

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082419\
 Data File : VX011831.D
 Acq On : 24 Aug 2019 20:10
 Operator : JC/SP
 Sample : K4474-32
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-2-K2-(0)

Quant Time: Aug 26 04:12:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	458700	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	617352	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	573388	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	314670	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	199326	43.26	ug/l	0.00
Spiked Amount			Recovery	=	86.52%	
35) Dibromofluoromethane	5.49	113	183006	45.84	ug/l	0.00
Spiked Amount			Recovery	=	91.68%	
50) Toluene-d8	8.71	98	707160	50.79	ug/l	0.00
Spiked Amount			Recovery	=	101.58%	
62) 4-Bromofluorobenzene	11.13	95	257390	46.77	ug/l	0.00
Spiked Amount			Recovery	=	93.54%	

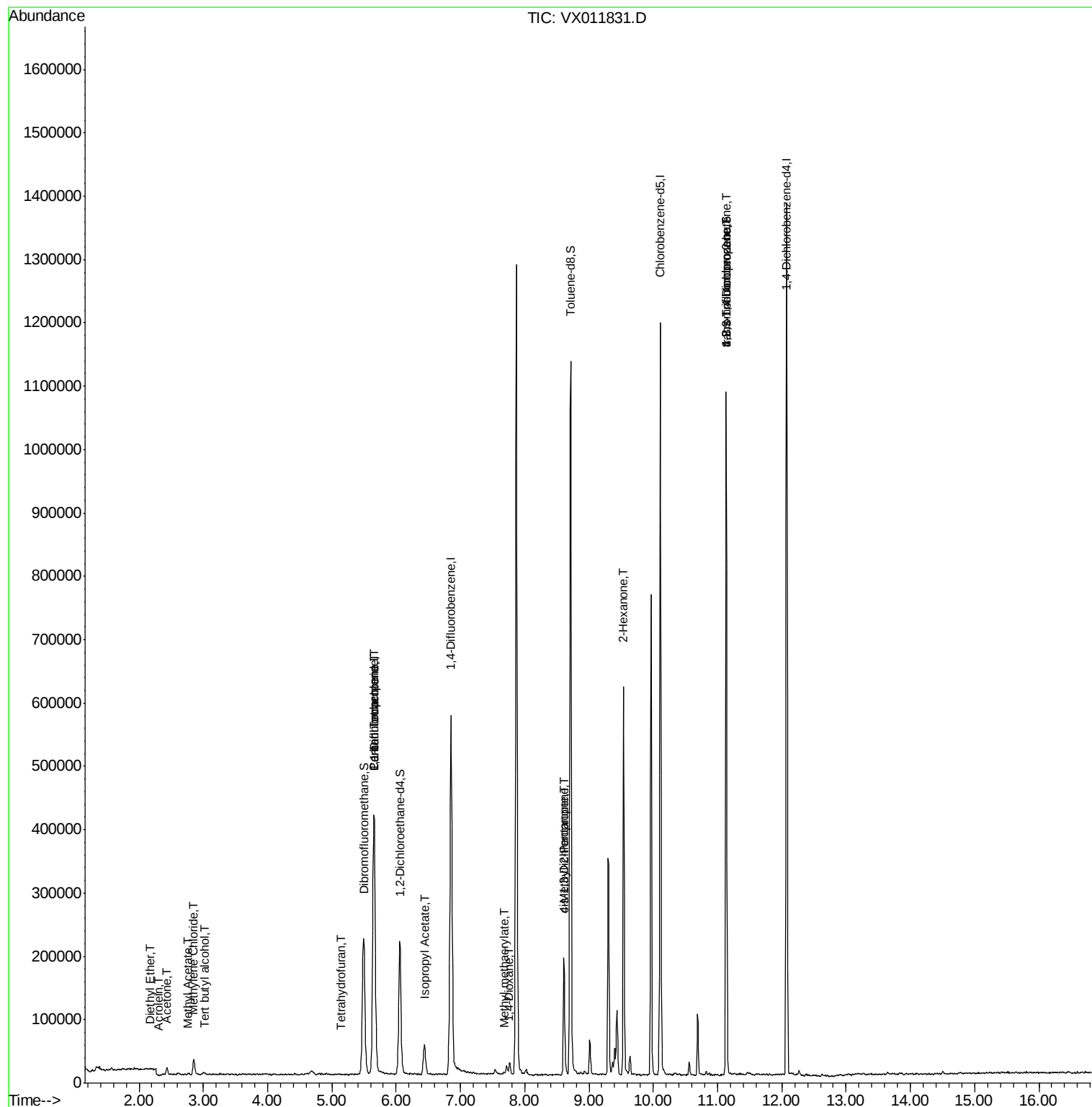
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.18	74	602	0.296	ug/l	80
11) Tert butyl alcohol	3.02	59	2035	2.235	ug/l	99
13) Acrolein	2.31	56	313	0.889	ug/l #	43
16) Acetone	2.43	43	12682	6.327	ug/l	97
18) Methyl Acetate	2.77	43	3110	0.572	ug/l	98
20) Methylene Chloride	2.85	84	12633	3.083	ug/l	95
29) Tetrahydrofuran	5.14	42	1399	0.759	ug/l #	52
36) 1,1-Dichloropropene	5.65	75	24826	5.128	ug/l #	51
38) Carbon Tetrachloride	5.65	117	37105	6.763	ug/l #	16
43) Isopropyl Acetate	6.44	43	65162	7.859	ug/l	97
48) Methyl methacrylate	7.68	41	4372	1.059	ug/l #	15
49) 1,4-Dioxane	7.75	88	157	1.373	ug/l #	26
51) 4-Methyl-2-Pentanone	8.61	43	62322	11.406	ug/l #	51
54) cis-1,3-Dichloropropene	8.61	75	31152	5.445	ug/l #	59
59) 2-Hexanone	9.54	43	69466	16.565	ug/l #	51
76) 1,2,3-Trichloropropane	11.13	75	117456	21.273	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	117456	64.154	ug/l #	11

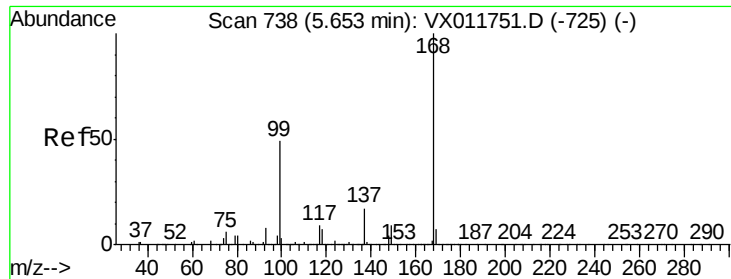
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011831.D

Acq: 24 Aug 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

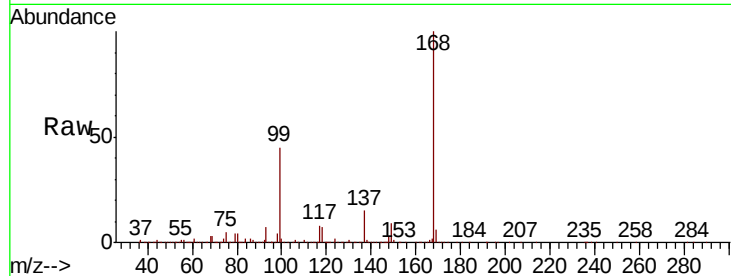
T1-2-K2-(0)

Tgt Ion:168 Resp: 458700

Ion Ratio Lower Upper

168 100

99 44.6 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

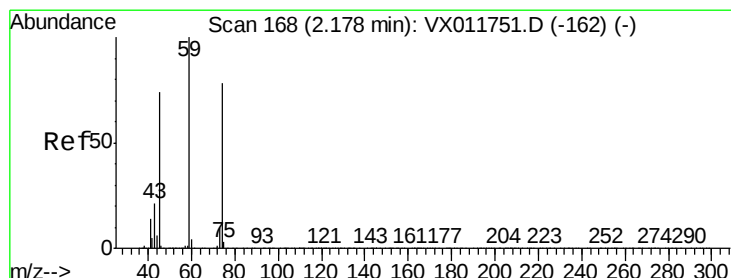
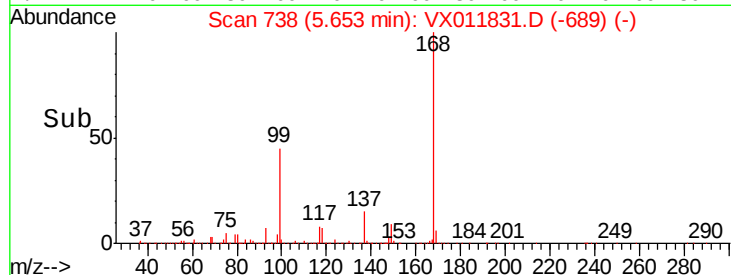
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 0.296 ug/l

