

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122719\
 Data File : VX014318.D
 Acq On : 27 Dec 2019 18:51
 Operator : JC/SP
 Sample : K6449-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LW-03

Quant Time: Dec 30 05:38:15 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	492959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	782918	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	708677	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	304063	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	282320	50.53	ug/l	0.00
Spiked Amount			Recovery	=	101.06%	
35) Dibromofluoromethane	5.49	113	235441	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
50) Toluene-d8	8.71	98	919637	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
62) 4-Bromofluorobenzene	11.14	95	309080	45.63	ug/l	0.00
Spiked Amount			Recovery	=	91.26%	

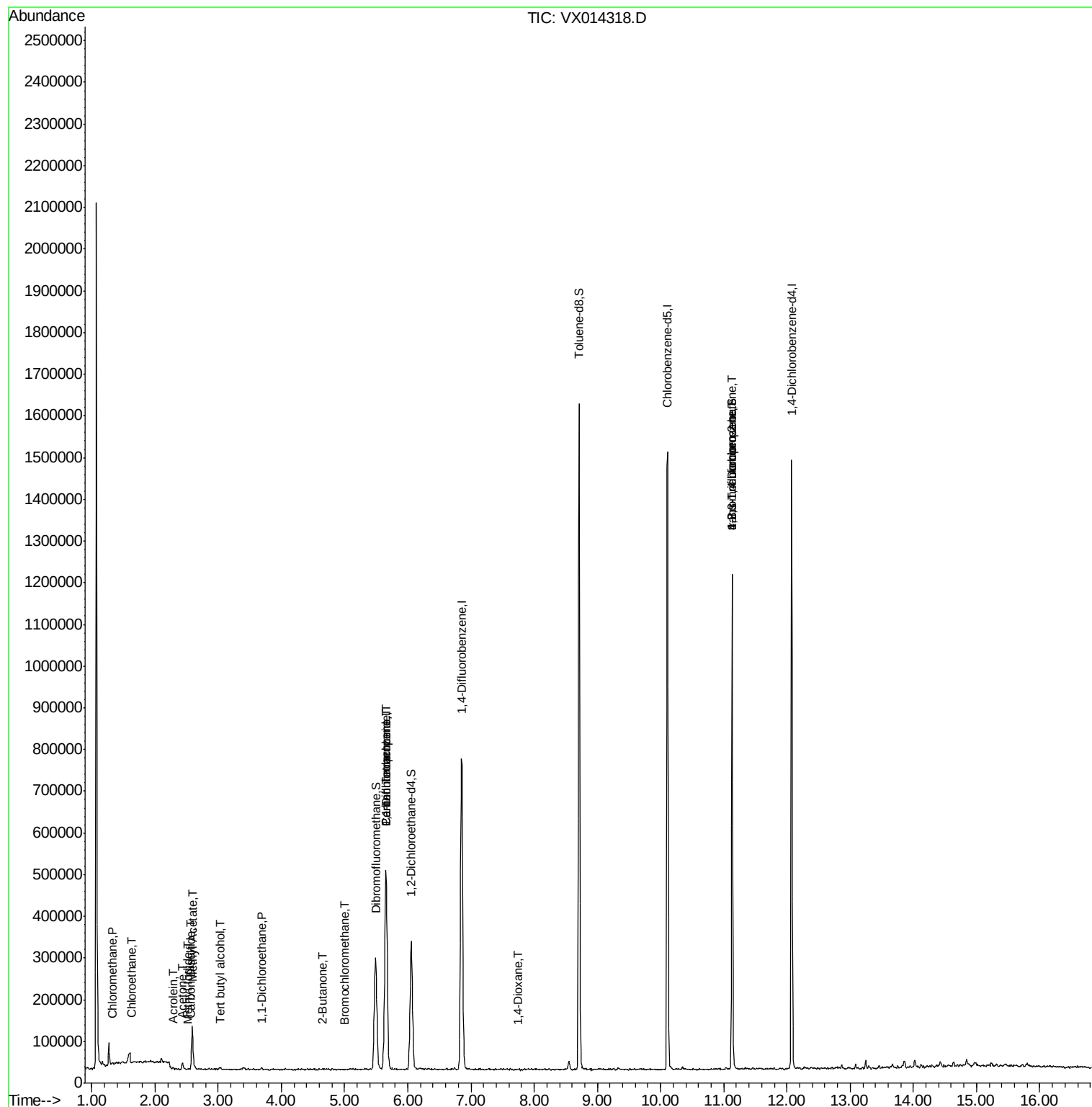
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2521	0.426	ug/l #	84
6) Chloroethane	1.63	64	5712	1.482	ug/l #	45
10) Methyl Iodide	2.51	142	615	2.716	ug/l #	73
11) Tert butyl alcohol	3.03	59	4645	3.848	ug/l #	72
13) Acrolein	2.28	56	589	0.852	ug/l #	66
16) Acetone	2.44	43	18689	5.153	ug/l	99
17) Carbon Disulfide	2.56	76	906	0.818	ug/l #	75
18) Methyl Acetate	2.59	43	29023	4.038	ug/l #	51
24) 1,1-Dichloroethane	3.69	63	2962	0.316	ug/l #	77
25) 2-Butanone	4.66	43	979	0.219	ug/l #	27
28) Bromochloromethane	5.00	49	536	0.601	ug/l #	28
36) 1,1-Dichloropropene	5.65	75	34378	4.786	ug/l #	52
38) Carbon Tetrachloride	5.65	117	44283	6.767	ug/l #	16
49) 1,4-Dioxane	7.74	88	200	1.529	ug/l #	23
76) 1,2,3-Trichloropropane	11.13	75	151318	22.923	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	151318	64.701	ug/l #	11

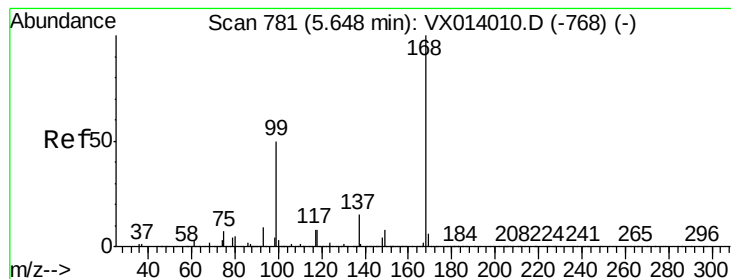
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 30 05:38:15 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014318.D

Acq: 27 Dec 2019 18:51

Instrument :

MSVOA_X

ClientSampleId :

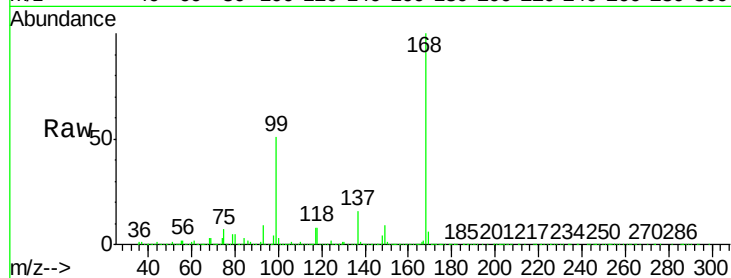
LW-03

Tgt Ion:168 Resp: 492959

Ion Ratio Lower Upper

168 100

99 50.7 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

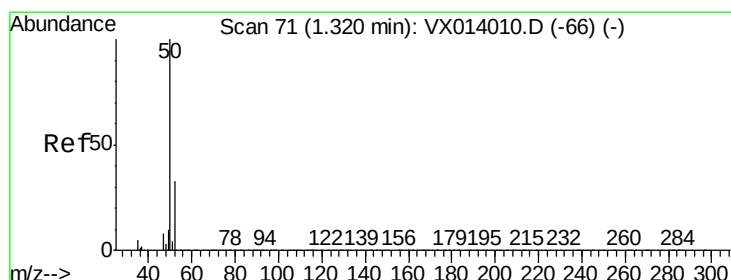
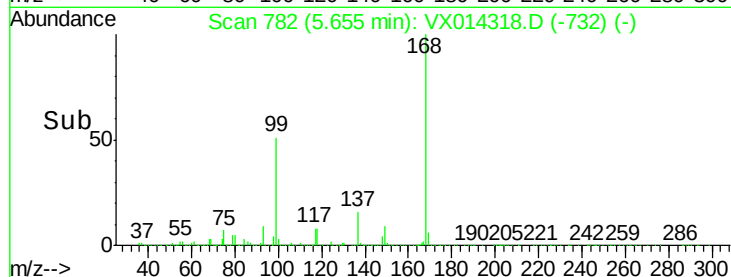
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.426 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014318.D

