

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082419\
 Data File : VX011830.D
 Acq On : 24 Aug 2019 19:46
 Operator : JC/SP
 Sample : K4474-31
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T1-2-K1-(2.5)

Quant Time: Aug 26 04:12:19 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	455958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	610176	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	581444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	317330	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	201034	43.89	ug/l	0.00
Spiked Amount			Recovery	=	87.78%	
35) Dibromofluoromethane	5.49	113	183684	46.55	ug/l	0.00
Spiked Amount			Recovery	=	93.10%	
50) Toluene-d8	8.71	98	706192	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
62) 4-Bromofluorobenzene	11.13	95	263619	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	

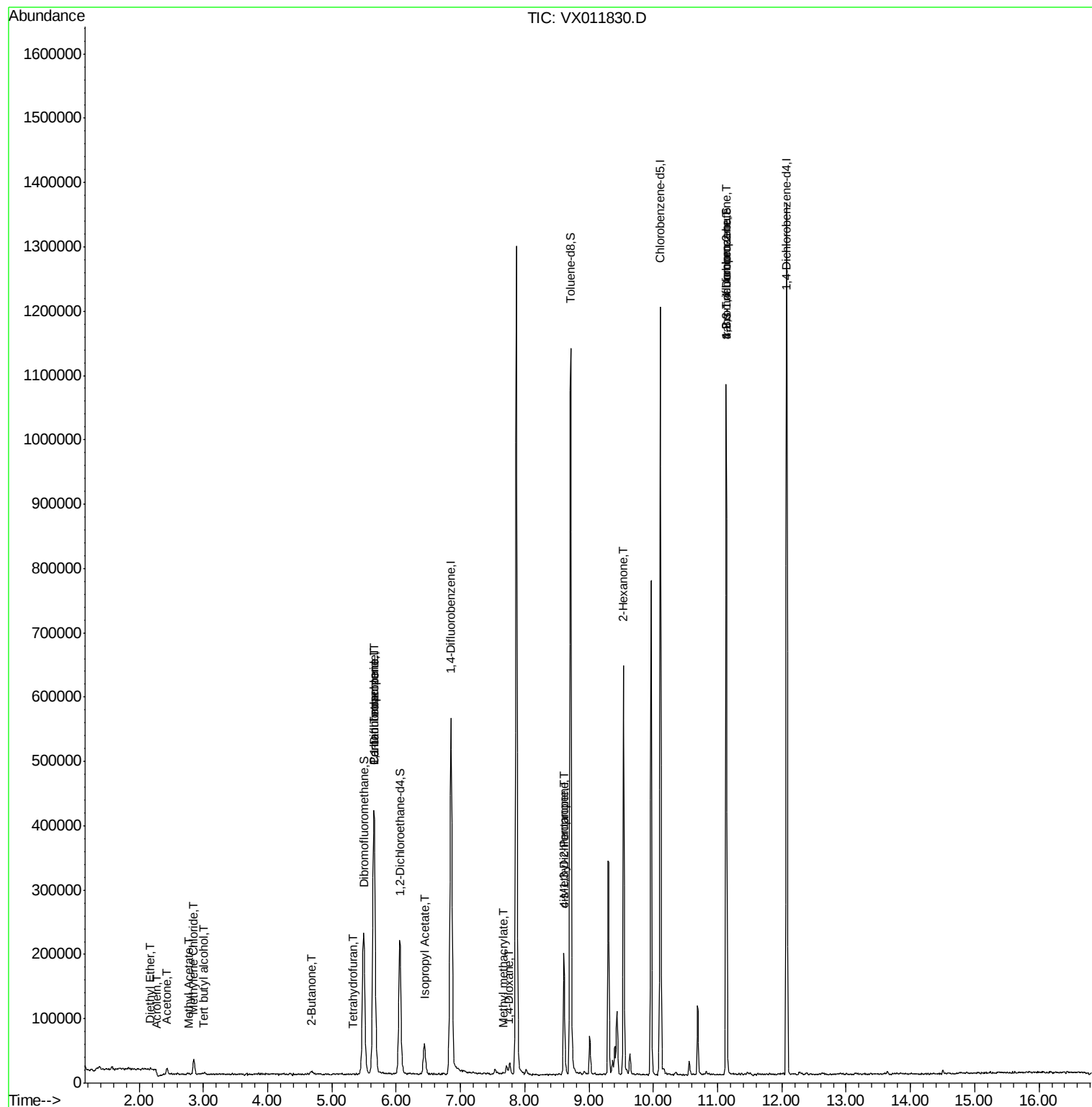
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.18	74	856	0.424	ug/l	75
11) Tert butyl alcohol	3.01	59	2147	2.372	ug/l #	56
13) Acrolein	2.28	56	188	0.537	ug/l	98
16) Acetone	2.43	43	10672	5.356	ug/l	94
18) Methyl Acetate	2.77	43	2409	0.446	ug/l #	59
20) Methylene Chloride	2.85	84	12702	3.118	ug/l #	93
25) 2-Butanone	4.68	43	1488	0.520	ug/l #	48
29) Tetrahydrofuran	5.34	42	642	0.350	ug/l	95
36) 1,1-Dichloropropene	5.65	75	25331	5.294	ug/l #	52
38) Carbon Tetrachloride	5.65	117	37045	6.831	ug/l #	17
43) Isopropyl Acetate	6.44	43	64017	7.811	ug/l	97
48) Methyl methacrylate	7.68	41	3504	0.859	ug/l #	18
49) 1,4-Dioxane	7.74	88	278	2.460	ug/l #	26
51) 4-Methyl-2-Pentanone	8.61	43	60774	11.254	ug/l #	51
54) cis-1,3-Dichloropropene	8.61	75	31100	5.500	ug/l #	60
59) 2-Hexanone	9.54	43	71240	17.188	ug/l #	53
76) 1,2,3-Trichloropropane	11.13	75	120609	21.660	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	120609	65.324	ug/l #	11

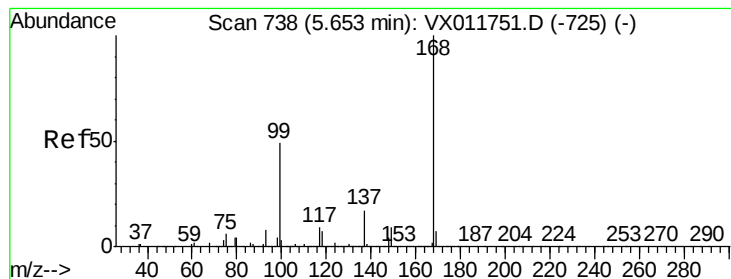
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX082419\
Data File : VX011830.D
Acq On : 24 Aug 2019 19:46
Operator : JC/SP
Sample : K4474-31
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
T1-2-K1-(2.5)

Quant Time: Aug 26 04:12:19 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: VX011830.D

Acq: 24 Aug 2019 19:46

Instrument :

MSVOA_X

ClientSampleId :

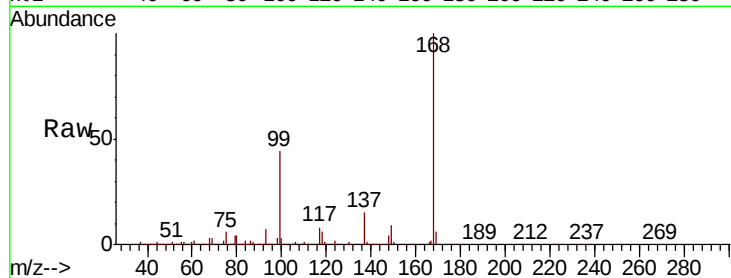
T1-2-K1-(2.5)

Tgt Ion:168 Resp: 455958

Ion Ratio Lower Upper

168 100

99 43.8 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

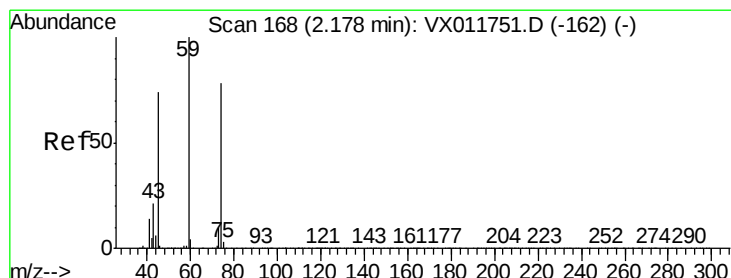
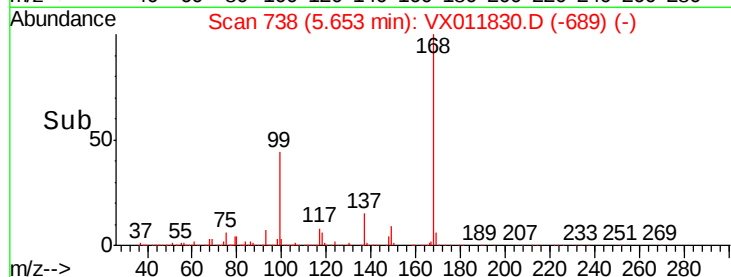
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 0.424 ug/l

