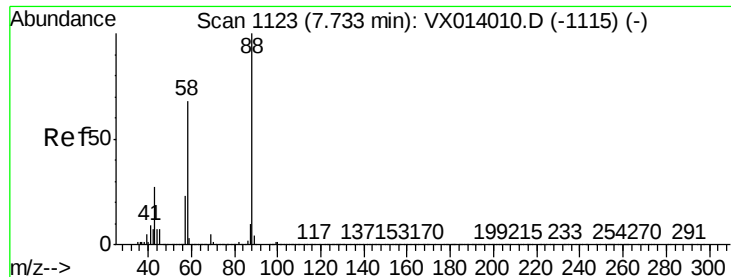
Tgt Ion: 117 Resp: 43603
Ion Ratio Lower Upper
117 100
119 4.4 76.2 114.4#
121 0.3 23.6 35.4#



#41
Methacrylonitrile
Concen: 0.247 ug/l
RT: 5.04 min Scan# 681
Delta R.T. 0.01 min
Lab File: VX014319.D
Acq: 27 Dec 2019 19:14

Tgt Ion: 41 Resp: 1085
Ion Ratio Lower Upper
41 100
39 16.7 44.5 66.7#
67 0.0 57.4 86.0#
52 37.2 23.0 34.4#

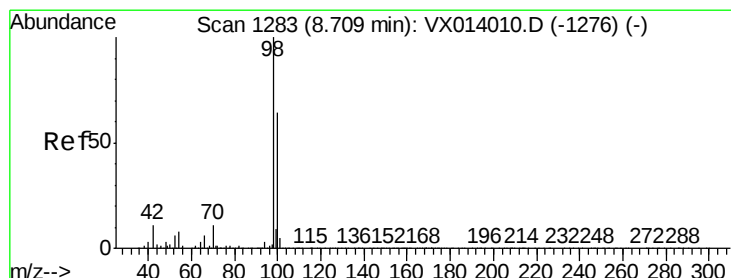
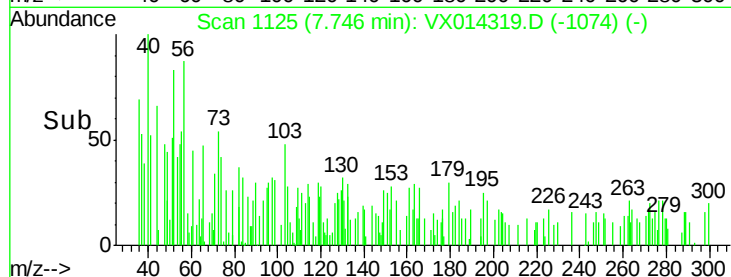
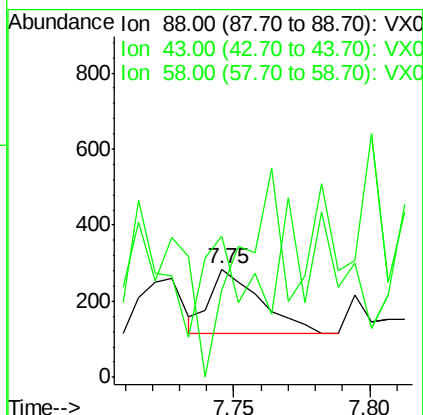
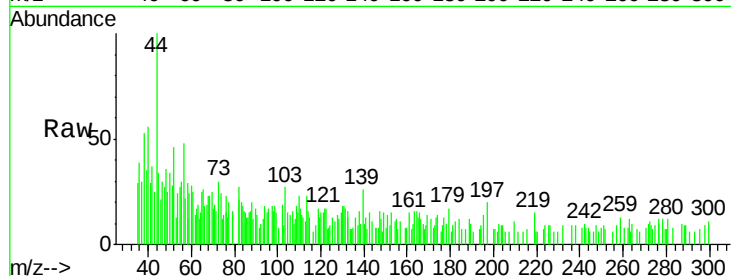




#49
1,4-Dioxane
Concen: 1.691 ug/l
RT: 7.75 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VX014319.D
Acq: 27 Dec 2019 19:14