RT: 2.18 min Scan# 168

Delta R.T. 0.00 min

Lab File: VX011831.D

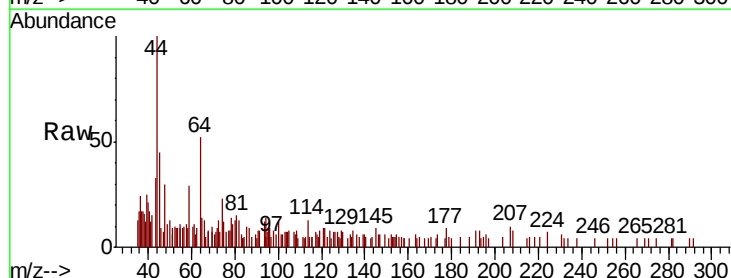
Acq: 24 Aug 2019 20:10

Tgt Ion: 74 Resp: 602

Ion Ratio Lower Upper

74 100

45 113.0 46.7 140.0



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.18

600

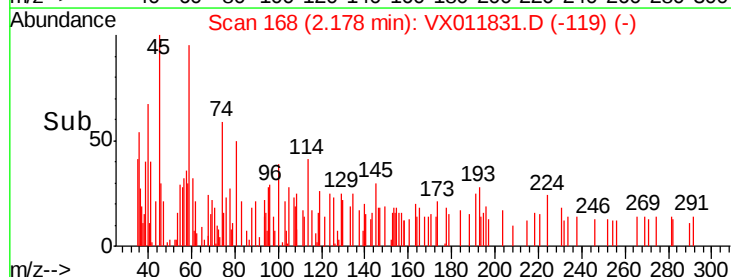
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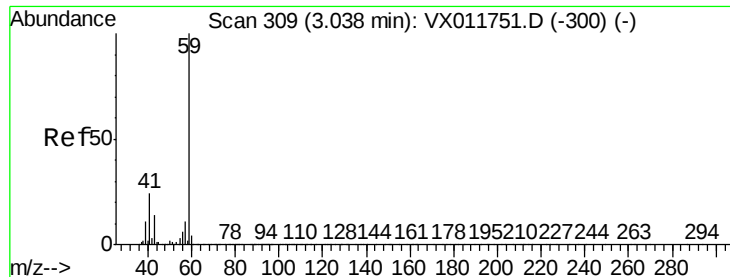
200

0

Time-->

2.15 2.20



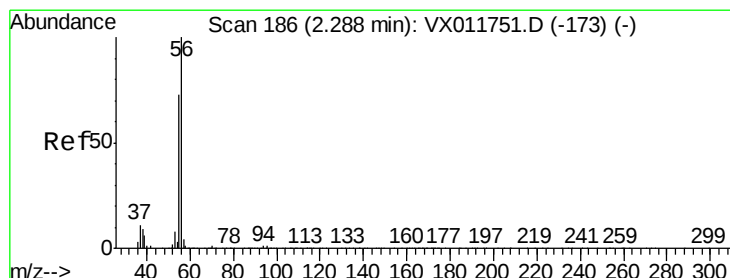
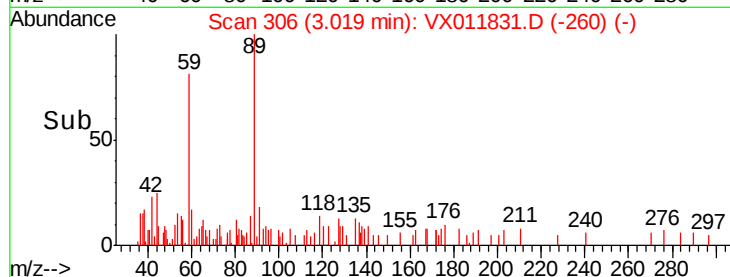
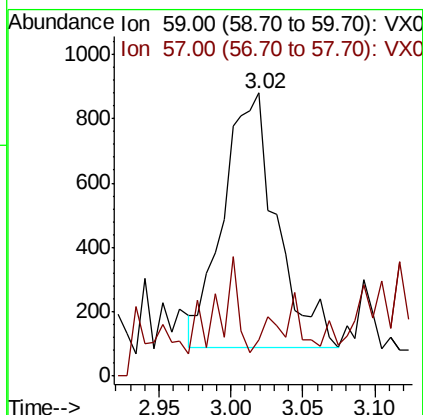
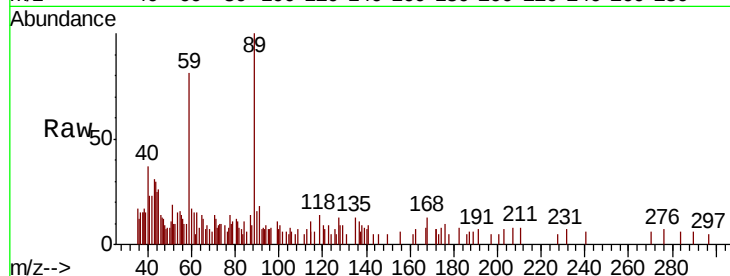


#11

Tert butyl alcohol
 Concen: 2.235 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.02 min
 Lab File: VX011831.D
 Acq: 24 Aug 2019 20:10

Instrument :
 MSVOA_X
 ClientSampled :
 T1-2-K2-(0)

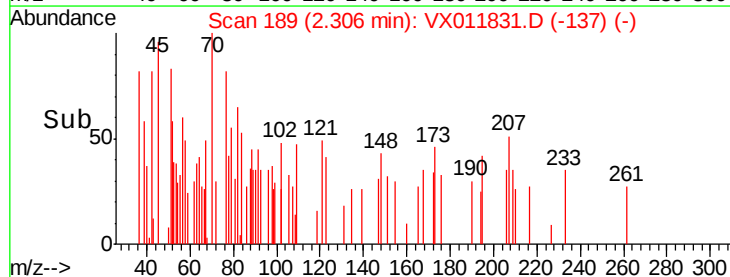
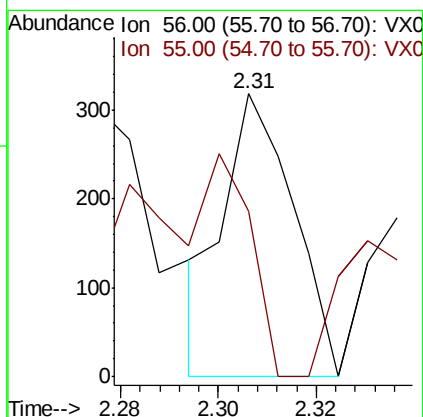
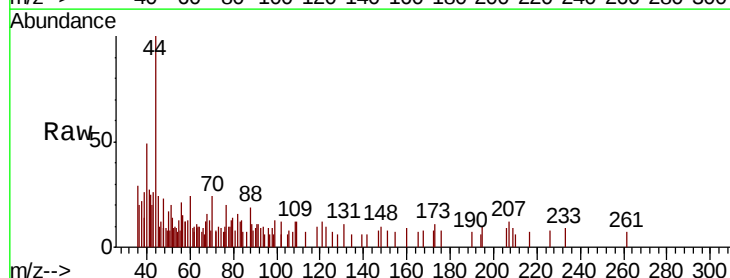
Tgt Ion: 59 Resp: 2035
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.4 12.6

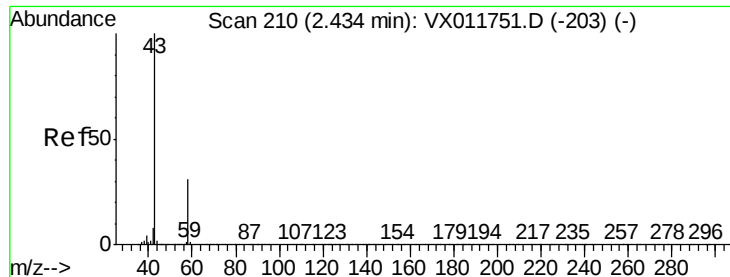


#13

Acrolein
 Concen: 0.889 ug/l
 RT: 2.31 min Scan# 189
 Delta R.T. 0.02 min
 Lab File: VX011831.D
 Acq: 24 Aug 2019 20:10

Tgt Ion: 56 Resp: 313
 Ion Ratio Lower Upper
 56 100
 55 114.4 54.8 82.2#

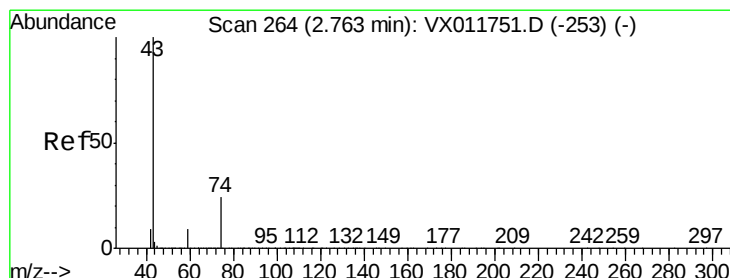
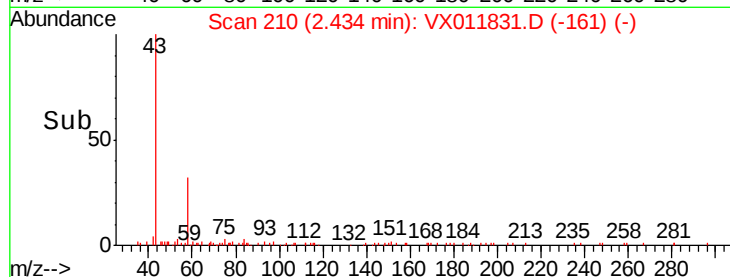
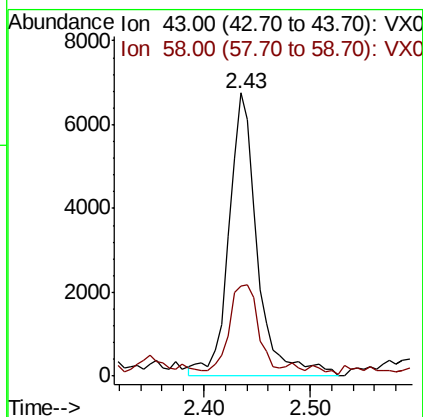
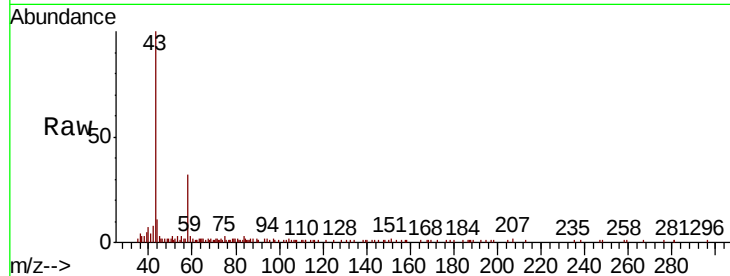