RT: 2.18 min Scan# 168

Delta R.T. -0.00 min

Lab File: VX011830.D

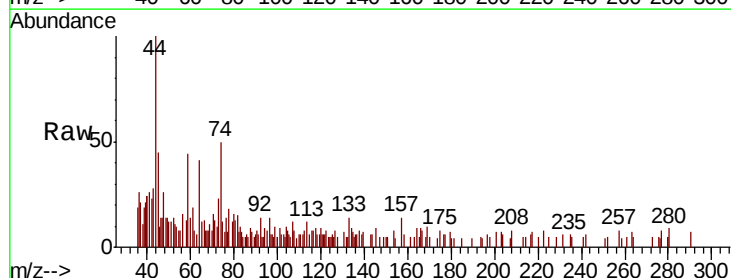
Acq: 24 Aug 2019 19:46

Tgt Ion: 74 Resp: 856

Ion Ratio Lower Upper

74 100

45 117.4 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

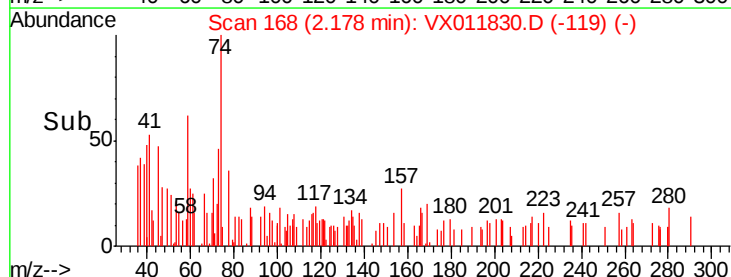
600

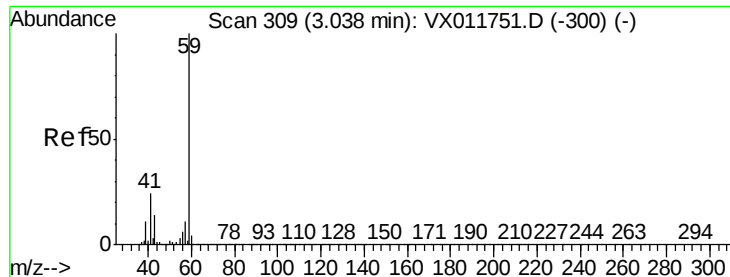
400

200

0

Time-->

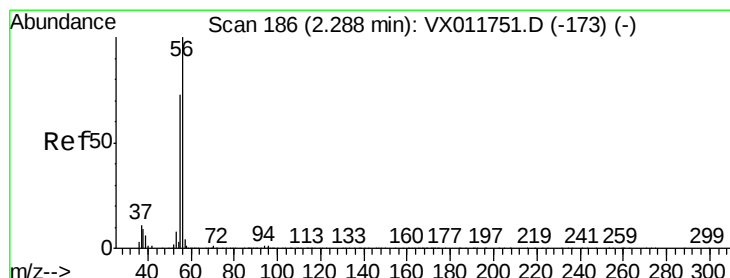
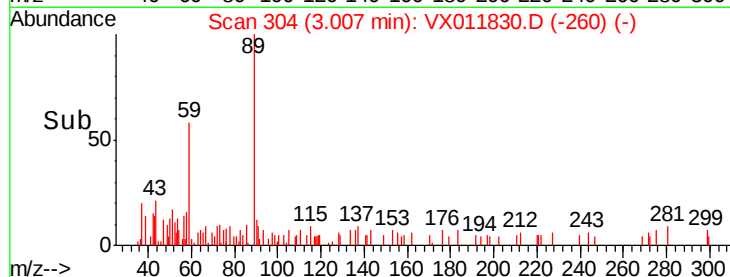
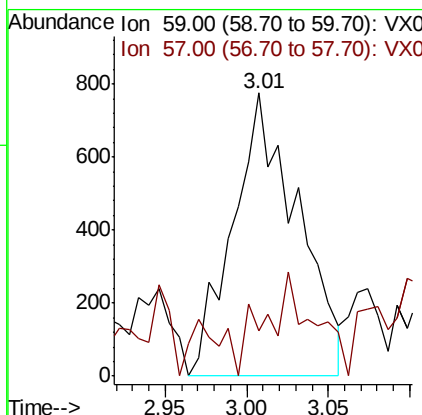
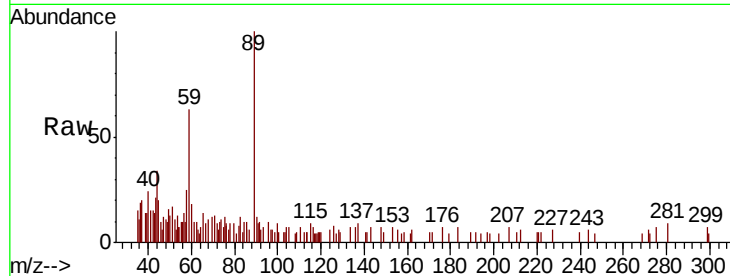




#11
Tert butyl alcohol
Concen: 2.372 ug/l
RT: 3.01 min Scan# 304
Delta R.T. -0.03 min
Lab File: VX011830.D
Acq: 24 Aug 2019 19:46

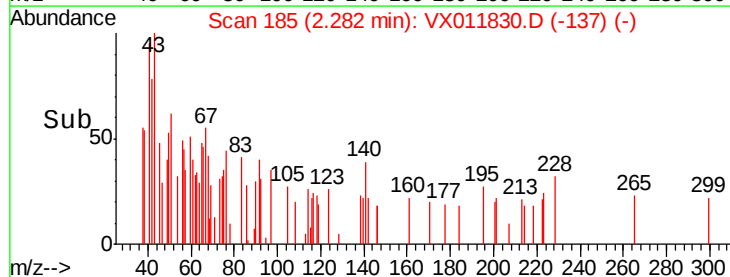
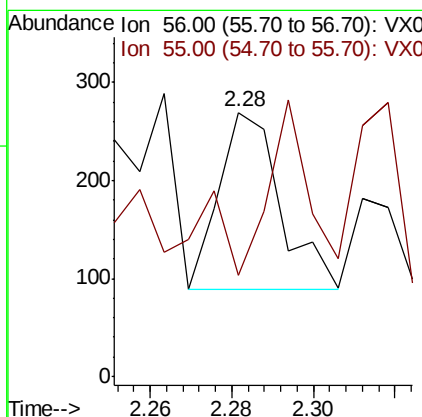
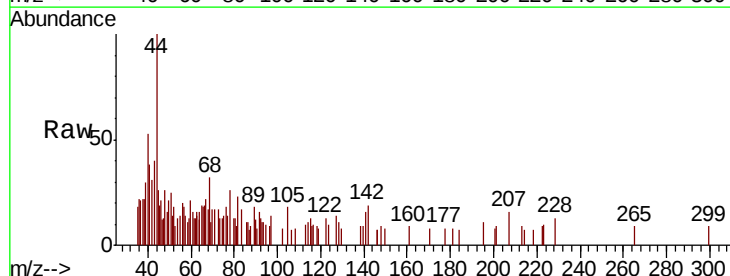
Instrument :
MSVOA_X
ClientSampled :
T1-2-K1-(2.5)

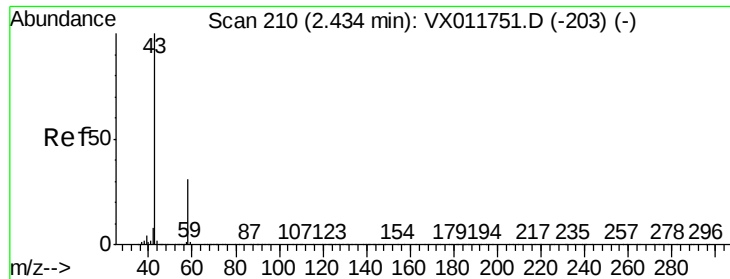
Tgt Ion: 59 Resp: 2147
Ion Ratio Lower Upper
59 100
57 27.2 8.4 12.6#



#13
Acrolein
Concen: 0.537 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX011830.D
Acq: 24 Aug 2019 19:46

Tgt Ion: 56 Resp: 188
Ion Ratio Lower Upper
56 100
55 66.5 54.8 82.2





#16

Acetone

Concen: 5.356 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011830.D

Acq: 24 Aug 2019 19:46

Instrument :