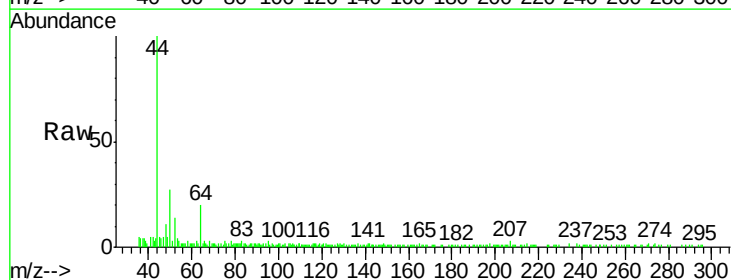
Acq: 27 Dec 2019 18:51

Tgt Ion: 50 Resp: 2521

Ion Ratio Lower Upper

50 100

52 42.1 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

2500

2000

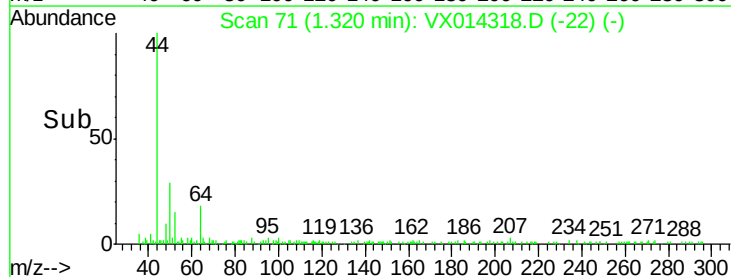
1500

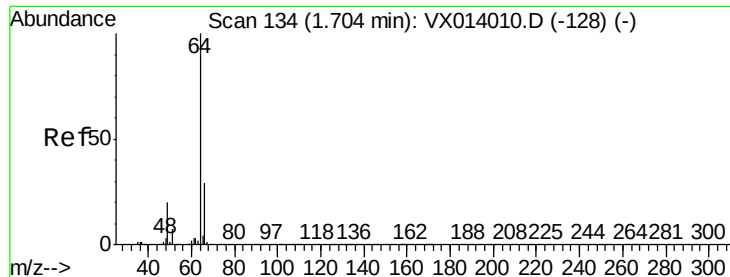
1000

500

0

Time-->





#6

Chloroethane

Concen: 1.482 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.07 min

Lab File: VX014318.D

Acq: 27 Dec 2019 18:51

Instrument :

MSVOA_X

ClientSampled :

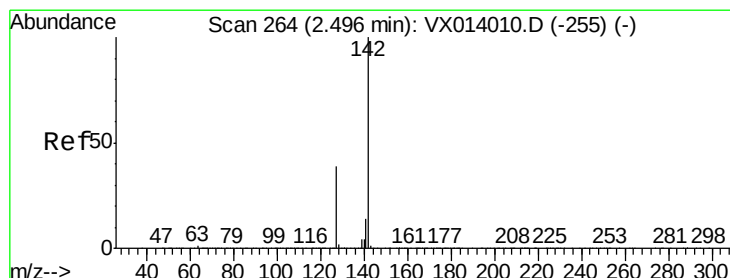
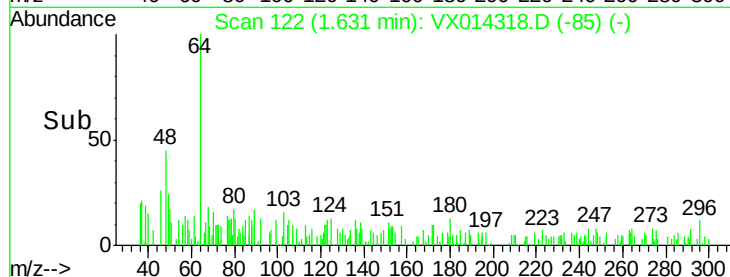
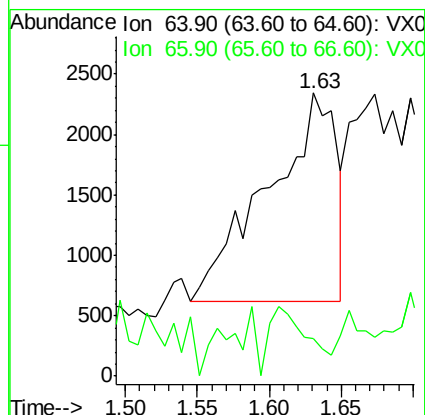
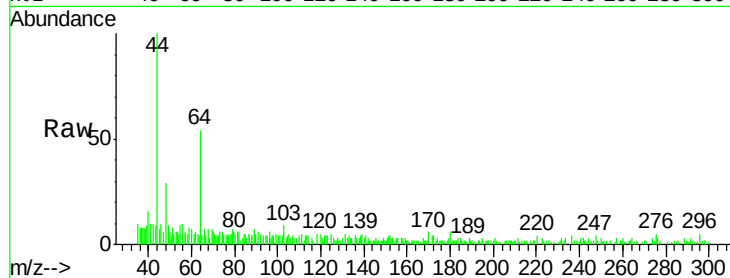
LW-03

Tgt Ion: 64 Resp: 5712

Ion Ratio Lower Upper

64 100

66 0.0 23.4 35.2#



#10

Methyl Iodide

Concen: 2.716 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.02 min

Lab File: VX014318.D

Acq: 27 Dec 2019 18:51

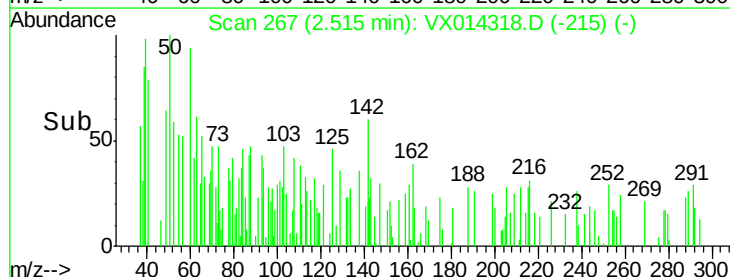
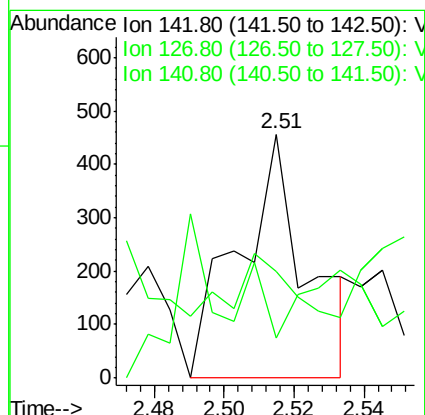
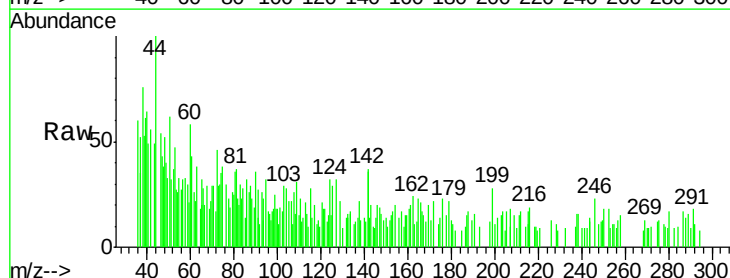
Tgt Ion: 142 Resp: 615