#16
Acetone
Concen: 6.327 ug/l
RT: 2.43 min Scan# 210
Delta R.T. 0.00 min
Lab File: VX011831.D
Acq: 24 Aug 2019 20:10

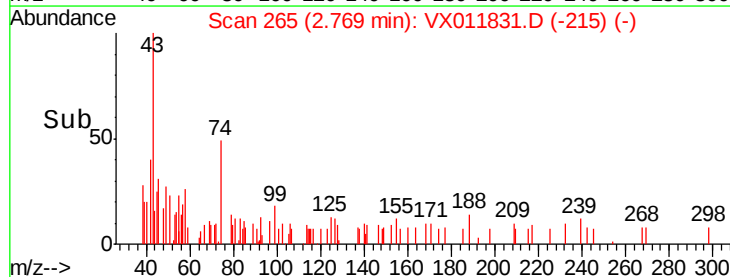
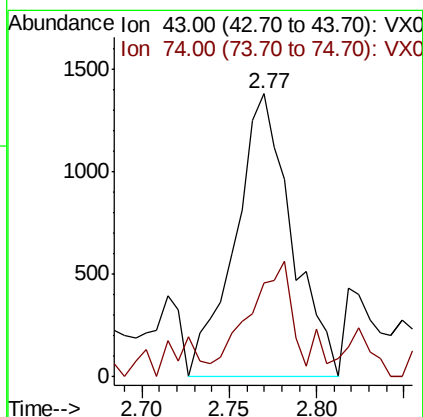
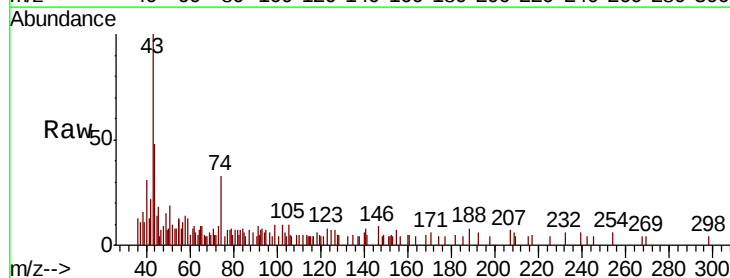
Instrument :
MSVOA_X
ClientSampleId :
T1-2-K2-(0)

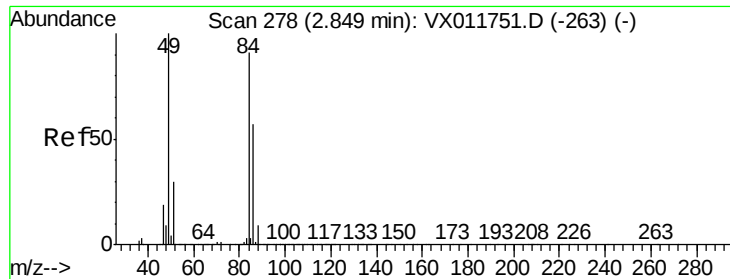
Tgt Ion: 43 Resp: 12682
Ion Ratio Lower Upper
43 100
58 28.9 24.4 36.6



#18
Methyl Acetate
Concen: 0.572 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011831.D
Acq: 24 Aug 2019 20:10

Tgt Ion: 43 Resp: 3110
Ion Ratio Lower Upper
43 100
74 25.2 19.5 29.3

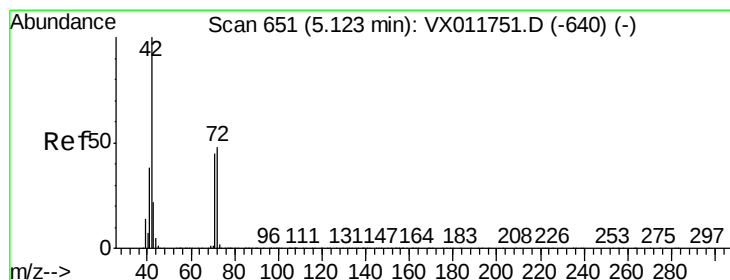
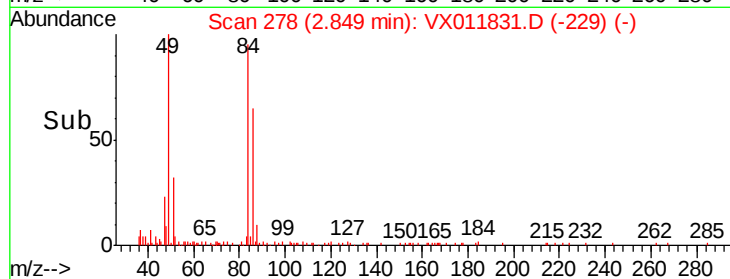
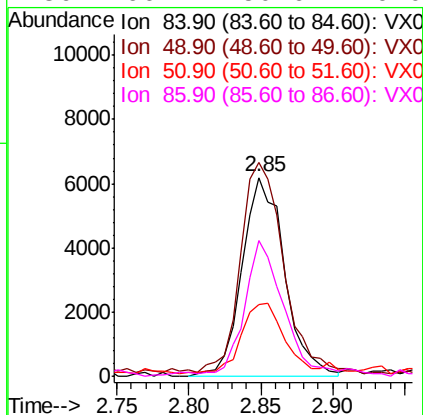
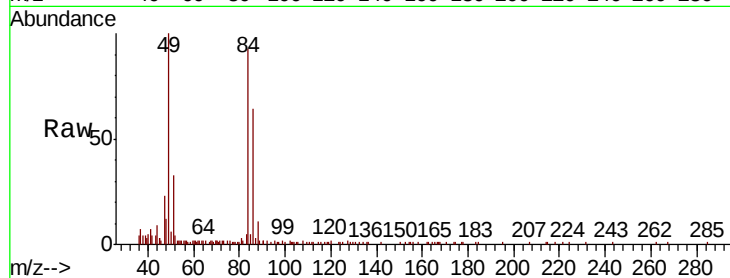




#20
Methylene Chloride
Concen: 3.083 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011831.D
Acq: 24 Aug 2019 20:10

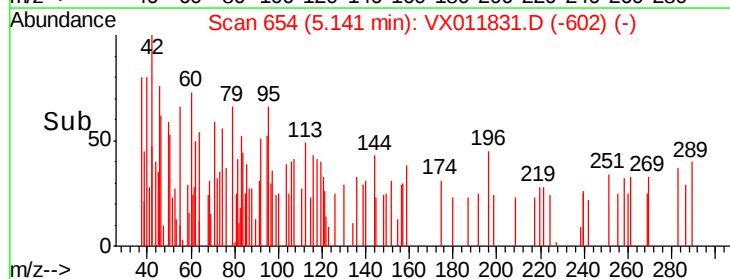
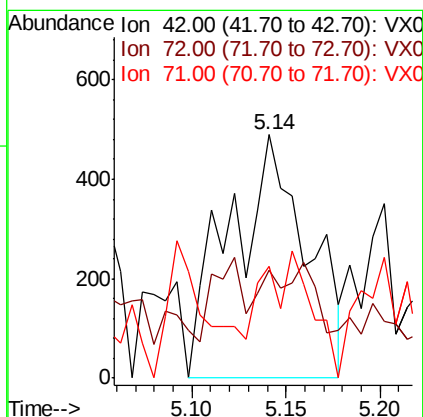
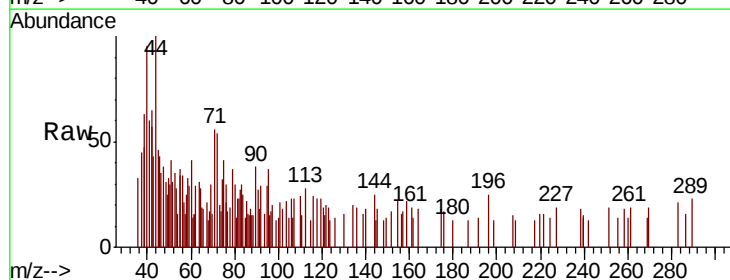
Instrument :
MSVOA_X
ClientSampleId :
T1-2-K2-(0)

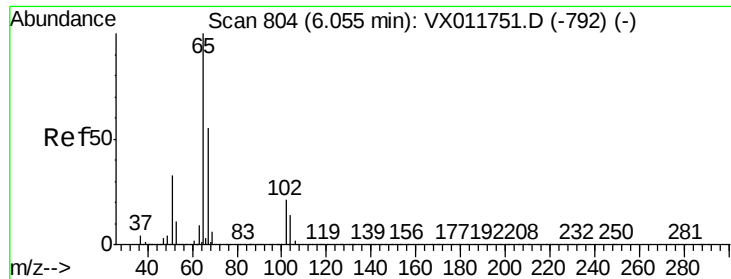
Tgt Ion:	84	Resp:	12633
Ion	Ratio	Lower	Upper
84	100		
49	104.2	88.3	132.5
51	34.0	26.2	39.2
86	66.1	50.6	76.0