MSVOA_X

ClientSampleId :

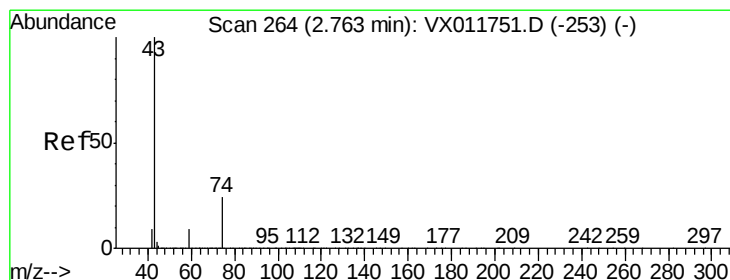
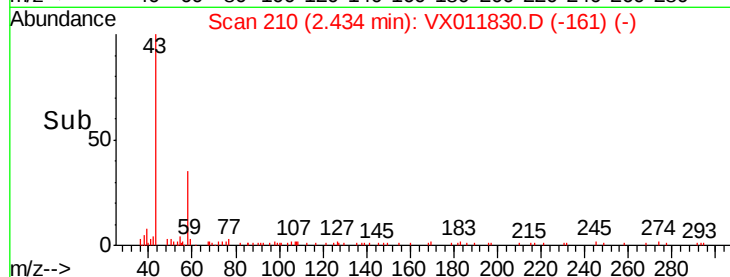
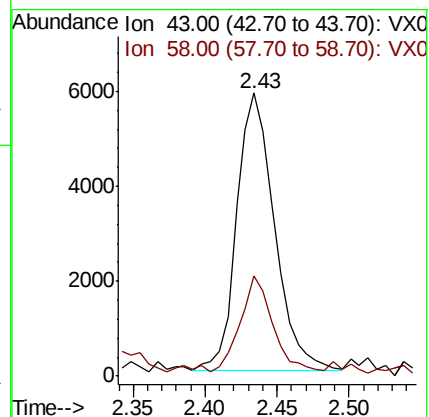
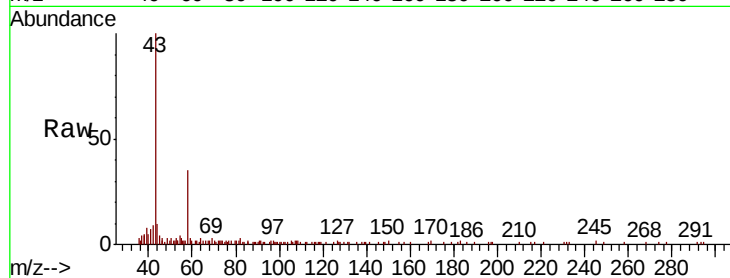
T1-2-K1-(2.5)

Tgt Ion: 43 Resp: 10672

Ion Ratio Lower Upper

43 100

58 33.6 24.4 36.6



#18

Methyl Acetate

Concen: 0.446 ug/l

RT: 2.77 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX011830.D

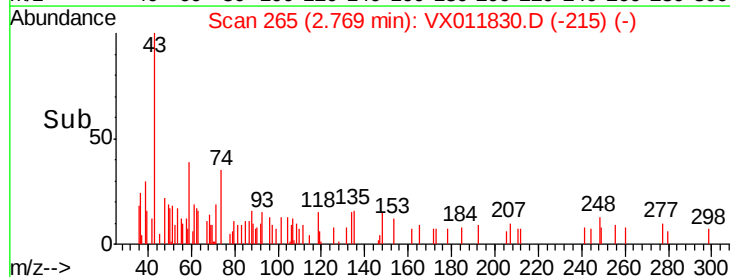
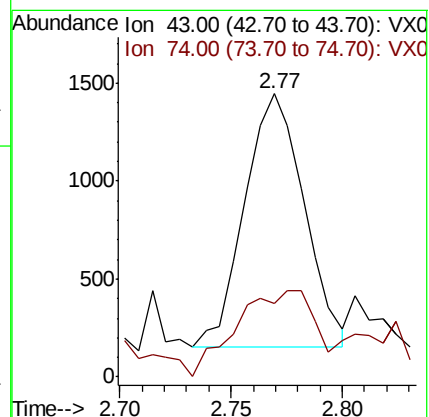
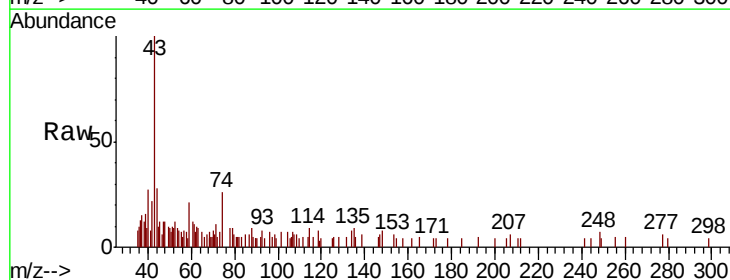
Acq: 24 Aug 2019 19:46

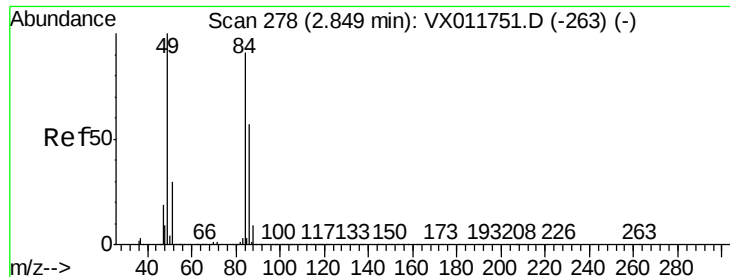
Tgt Ion: 43 Resp: 2409

Ion Ratio Lower Upper

43 100

74 44.8 19.5 29.3#





#20

Methylene Chloride

Concen: 3.118 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.01 min

Lab File: VX011830.D

Acq: 24 Aug 2019 19:46

Instrument :

MSVOA_X

ClientSampleId :

T1-2-K1-(2.5)

Tgt Ion: 84 Resp: 12702

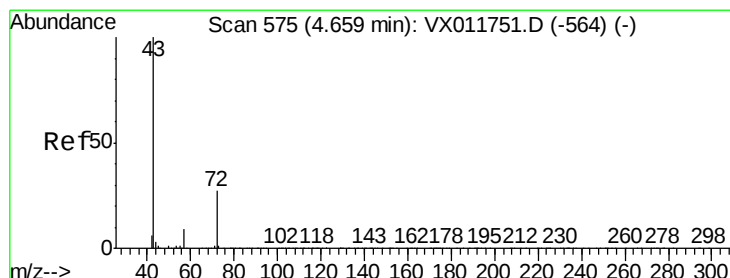
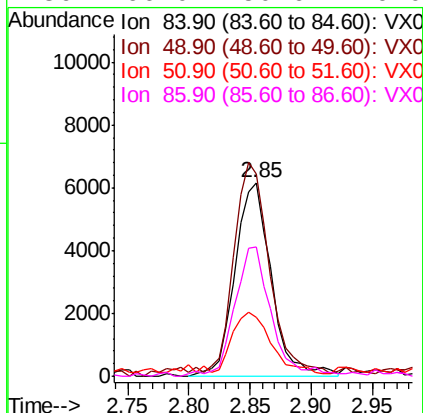
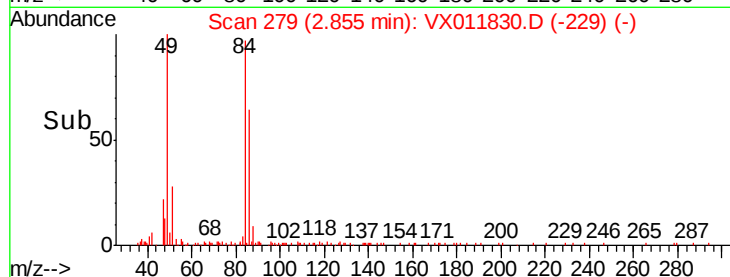
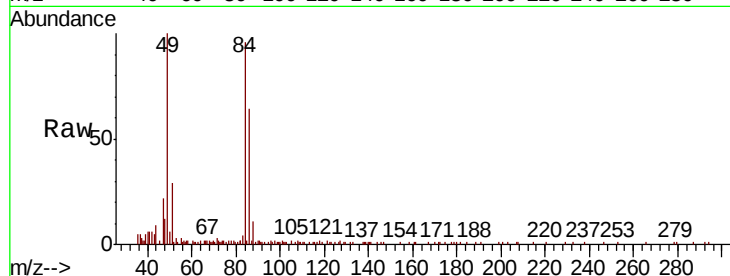
Ion Ratio Lower Upper