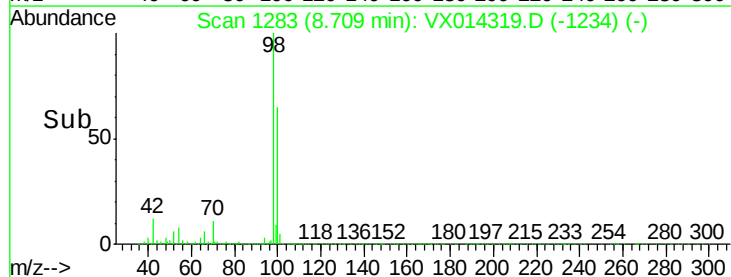
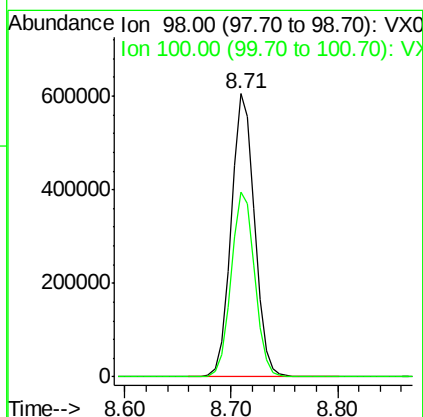
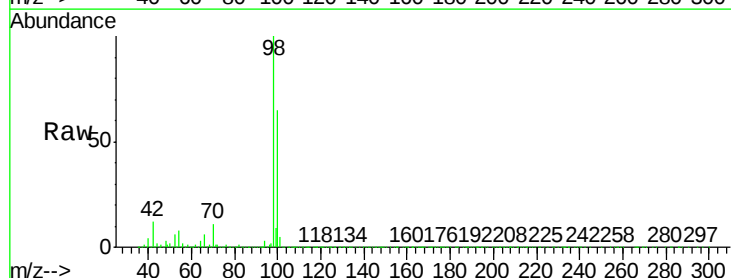
Instrument :
MSVOA_X
ClientSampled :
LW-05

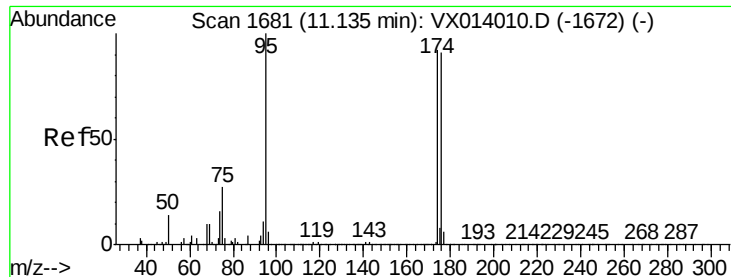
Tgt Ion: 88 Resp: 221
Ion Ratio Lower Upper
88 100
43 0.0 26.5 39.7#
58 114.0 56.8 85.2#



#50
Toluene-d8
Concen: 50.347 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014319.D
Acq: 27 Dec 2019 19:14

Tgt Ion: 98 Resp: 932133
Ion Ratio Lower Upper
98 100
100 65.9 52.9 79.3





#62

4-Bromofluorobenzene

Concen: 46.359 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014319.D

Acq: 27 Dec 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

LW-05

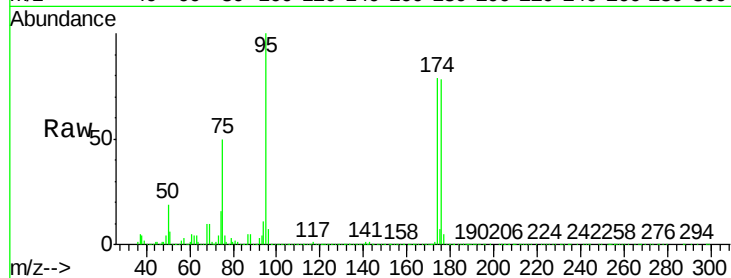
Tgt Ion: 95 Resp: 313749

Ion Ratio Lower Upper

95 100

174 86.7 0.0 175.8

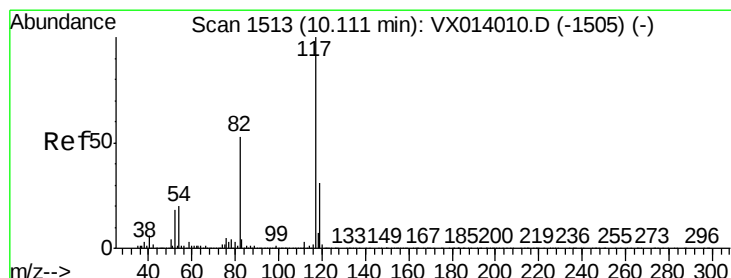
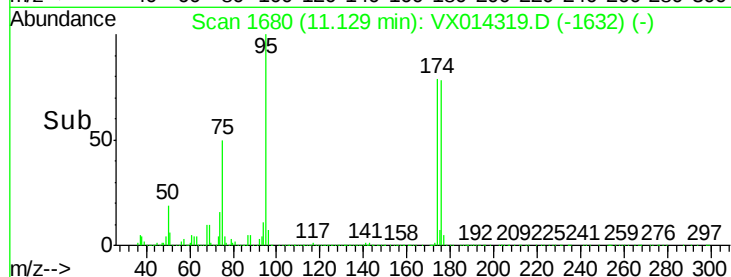
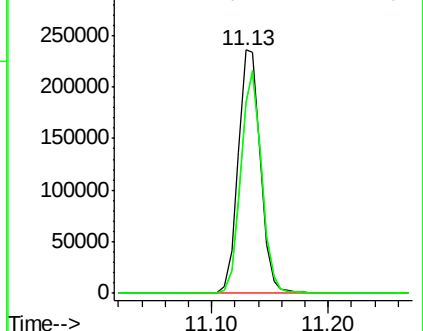
176 84.9 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX014319.D

