

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082419\
 Data File : VX011833.D
 Acq On : 24 Aug 2019 20:57
 Operator : JC/SP
 Sample : K4474-34
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-2-K3-(0)

Quant Time: Aug 26 04:13:06 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	467430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	626585	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	587469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	317719	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	207735	44.24	ug/l	0.00
Spiked Amount			Recovery	=	88.48%	
35) Dibromofluoromethane	5.49	113	187168	46.19	ug/l	0.00
Spiked Amount			Recovery	=	92.38%	
50) Toluene-d8	8.71	98	721609	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
62) 4-Bromofluorobenzene	11.13	95	264802	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	

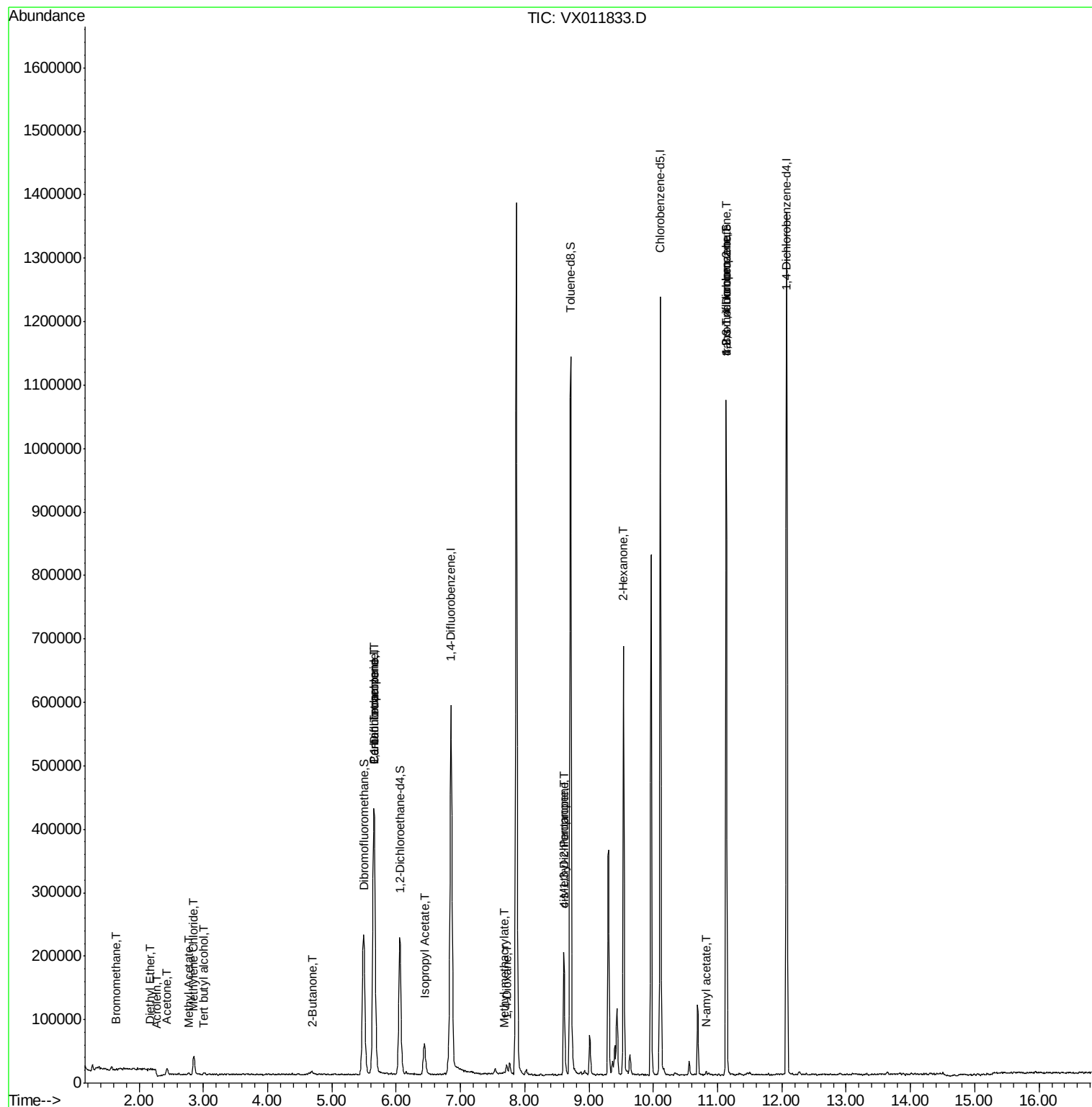
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	516	0.245	ug/l #	48
8) Diethyl Ether	2.18	74	994	0.480	ug/l	88
11) Tert butyl alcohol	3.01	59	2681	2.889	ug/l #	89
13) Acrolein	2.28	56	425	1.185	ug/l #	35
16) Acetone	2.43	43	11768	5.761	ug/l	93
18) Methyl Acetate	2.77	43	3102	0.560	ug/l	92
20) Methylene Chloride	2.85	84	15962	3.822	ug/l	94
25) 2-Butanone	4.68	43	3171	1.082	ug/l #	75
36) 1,1-Dichloropropene	5.66	75	25287	5.146	ug/l #	51
38) Carbon Tetrachloride	5.65	117	38476	6.910	ug/l #	17
43) Isopropyl Acetate	6.44	43	70579	8.386	ug/l	99
48) Methyl methacrylate	7.68	41	3993	0.953	ug/l #	14
49) 1,4-Dioxane	7.71	88	146	1.258	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	63244	11.405	ug/l #	47
54) cis-1,3-Dichloropropene	8.61	75	32171	5.540	ug/l #	59
59) 2-Hexanone	9.54	43	73554	17.281	ug/l #	53
74) N-amyl acetate	10.82	43	3318	0.448	ug/l #	55
76) 1,2,3-Trichloropropane	11.13	75	120253	21.570	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	120253	65.051	ug/l #	11

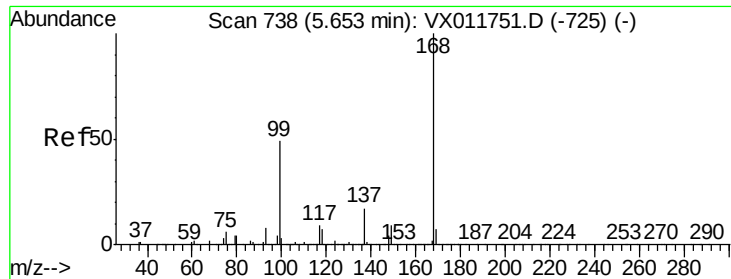
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 23 01:48:12 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011833.D

Acq: 24 Aug 2019 20:57

Instrument :

MSVOA_X

ClientSampleId :

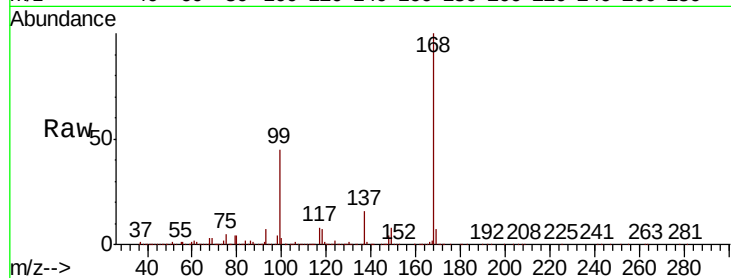
T1-2-K3-(0)

Tgt Ion:168 Resp: 467430

Ion Ratio Lower Upper

168 100

99 45.0 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

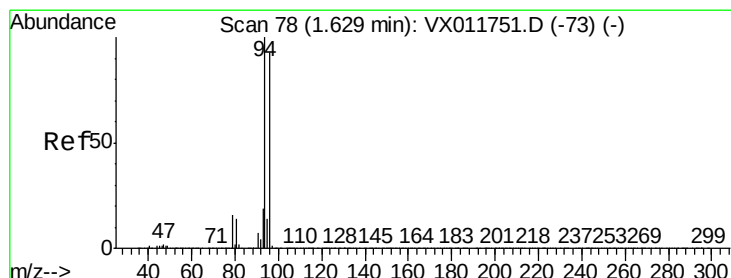
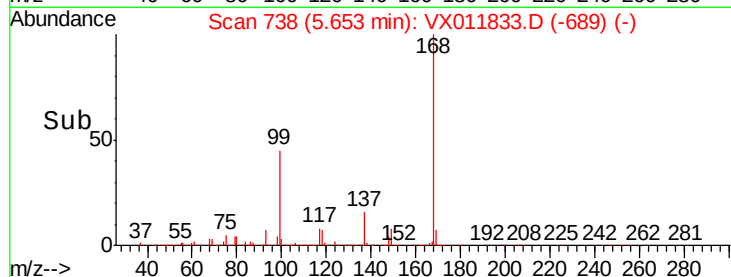
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.245 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.02 min

Lab File: VX011833.D

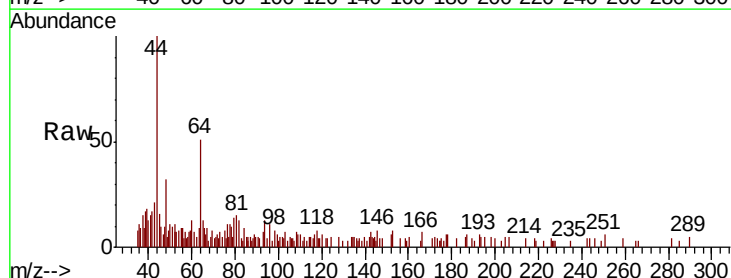
Acq: 24 Aug 2019 20:57

Tgt Ion: 94 Resp: 516

Ion Ratio Lower Upper

94 100

96 42.7 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

300

250

200

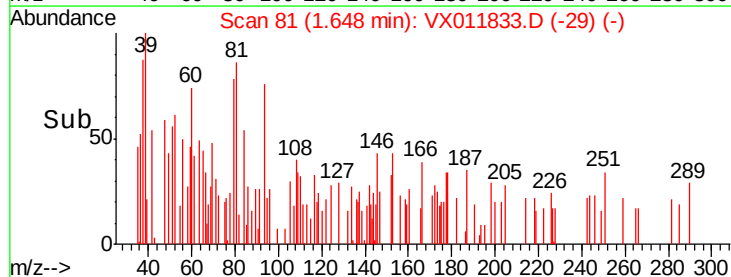
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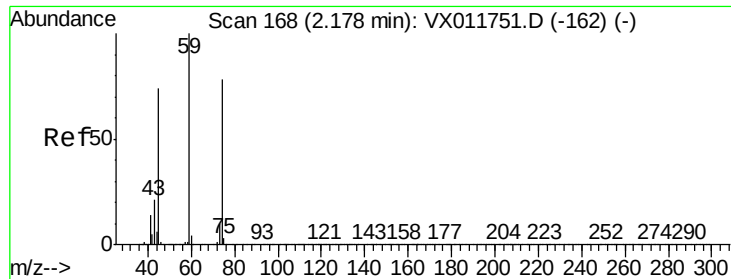
100