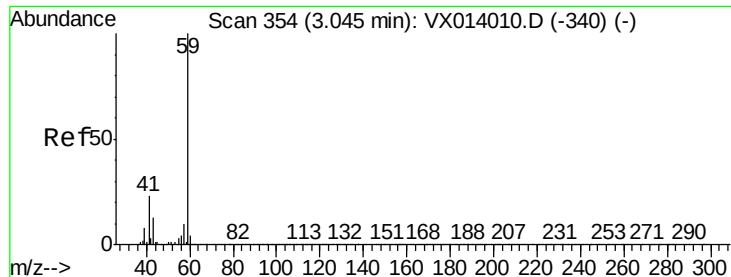
Ion Ratio Lower Upper

142 100

127 24.4 31.6 47.4#

141 0.0 11.6 17.4#



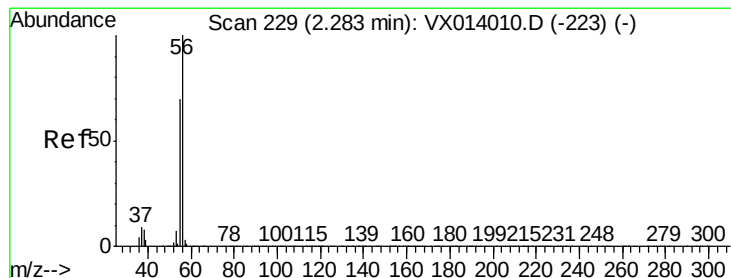
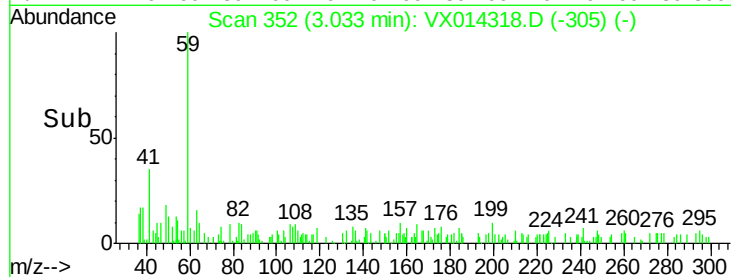
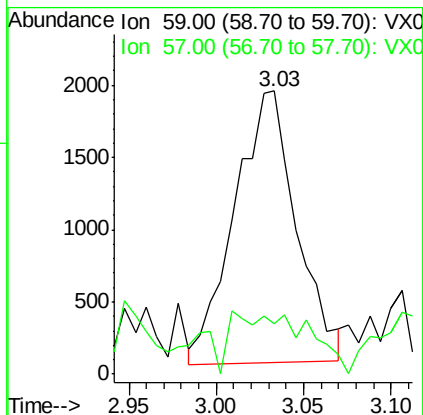
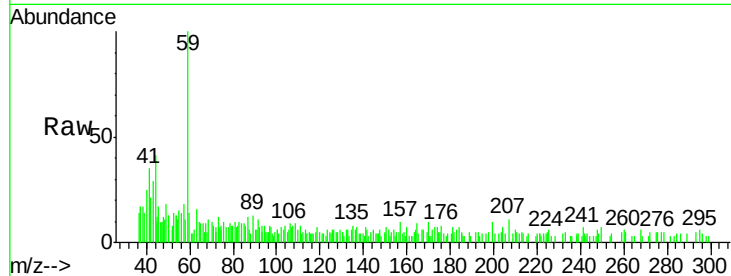


#11

Tert butyl alcohol
 Concen: 3.848 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VX014318.D
 Acq: 27 Dec 2019 18:51

Instrument :
 MSVOA_X
 ClientSampled :
 LW-03

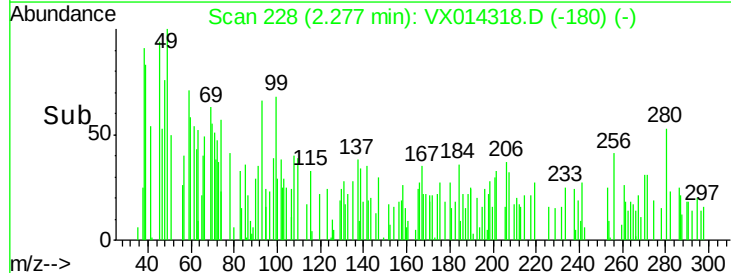
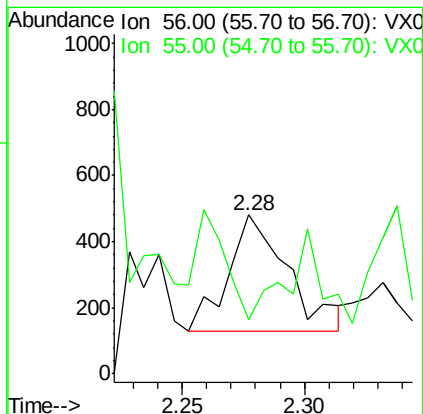
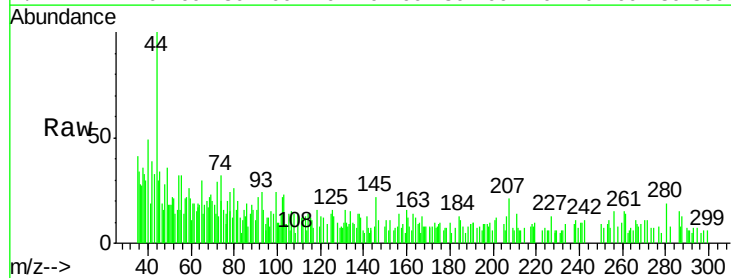
Tgt Ion: 59 Resp: 4645
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

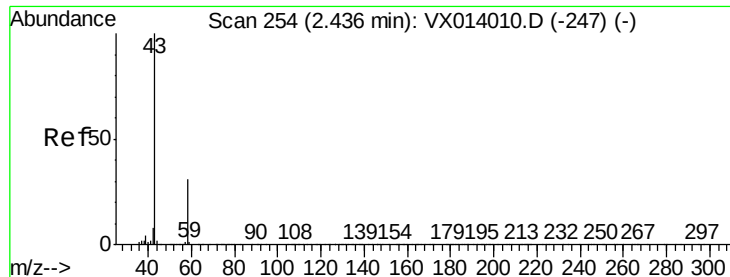


#13

Acrolein
 Concen: 0.852 ug/l
 RT: 2.28 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: VX014318.D
 Acq: 27 Dec 2019 18:51

Tgt Ion: 56 Resp: 589
 Ion Ratio Lower Upper
 56 100
 55 42.6 56.9 85.3#





#16

Acetone

Concen: 5.153 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX014318.D

Acq: 27 Dec 2019 18:51

Instrument :

MSVOA_X

ClientSampled :

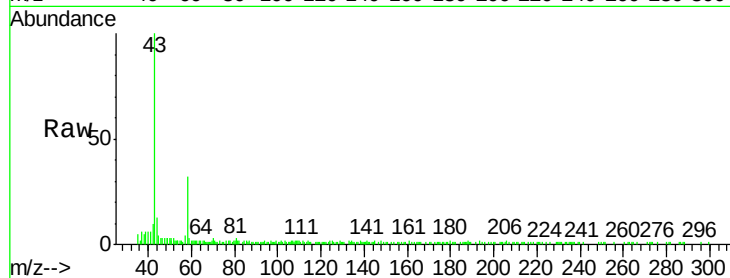
LW-03

Tgt Ion: 43 Resp: 18689

Ion Ratio Lower Upper

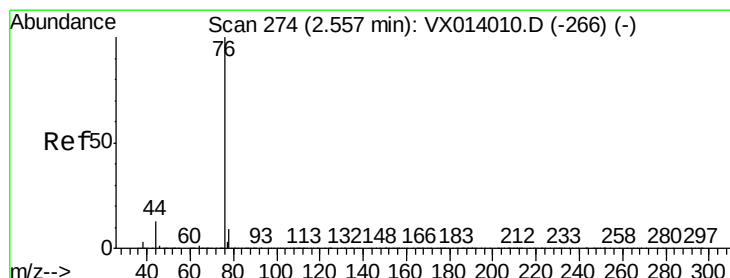
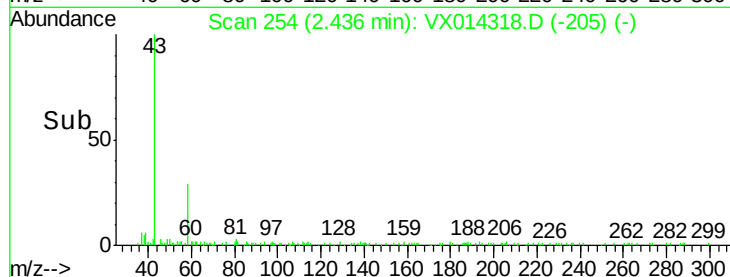
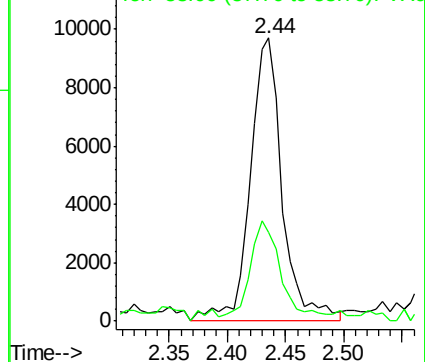
43 100

58 31.6 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.818 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014318.D