84 100

49 102.4 88.3 132.5

51 25.9 26.2 39.2#

86 66.0 50.6 76.0



#25

2-Butanone

Concen: 0.520 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.02 min

Lab File: VX011830.D

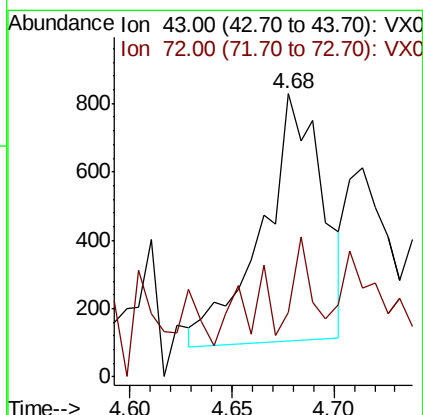
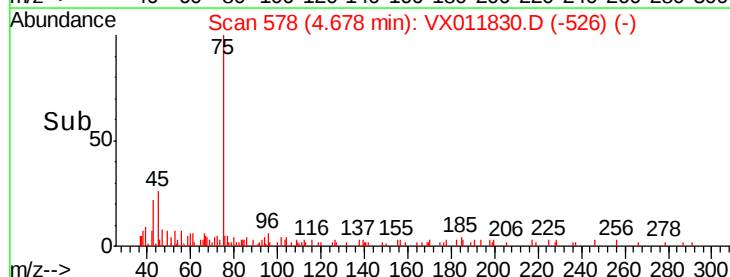
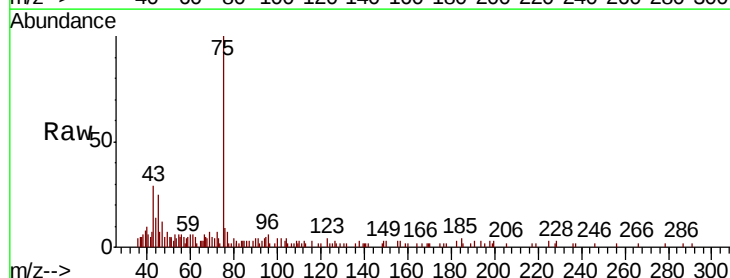
Acq: 24 Aug 2019 19:46

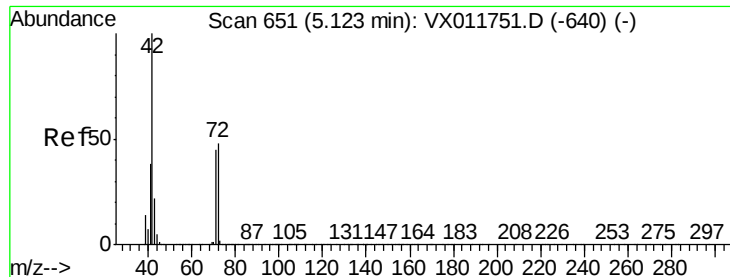
Tgt Ion: 43 Resp: 1488

Ion Ratio Lower Upper

43 100

72 0.0 21.8 32.6#





#29

Tetrahydrofuran

Concen: 0.350 ug/l

RT: 5.34 min Scan# 686

Delta R.T. 0.21 min

Lab File: VX011830.D

Acq: 24 Aug 2019 19:46

Instrument :

MSVOA_X

ClientSampleId :

T1-2-K1-(2.5)

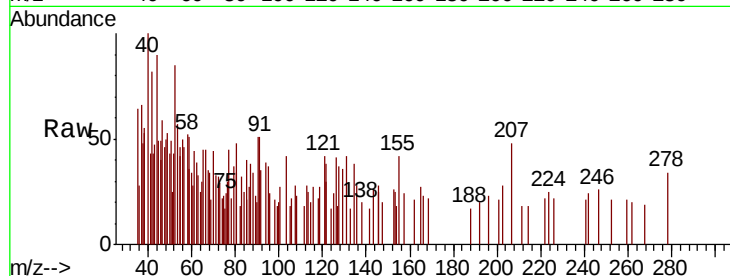
Tgt Ion: 42 Resp: 642

Ion Ratio Lower Upper

42 100

72 45.2 37.6 56.4

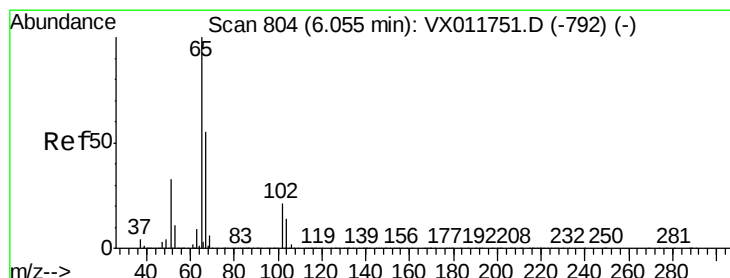
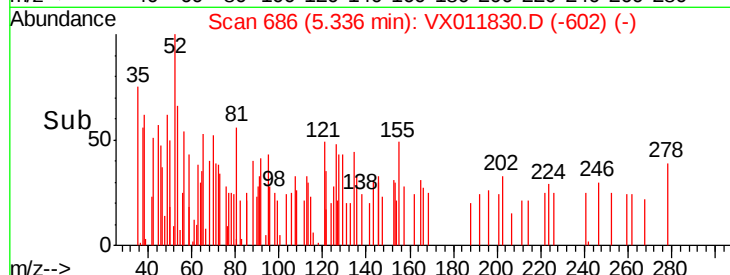
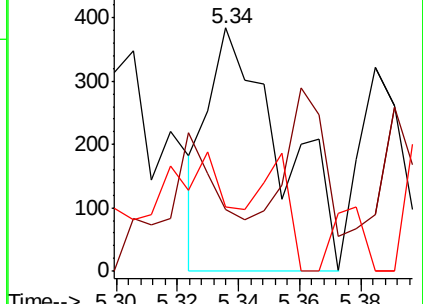
71 38.2 34.6 51.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 43.890 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.00 min

Lab File: VX011830.D

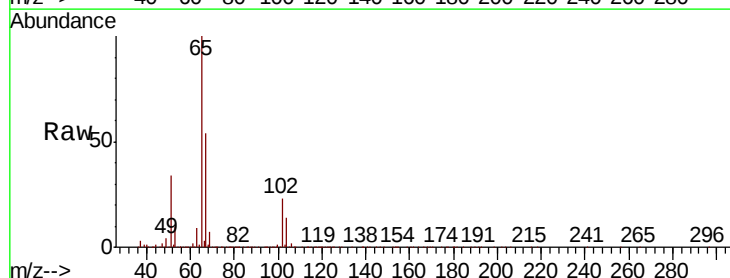
Acq: 24 Aug 2019 19:46

Tgt Ion: 65 Resp: 201034

Ion Ratio Lower Upper

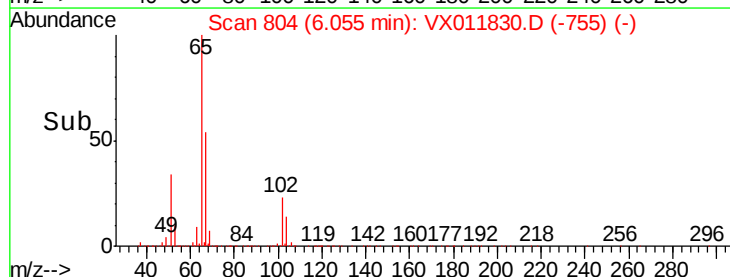
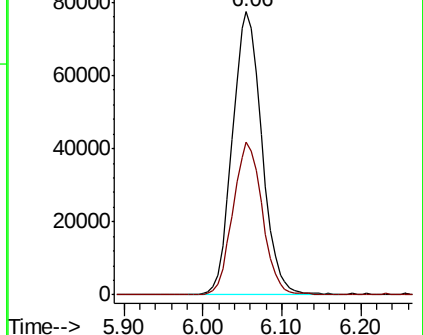
65 100

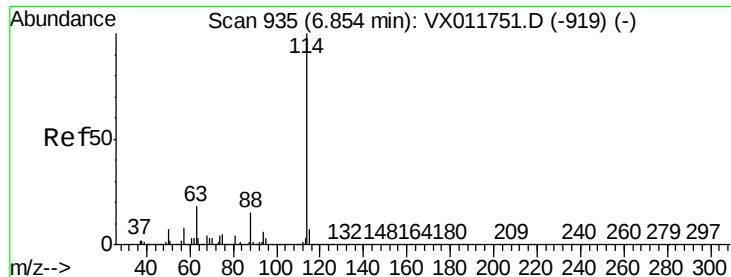
67 53.4 0.0 107.8



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: VX011830.D

Acq: 24 Aug 2019 19:46

Instrument :