Acq: 27 Dec 2019 19:14

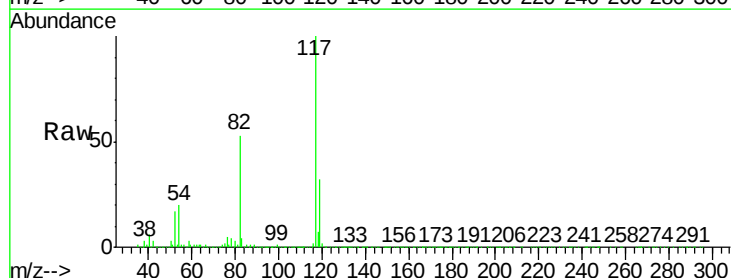
Tgt Ion: 117 Resp: 703283

Ion Ratio Lower Upper

117 100

82 52.6 42.2 63.4

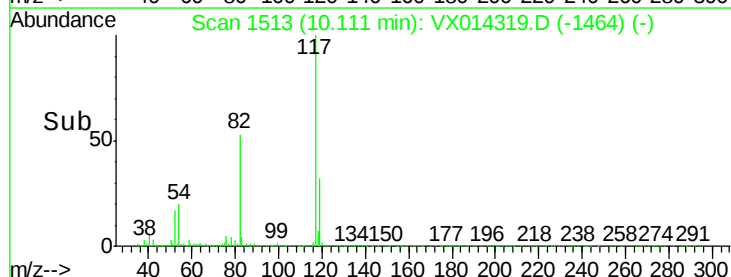
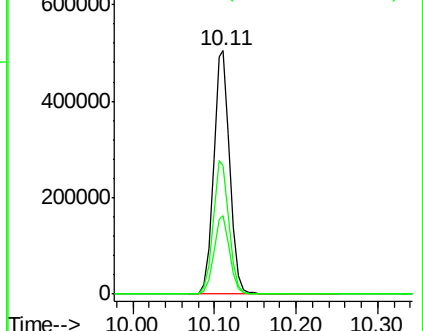
119 32.0 25.1 37.7