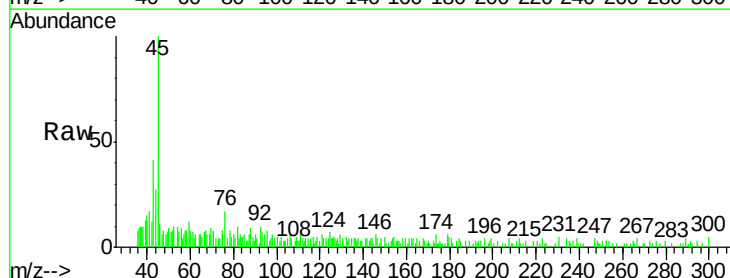
Acq: 27 Dec 2019 18:51

Tgt Ion: 76 Resp: 906

Ion Ratio Lower Upper

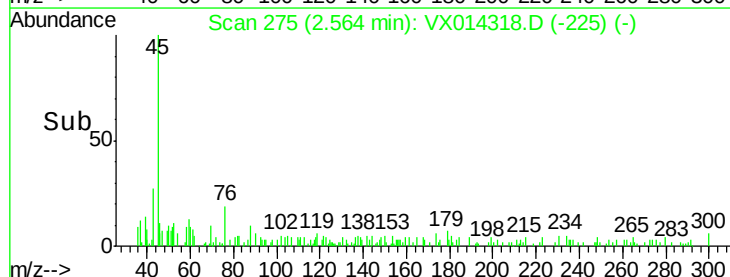
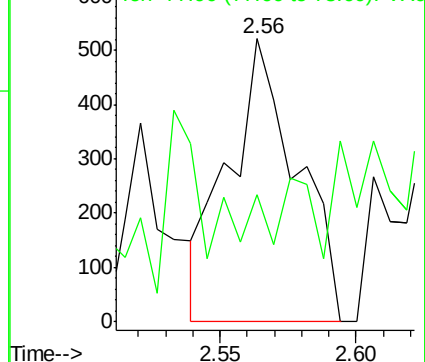
76 100

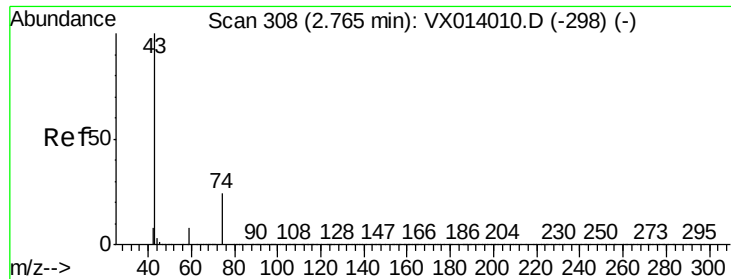
78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

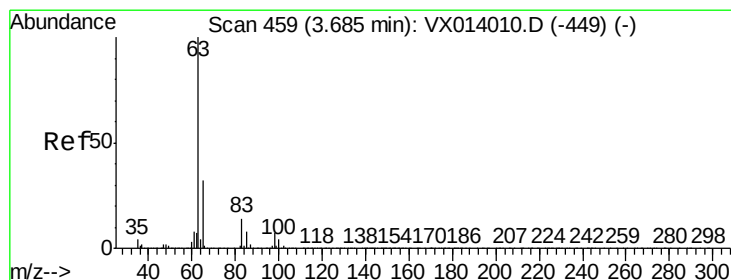
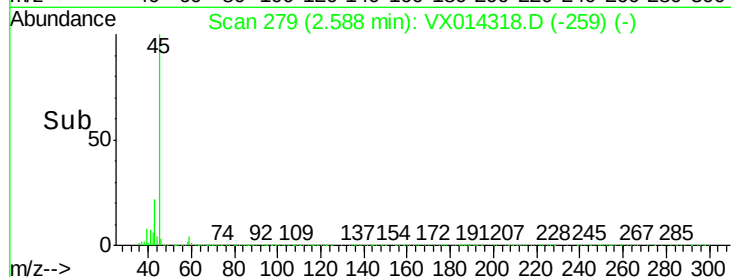
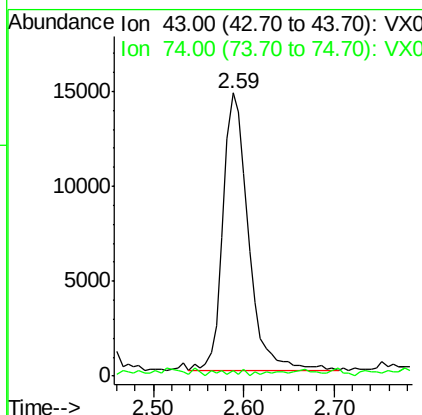
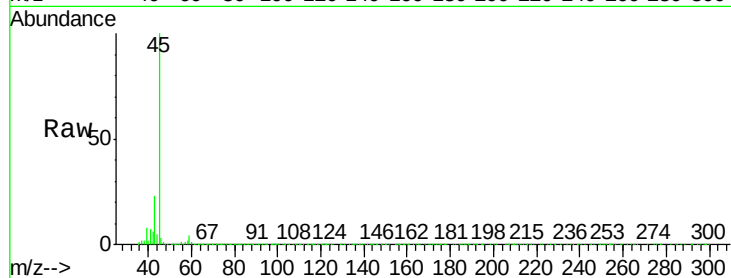




#18
Methyl Acetate
Concen: 4.038 ug/l
RT: 2.59 min Scan# 279
Delta R.T. -0.18 min
Lab File: VX014318.D
Acq: 27 Dec 2019 18:51

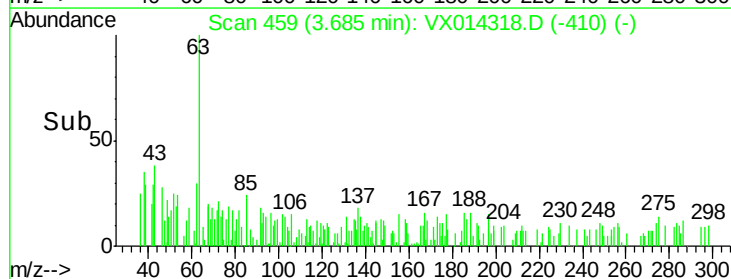
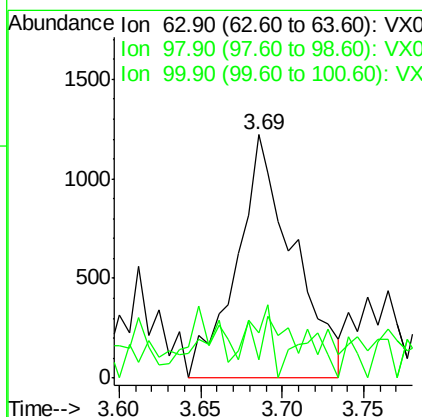
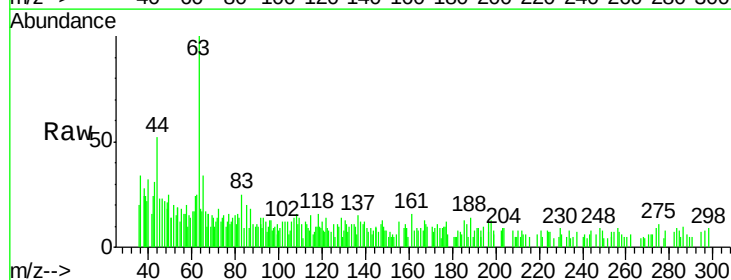
Instrument :
MSVOA_X
ClientSampled :
LW-03

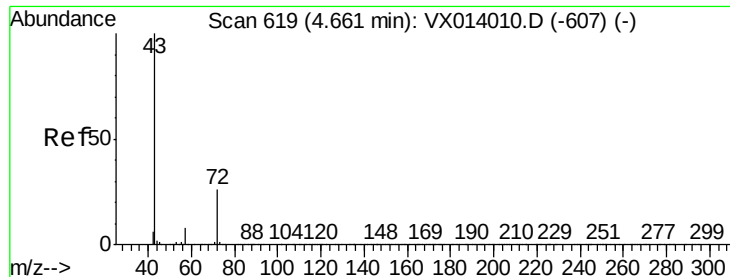
Tgt Ion: 43 Resp: 29023
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#



#24
1,1-Dichloroethane
Concen: 0.316 ug/l
RT: 3.69 min Scan# 459
Delta R.T. 0.00 min
Lab File: VX014318.D
Acq: 27 Dec 2019 18:51

Tgt Ion: 63 Resp: 2962
Ion Ratio Lower Upper
63 100
98 18.7 3.6 10.8#
100 6.5 2.3 6.8





#25

2-Butanone

Concen: 0.219 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX014318.D

Acq: 27 Dec 2019 18:51

Instrument :

MSVOA_X

ClientSampled :

