

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082419\
 Data File : VX011829.D
 Acq On : 24 Aug 2019 19:23
 Operator : JC/SP
 Sample : K4474-30
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-2-K1-(0)

Quant Time: Aug 26 04:12:04 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	453908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	620442	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	576128	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	315848	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	203110	44.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.08%	
35) Dibromofluoromethane	5.49	113	185071	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	
50) Toluene-d8	8.71	98	706207	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
62) 4-Bromofluorobenzene	11.13	95	261454	47.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.54%	

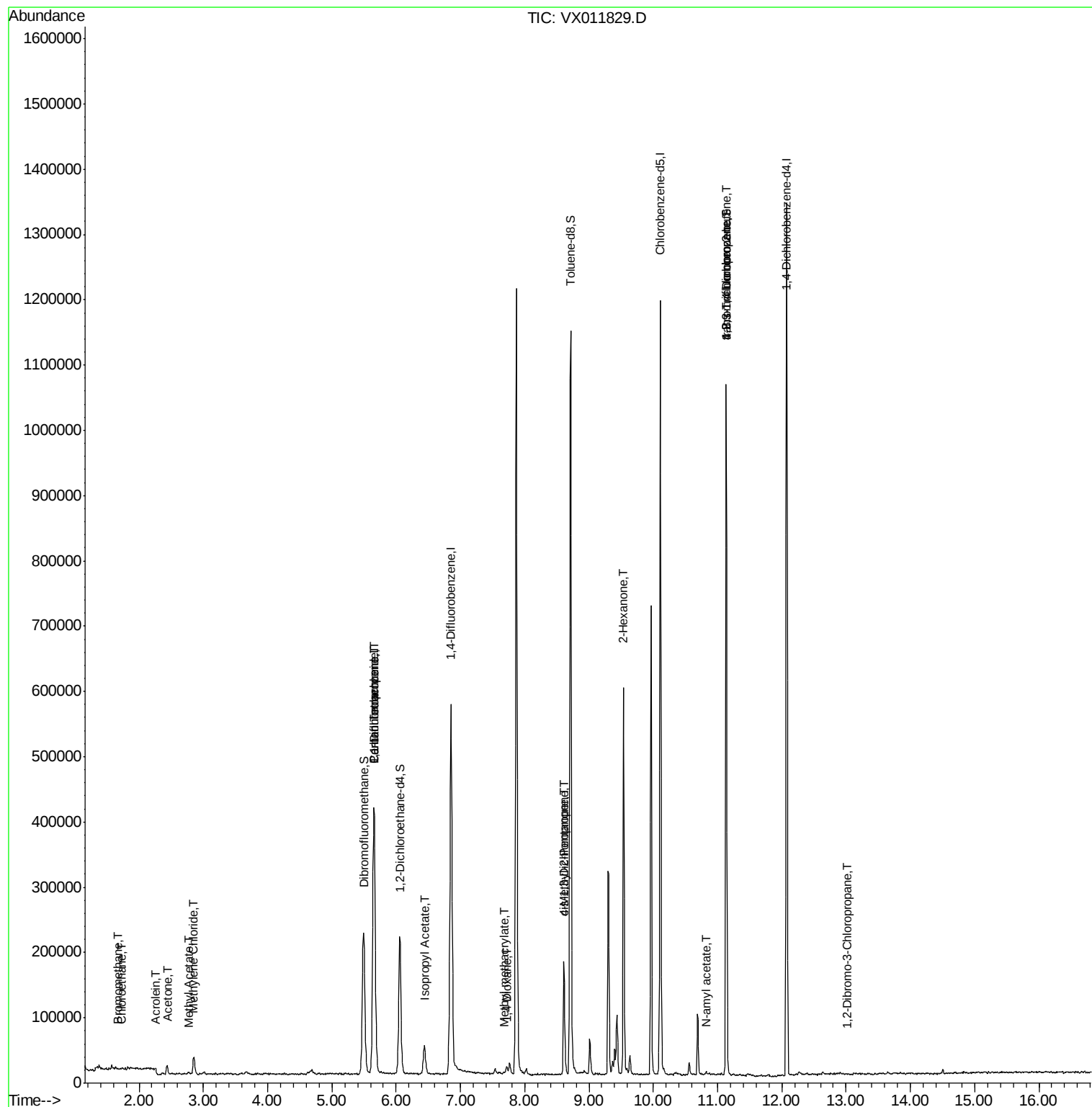
Target Compounds						Qvalue
5) Bromomethane	1.66	94	824	0.403	ug/l #	41
6) Chloroethane	1.73	64	460	0.212	ug/l #	85
13) Acrolein	2.25	56	182	0.523	ug/l #	50
16) Acetone	2.43	43	14274	7.196	ug/l	99
18) Methyl Acetate	2.78	43	2665	0.495	ug/l #	73
20) Methylene Chloride	2.85	84	14220	3.507	ug/l	95
36) 1,1-Dichloropropene	5.65	75	24074	4.948	ug/l #	53
38) Carbon Tetrachloride	5.66	117	36057	6.539	ug/l #	16
43) Isopropyl Acetate	6.44	43	61808	7.417	ug/l	99
48) Methyl methacrylate	7.68	41	4110	0.991	ug/l #	14
49) 1,4-Dioxane	7.71	88	509	4.430	ug/l #	71
51) 4-Methyl-2-Pentanone	8.61	43	57134	10.405	ug/l #	47
54) cis-1,3-Dichloropropene	8.61	75	28452	4.948	ug/l #	61
59) 2-Hexanone	9.54	43	65246	15.481	ug/l #	52
74) N-amyl acetate	10.82	43	2726	0.370	ug/l #	68
76) 1,2,3-Trichloropropane	11.13	75	119381	21.541	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	119381	64.962	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	13.01	75	447	0.305	ug/l #	8

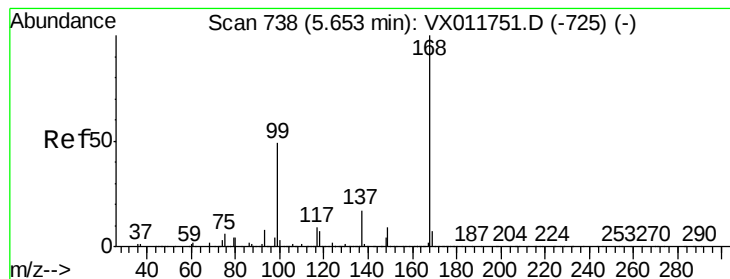
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX082419\
Data File : VX011829.D
Acq On : 24 Aug 2019 19:23
Operator : JC/SP
Sample : K4474-30
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
T1-2-K1-(0)

Quant Time: Aug 26 04:12:04 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
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: VX011829.D

Acq: 24 Aug 2019 19:23

Instrument :

MSVOA_X

ClientSampleId :

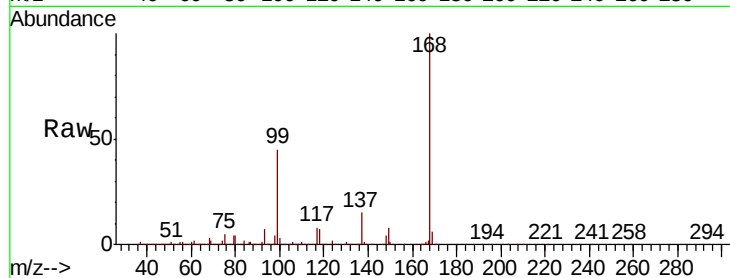
T1-2-K1-(0)

Tgt Ion:168 Resp: 453908

Ion Ratio Lower Upper

168 100

99 45.4 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

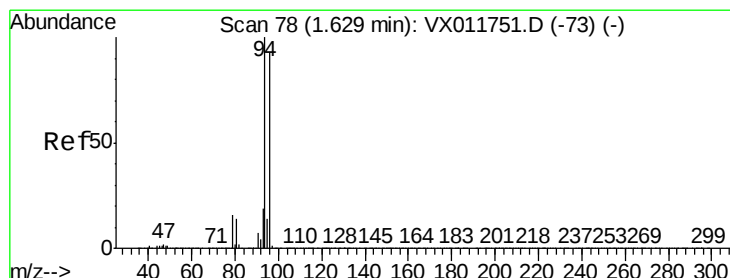
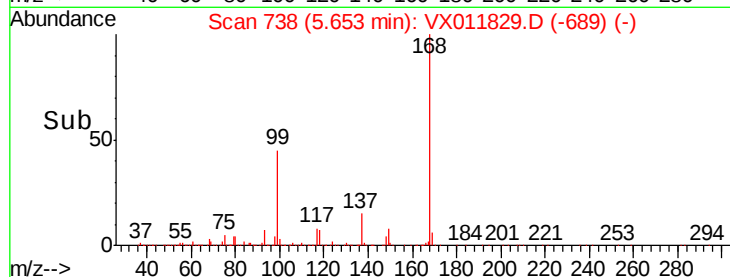
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.403 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.03 min