MSVOA_X

ClientSampleId :

T1-2-K1-(2.5)

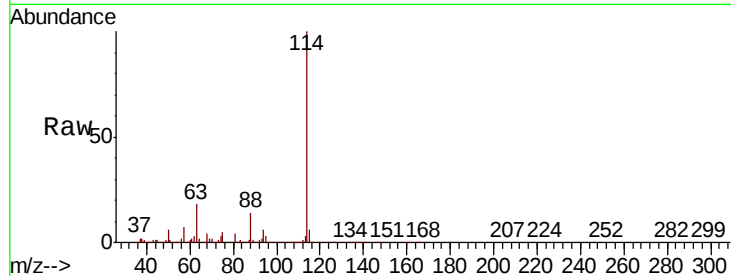
Tgt Ion:114 Resp: 610176

Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.8

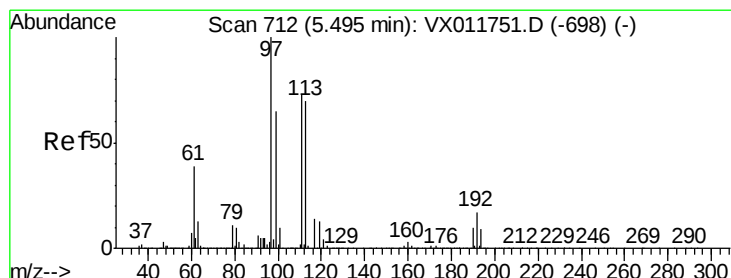
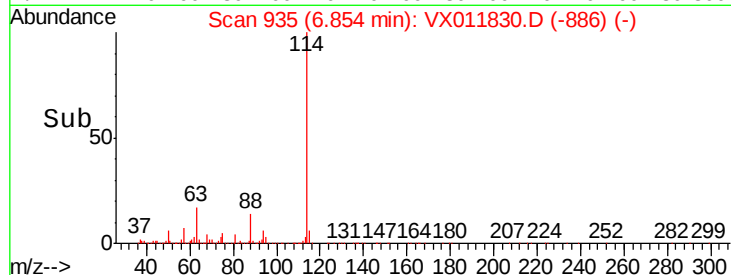
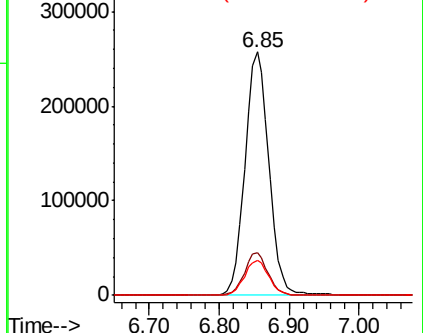
88 14.5 0.0 30.2



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: 46.554 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX011830.D

Acq: 24 Aug 2019 19:46

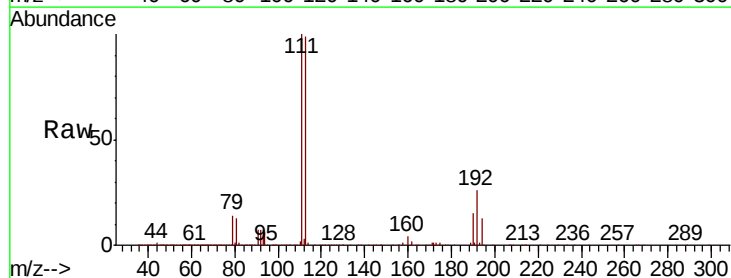
Tgt Ion:113 Resp: 183684

Ion Ratio Lower Upper

113 100

111 101.7 81.0 121.4

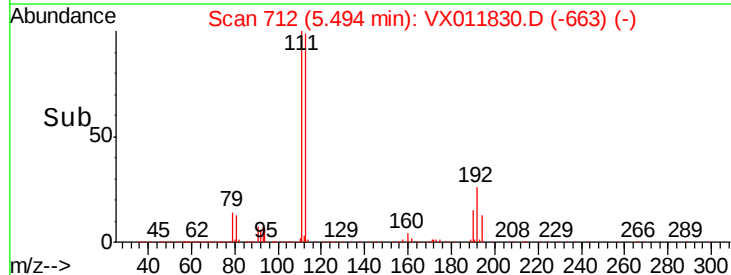
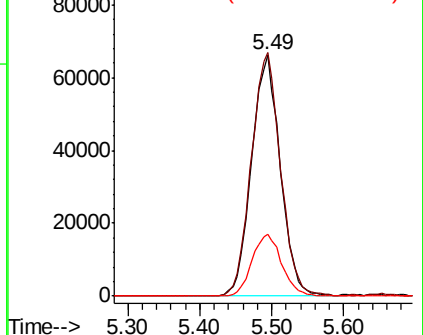
192 26.7 19.9 29.9

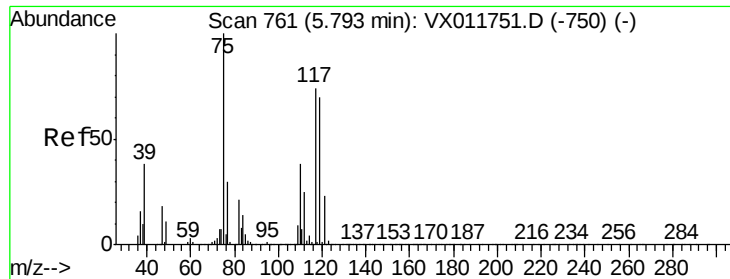


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

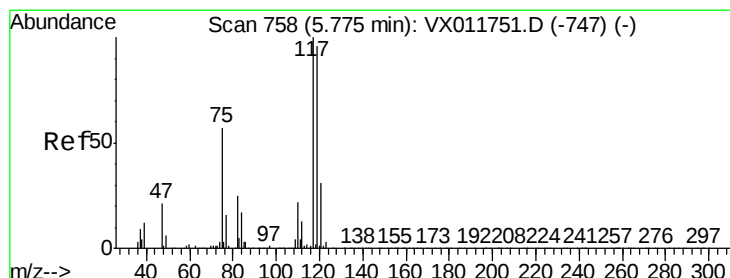
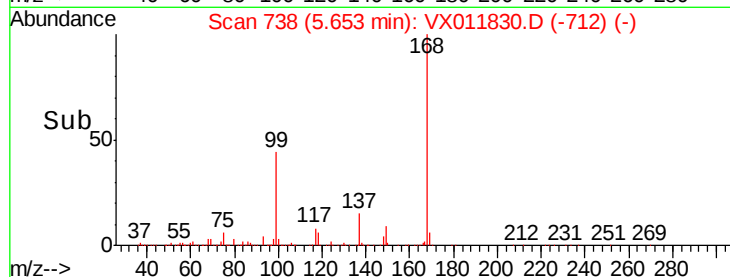
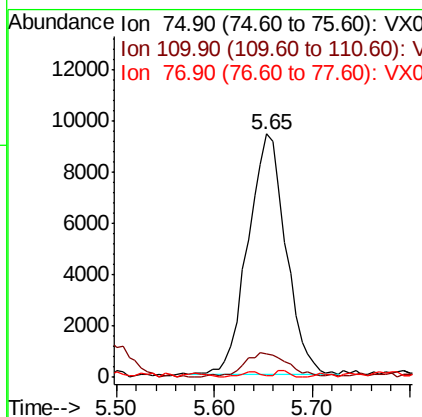
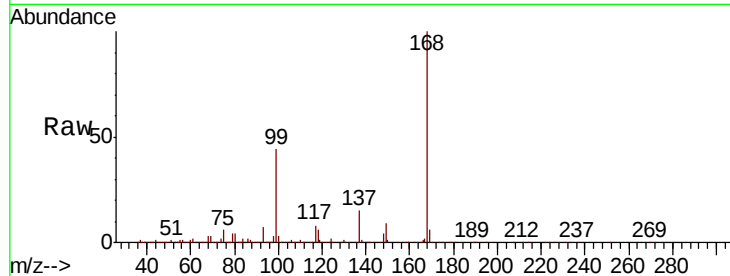




#36
 1,1-Dichloropropene
 Concen: 5.294 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011830.D
 Acq: 24 Aug 2019 19:46