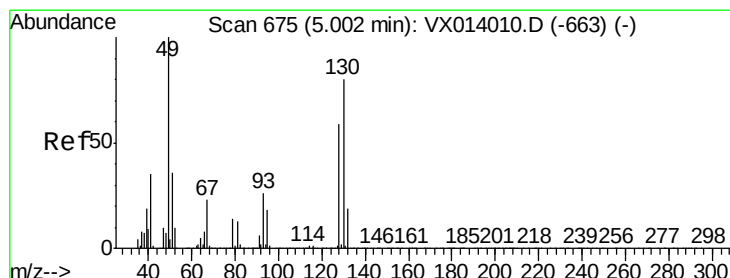
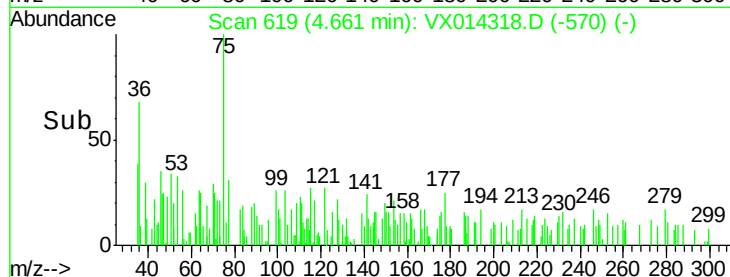
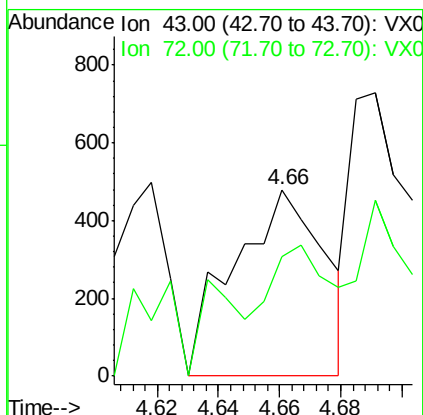
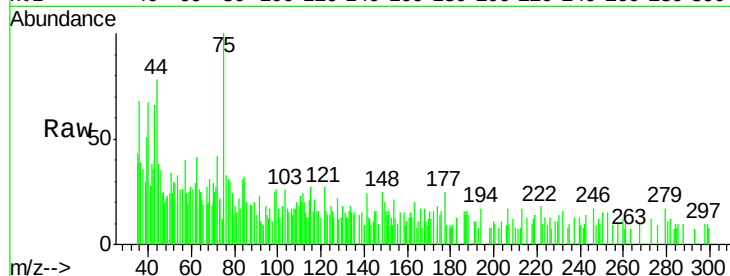
LW-03

Tgt Ion: 43 Resp: 979

Ion Ratio Lower Upper

43 100

72 63.7 21.0 31.4#



#28

Bromochloromethane

Concen: 0.601 ug/l

RT: 5.00 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX014318.D

Acq: 27 Dec 2019 18:51

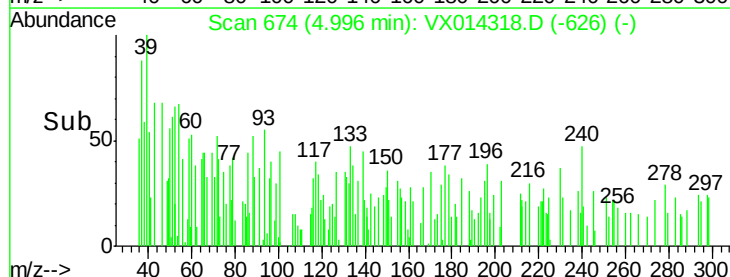
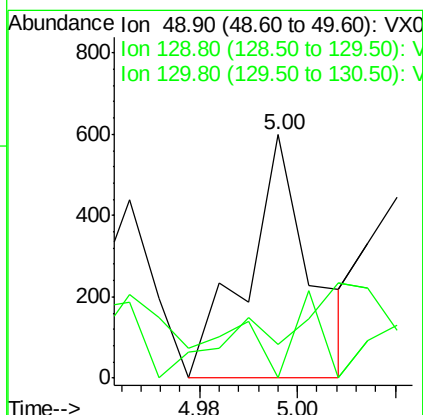
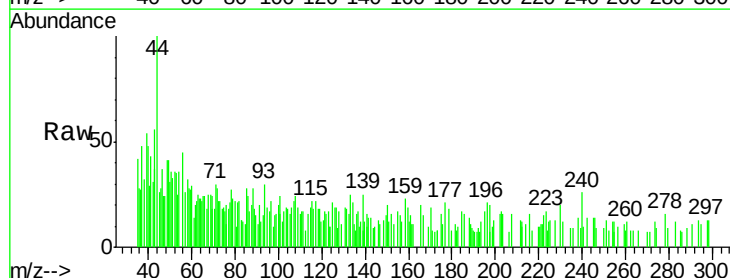
Tgt Ion: 49 Resp: 536

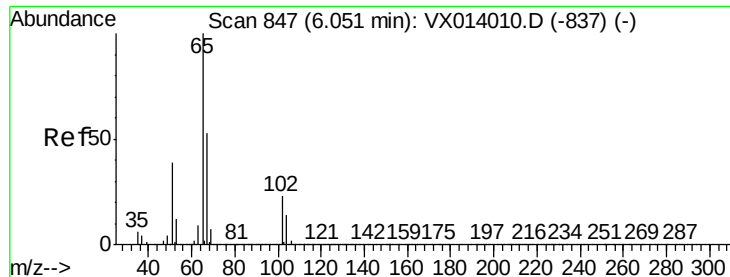
Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.0

130 14.7 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 50.532 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX014318.D

Acq: 27 Dec 2019 18:51

Instrument :

MSVOA_X

ClientSampleId :

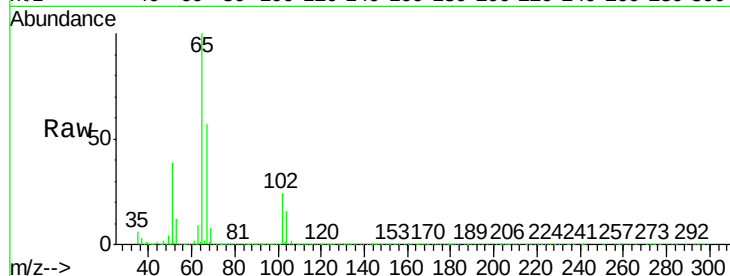
LW-03

Tgt Ion: 65 Resp: 282320

Ion Ratio Lower Upper

65 100

67 55.5 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

120000

100000

80000

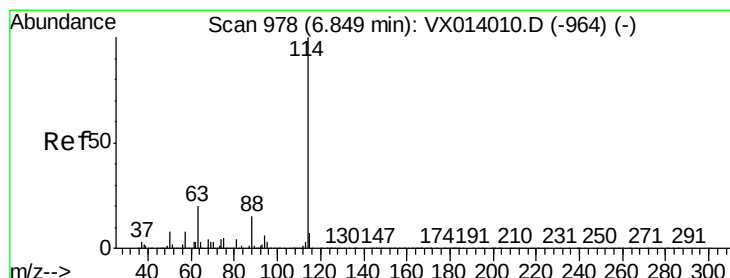
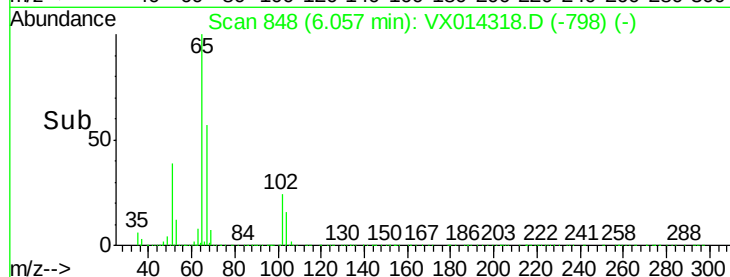
60000

40000

20000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014318.D

Acq: 27 Dec 2019 18:51

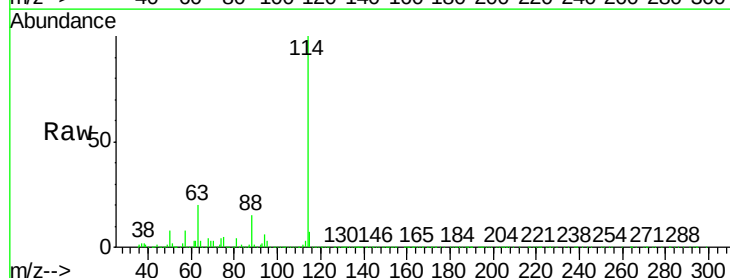
Tgt Ion: 114 Resp: 782918

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 15.1 0.0 30.4



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

6.85

400000

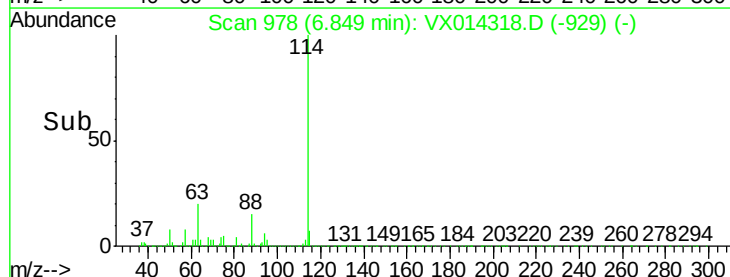
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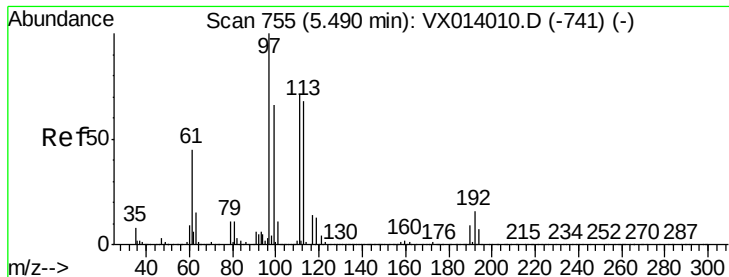
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 49.470 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014318.D