50

0

Time-->





#8

Diethyl Ether

Concen: 0.480 ug/l

RT: 2.18 min Scan# 169

Delta R.T. 0.01 min

Lab File: VX011833.D

Acq: 24 Aug 2019 20:57

Instrument :

MSVOA_X

ClientSampled :

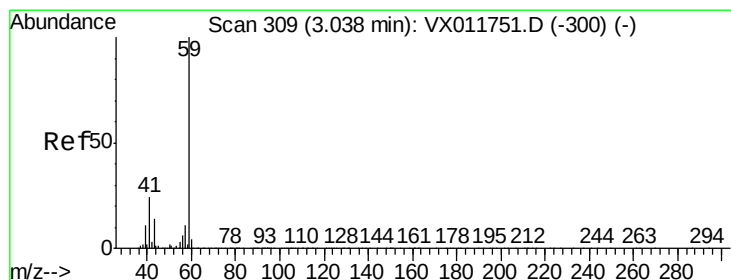
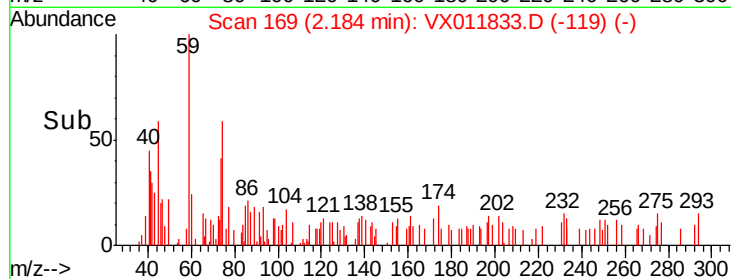
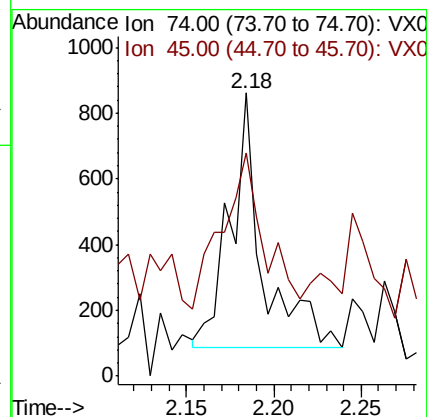
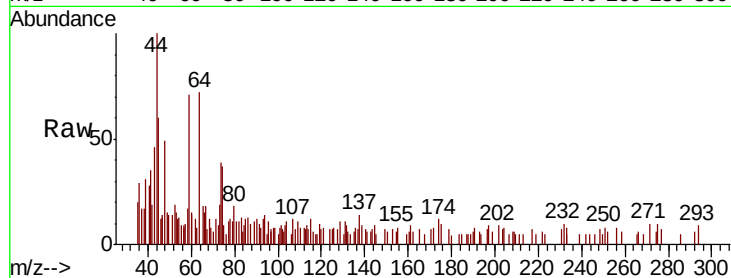
T1-2-K3-(0)

Tgt Ion: 74 Resp: 994

Ion Ratio Lower Upper

74 100

45 82.2 46.7 140.0



#11

Tert butyl alcohol

Concen: 2.889 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.02 min

Lab File: VX011833.D

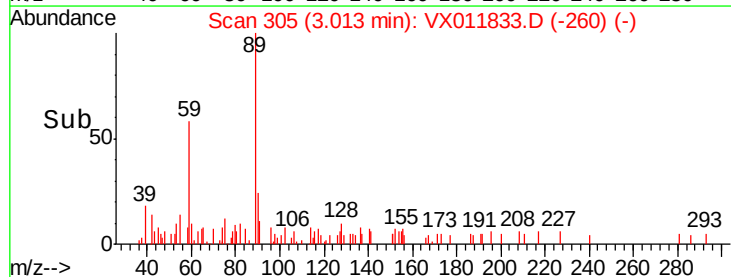
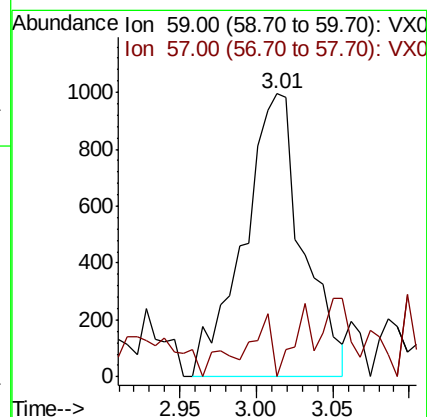
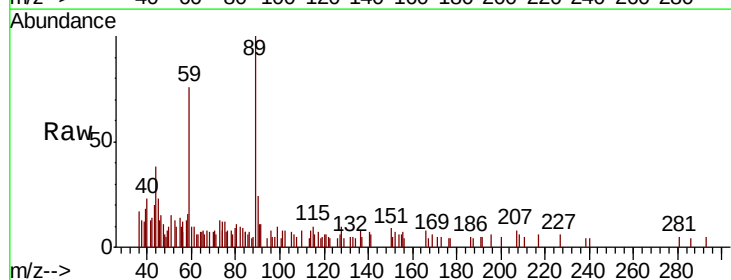
Acq: 24 Aug 2019 20:57

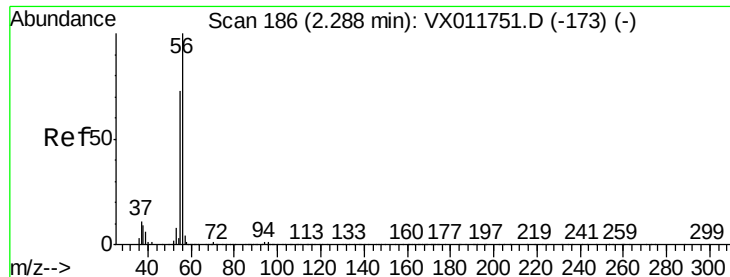
Tgt Ion: 59 Resp: 2681

Ion Ratio Lower Upper

59 100

57 6.5 8.4 12.6#





#13

Acrolein

Concen: 1.185 ug/l

RT: 2.28 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX011833.D

Acq: 24 Aug 2019 20:57

Instrument :

MSVOA_X

ClientSampled :

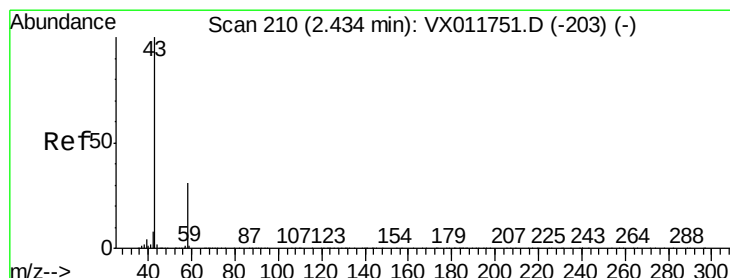
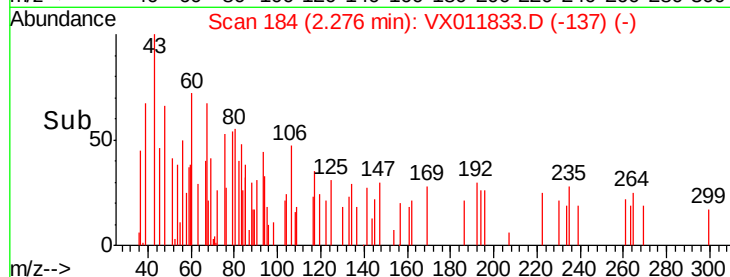
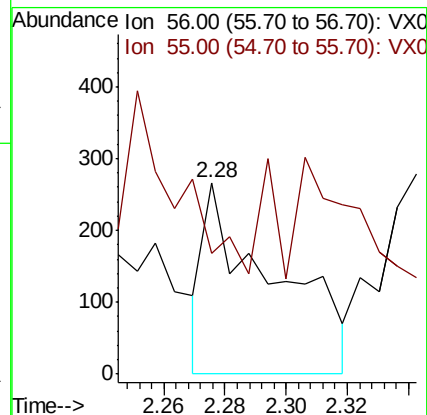
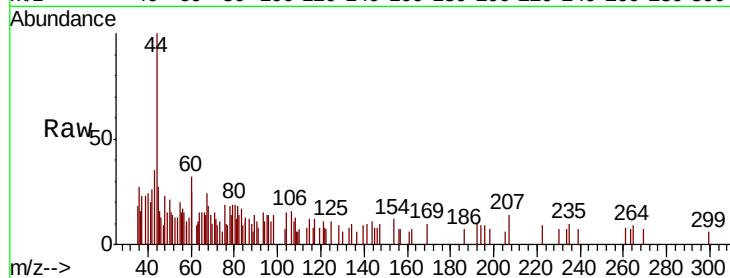
T1-2-K3-(0)