#29
Tetrahydrofuran
Concen: 0.759 ug/l
RT: 5.14 min Scan# 654
Delta R.T. 0.02 min
Lab File: VX011831.D
Acq: 24 Aug 2019 20:10

Tgt Ion:	42	Resp:	1399
Ion	Ratio	Lower	Upper
42	100		
72	18.3	37.6	56.4#
71	8.4	34.6	51.8#





#33

1,2-Dichloroethane-d4

Concen: 43.257 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011831.D

Acq: 24 Aug 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

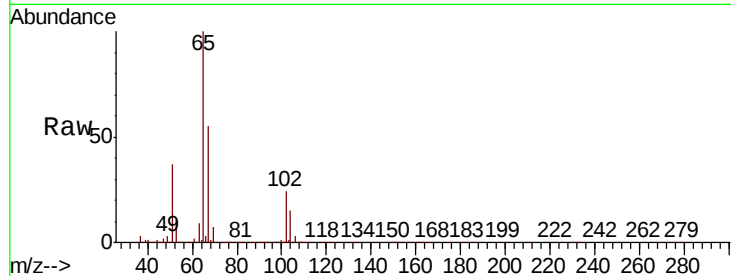
T1-2-K2-(0)

Tgt Ion: 65 Resp: 199326

Ion Ratio Lower Upper

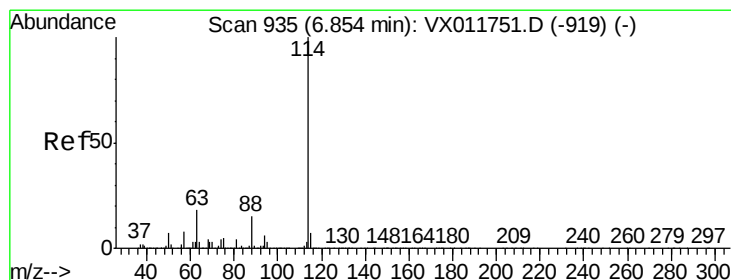
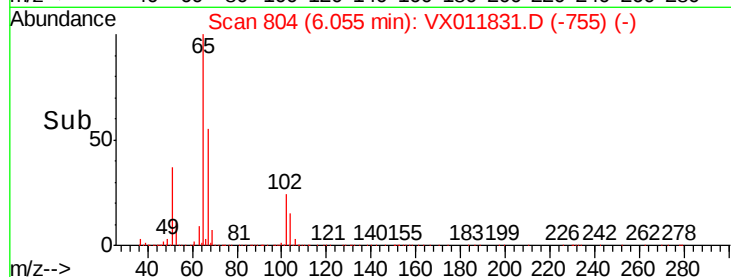
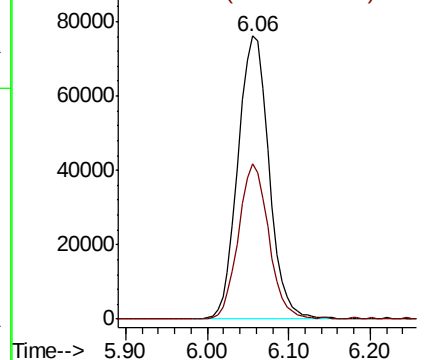
65 100

67 54.2 0.0 107.8



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# 935

Delta R.T. -0.00 min

Lab File: VX011831.D

Acq: 24 Aug 2019 20:10

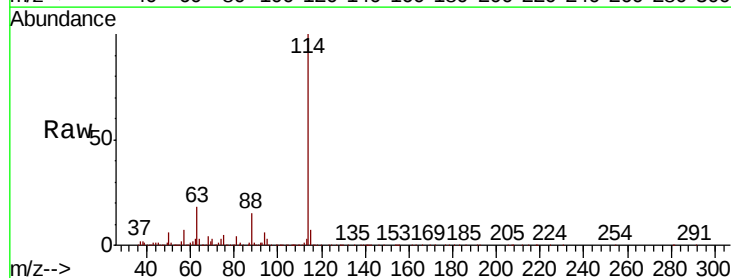
Tgt Ion: 114 Resp: 617352

Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.8

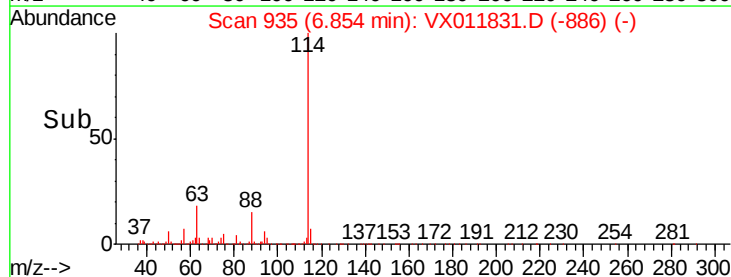
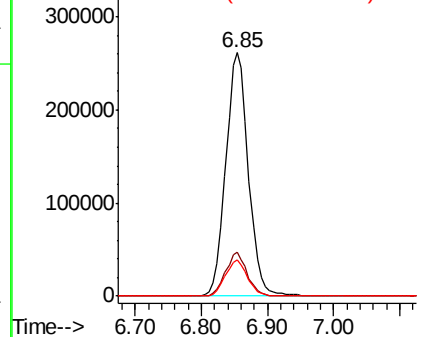
88 15.0 0.0 30.2

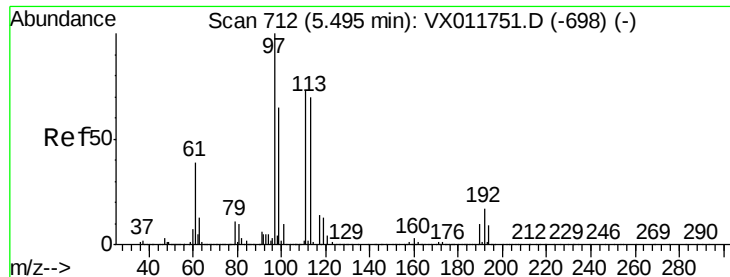


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

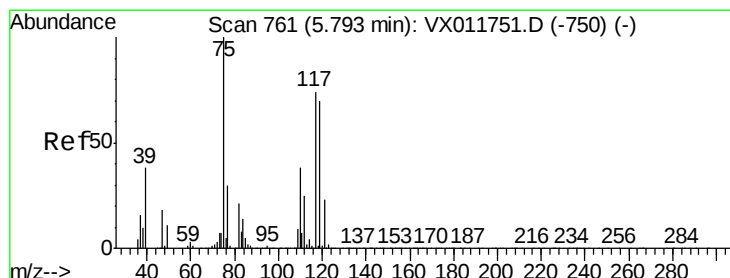
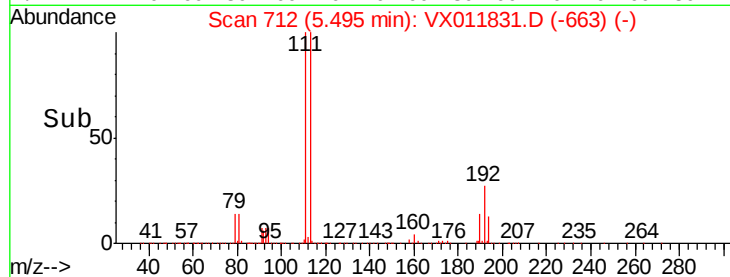
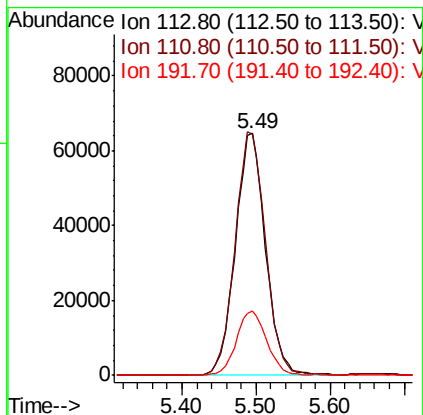
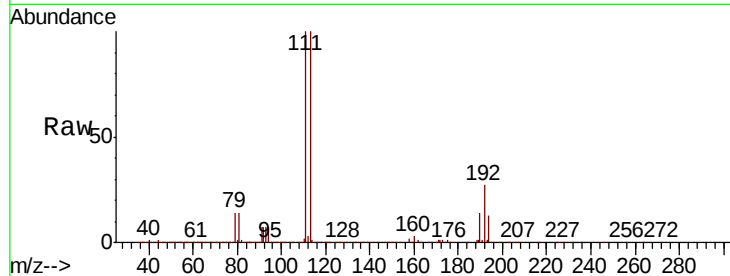




#35
 Dibromofluoromethane
 Concen: 45.843 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011831.D
 Acq: 24 Aug 2019 20:10