Lab File: VX011829.D

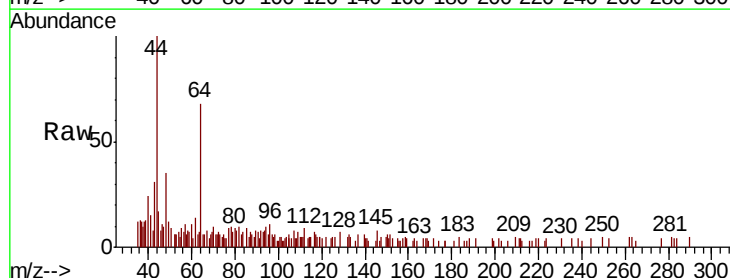
Acq: 24 Aug 2019 19:23

Tgt Ion: 94 Resp: 824

Ion Ratio Lower Upper

94 100

96 36.3 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

300

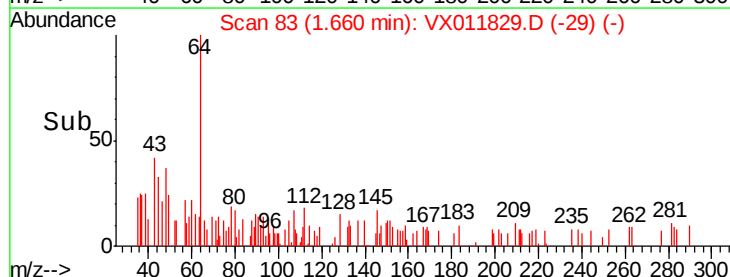
200

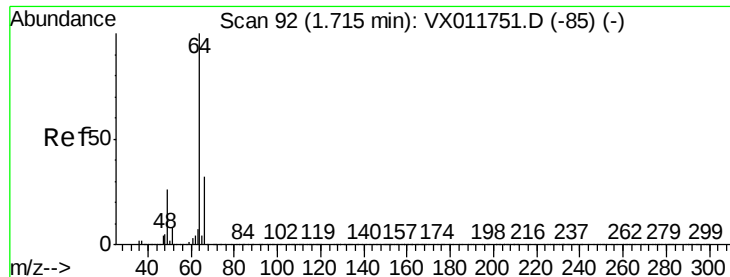
100

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 0.212 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX011829.D

Acq: 24 Aug 2019 19:23

Instrument :

MSVOA_X

ClientSampleId :

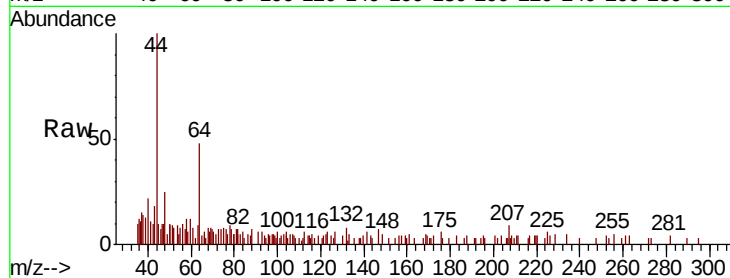
T1-2-K1-(0)

Tgt Ion: 64 Resp: 460

Ion Ratio Lower Upper

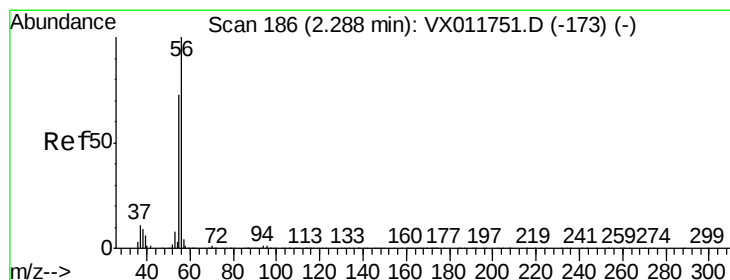
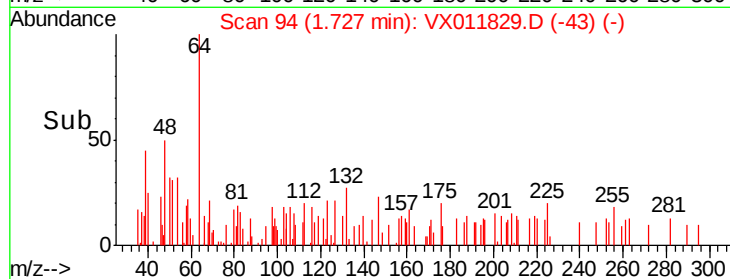
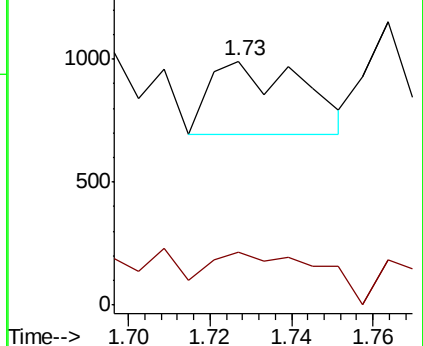
64 100

66 39.5 24.9 37.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#13

Acrolein

Concen: 0.523 ug/l

RT: 2.25 min Scan# 180

Delta R.T. -0.04 min

Lab File: VX011829.D

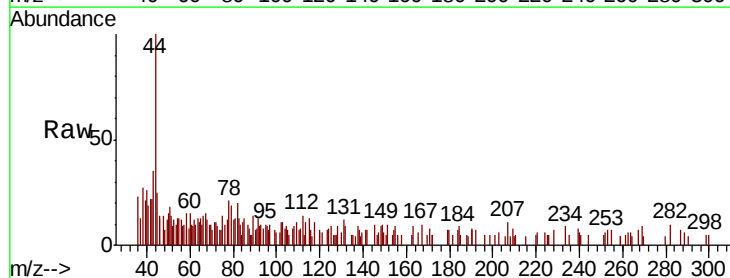
Acq: 24 Aug 2019 19:23

Tgt Ion: 56 Resp: 182

Ion Ratio Lower Upper

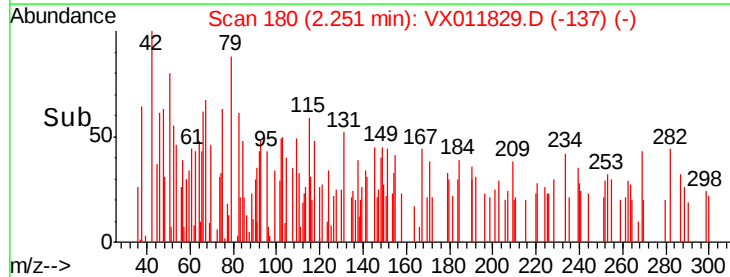
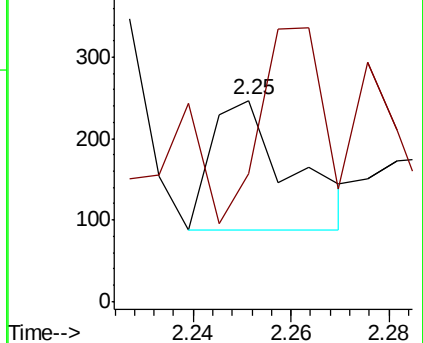
56 100

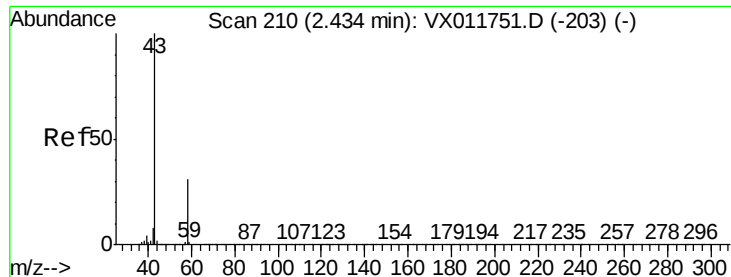
55 108.8 54.8 82.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 7.196 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011829.D

Acq: 24 Aug 2019 19:23

Instrument :

MSVOA_X

ClientSampleId :

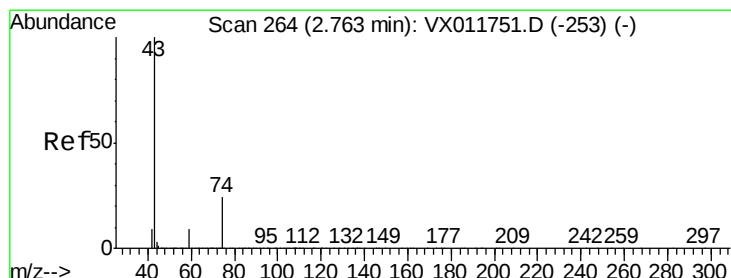
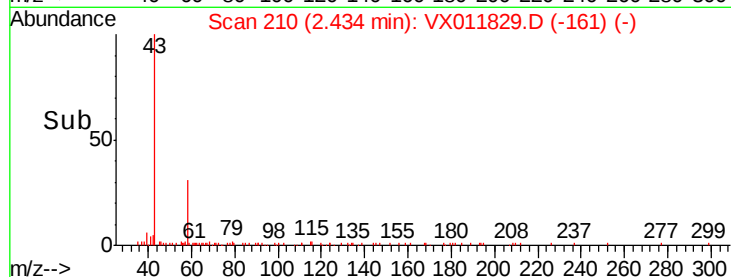
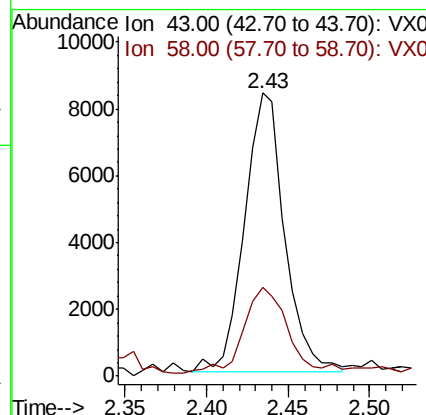
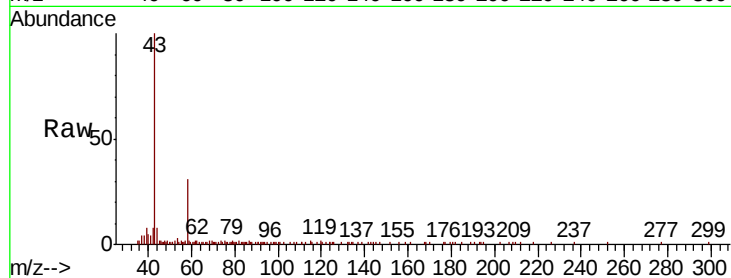
T1-2-K1-(0)