Tgt Ion: 56 Resp: 425

Ion Ratio Lower Upper

56 100

55 15.8 54.8 82.2#



#16

Acetone

Concen: 5.761 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011833.D

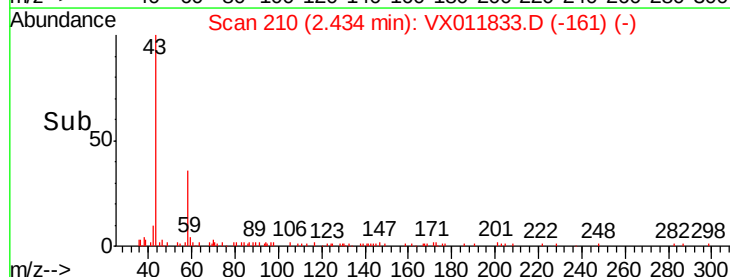
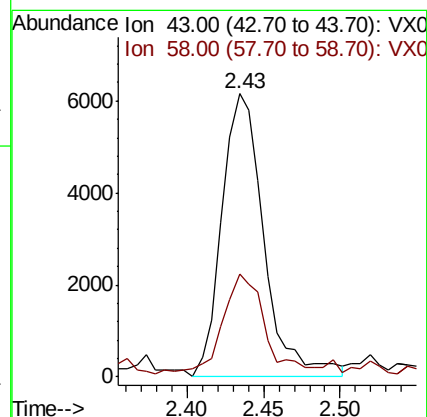
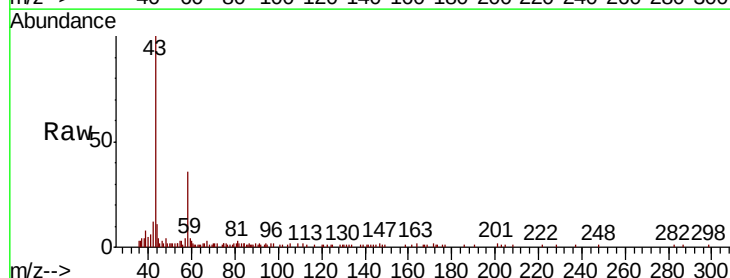
Acq: 24 Aug 2019 20:57

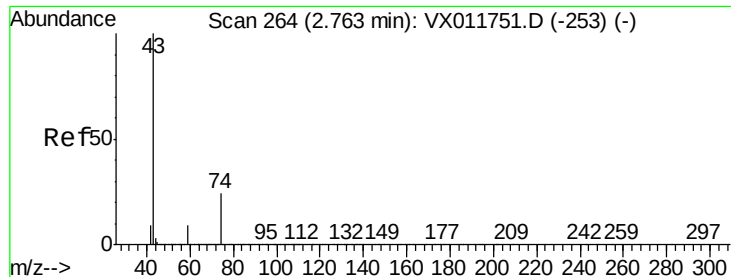
Tgt Ion: 43 Resp: 11768

Ion Ratio Lower Upper

43 100

58 34.6 24.4 36.6

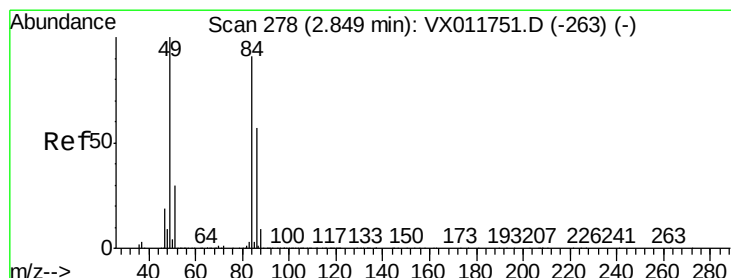
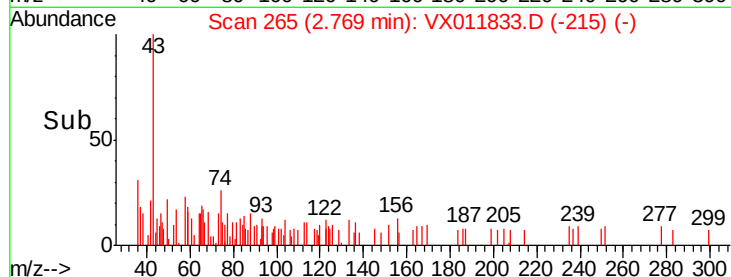
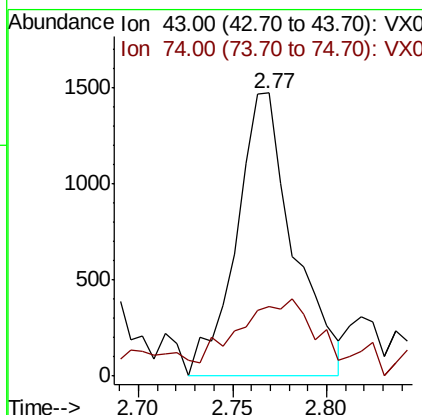
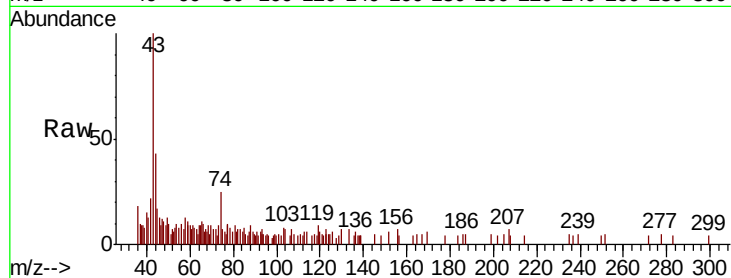




#18
Methyl Acetate
Concen: 0.560 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011833.D
Acq: 24 Aug 2019 20:57

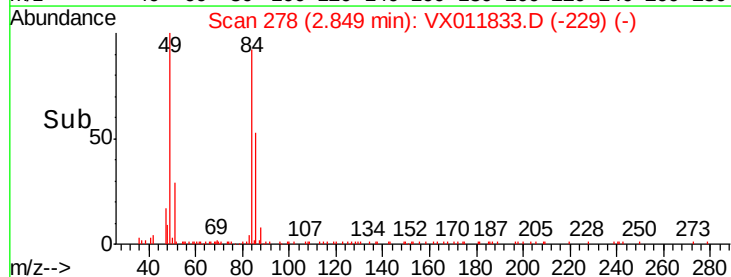
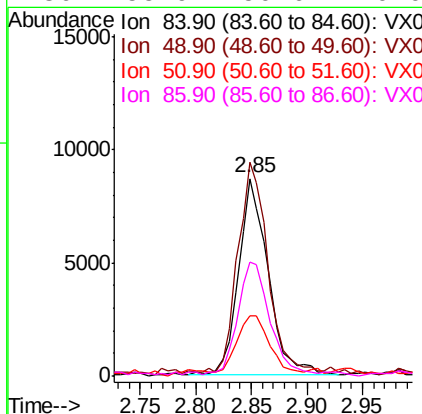
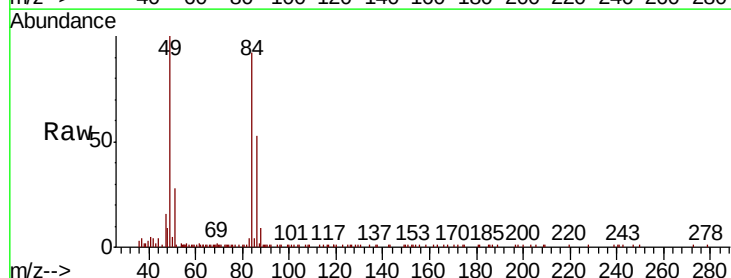
Instrument :
MSVOA_X
ClientSampleId :
T1-2-K3-(0)

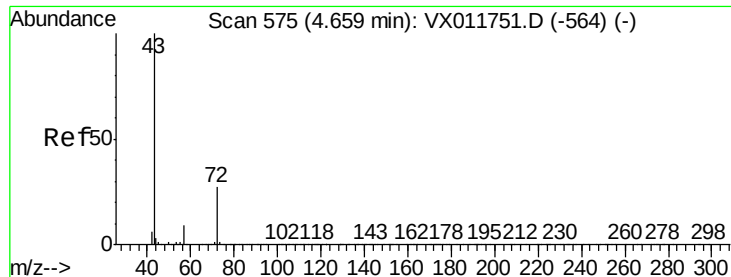
Tgt Ion: 43 Resp: 3102
Ion Ratio Lower Upper
43 100
74 28.5 19.5 29.3



#20
Methylene Chloride
Concen: 3.822 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.00 min
Lab File: VX011833.D
Acq: 24 Aug 2019 20:57

Tgt Ion: 84 Resp: 15962
Ion Ratio Lower Upper
84 100
49 106.6 88.3 132.5
51 27.5 26.2 39.2
86 55.9 50.6 76.0





#25

2-Butanone

Concen: 1.082 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.02 min

Lab File: VX011833.D

Acq: 24 Aug 2019 20:57

Instrument :

MSVOA_X

ClientSampleId :

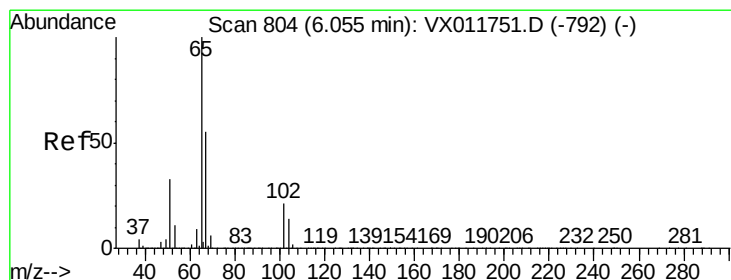
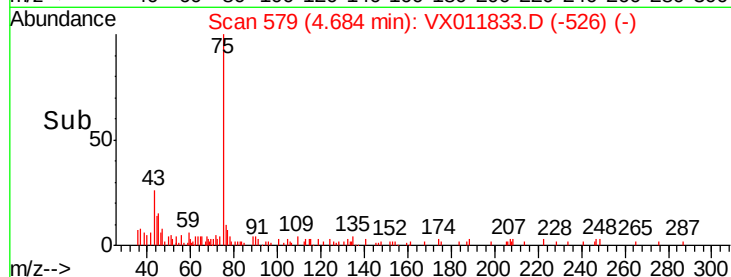
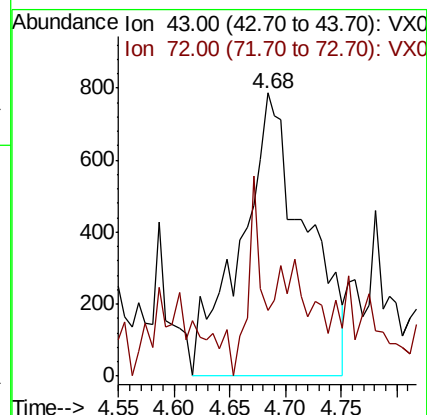
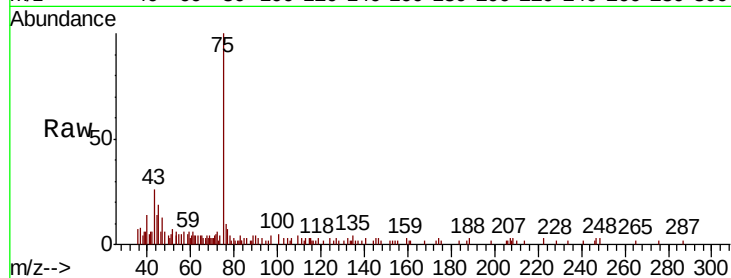
T1-2-K3-(0)