Acq: 27 Dec 2019 18:51

Instrument :

MSVOA_X

ClientSampled :

LW-03

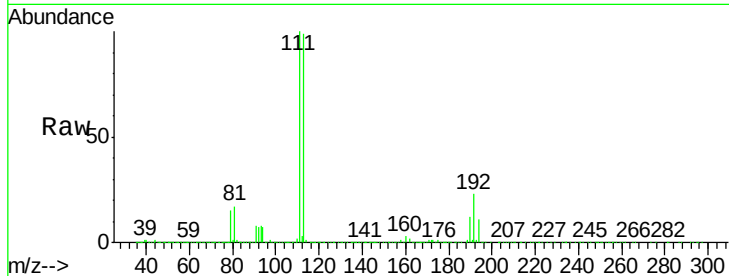
Tgt Ion: 113 Resp: 235441

Ion Ratio Lower Upper

113 100

111 101.5 82.0 123.0

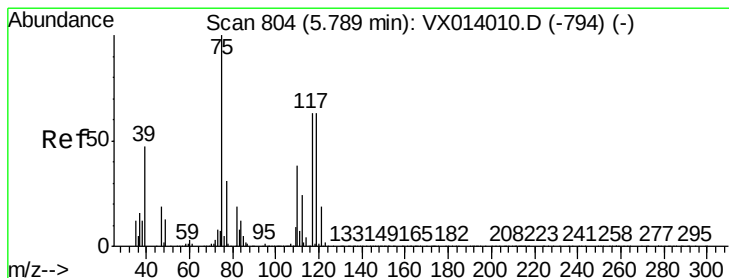
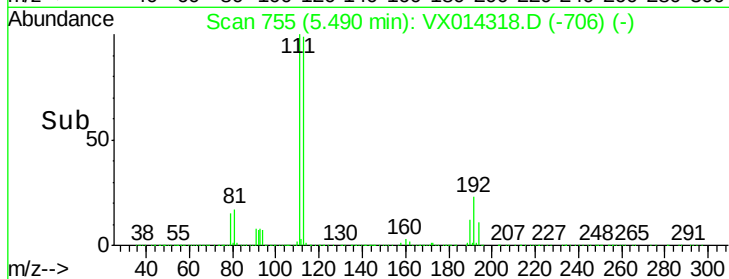
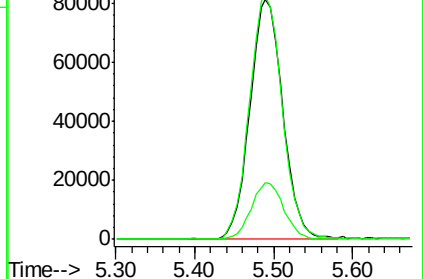
192 23.7 19.3 28.9



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: 4.786 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX014318.D

Acq: 27 Dec 2019 18:51

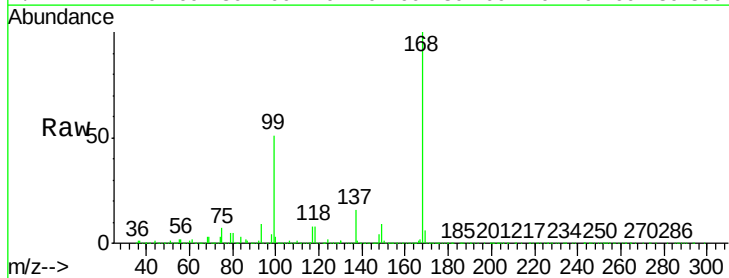
Tgt Ion: 75 Resp: 34378

Ion Ratio Lower Upper

75 100

110 10.3 18.3 54.9#

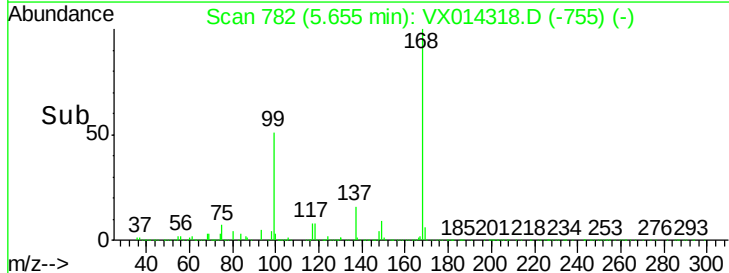
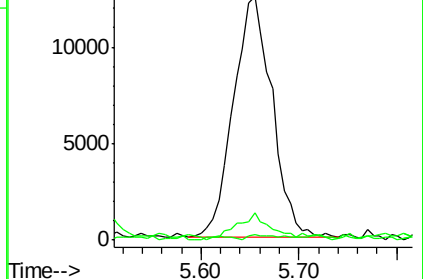
77 1.8 24.8 37.2#

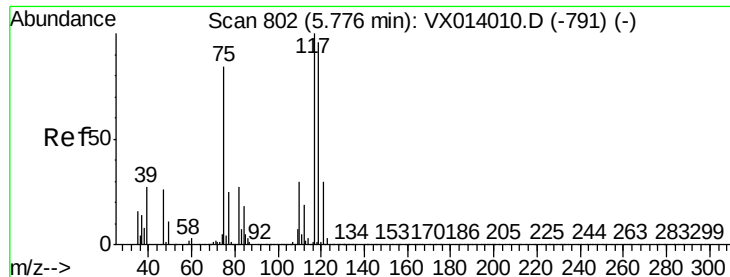


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.767 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014318.D

Acq: 27 Dec 2019 18:51

Instrument :

MSVOA_X

ClientSampled :

LW-03

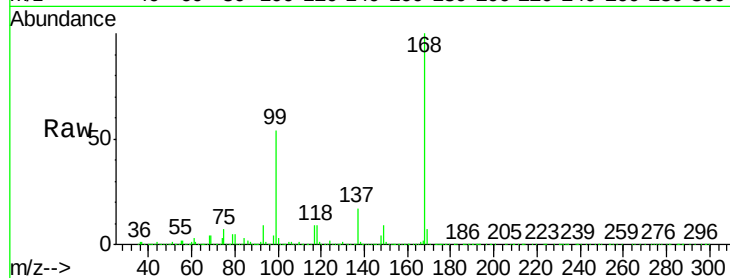
Tgt Ion:117 Resp: 44283

Ion Ratio Lower Upper

117 100

119 5.3 76.2 114.4#

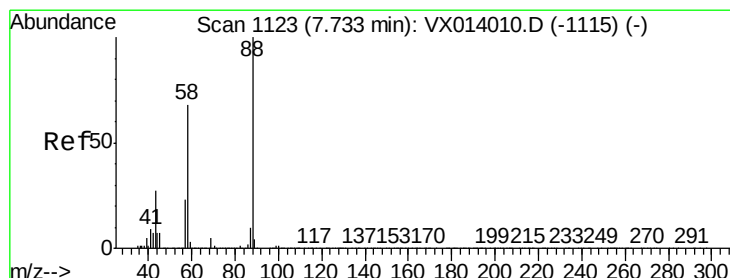
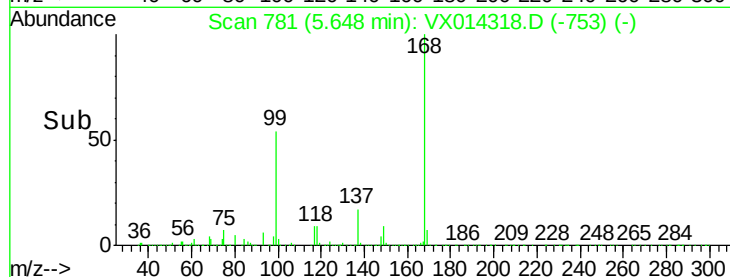
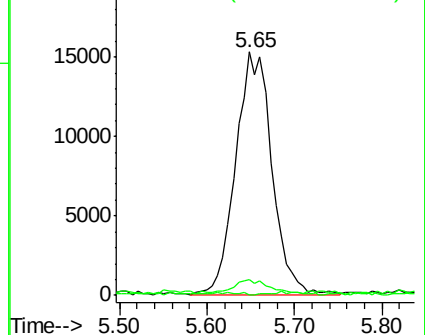
121 0.2 23.6 35.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 1.529 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX014318.D