Tgt Ion: 43 Resp: 14274

Ion Ratio Lower Upper

43 100

58 30.1 24.4 36.6



#18

Methyl Acetate

Concen: 0.495 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX011829.D

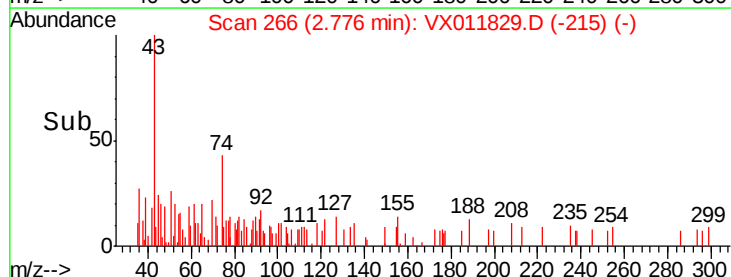
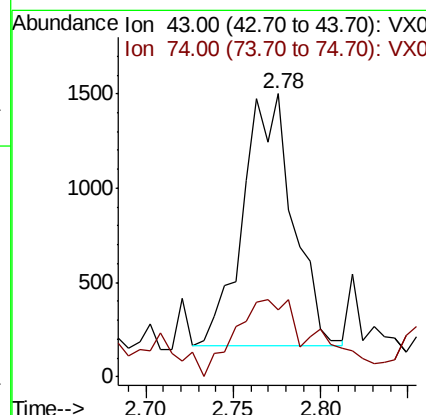
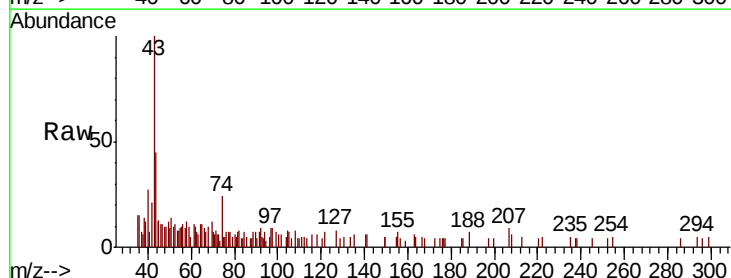
Acq: 24 Aug 2019 19:23

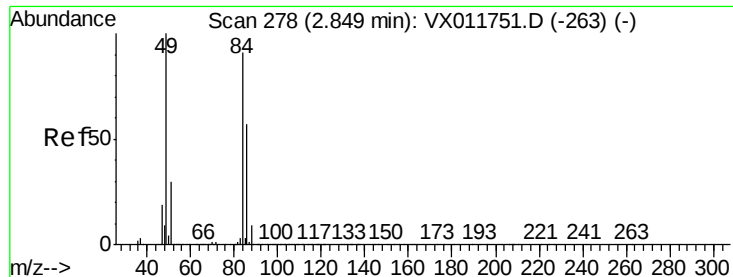
Tgt Ion: 43 Resp: 2665

Ion Ratio Lower Upper

43 100

74 37.8 19.5 29.3#

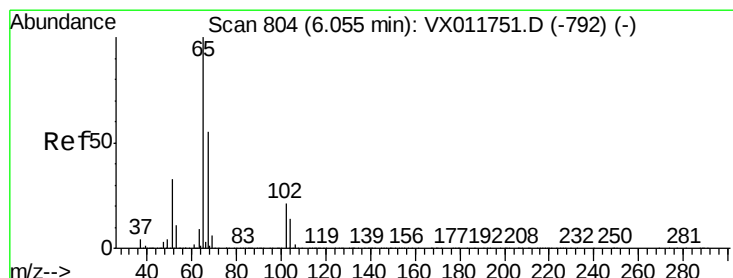
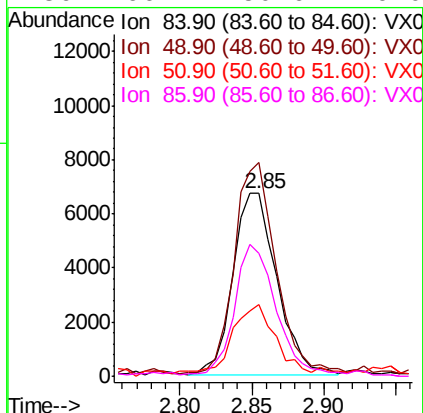
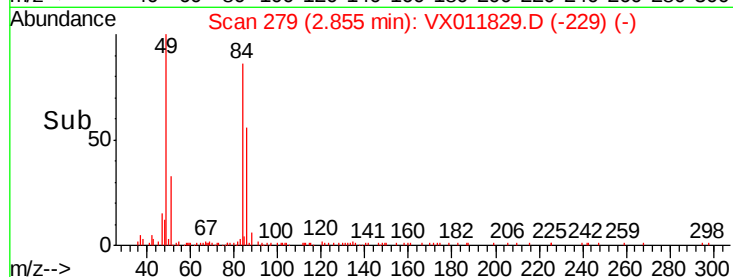
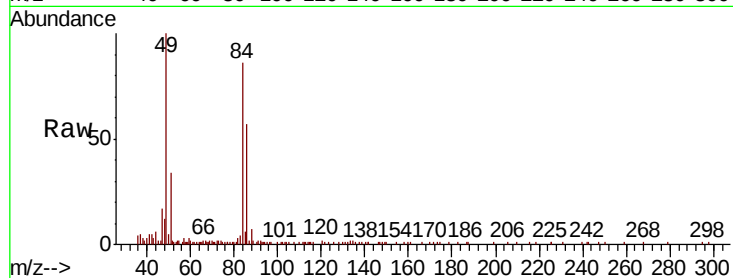




#20
Methylene Chloride
Concen: 3.507 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX011829.D
Acq: 24 Aug 2019 19:23

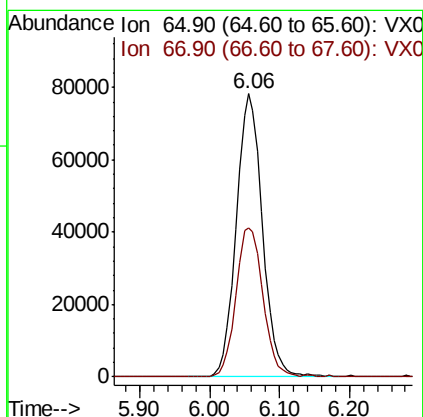
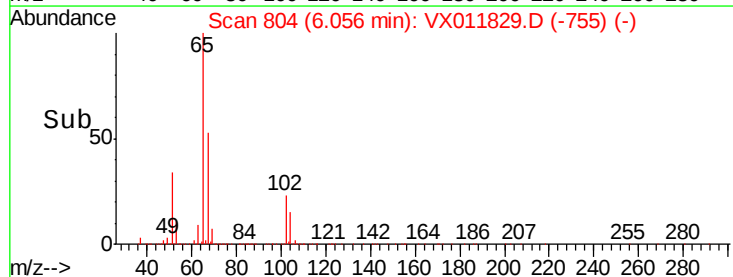
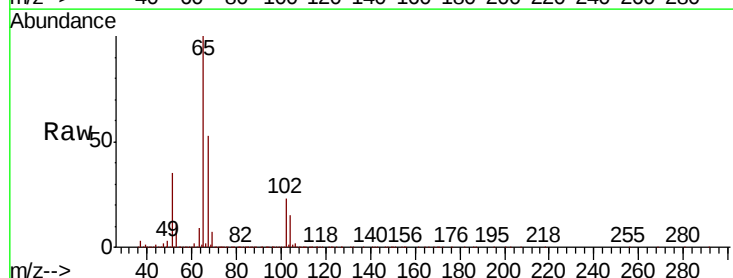
Instrument :
MSVOA_X
ClientSampleId :
T1-2-K1-(0)

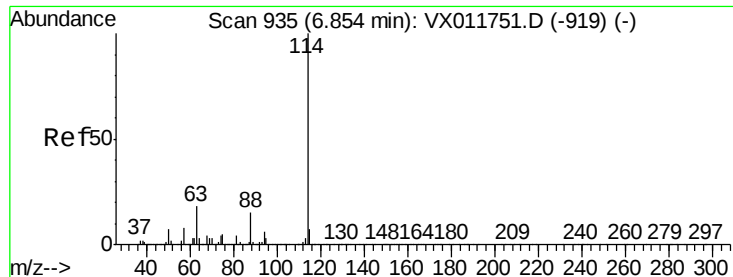
Tgt Ion:	84	Resp:	14220
Ion	Ratio	Lower	Upper
84	100		
49	115.6	88.3	132.5
51	37.1	26.2	39.2
86	66.4	50.6	76.0



#33
1,2-Dichloroethane-d4
Concen: 44.544 ug/l
RT: 6.06 min Scan# 804
Delta R.T. 0.00 min
Lab File: VX011829.D
Acq: 24 Aug 2019 19:23

Tgt Ion:	65	Resp:	203110
Ion	Ratio	Lower	Upper
65	100		
67	54.4	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: VX011829.D

Acq: 24 Aug 2019 19:23

Instrument :

MSVOA_X

ClientSampleId :

T1-2-K1-(0)