Tgt Ion: 43 Resp: 3171

Ion Ratio Lower Upper

43 100

72 14.1 21.8 32.6#



#33

1,2-Dichloroethane-d4

Concen: 44.240 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX011833.D

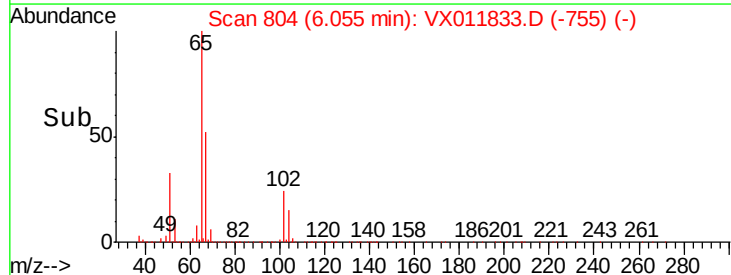
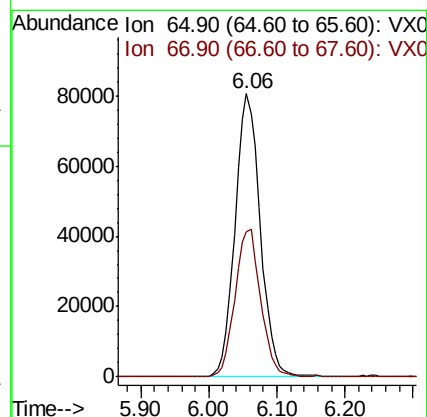
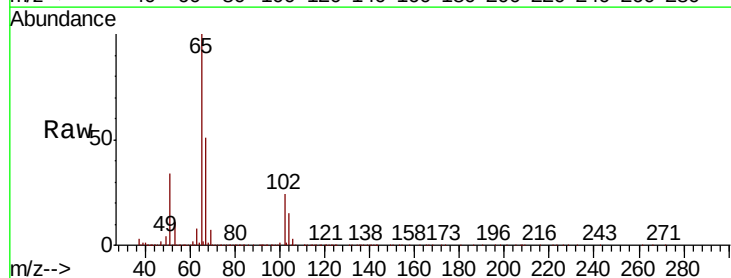
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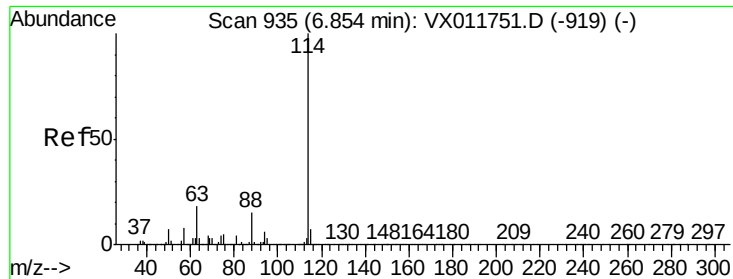
Tgt Ion: 65 Resp: 207735

Ion Ratio Lower Upper

65 100

67 52.5 0.0 107.8

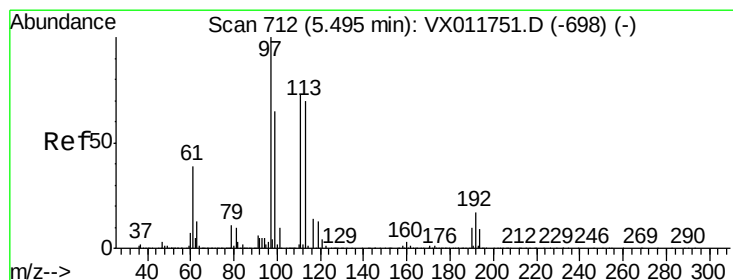
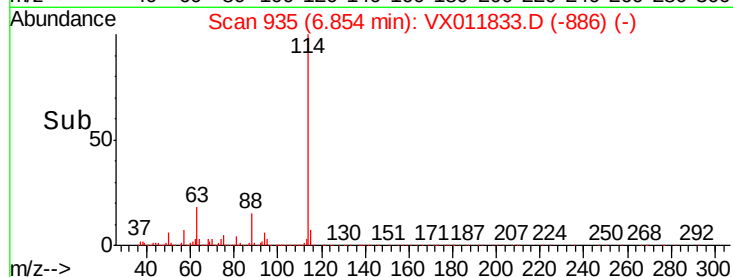
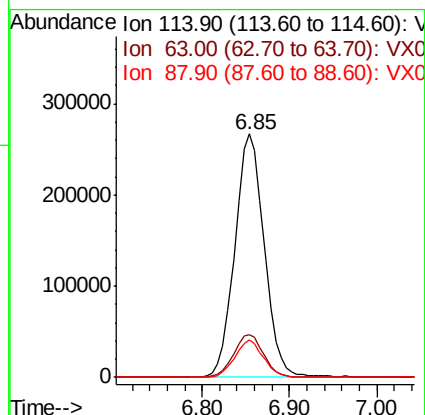
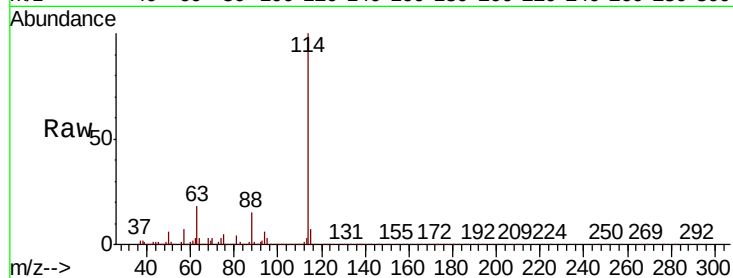




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VX011833.D
 Acq: 24 Aug 2019 20:57

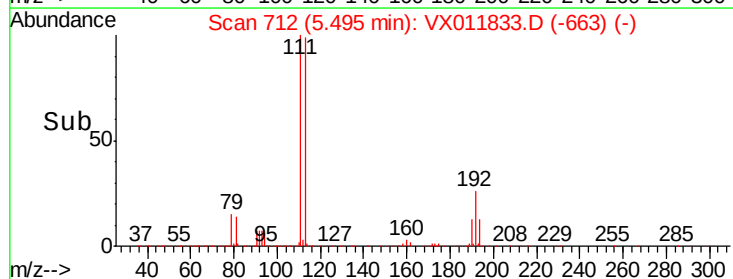
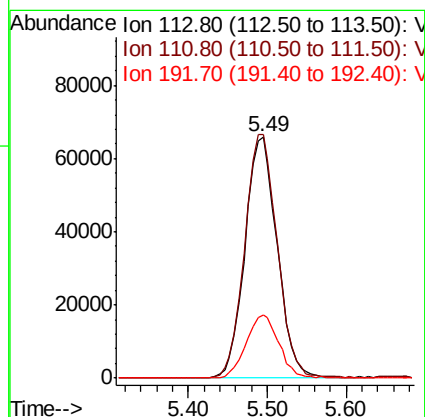
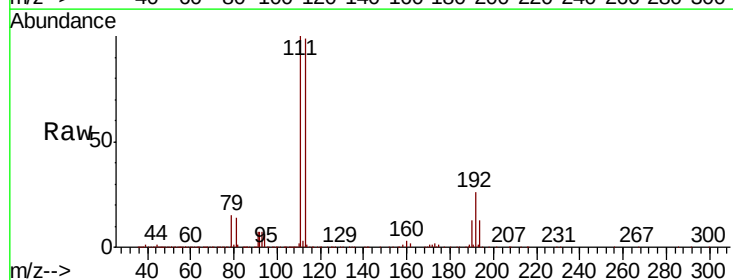
Instrument :
 MSVOA_X
 ClientSampleId :
 T1-2-K3-(0)

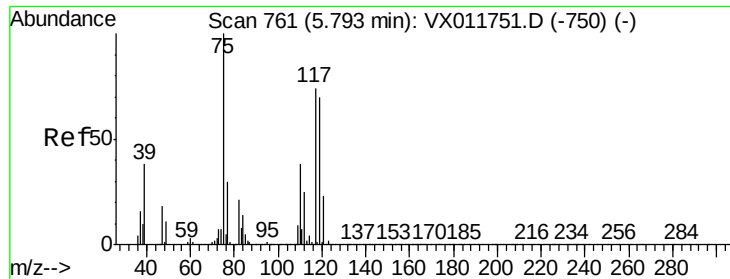
Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	36.8
88	15.2	0.0	30.2



#35
 Dibromofluoromethane
 Concen: 46.194 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX011833.D
 Acq: 24 Aug 2019 20:57