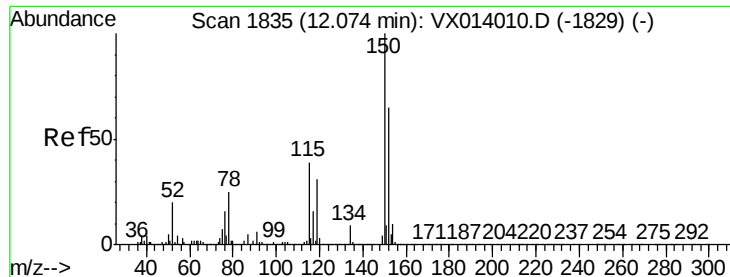


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014319.D

Acq: 27 Dec 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

LW-05

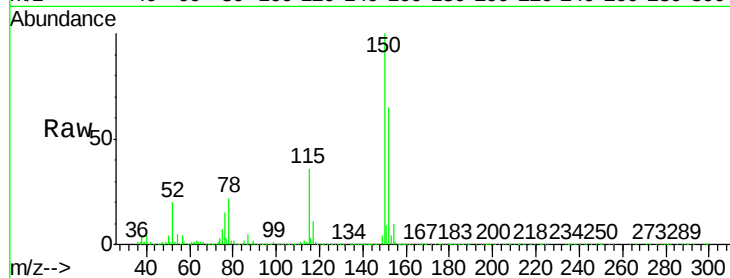
Tgt Ion: 152 Resp: 309971

Ion Ratio Lower Upper

152 100

115 56.4 38.3 114.9

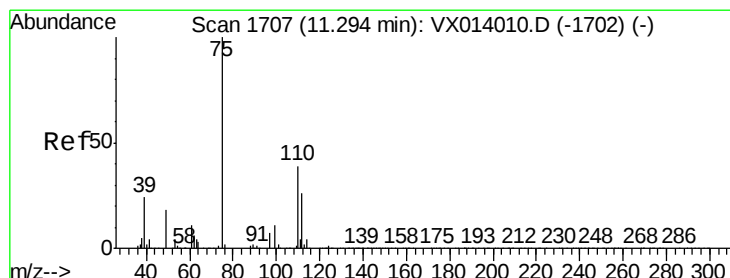
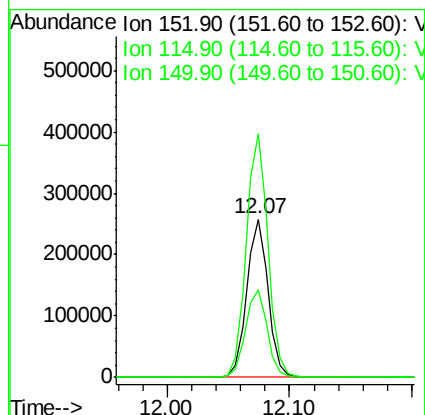
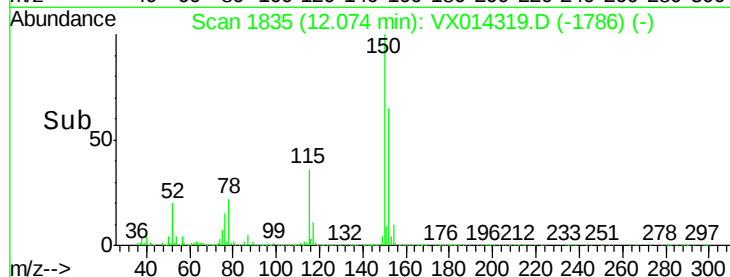
150 156.2 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.234 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014319.D

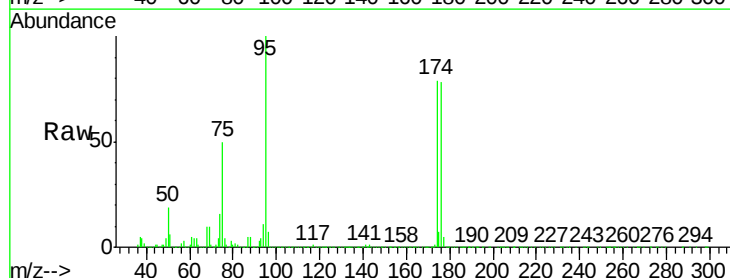
Acq: 27 Dec 2019 19:14

Tgt Ion: 75 Resp: 149624

Ion Ratio Lower Upper

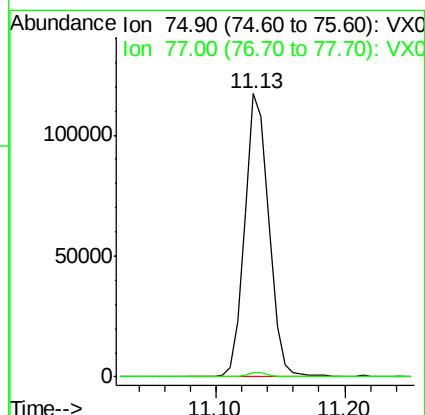
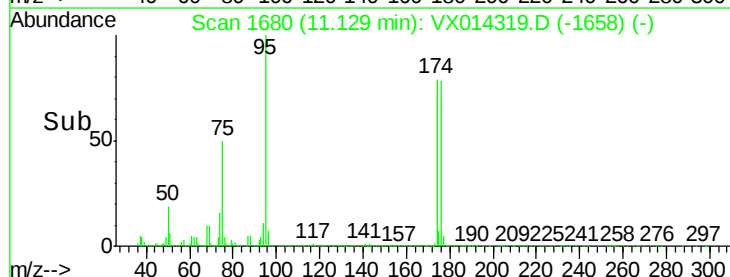
75 100

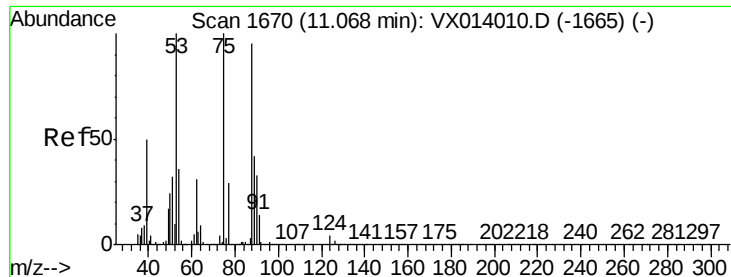
77 1.5 19.3 57.8#



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: 62.757 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014319.D

Acq: 27 Dec 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

LW-05

Tgt Ion: 75 Resp: 149624

Ion Ratio Lower Upper

75 100

53 0.3 76.7 115.1#

89 0.2 34.6 51.8#