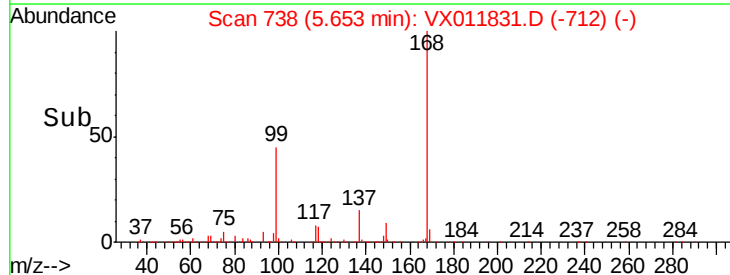
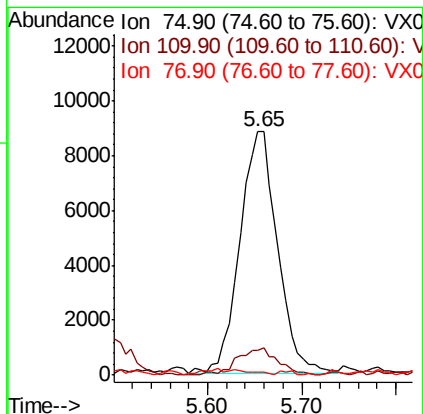
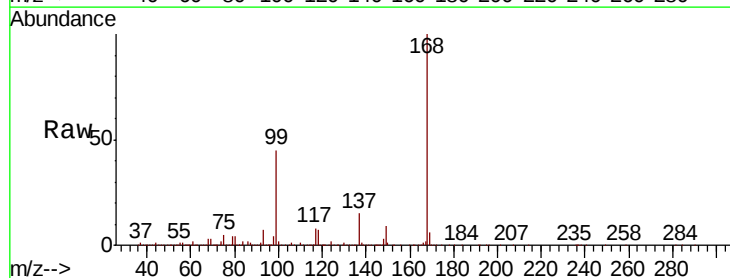
Instrument :
 MSVOA_X
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 T1-2-K2-(0)

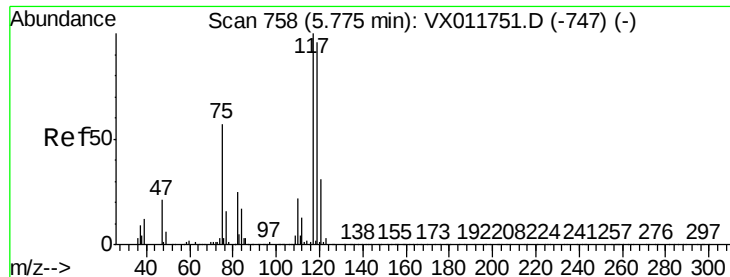
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.0	121.4
192	26.8	19.9	29.9



#36
 1,1-Dichloropropene
 Concen: 5.128 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011831.D
 Acq: 24 Aug 2019 20:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.8	19.0	57.0#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.763 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.12 min

Lab File: VX011831.D

Acq: 24 Aug 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

T1-2-K2-(0)

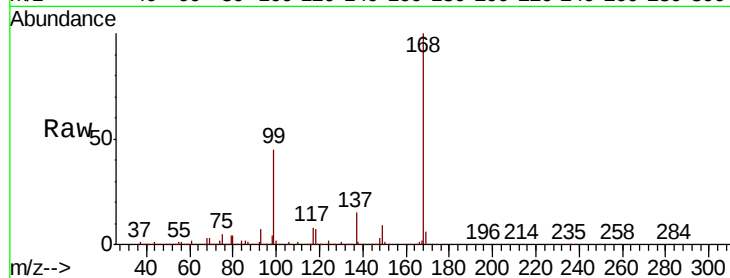
Tgt Ion:117 Resp: 37105

Ion Ratio Lower Upper

117 100

119 4.6 76.6 114.8#

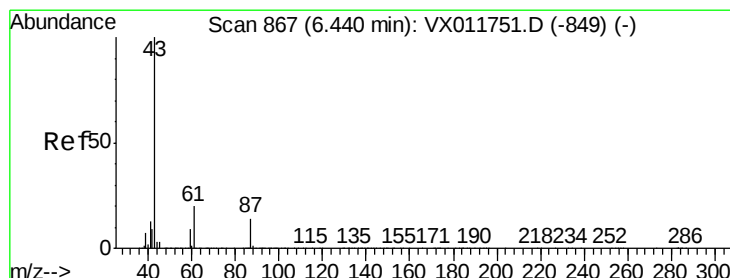
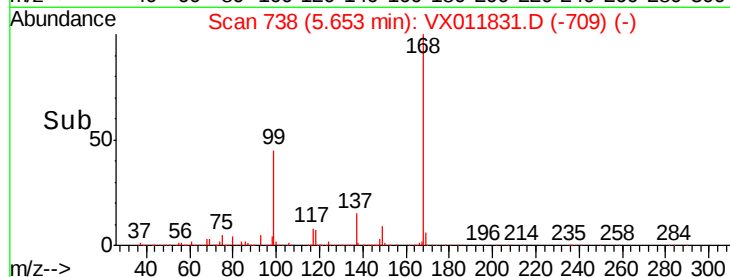
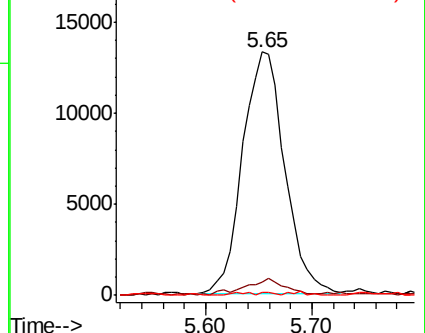
121 1.0 25.2 37.8#



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



#43

Isopropyl Acetate

Concen: 7.859 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.00 min

Lab File: VX011831.D

Acq: 24 Aug 2019 20:10

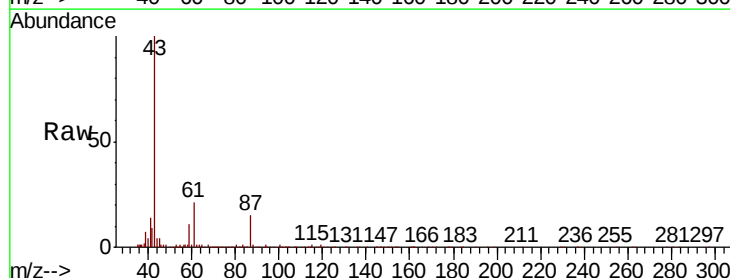
Tgt Ion: 43 Resp: 65162

Ion Ratio Lower Upper

43 100

61 21.8 16.2 24.2

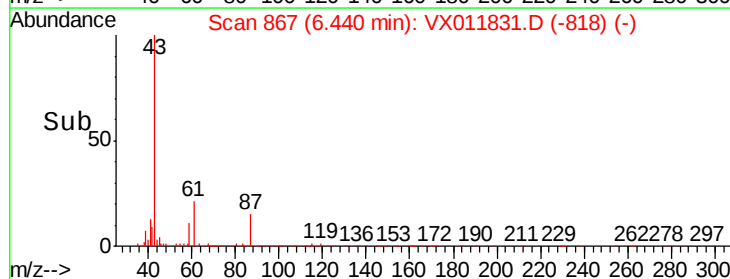
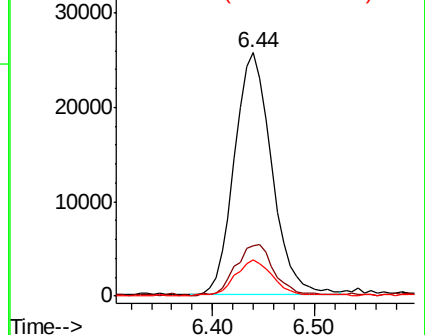
87 15.1 11.6 17.4

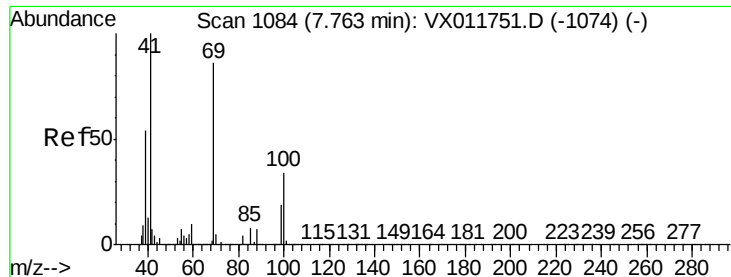


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

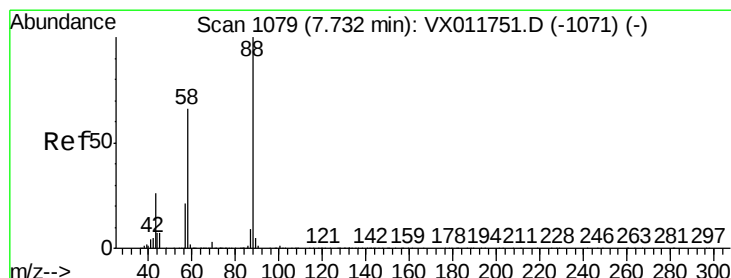
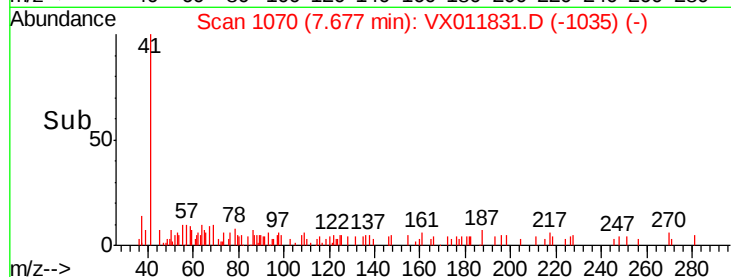
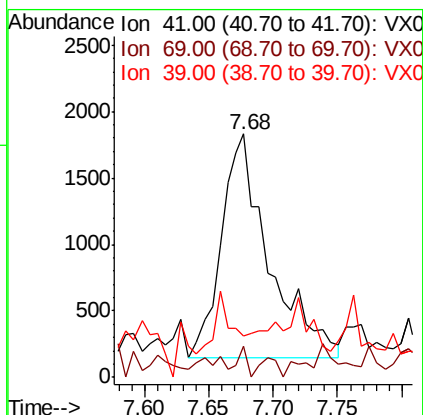
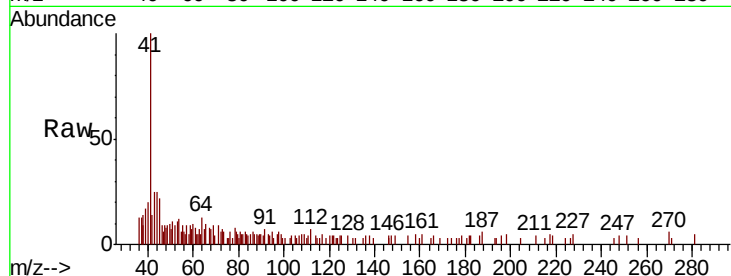