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.0	121.4
192	26.7	19.9	29.9

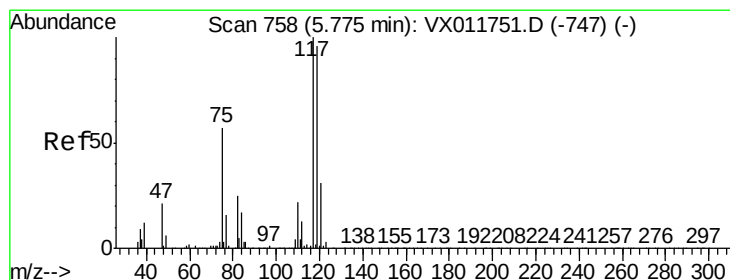
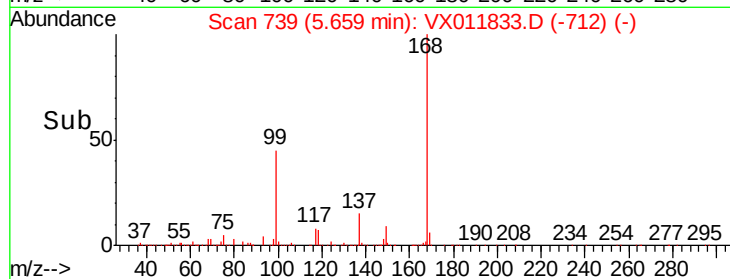
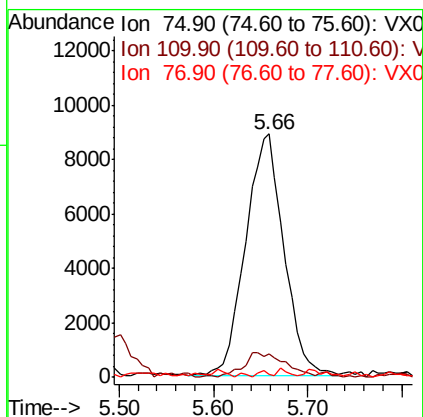
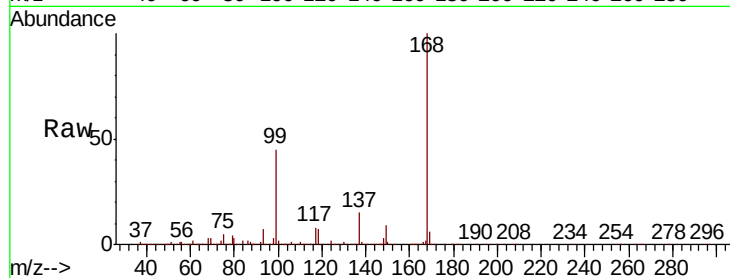




#36
 1,1-Dichloropropene
 Concen: 5.146 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX011833.D
 Acq: 24 Aug 2019 20:57

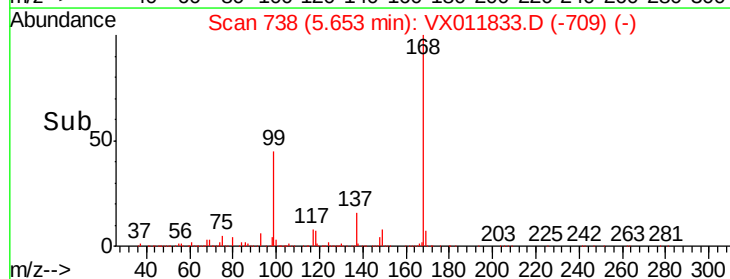
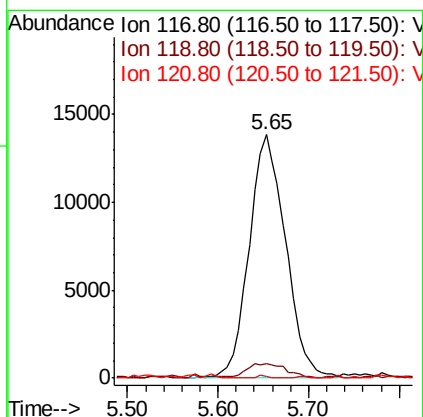
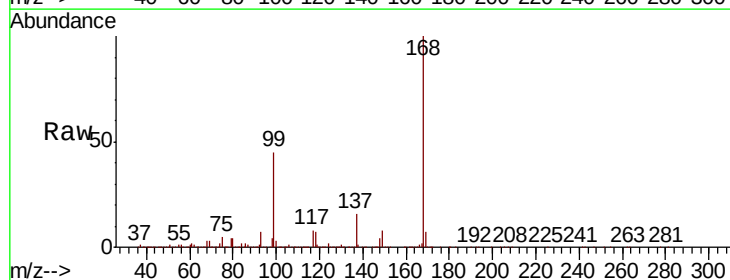
Instrument :
 MSVOA_X
 ClientSampleId :
 T1-2-K3-(0)

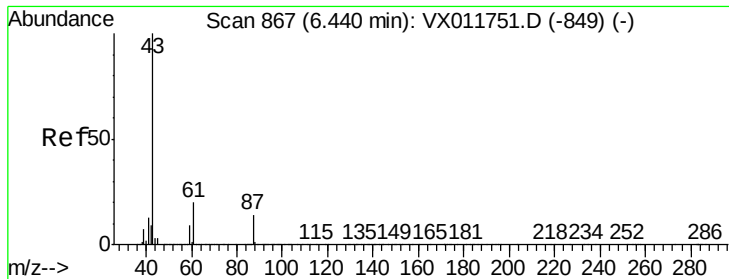
Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.3	19.0	57.0#
77	0.8	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.910 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.12 min
 Lab File: VX011833.D
 Acq: 24 Aug 2019 20:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	76.6	114.8#
121	0.0	25.2	37.8#





#43

Isopropyl Acetate

Concen: 8.386 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.00 min

Lab File: VX011833.D

Acq: 24 Aug 2019 20:57

Instrument :

MSVOA_X

ClientSampleId :

T1-2-K3-(0)

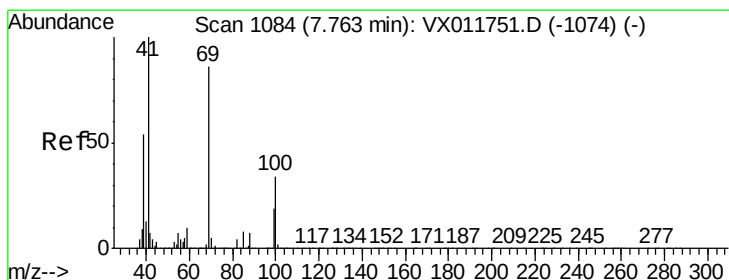
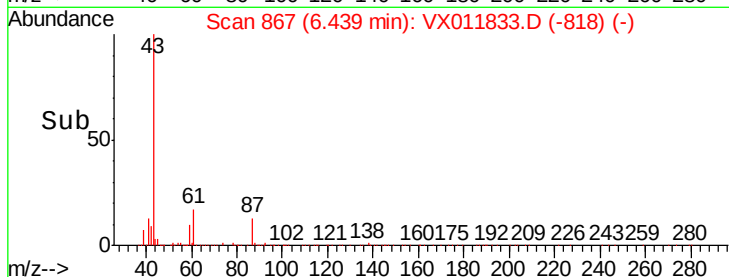
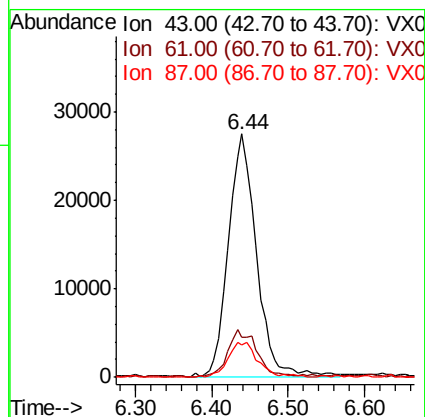
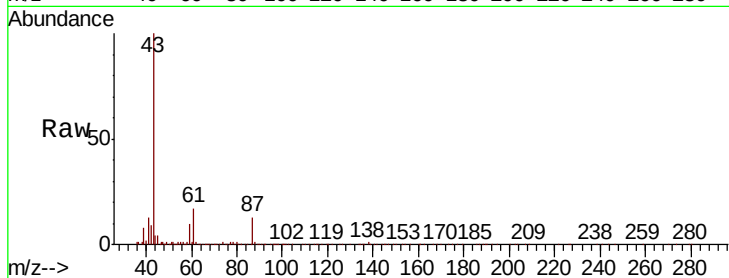
Tgt Ion: 43 Resp: 70579

Ion Ratio Lower Upper

43 100

61 20.4 16.2 24.2

87 15.0 11.6 17.4



#48

Methyl methacrylate

Concen: 0.953 ug/l

RT: 7.68 min Scan# 1070

Delta R.T. -0.09 min

Lab File: VX011833.D

Acq: 24 Aug 2019 20:57

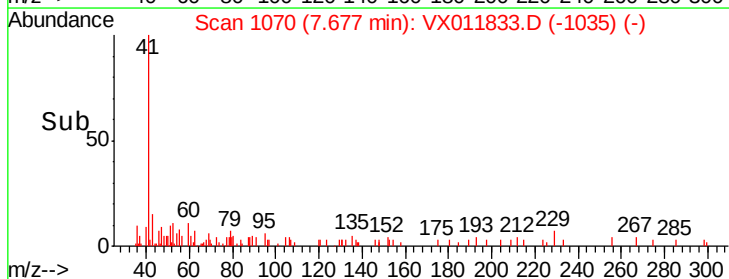
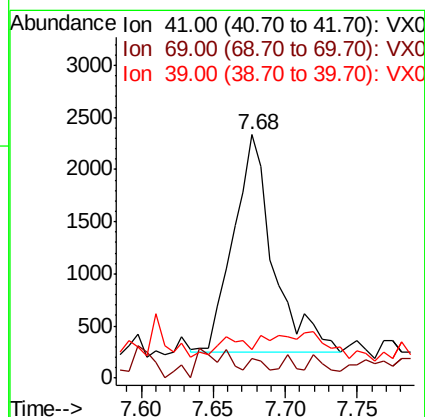
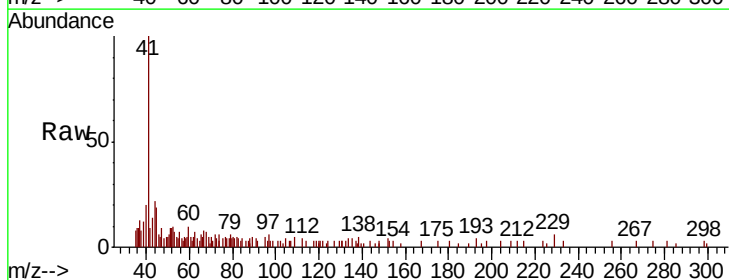
Tgt Ion: 41 Resp: 3993