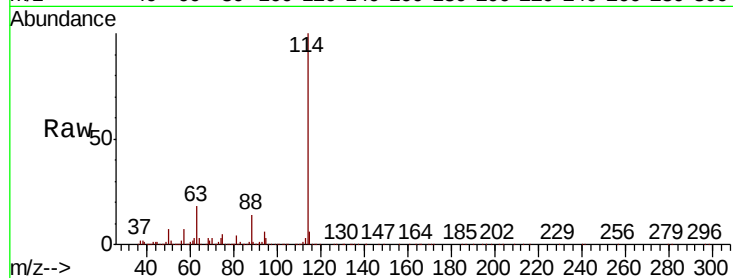
Tgt Ion:114 Resp: 620442

Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.8

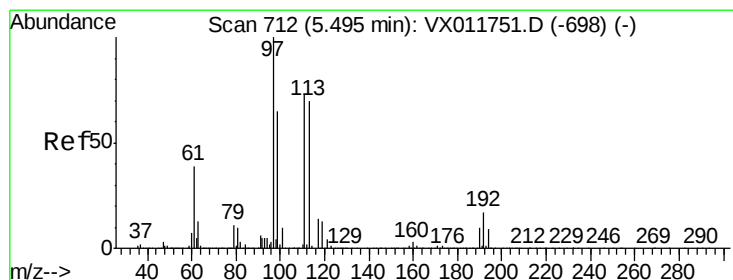
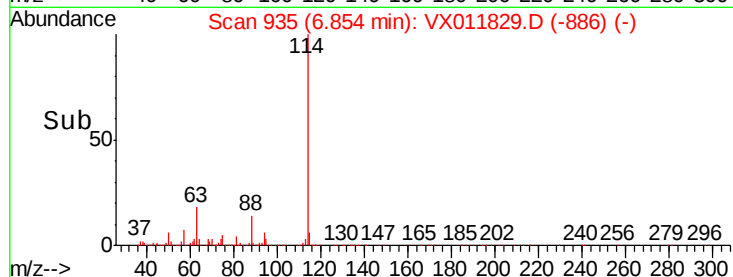
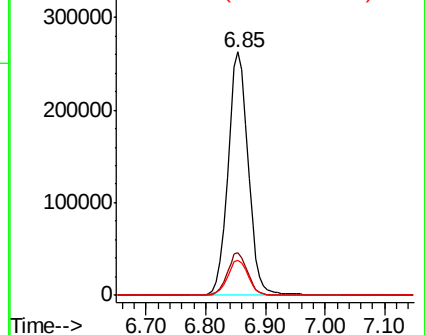
88 14.3 0.0 30.2



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: 46.129 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011829.D

Acq: 24 Aug 2019 19:23

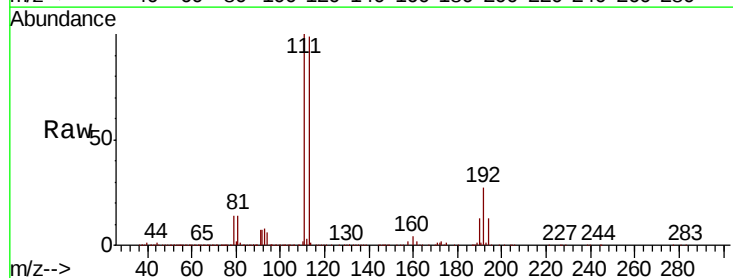
Tgt Ion:113 Resp: 185071

Ion Ratio Lower Upper

113 100

111 101.8 81.0 121.4

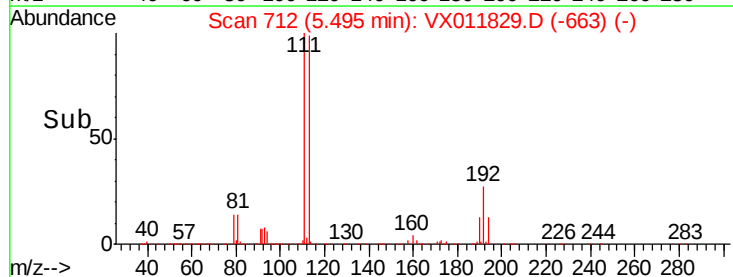
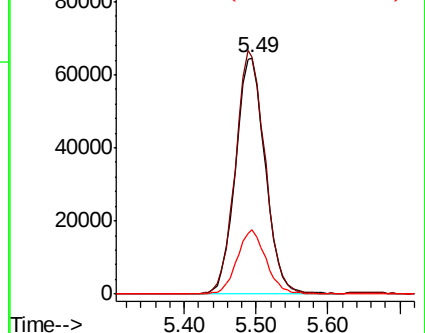
192 26.4 19.9 29.9

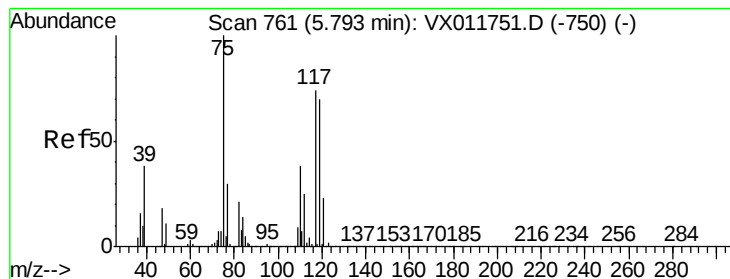


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.948 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.15 min

Lab File: VX011829.D

Acq: 24 Aug 2019 19:23

Instrument :

MSVOA_X

ClientSampleId :

T1-2-K1-(0)

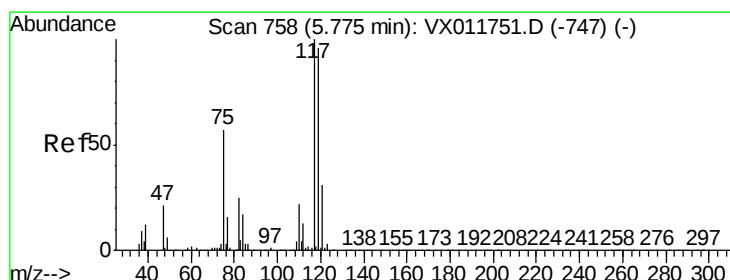
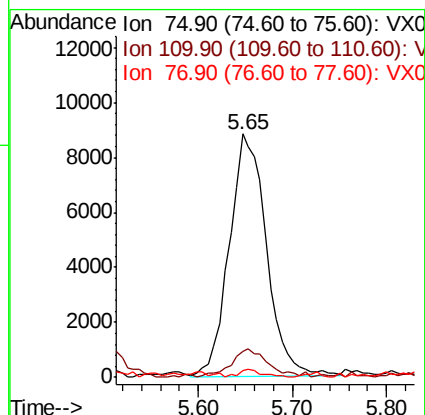
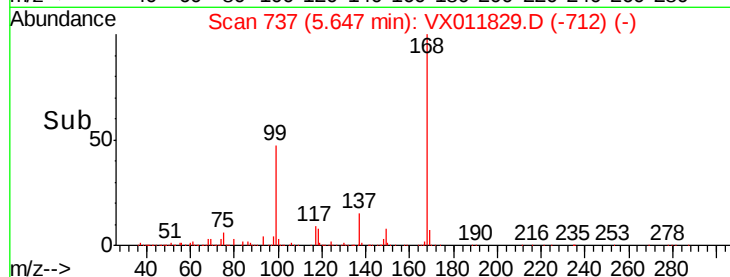
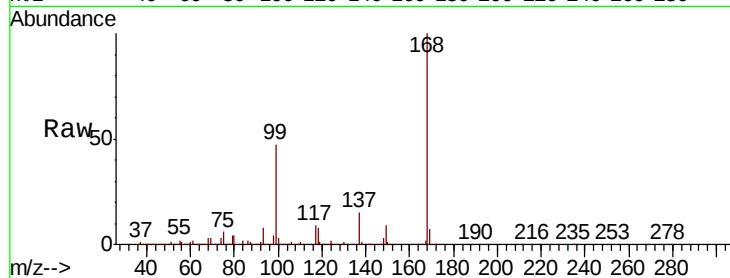
Tgt Ion: 75 Resp: 24074

Ion Ratio Lower Upper

75 100

110 12.3 19.0 57.0#

77 2.2 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.539 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX011829.D

Acq: 24 Aug 2019 19:23

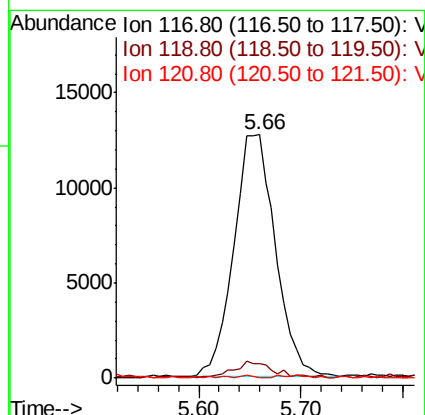
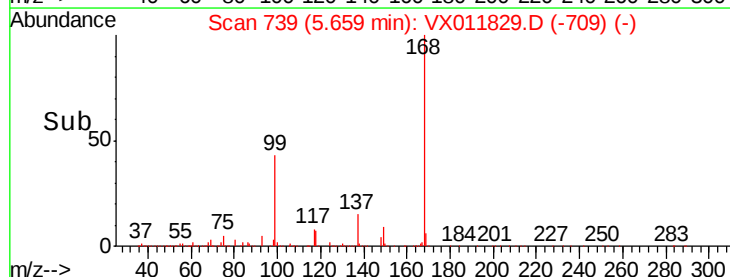
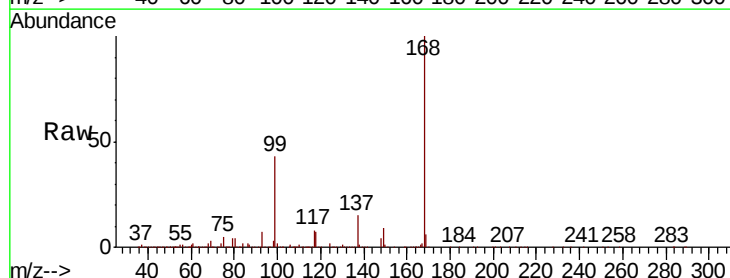
Tgt Ion: 117 Resp: 36057