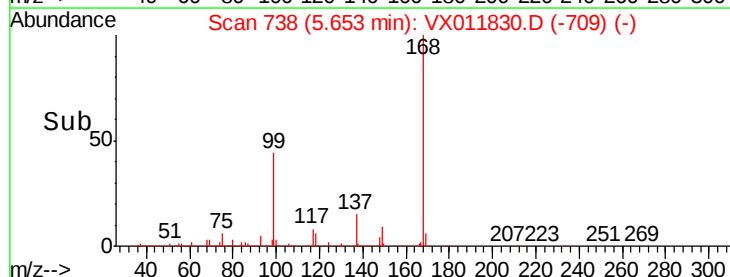
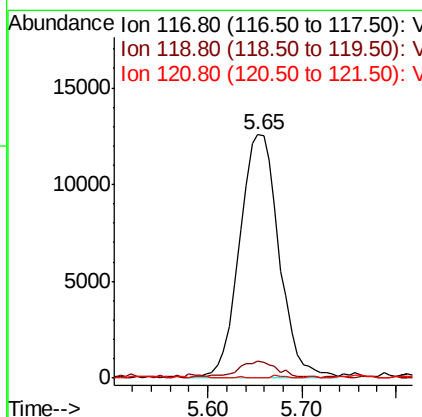
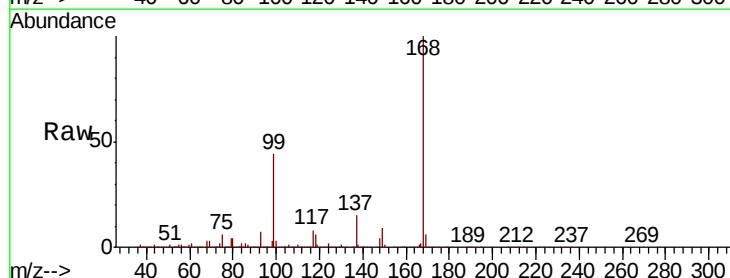
Instrument :
 MSVOA_X
 ClientSampled :
 T1-2-K1-(2.5)

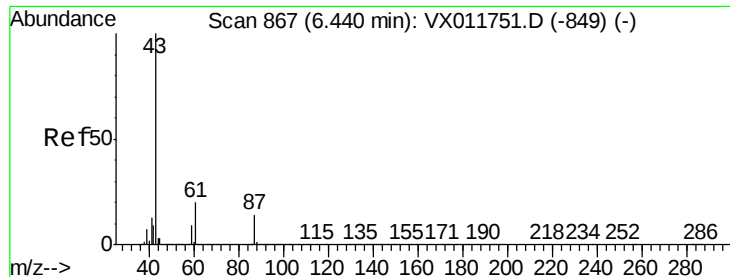
Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.0	19.0	57.0#
77	1.3	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.831 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.12 min
 Lab File: VX011830.D
 Acq: 24 Aug 2019 19:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.3	76.6	114.8#
121	0.0	25.2	37.8#





#43

Isopropyl Acetate

Concen: 7.811 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.00 min

Lab File: VX011830.D

Acq: 24 Aug 2019 19:46

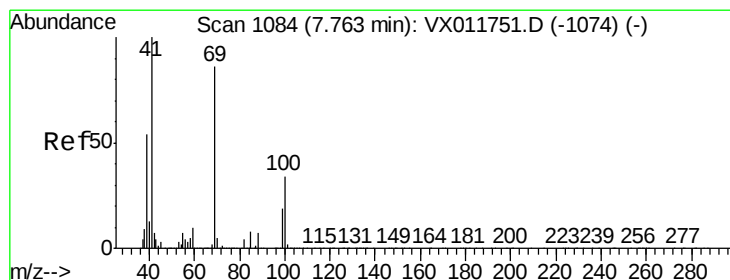
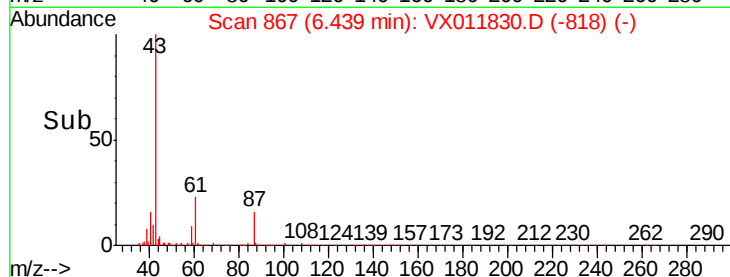
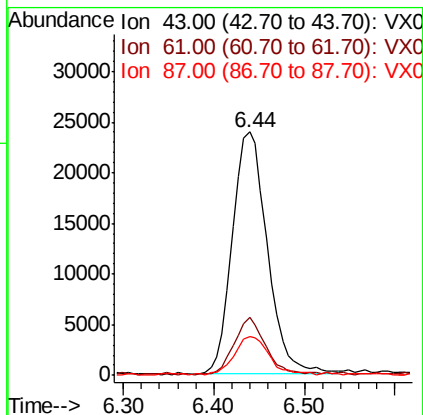
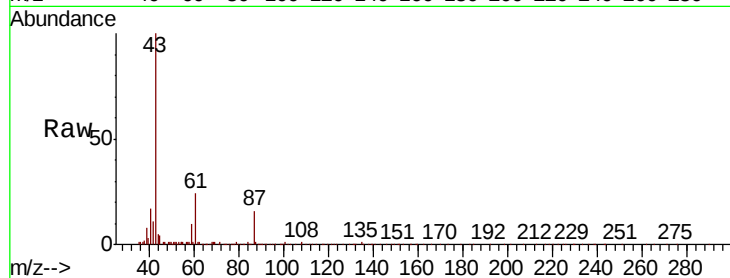
Instrument :

MSVOA_X

ClientSampleId :

T1-2-K1-(2.5)

Tgt Ion:	43	Resp:	64017
Ion	Ratio	Lower	Upper
43	100		
61	21.7	16.2	24.2
87	15.6	11.6	17.4



#48

Methyl methacrylate

Concen: 0.859 ug/l

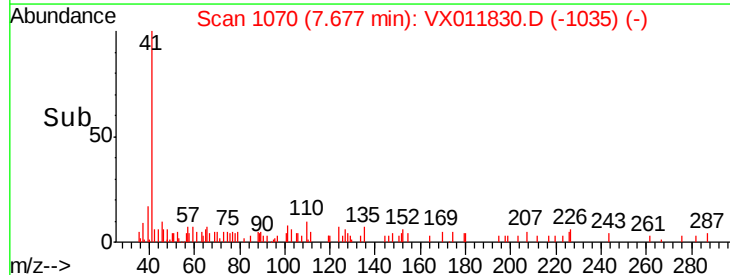
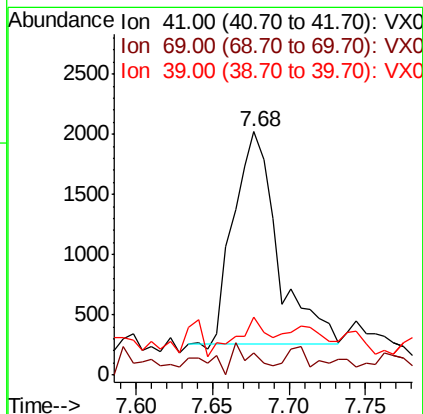
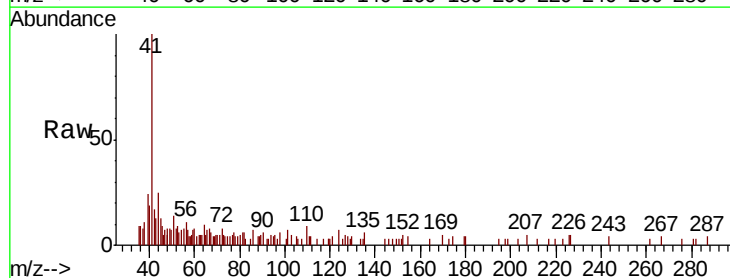
RT: 7.68 min Scan# 1070

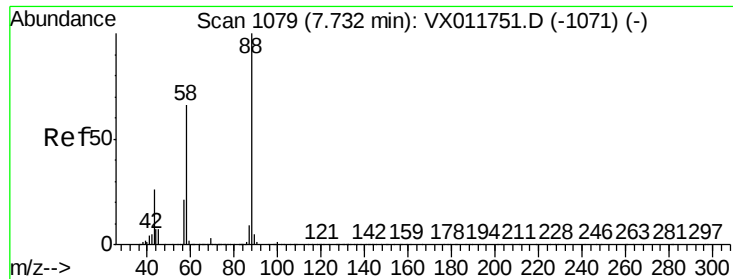
Delta R.T. -0.09 min

Lab File: VX011830.D

Acq: 24 Aug 2019 19:46

Tgt Ion:	41	Resp:	3504
Ion	Ratio	Lower	Upper
41	100		
69	7.8	69.4	104.2#
39	0.0	43.6	65.4#