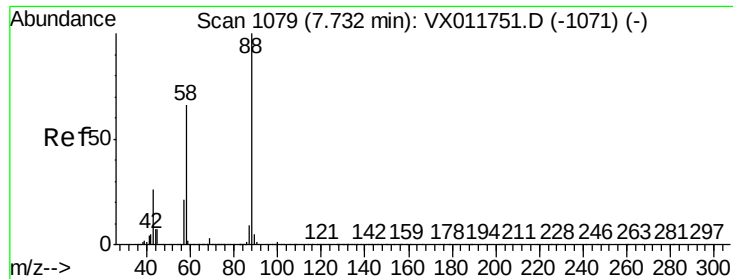
Ion Ratio Lower Upper

41 100

69 1.9 69.4 104.2#

39 0.0 43.6 65.4#

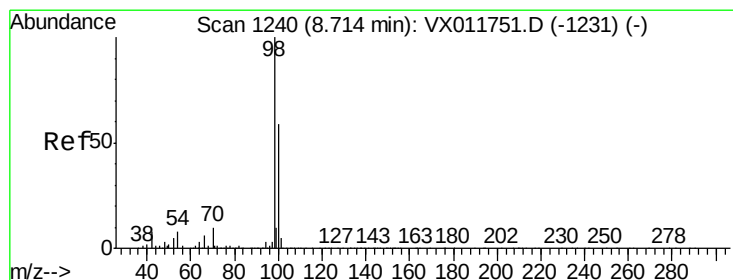
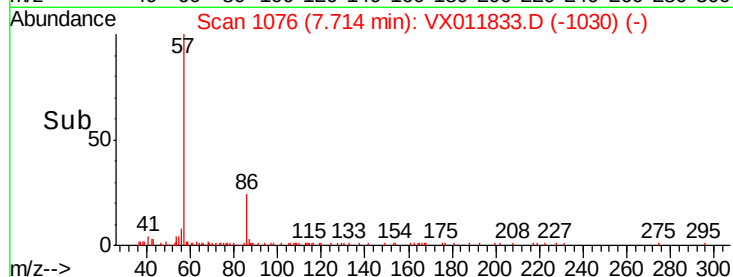
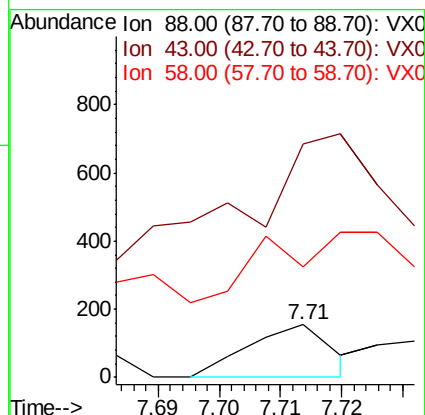
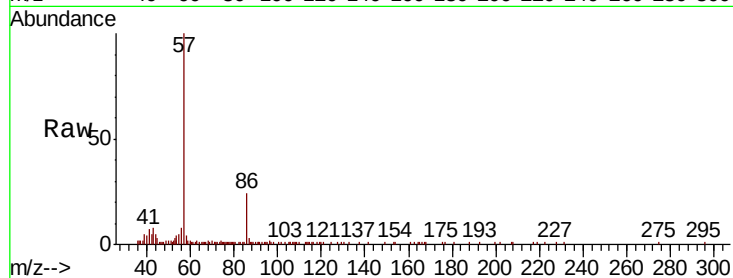




#49
1,4-Dioxane
Concen: 1.258 ug/l
RT: 7.71 min Scan# 1076
Delta R.T. -0.02 min
Lab File: VX011833.D
Acq: 24 Aug 2019 20:57

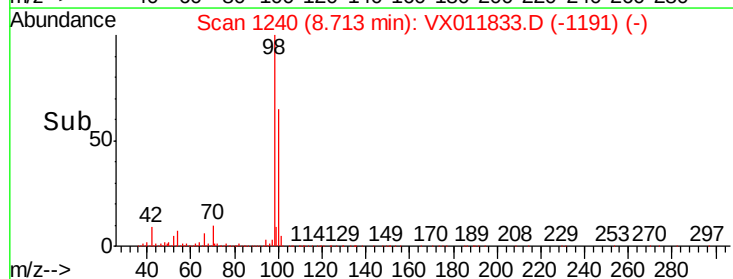
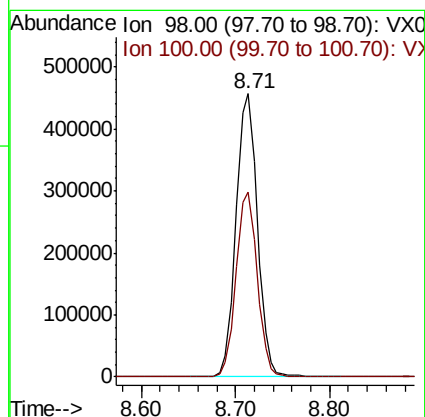
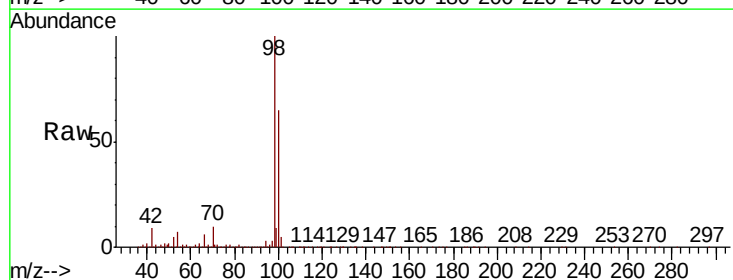
Instrument :
MSVOA_X
ClientSampleId :
T1-2-K3-(0)

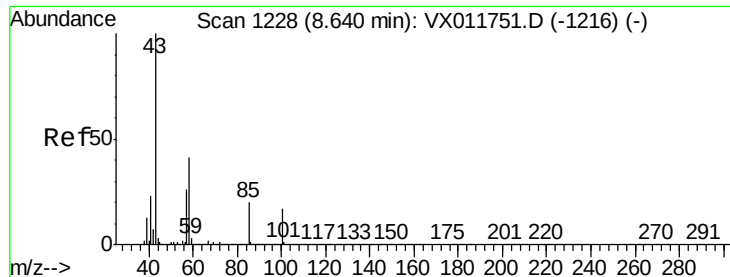
Tgt Ion: 88 Resp: 146
Ion Ratio Lower Upper
88 100
43 0.0 24.6 37.0#
58 266.4 51.4 77.2#



#50
Toluene-d8
Concen: 51.060 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011833.D
Acq: 24 Aug 2019 20:57

Tgt Ion: 98 Resp: 721609
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 11.405 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. -0.03 min

Lab File: VX011833.D

Acq: 24 Aug 2019 20:57

Instrument :

MSVOA_X

ClientSampleId :

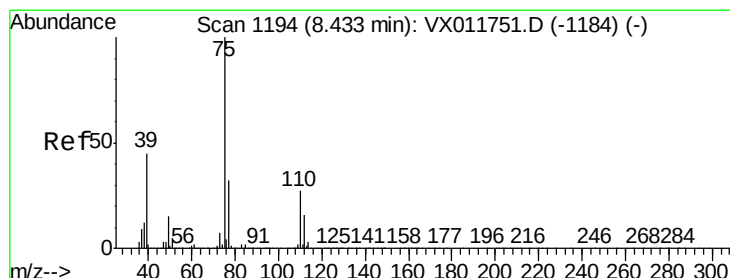
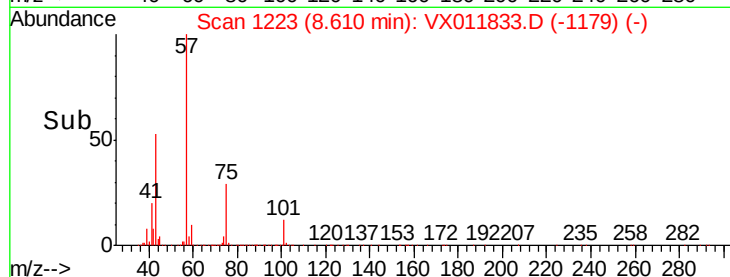
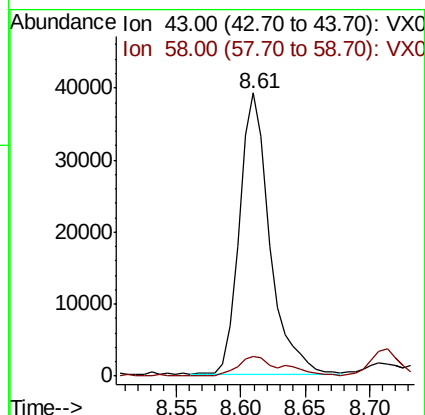
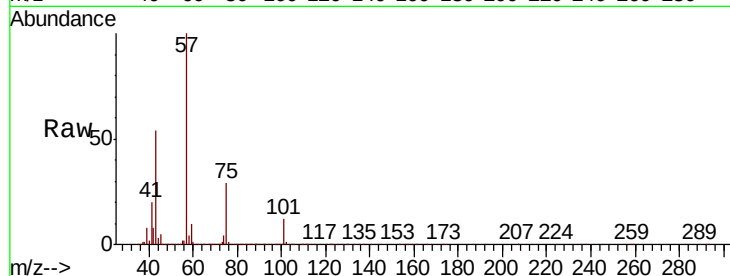
T1-2-K3-(0)