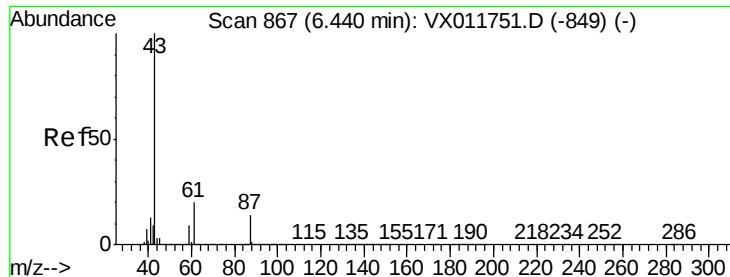
Ion Ratio Lower Upper

117 100

119 5.2 76.6 114.8#

121 0.0 25.2 37.8#





#43

Isopropyl Acetate

Concen: 7.417 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.00 min

Lab File: VX011829.D

Acq: 24 Aug 2019 19:23

Instrument :

MSVOA_X

ClientSampleId :

T1-2-K1-(0)

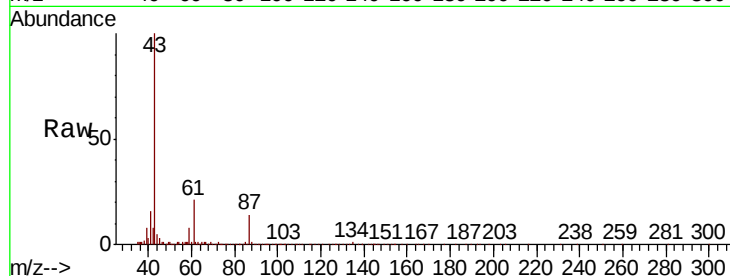
Tgt Ion: 43 Resp: 61808

Ion Ratio Lower Upper

43 100

61 20.0 16.2 24.2

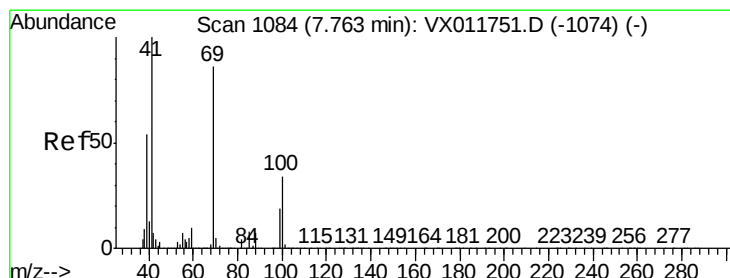
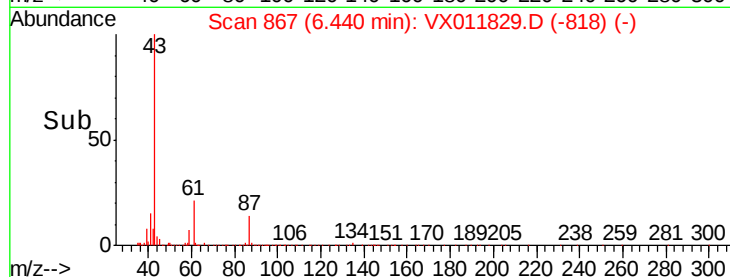
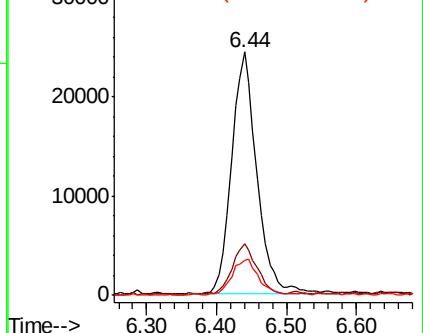
87 15.0 11.6 17.4



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: 0.991 ug/l

RT: 7.68 min Scan# 1070

Delta R.T. -0.09 min

Lab File: VX011829.D

Acq: 24 Aug 2019 19:23

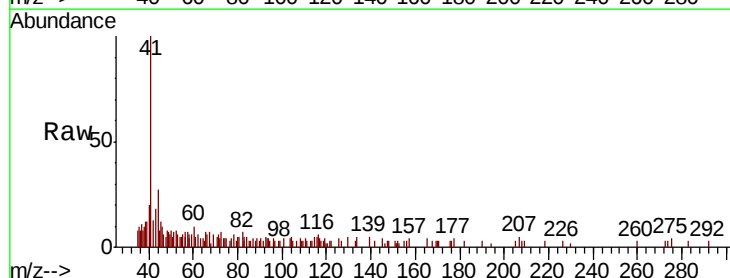
Tgt Ion: 41 Resp: 4110

Ion Ratio Lower Upper

41 100

69 1.7 69.4 104.2#

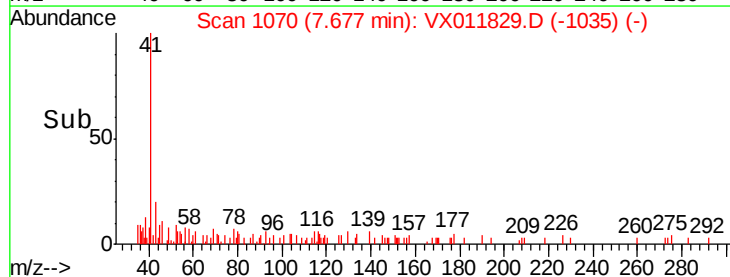
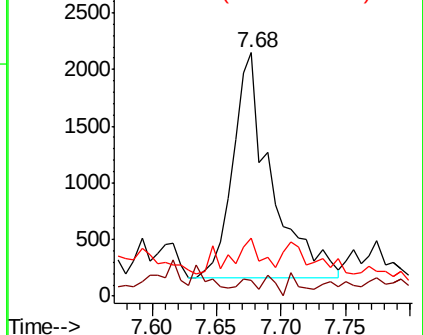
39 0.0 43.6 65.4#

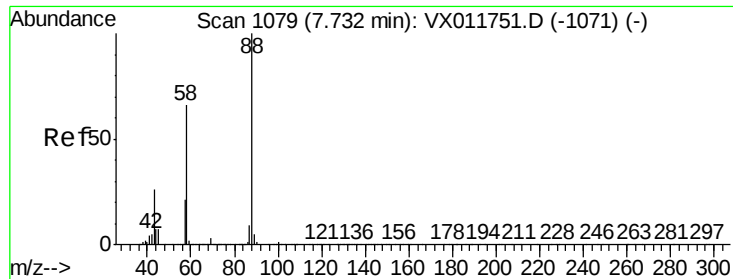


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

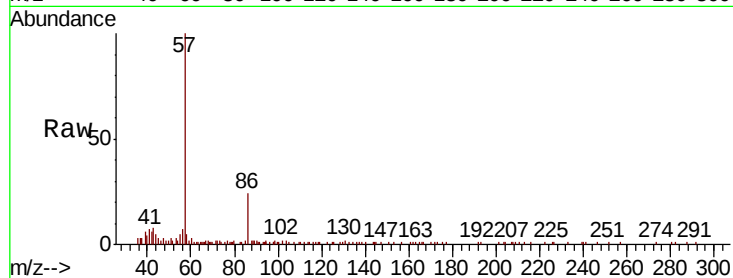




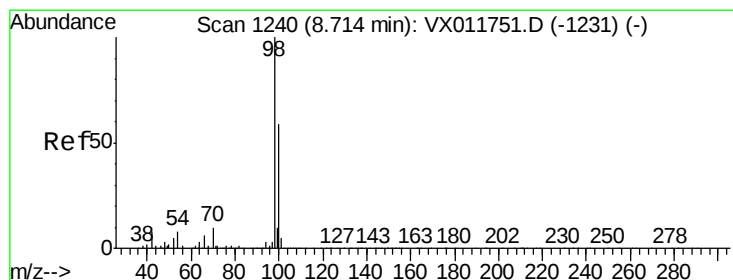
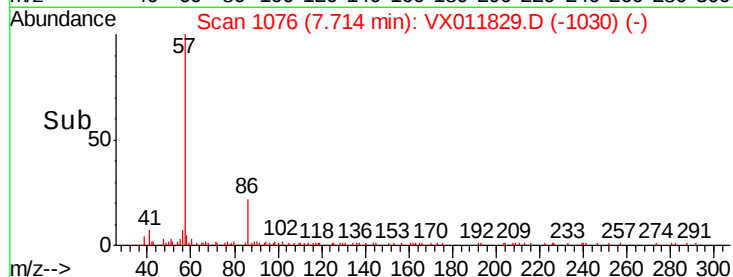
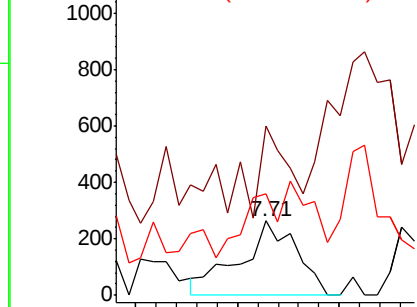
#49
1,4-Dioxane
Concen: 4.430 ug/l
RT: 7.71 min Scan# 1076
Delta R.T. -0.02 min
Lab File: VX011829.D
Acq: 24 Aug 2019 19:23

Instrument :
MSVOA_X
ClientSampled :
T1-2-K1-(0)

Tgt Ion: 88 Resp: 509
Ion Ratio Lower Upper
88 100
43 0.0 24.6 37.0#
58 51.5 51.4 77.2