#48
Methyl methacrylate
Concen: 1.059 ug/l
RT: 7.68 min Scan# 1070
Delta R.T. -0.09 min
Lab File: VX011831.D
Acq: 24 Aug 2019 20:10

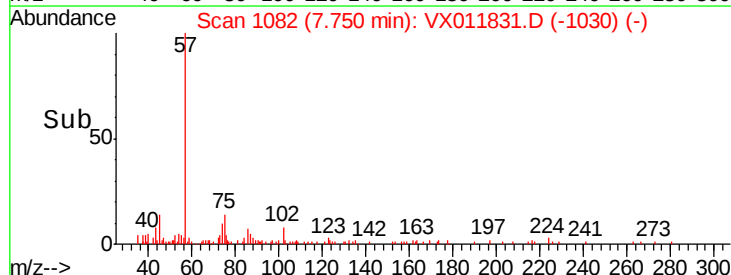
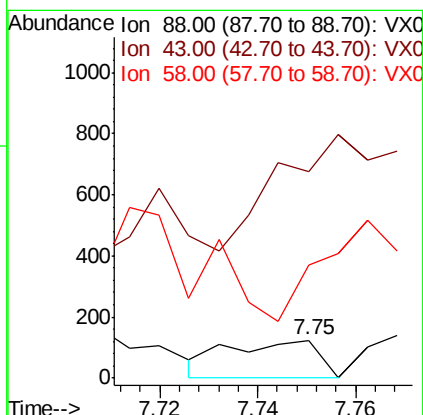
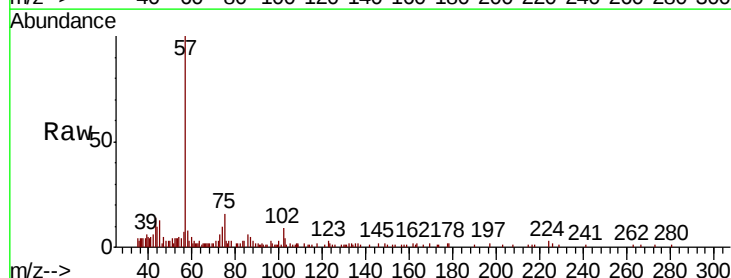
Instrument :
MSVOA_X
ClientSampleId :
T1-2-K2-(0)

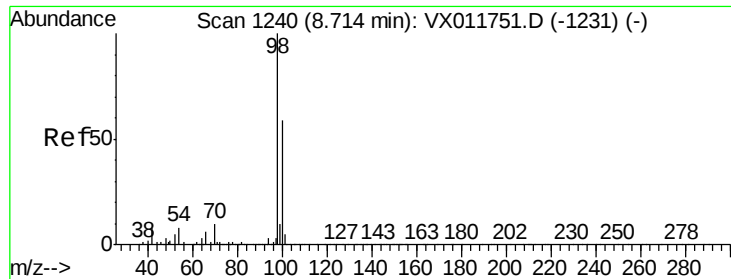
Tgt Ion: 41 Resp: 4372
Ion Ratio Lower Upper
41 100
69 2.7 69.4 104.2#
39 0.0 43.6 65.4#



#49
1,4-Dioxane
Concen: 1.373 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.02 min
Lab File: VX011831.D
Acq: 24 Aug 2019 20:10

Tgt Ion: 88 Resp: 157
Ion Ratio Lower Upper
88 100
43 0.0 24.6 37.0#
58 0.0 51.4 77.2#





#50

Toluene-d8

Concen: 50.786 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011831.D

Acq: 24 Aug 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

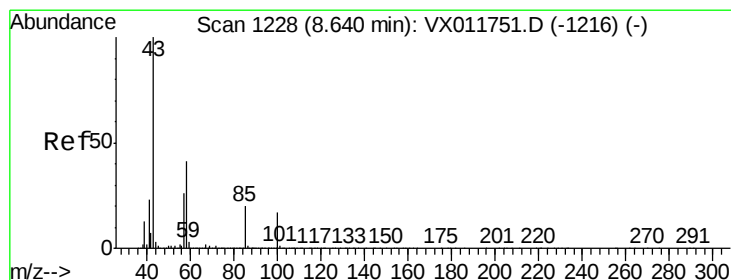
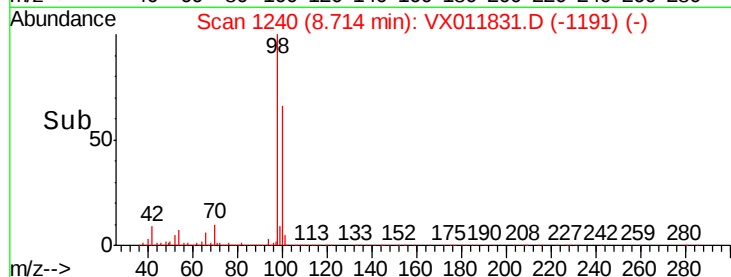
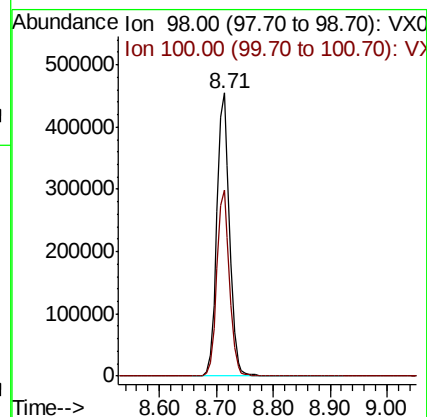
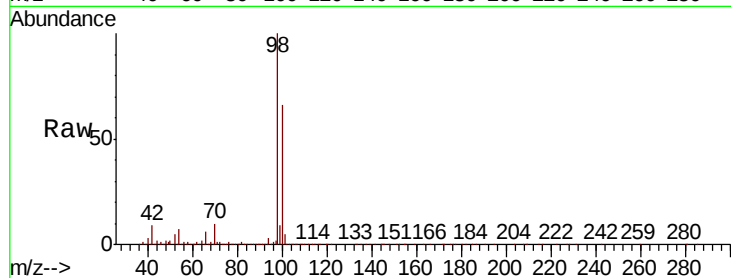
T1-2-K2-(0)

Tgt Ion: 98 Resp: 707160

Ion Ratio Lower Upper

98 100

100 65.3 52.1 78.1



#51

4-Methyl-2-Pentanone

Concen: 11.406 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. -0.03 min

Lab File: VX011831.D

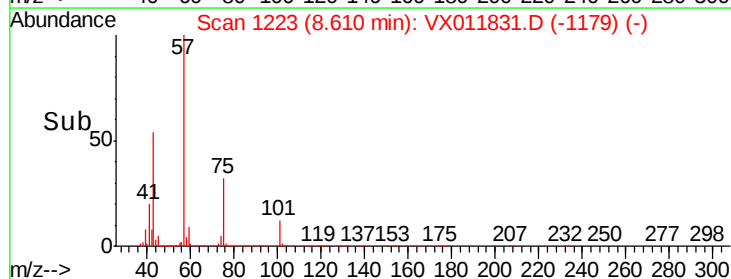
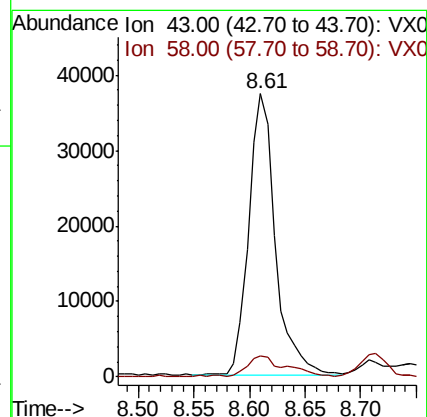
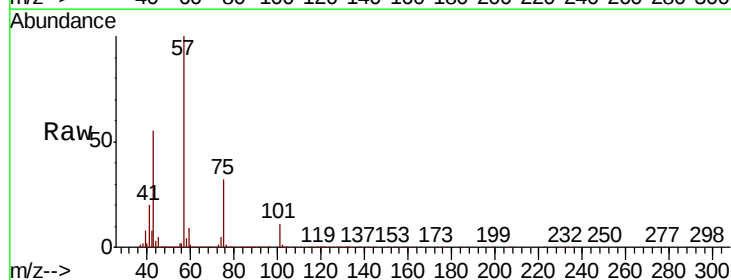
Acq: 24 Aug 2019 20:10