Tgt Ion: 43 Resp: 63244

Ion Ratio Lower Upper

43 100

58 7.0 31.8 47.6#



#54

cis-1,3-Dichloropropene

Concen: 5.540 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. 0.18 min

Lab File: VX011833.D

Acq: 24 Aug 2019 20:57

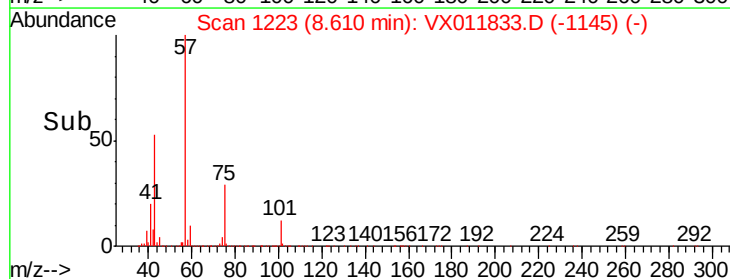
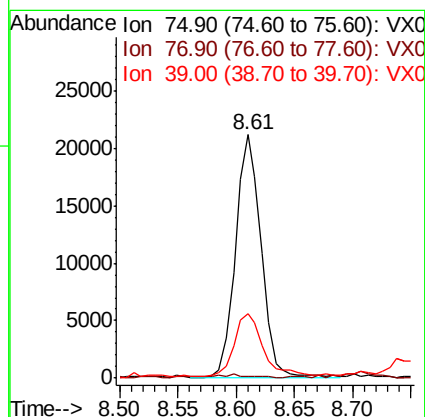
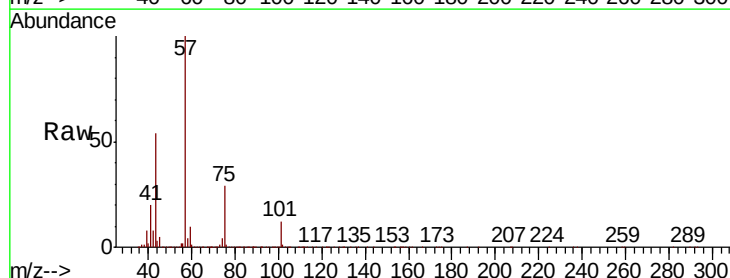
Tgt Ion: 75 Resp: 32171

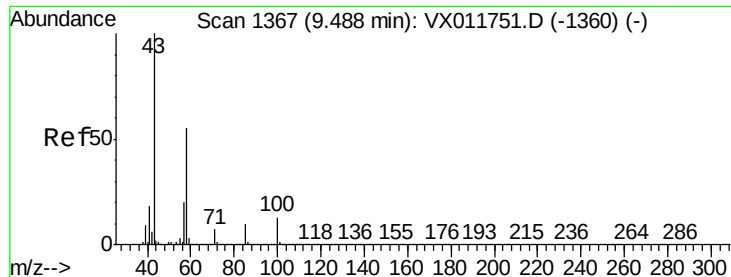
Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#

39 25.7 36.2 54.4#

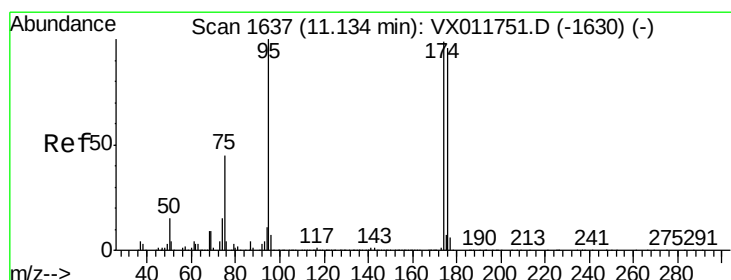
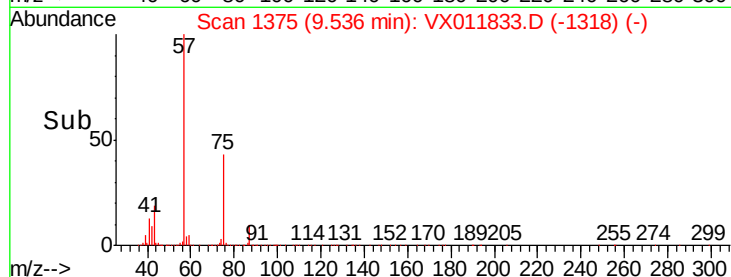
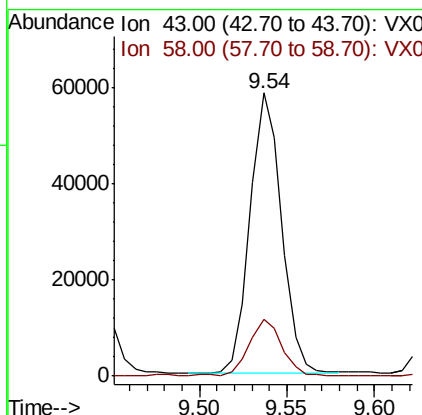
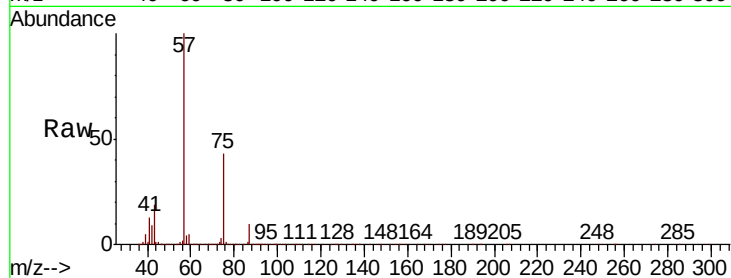




#59
2-Hexanone
Concen: 17.281 ug/l
RT: 9.54 min Scan# 1375
Delta R.T. 0.05 min
Lab File: VX011833.D
Acq: 24 Aug 2019 20:57

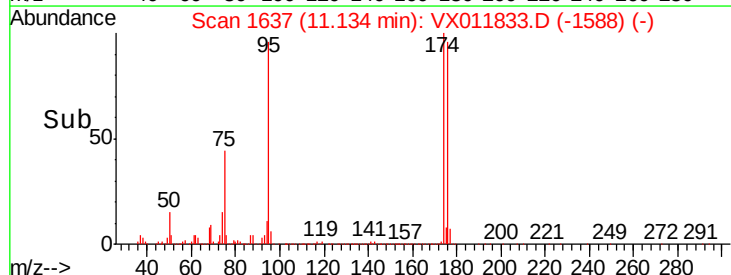
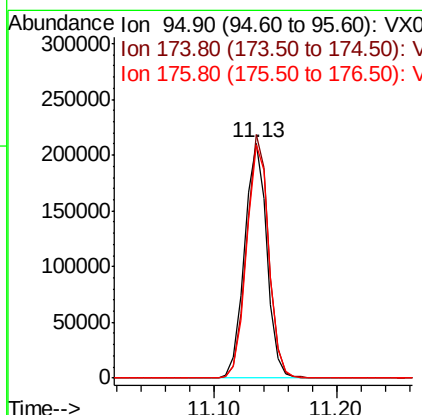
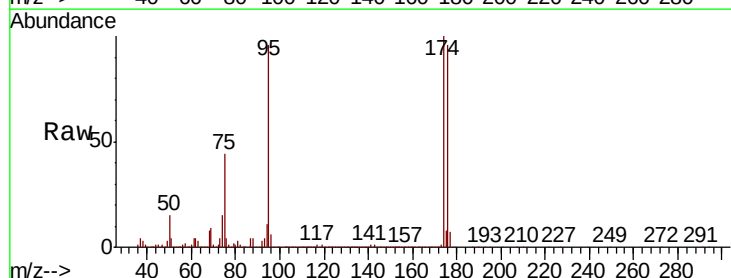
Instrument :
MSVOA_X
ClientSampleId :
T1-2-K3-(0)

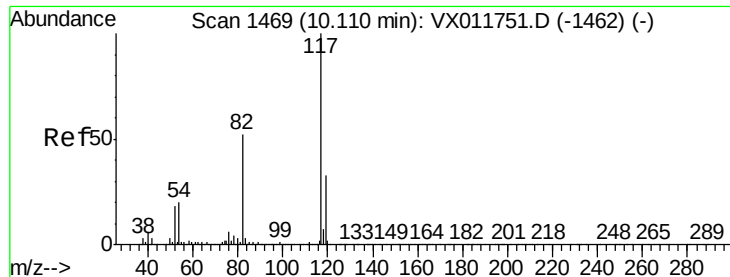
Tgt Ion: 43 Resp: 73554
Ion Ratio Lower Upper
43 100
58 21.1 27.7 83.1#



#62
4-Bromofluorobenzene
Concen: 47.404 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011833.D
Acq: 24 Aug 2019 20:57

Tgt Ion: 95 Resp: 264802
Ion Ratio Lower Upper
95 100
174 103.5 0.0 197.4
176 100.6 0.0 194.4

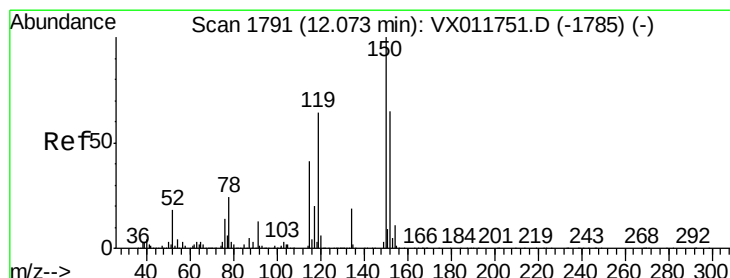
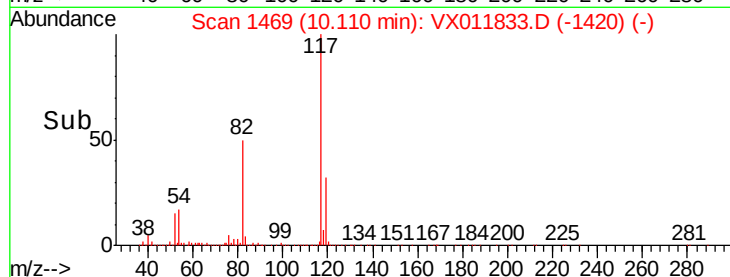
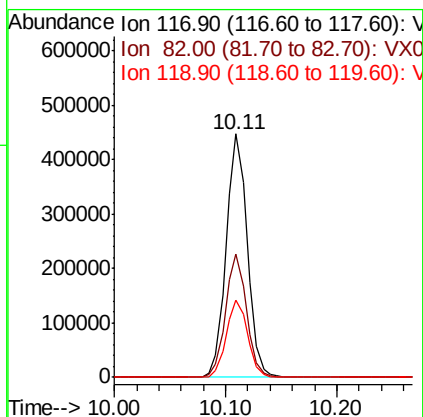
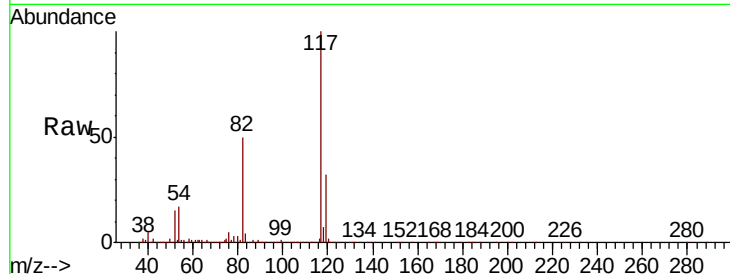