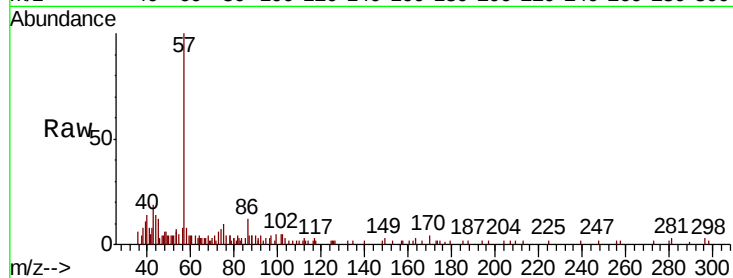




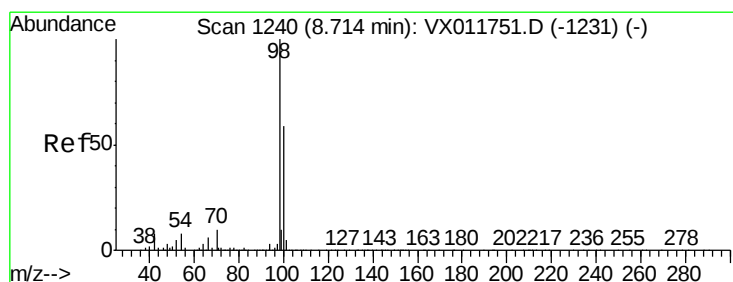
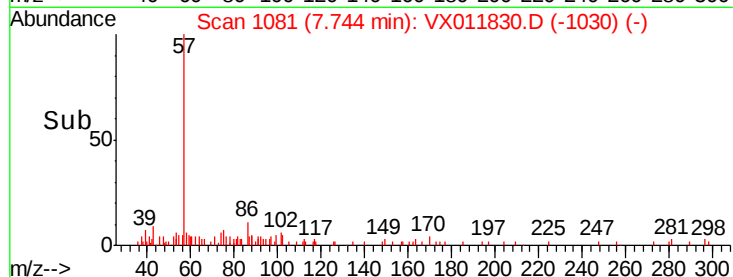
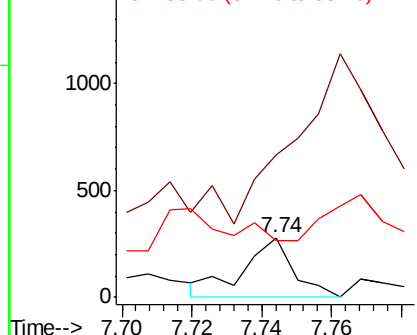
#49
1,4-Dioxane
Concen: 2.460 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX011830.D
Acq: 24 Aug 2019 19:46

Instrument :
MSVOA_X
ClientSampled :
T1-2-K1-(2.5)

Tgt Ion: 88 Resp: 278
Ion Ratio Lower Upper
88 100
43 0.0 24.6 37.0#
58 0.0 51.4 77.2#

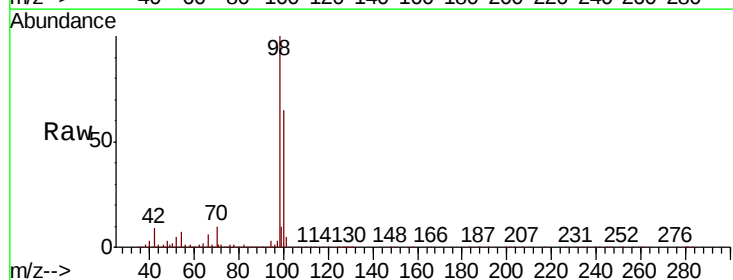


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

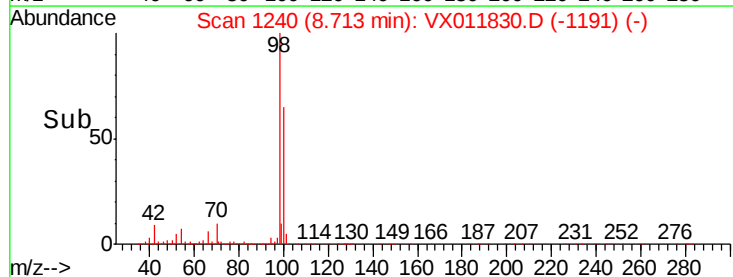
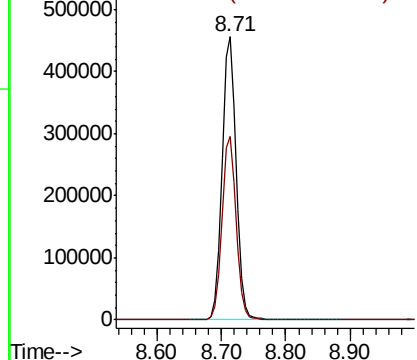


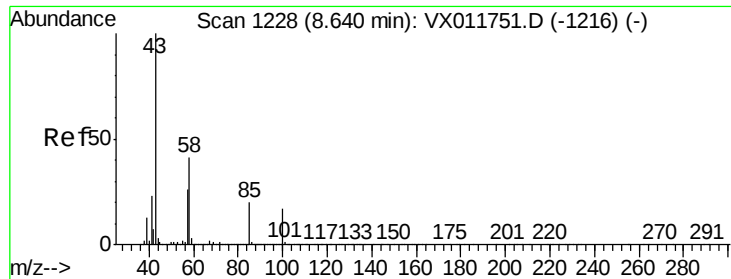
#50
Toluene-d8
Concen: 51.313 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011830.D
Acq: 24 Aug 2019 19:46

Tgt Ion: 98 Resp: 706192
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1



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

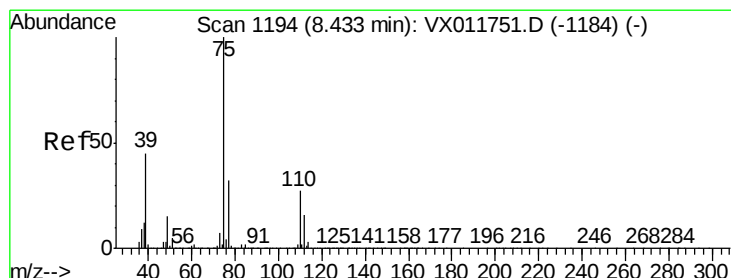
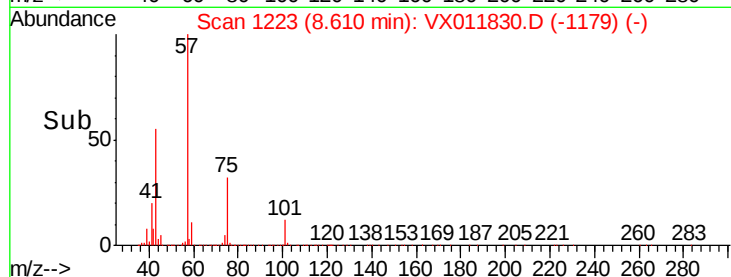
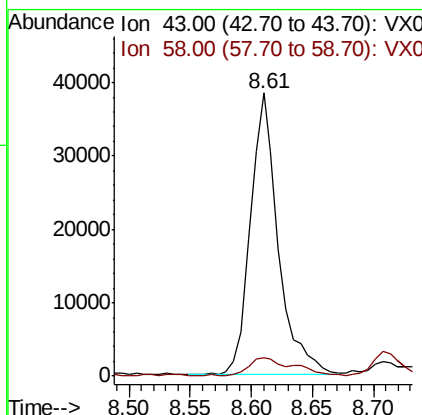
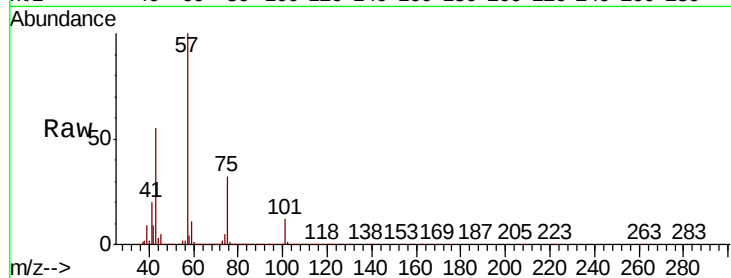




#51
4-Methyl-2-Pentanone
Concen: 11.254 ug/l
RT: 8.61 min Scan# 1223
Delta R.T. -0.03 min
Lab File: VX011830.D
Acq: 24 Aug 2019 19:46