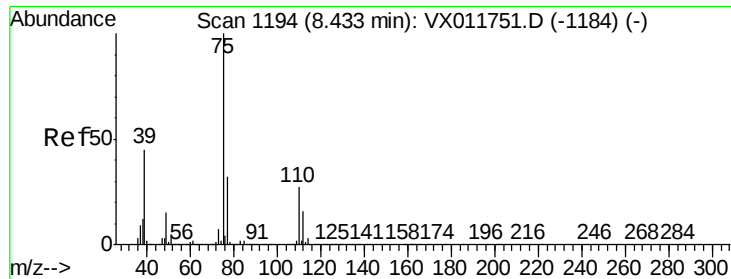
Tgt Ion: 43 Resp: 62322

Ion Ratio Lower Upper

43 100

58 9.8 31.8 47.6#





#54

cis-1,3-Dichloropropene

Concen: 5.445 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. 0.18 min

Lab File: VX011831.D

Acq: 24 Aug 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

T1-2-K2-(0)

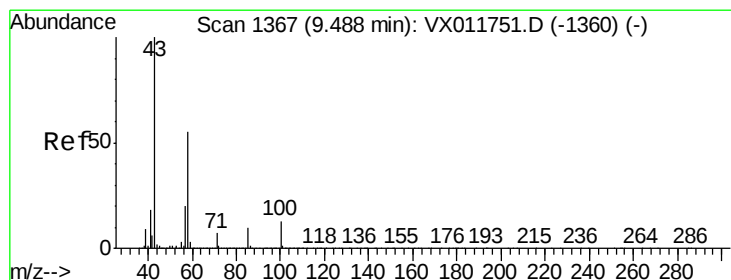
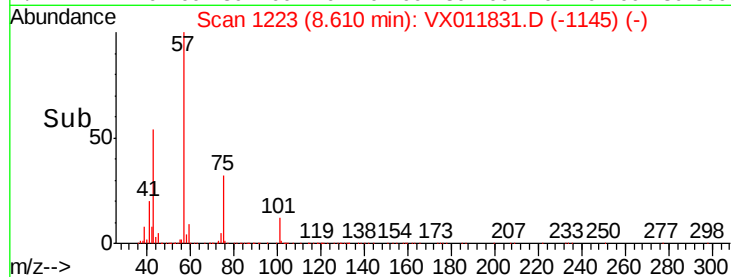
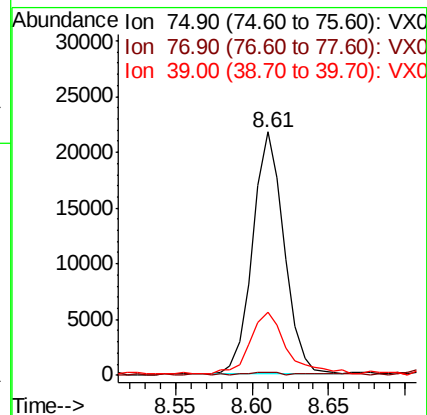
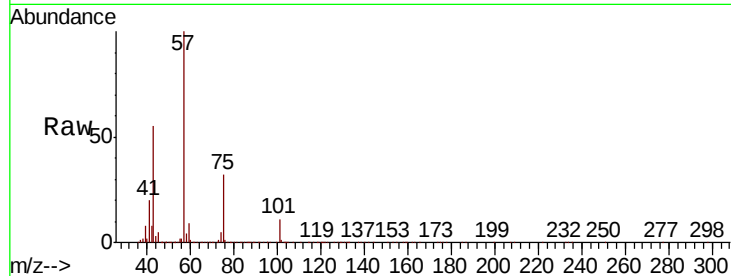
Tgt Ion: 75 Resp: 31152

Ion Ratio Lower Upper

75 100

77 0.5 25.4 38.2#

39 25.3 36.2 54.4#



#59

2-Hexanone

Concen: 16.565 ug/l

RT: 9.54 min Scan# 1375

Delta R.T. 0.05 min

Lab File: VX011831.D

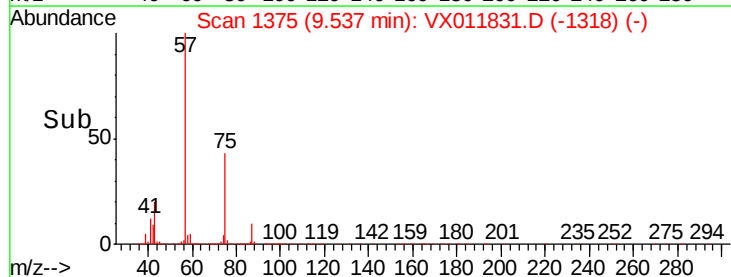
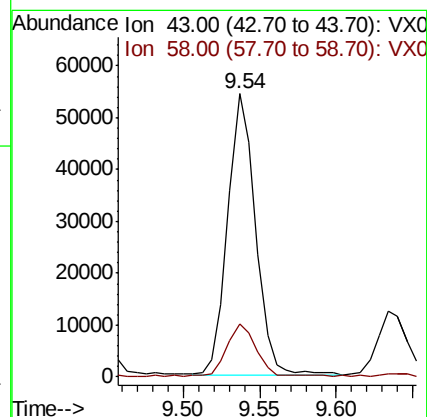
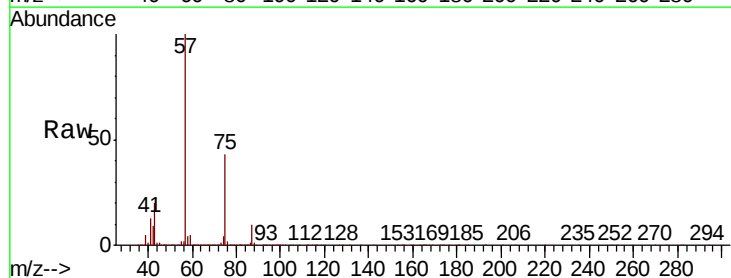
Acq: 24 Aug 2019 20:10

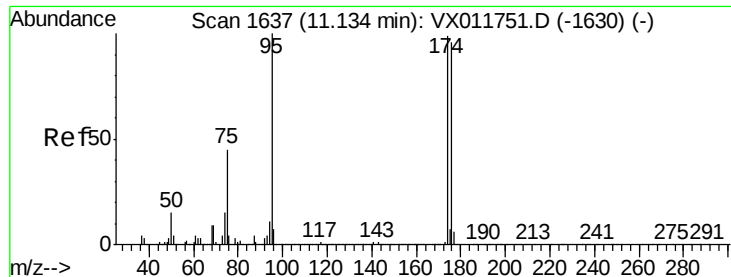
Tgt Ion: 43 Resp: 69466

Ion Ratio Lower Upper

43 100

58 20.0 27.7 83.1#

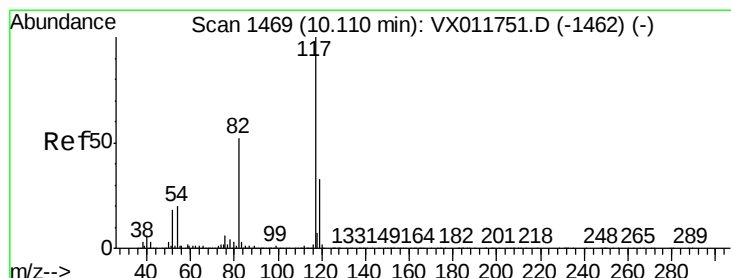
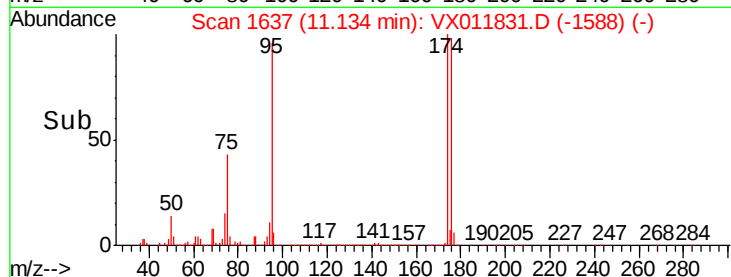
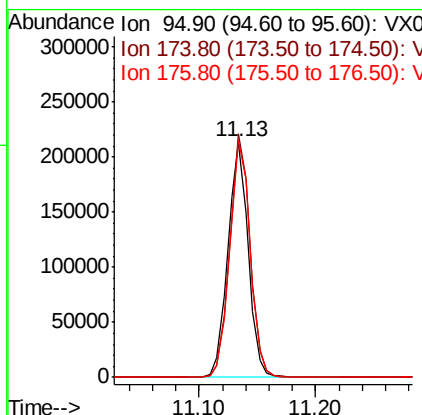
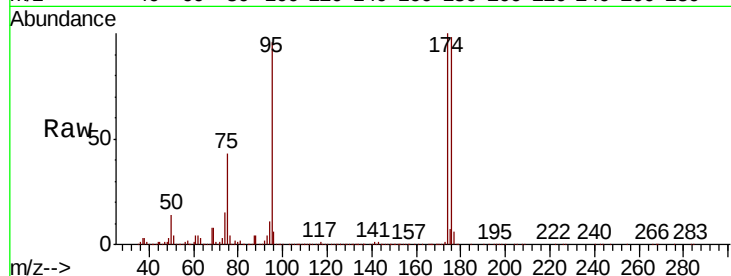