Acq: 27 Dec 2019 18:51

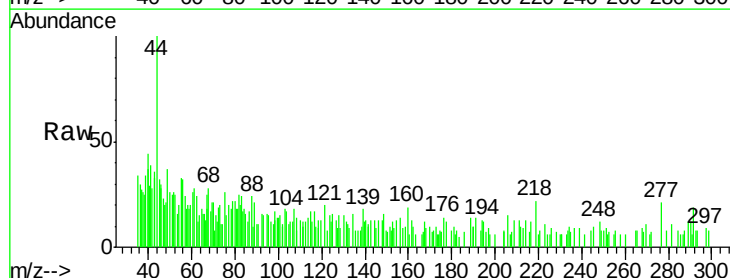
Tgt Ion: 88 Resp: 200

Ion Ratio Lower Upper

88 100

43 0.0 26.5 39.7#

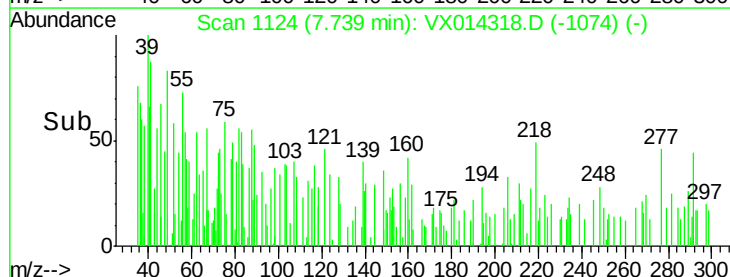
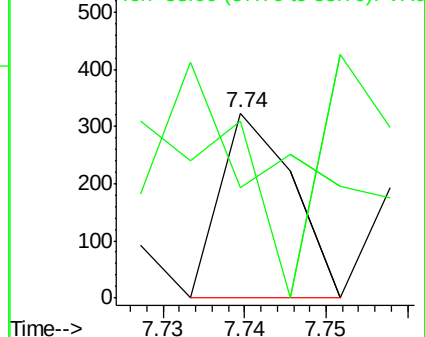
58 0.0 56.8 85.2#

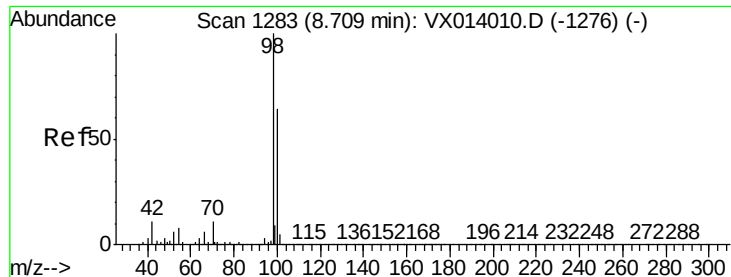


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

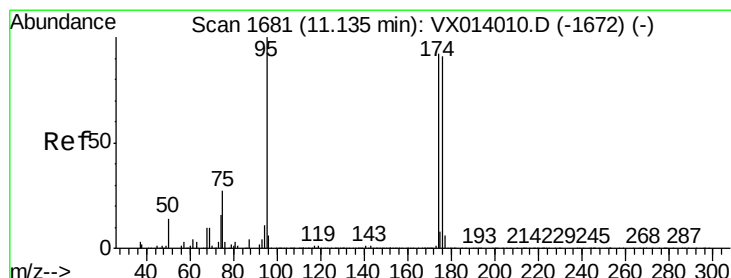
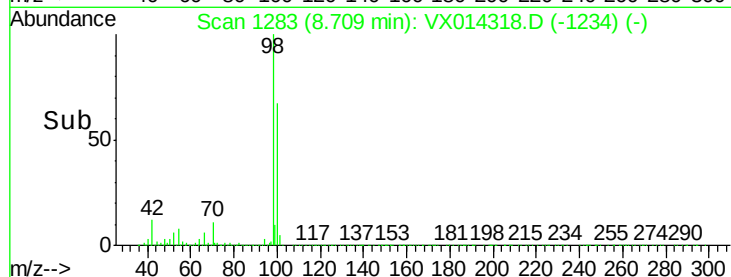
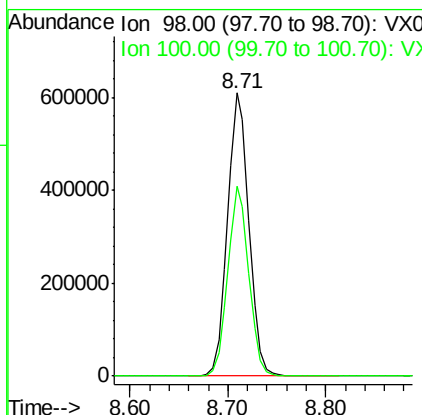
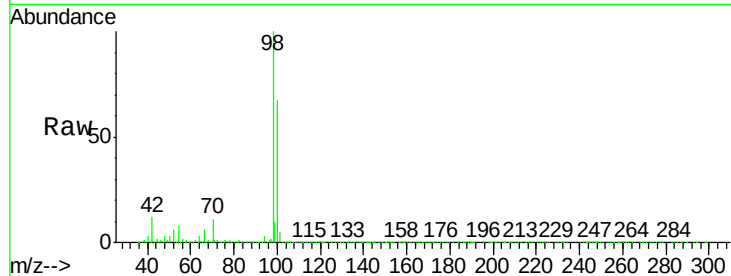




#50
Toluene-d8
Concen: 49.632 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014318.D
Acq: 27 Dec 2019 18:51

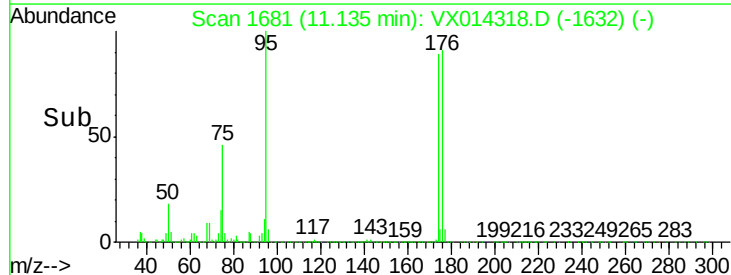
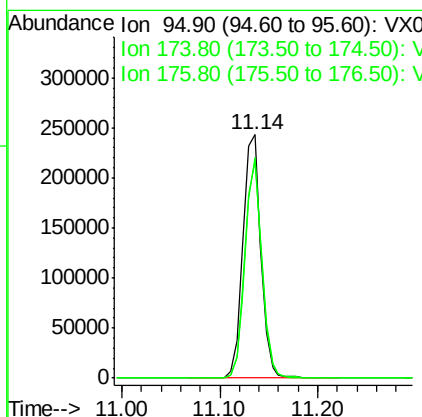
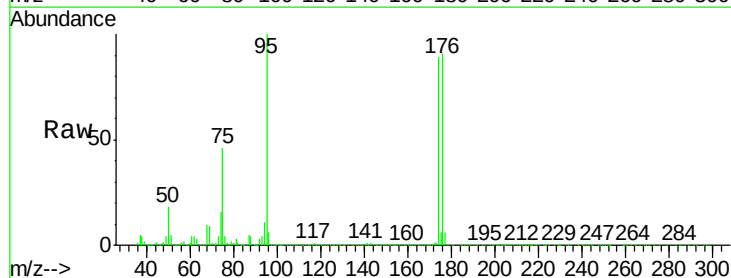
Instrument :
MSVOA_X
ClientSampleId :
LW-03

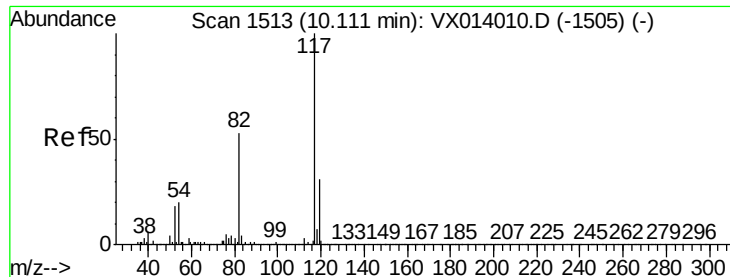
Tgt Ion: 98 Resp: 919637
Ion Ratio Lower Upper
98 100
100 66.1 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 45.633 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX014318.D
Acq: 27 Dec 2019 18:51