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011833.D
Acq: 24 Aug 2019 20:57

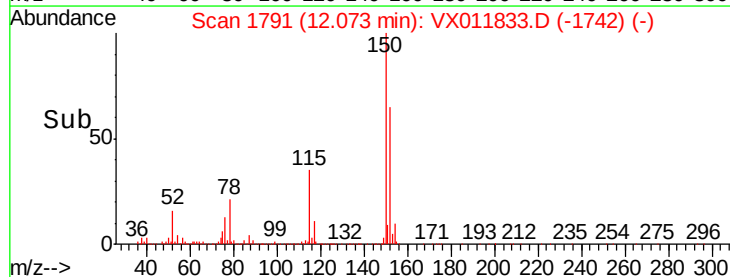
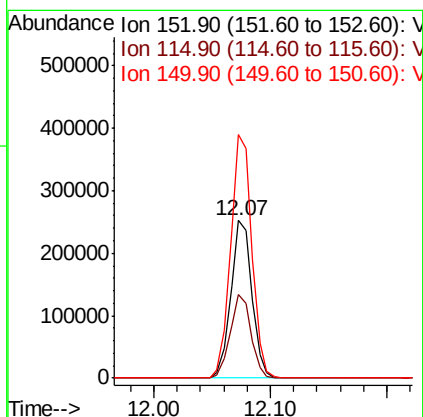
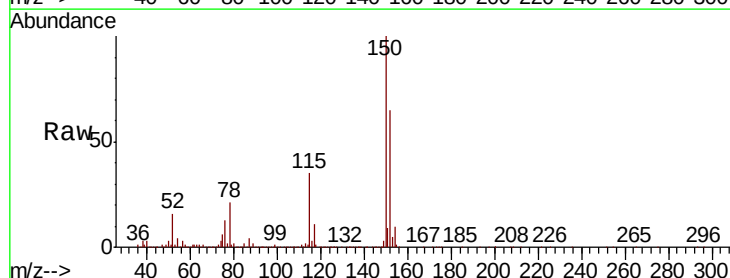
Instrument :
MSVOA_X
ClientSampleId :
T1-2-K3-(0)

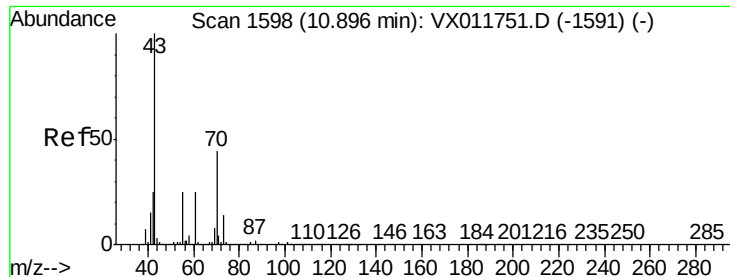
Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.4	41.7	62.5
119	32.0	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX011833.D
Acq: 24 Aug 2019 20:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.7	37.3	111.8
150	155.2	0.0	343.0





#74

N-ethyl acetate

Concen: 0.448 ug/l

RT: 10.82 min Scan# 1586

Delta R.T. -0.07 min

Lab File: VX011833.D

Acq: 24 Aug 2019 20:57

Instrument :

MSVOA_X

ClientSampled :

T1-2-K3-(0)

Tgt Ion: 43 Resp: 3318

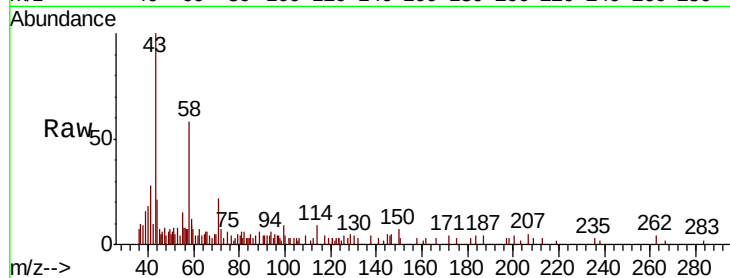
Ion Ratio Lower Upper

43 100

70 0.0 34.8 52.2#

55 12.0 19.5 29.3#

61 11.8 19.8 29.6#

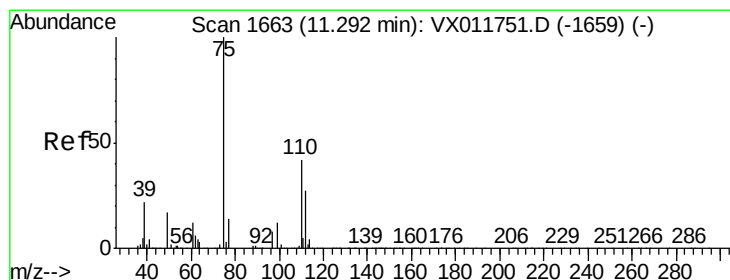
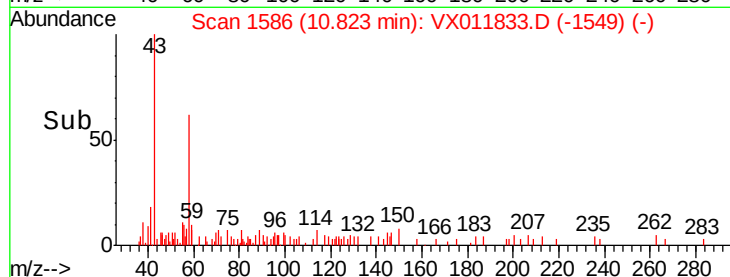
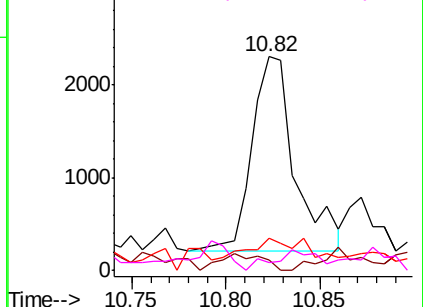


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 21.570 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011833.D

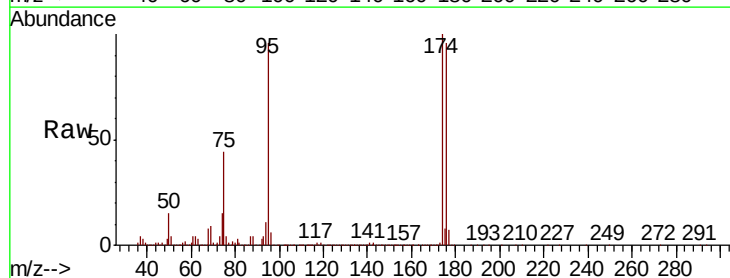
Acq: 24 Aug 2019 20:57

Tgt Ion: 75 Resp: 120253

Ion Ratio Lower Upper

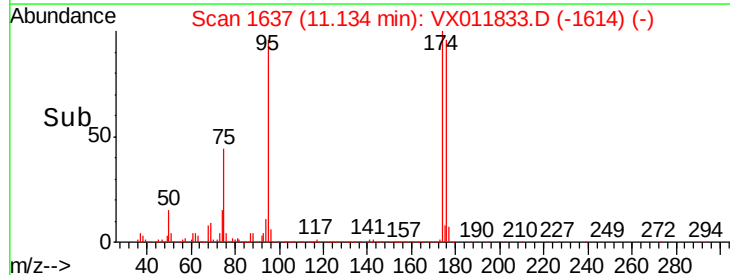
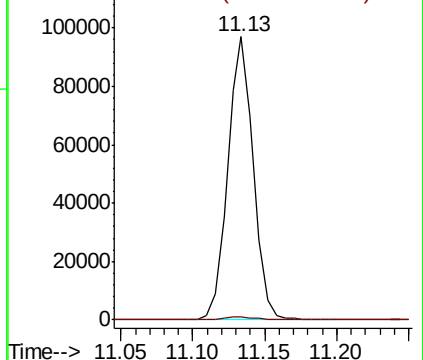
75 100

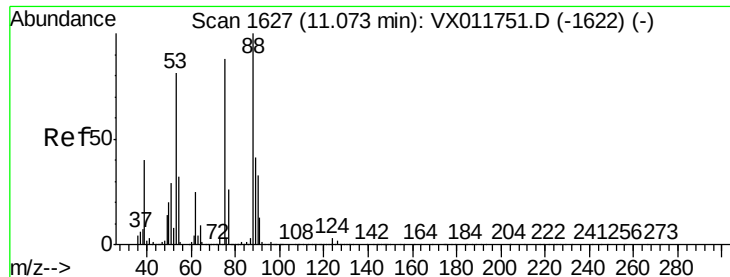
77 1.4 21.1 63.3#



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: 65.051 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011833.D

Acq: 24 Aug 2019 20:57

Instrument :

MSVOA_X

ClientSampleId :

T1-2-K3-(0)

Tgt Ion: 75 Resp: 120253

Ion Ratio Lower Upper

75 100

53 0.0 77.1 115.7#

89 0.0 38.5 57.7#