#62
4-Bromofluorobenzene
Concen: 46.766 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011831.D
Acq: 24 Aug 2019 20:10

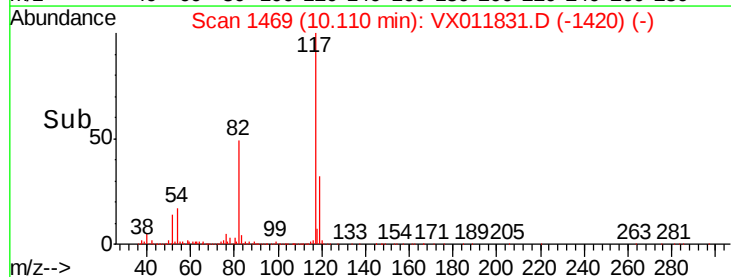
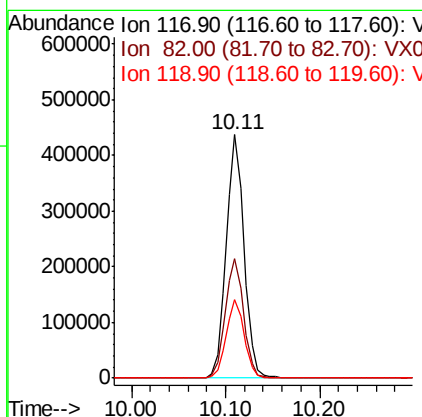
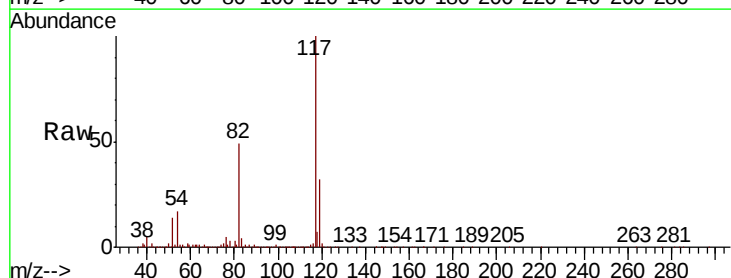
Instrument :
MSVOA_X
ClientSampleId :
T1-2-K2-(0)

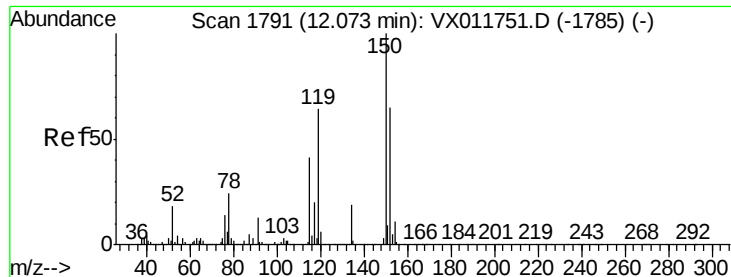
Tgt Ion: 95 Resp: 257390
Ion Ratio Lower Upper
95 100
174 104.9 0.0 197.4
176 102.5 0.0 194.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011831.D
Acq: 24 Aug 2019 20:10

Tgt Ion: 117 Resp: 573388
Ion Ratio Lower Upper
117 100
82 49.1 41.7 62.5
119 32.1 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX011831.D

Acq: 24 Aug 2019 20:10

Instrument :

MSVOA_X

ClientSampled :

T1-2-K2-(0)

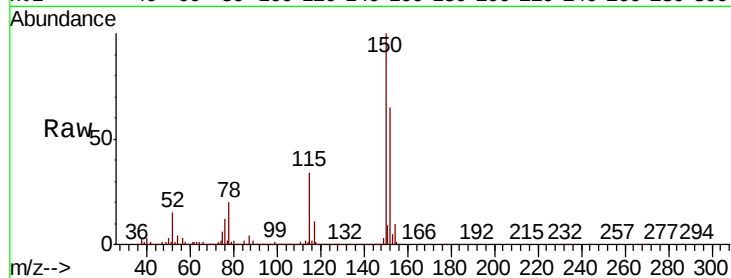
Tgt Ion:152 Resp: 314670

Ion Ratio Lower Upper

152 100

115 51.8 37.3 111.8

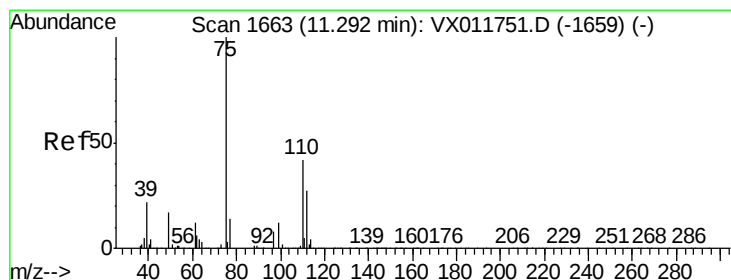
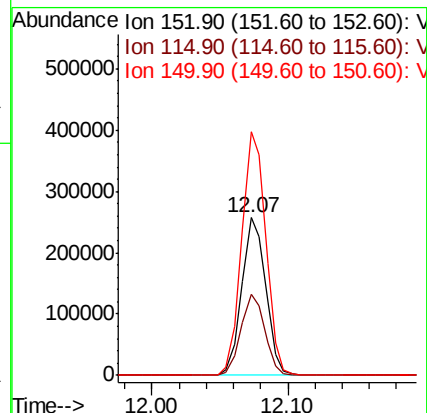
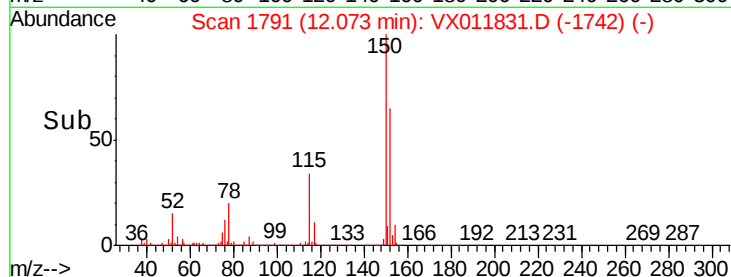
150 155.8 0.0 343.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 21.273 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011831.D

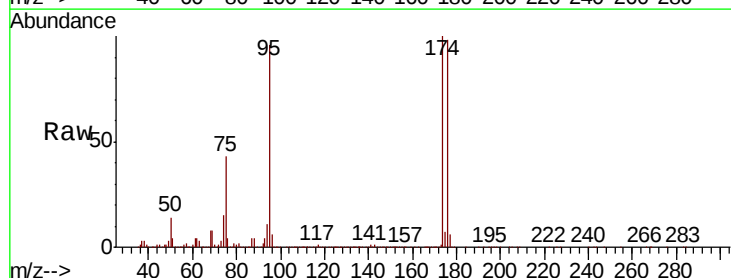
Acq: 24 Aug 2019 20:10

Tgt Ion: 75 Resp: 117456

Ion Ratio Lower Upper

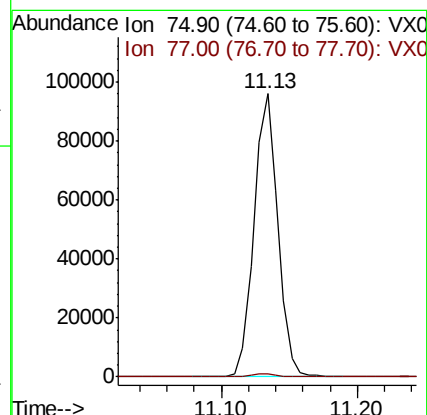
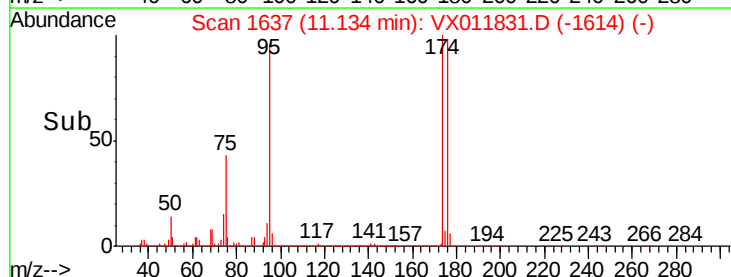
75 100

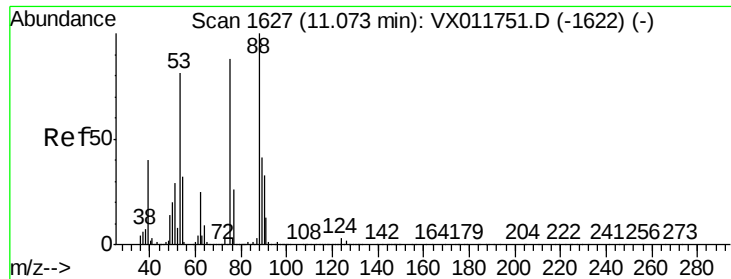
77 1.2 21.1 63.3#



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: 64.154 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011831.D

Acq: 24 Aug 2019 20:10

Instrument :

MSVOA_X

ClientSampleId :

T1-2-K2-(0)

Tgt Ion: 75 Resp: 117456

Ion Ratio Lower Upper

75 100

53 0.1 77.1 115.7#

89 0.3 38.5 57.7#