Tgt Ion: 95 Resp: 309080
Ion Ratio Lower Upper
95 100
174 86.8 0.0 175.8
176 84.8 0.0 173.0

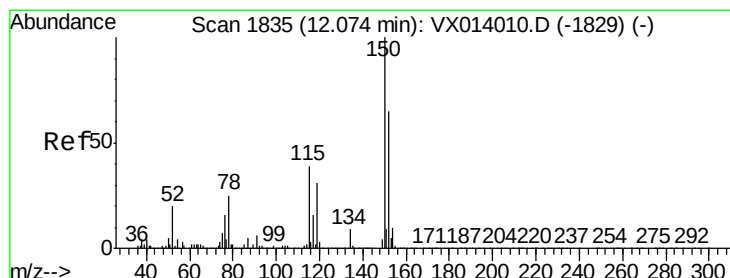
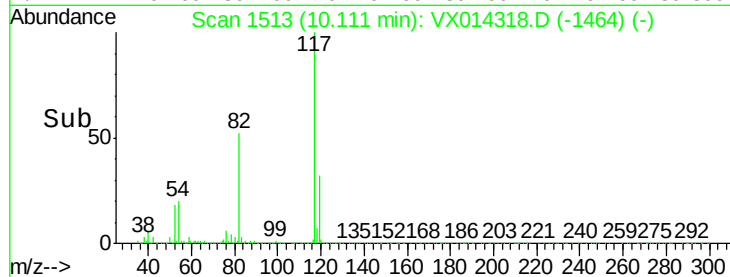
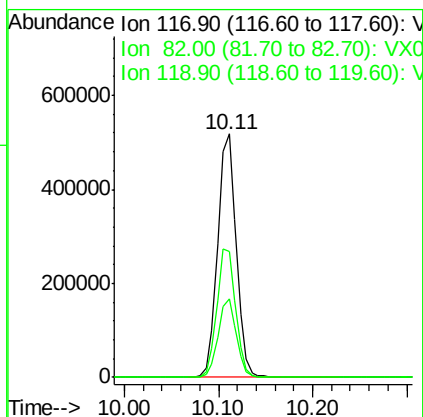
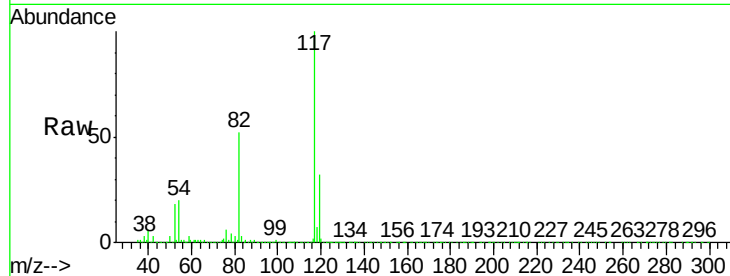




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014318.D
Acq: 27 Dec 2019 18:51

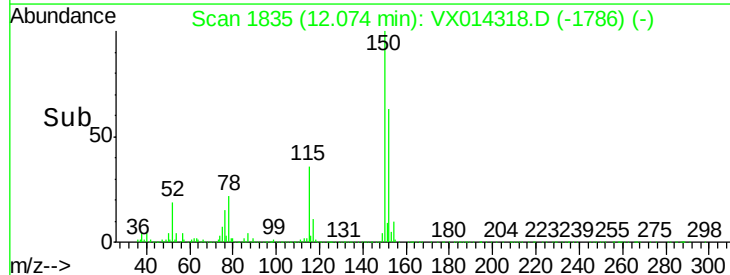
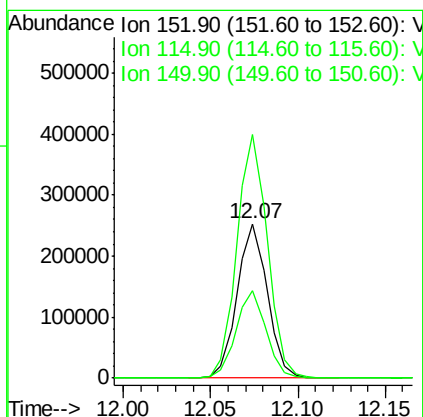
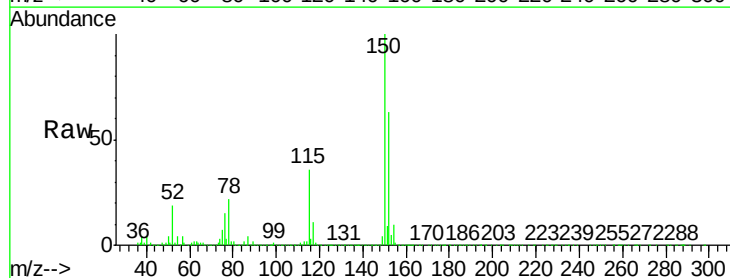
Instrument :
MSVOA_X
ClientSampleId :
LW-03

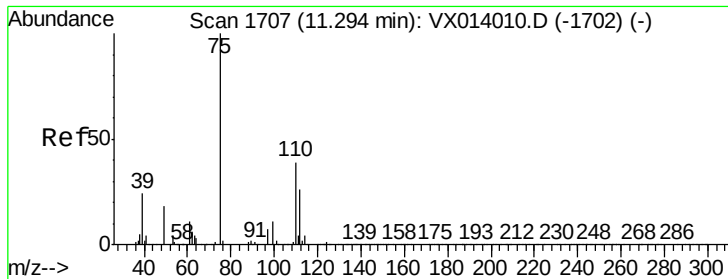
Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.8	42.2	63.4
119	32.1	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014318.D
Acq: 27 Dec 2019 18:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	38.3	114.9
150	159.1	0.0	345.4





#76

1,2,3-Trichloropropane

Concen: 22.923 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014318.D

Acq: 27 Dec 2019 18:51

Instrument :

MSVOA_X

ClientSampled :

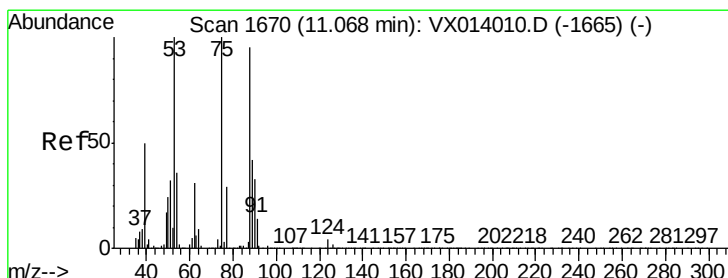
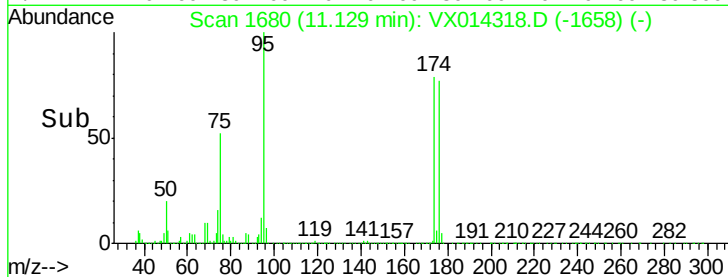
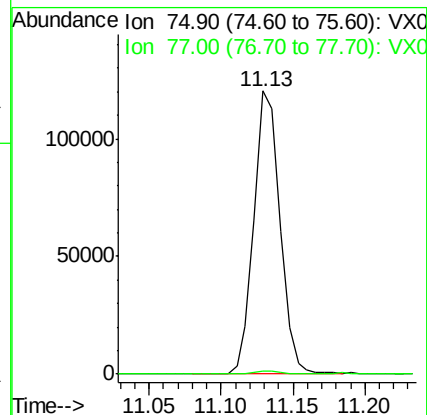
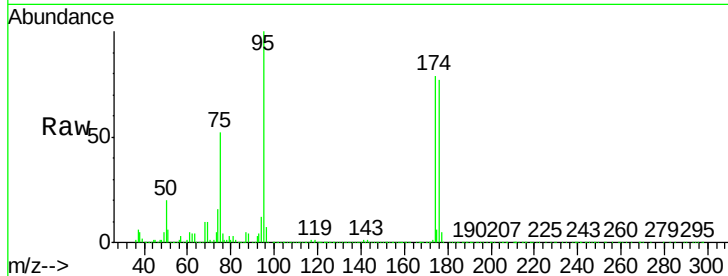
LW-03

Tgt Ion: 75 Resp: 151318

Ion Ratio Lower Upper

75 100

77 1.2 19.3 57.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.701 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014318.D

Acq: 27 Dec 2019 18:51

Tgt Ion: 75 Resp: 151318

Ion Ratio Lower Upper

75 100

53 0.1 76.7 115.1#

89 0.0 34.6 51.8#