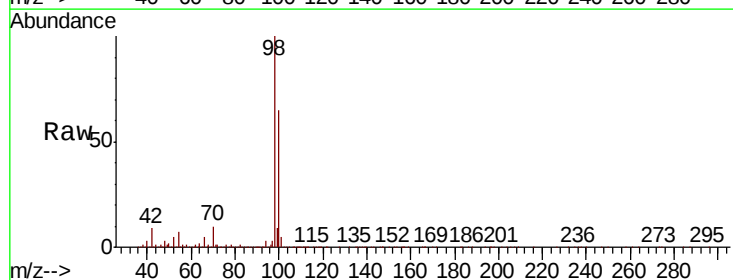


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

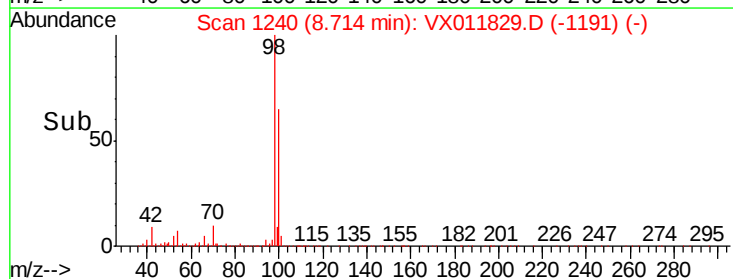
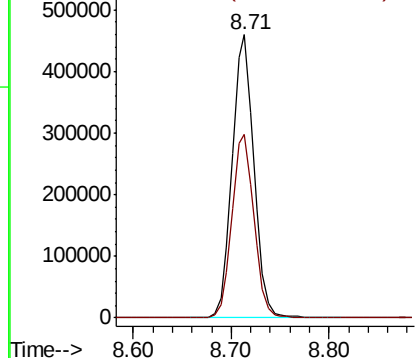


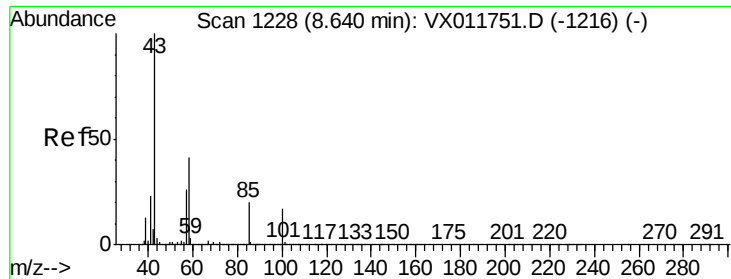
#50
Toluene-d8
Concen: 50.465 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011829.D
Acq: 24 Aug 2019 19:23

Tgt Ion: 98 Resp: 706207
Ion Ratio Lower Upper
98 100
100 65.7 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

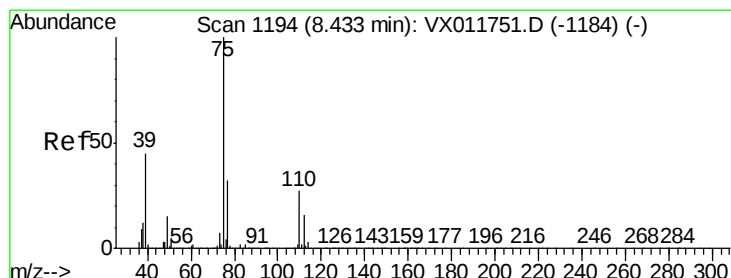
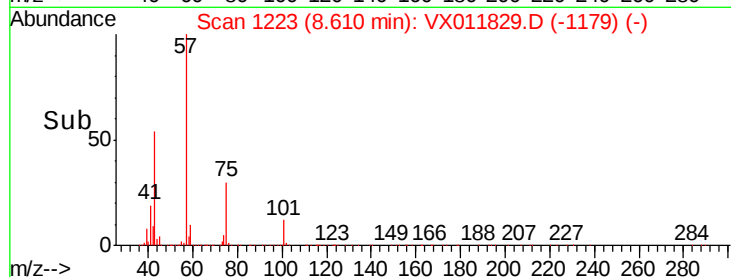
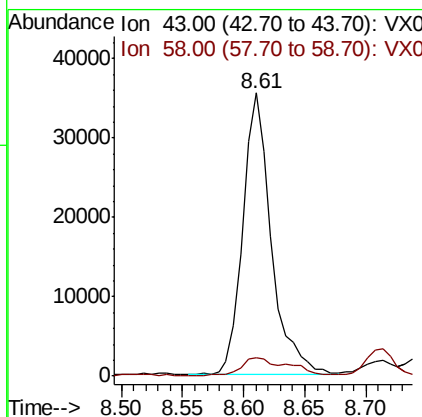
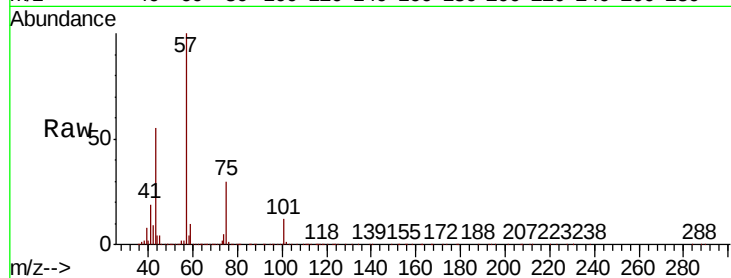




#51
 4-Methyl-2-Pentanone
 Concen: 10.405 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. -0.03 min
 Lab File: VX011829.D
 Acq: 24 Aug 2019 19:23

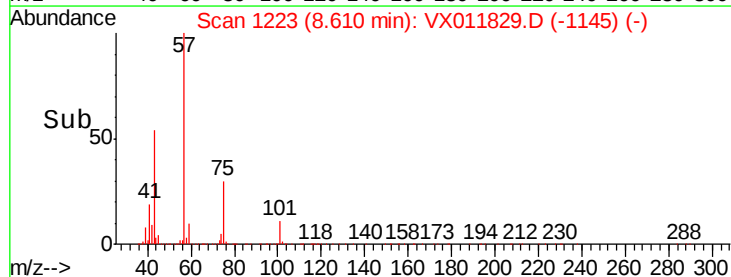
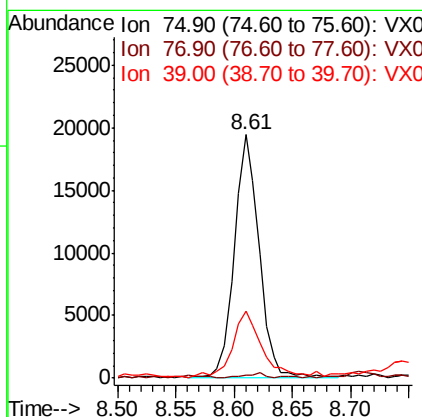
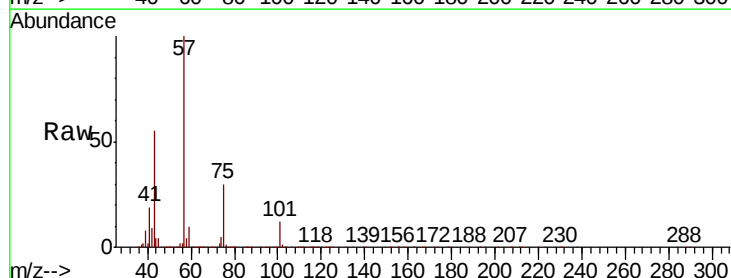
Instrument :
 MSVOA_X
 ClientSampleId :
 T1-2-K1-(0)

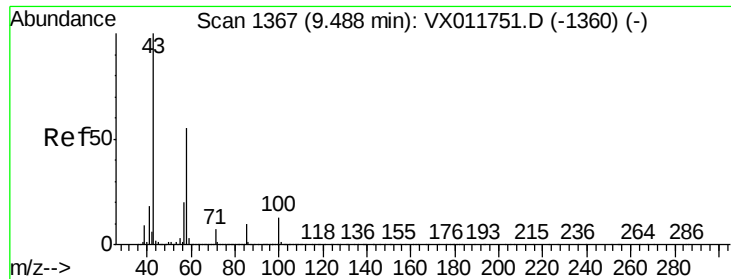
Tgt Ion: 43 Resp: 57134
 Ion Ratio Lower Upper
 43 100
 58 7.1 31.8 47.6#



#54
 cis-1,3-Dichloropropene
 Concen: 4.948 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. 0.18 min
 Lab File: VX011829.D
 Acq: 24 Aug 2019 19:23

Tgt Ion: 75 Resp: 28452
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.4 38.2#
 39 27.7 36.2 54.4#

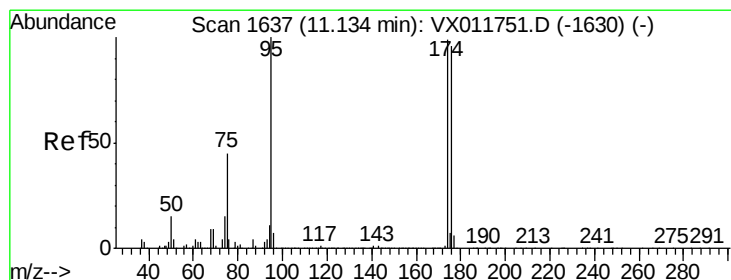
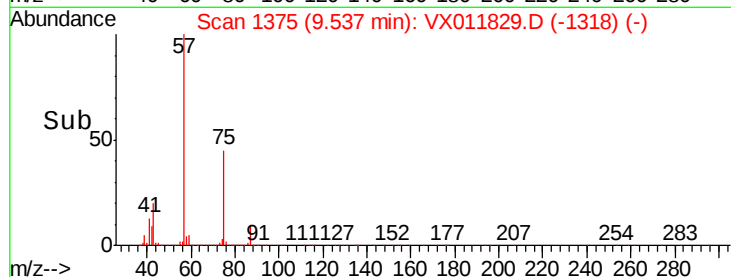
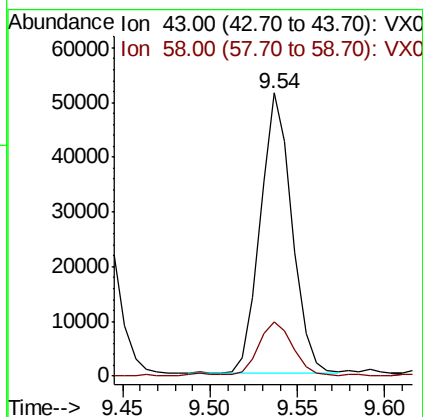
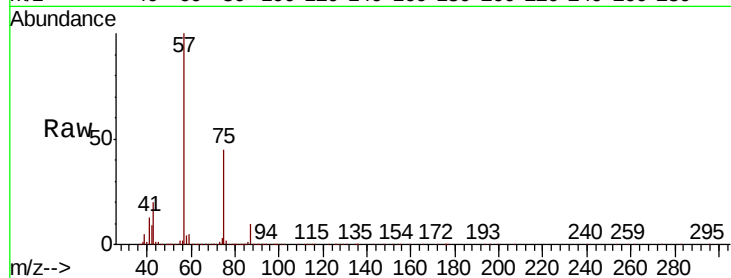




#59
2-Hexanone
Concen: 15.481 ug/l
RT: 9.54 min Scan# 1375
Delta R.T. 0.05 min
Lab File: VX011829.D
Acq: 24 Aug 2019 19:23

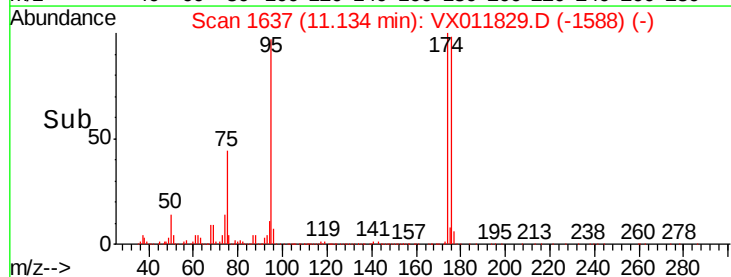
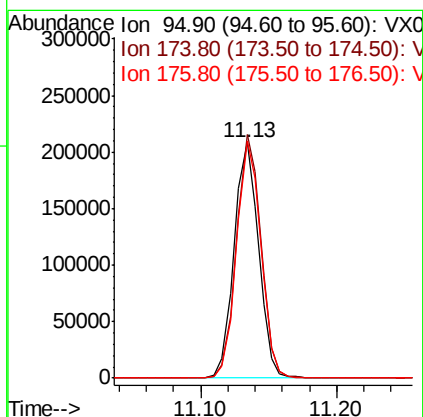
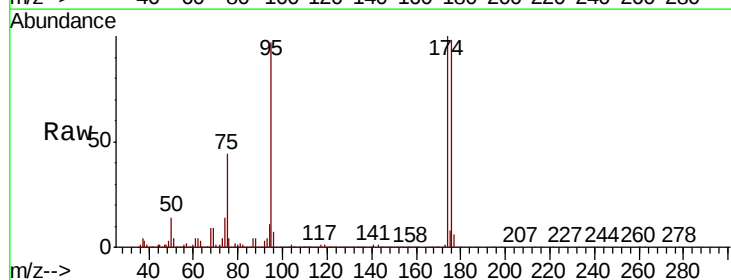
Instrument :
MSVOA_X
ClientSampleId :
T1-2-K1-(0)

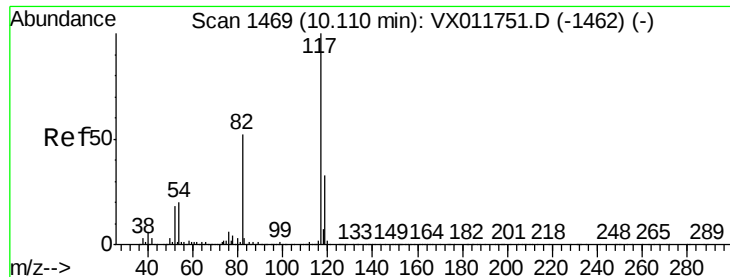
Tgt Ion: 43 Resp: 65246
Ion Ratio Lower Upper
43 100
58 20.5 27.7 83.1#



#62
4-Bromofluorobenzene
Concen: 47.268 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011829.D
Acq: 24 Aug 2019 19:23

Tgt Ion: 95 Resp: 261454
Ion Ratio Lower Upper
95 100
174 103.4 0.0 197.4
176 100.3 0.0 194.4

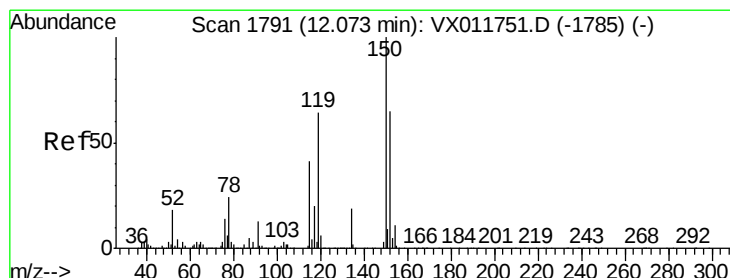
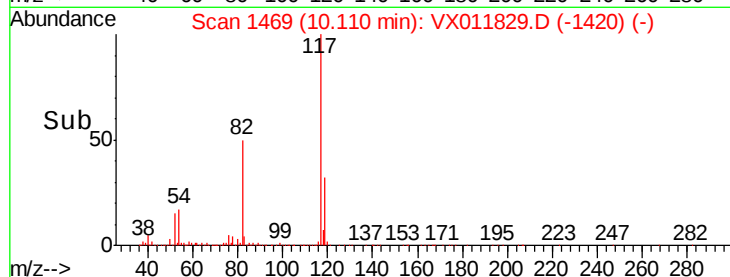
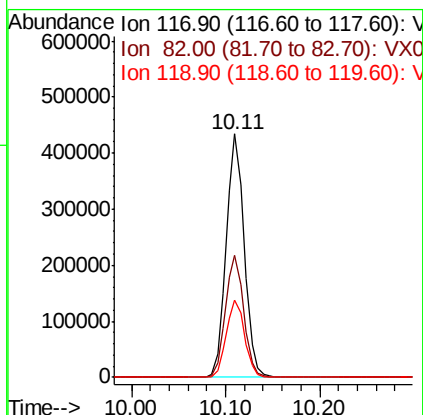
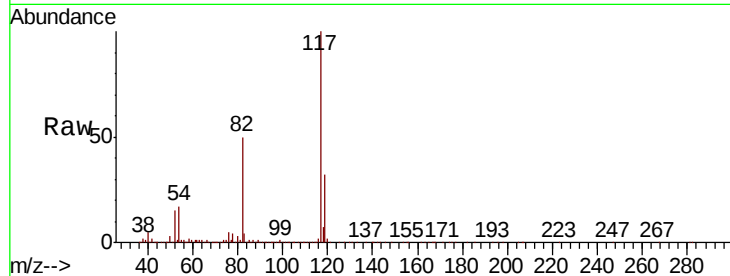




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011829.D
Acq: 24 Aug 2019 19:23

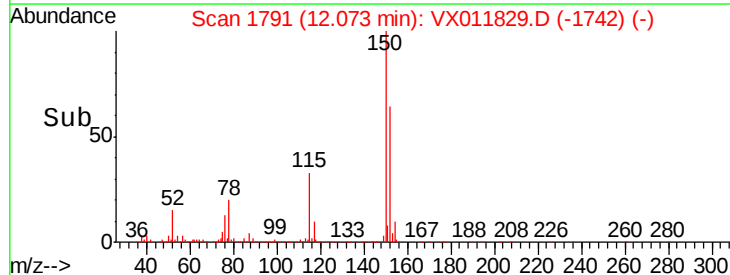
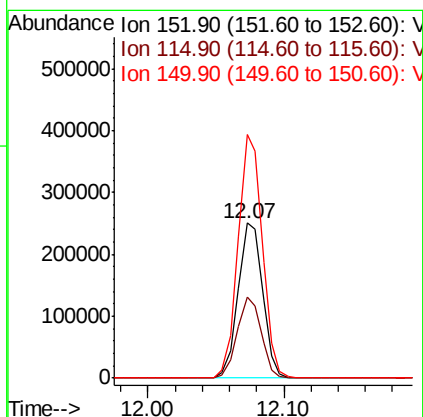
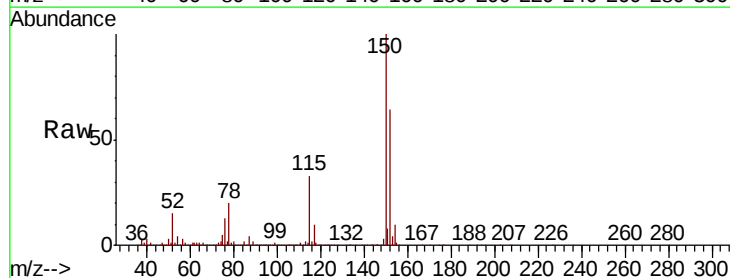
Instrument :
MSVOA_X
ClientSampled :
T1-2-K1-(0)

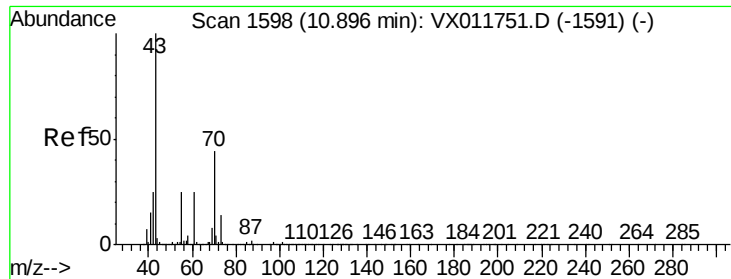
Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.3	41.7	62.5
119	31.6	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX011829.D
Acq: 24 Aug 2019 19:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.1	37.3	111.8
150	154.2	0.0	343.0





#74

N-ethyl acetate

Concen: 0.370 ug/l

RT: 10.82 min Scan# 1586

Delta R.T. -0.07 min

Lab File: VX011829.D

Acq: 24 Aug 2019 19:23

Instrument :

MSVOA_X

ClientSampleId :

T1-2-K1-(0)

Tgt Ion: 43 Resp: 2726

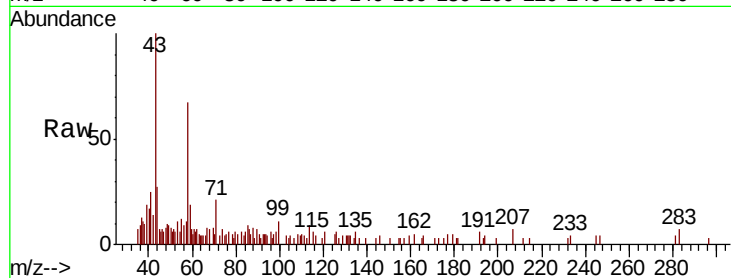
Ion Ratio Lower Upper

43 100

70 9.3 34.8 52.2#

55 26.2 19.5 29.3

61 12.4 19.8 29.6#

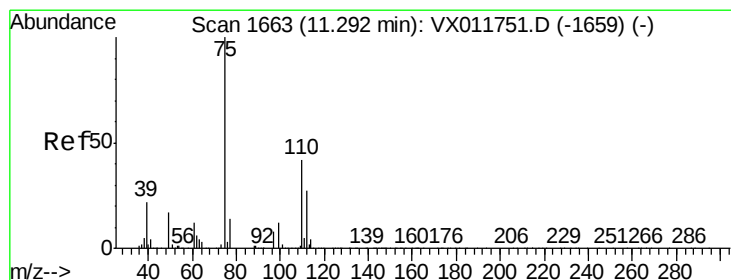
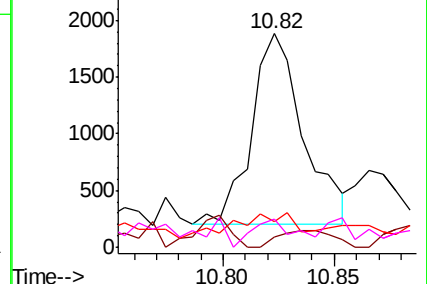
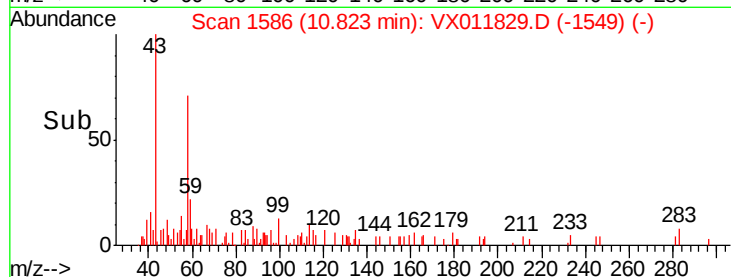


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 21.541 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011829.D

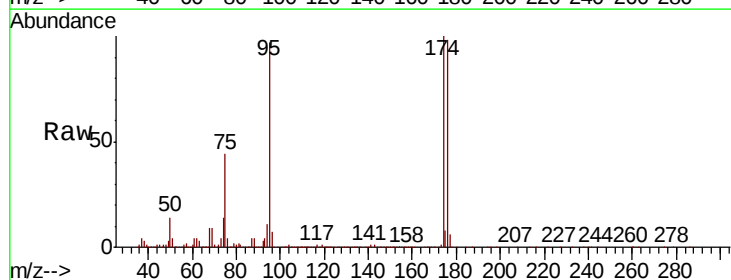
Acq: 24 Aug 2019 19:23

Tgt Ion: 75 Resp: 119381

Ion Ratio Lower Upper

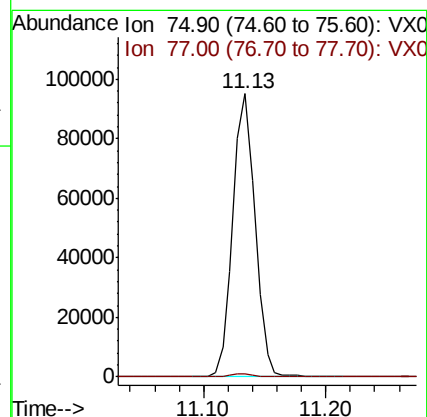
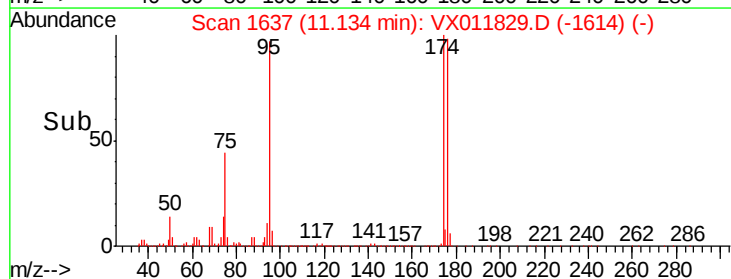
75 100

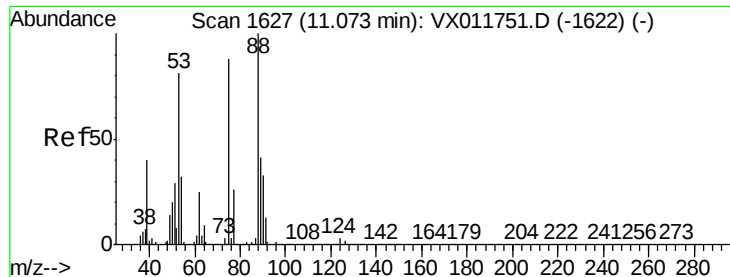
77 1.3 21.1 63.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

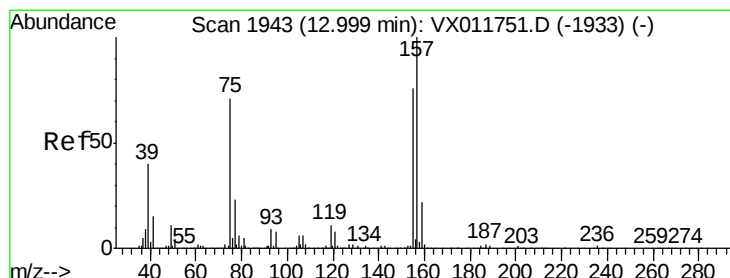
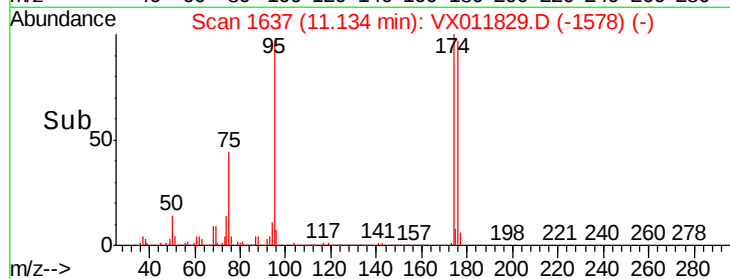
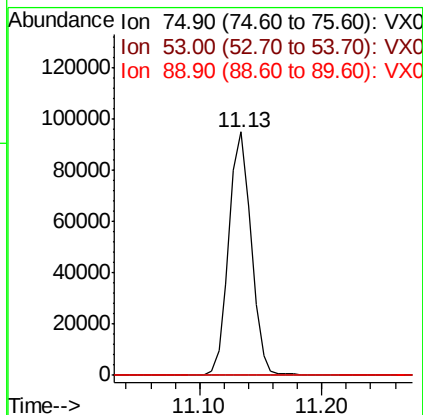
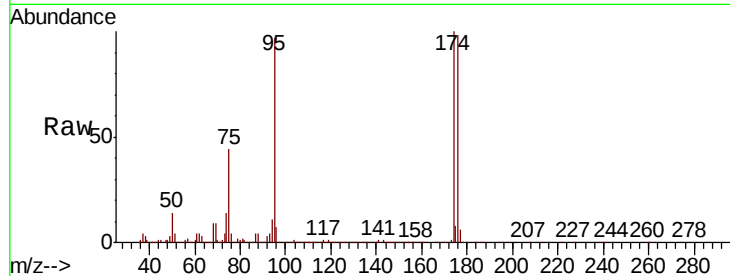




#81
trans-1,4-Dichloro-2-butene
Concen: 64.962 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX011829.D
Acq: 24 Aug 2019 19:23

Instrument :
MSVOA_X
ClientSampleId :
T1-2-K1-(0)

Tgt Ion: 75 Resp: 119381
Ion Ratio Lower Upper
75 100
53 0.0 77.1 115.7#
89 0.1 38.5 57.7#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.305 ug/l
RT: 13.01 min Scan# 1945
Delta R.T. 0.01 min
Lab File: VX011829.D
Acq: 24 Aug 2019 19:23

Tgt Ion: 75 Resp: 447
Ion Ratio Lower Upper
75 100
155 22.4 52.6 157.9#
157 15.4 68.3 204.9#