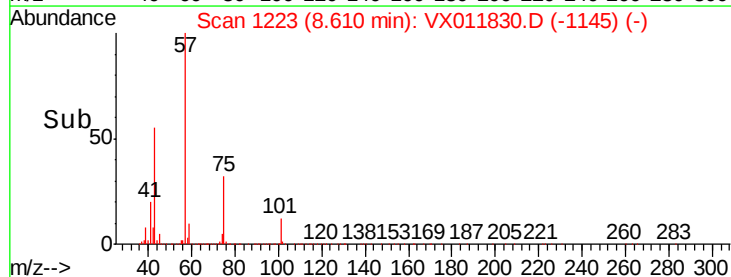
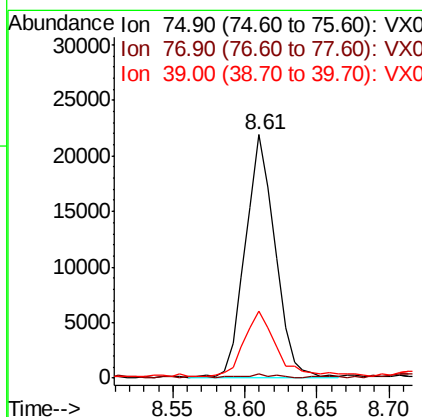
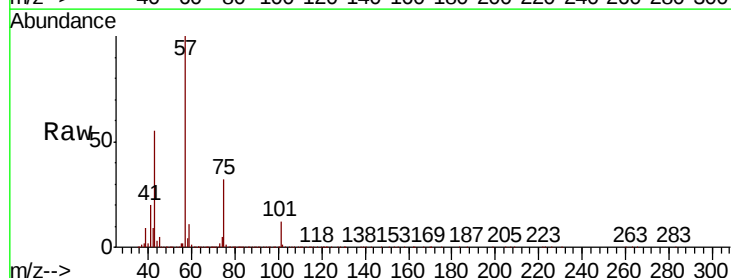
Instrument :
MSVOA_X
ClientSampleId :
T1-2-K1-(2.5)

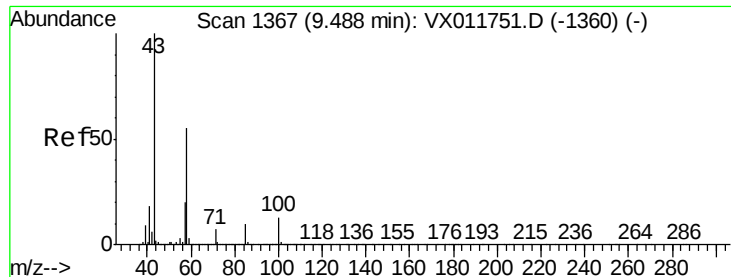
Tgt Ion: 43 Resp: 60774
Ion Ratio Lower Upper
43 100
58 9.8 31.8 47.6#



#54
cis-1,3-Dichloropropene
Concen: 5.500 ug/l
RT: 8.61 min Scan# 1223
Delta R.T. 0.18 min
Lab File: VX011830.D
Acq: 24 Aug 2019 19:46

Tgt Ion: 75 Resp: 31100
Ion Ratio Lower Upper
75 100
77 0.9 25.4 38.2#
39 26.7 36.2 54.4#

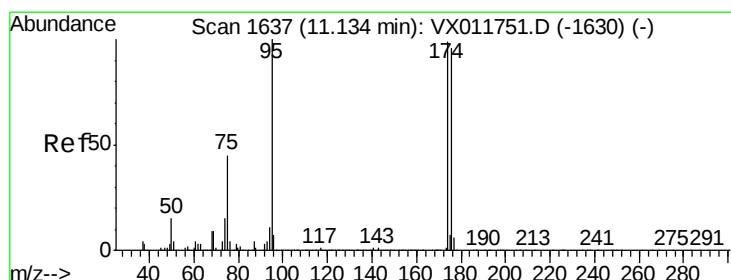
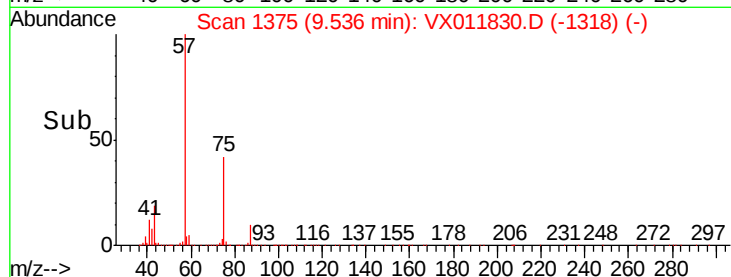
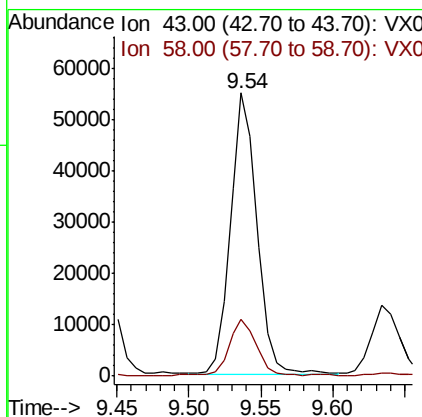
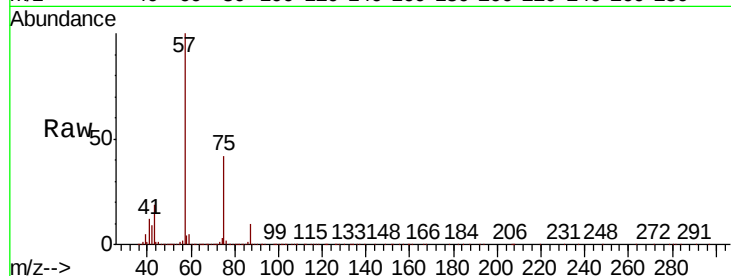




#59
2-Hexanone
Concen: 17.188 ug/l
RT: 9.54 min Scan# 1375
Delta R.T. 0.05 min
Lab File: VX011830.D
Acq: 24 Aug 2019 19:46

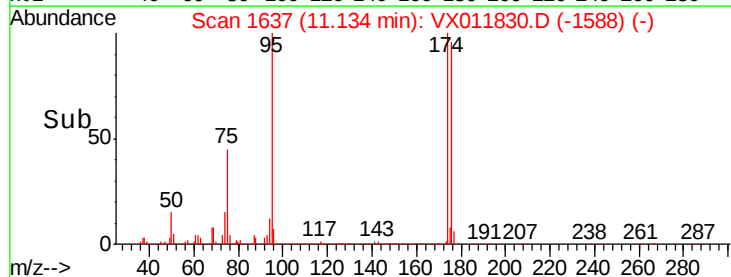
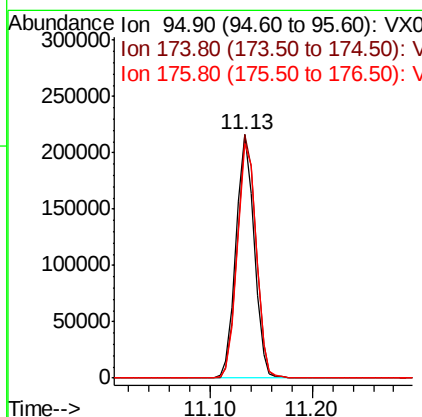
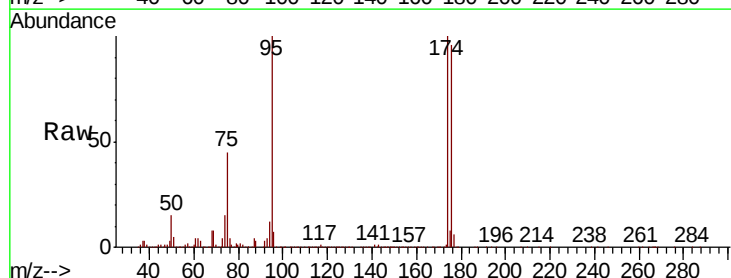
Instrument :
MSVOA_X
ClientSampleId :
T1-2-K1-(2.5)

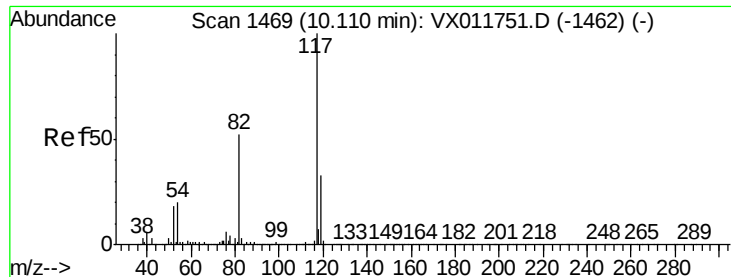
Tgt Ion: 43 Resp: 71240
Ion Ratio Lower Upper
43 100
58 21.1 27.7 83.1#



#62
4-Bromofluorobenzene
Concen: 48.462 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011830.D
Acq: 24 Aug 2019 19:46

Tgt Ion: 95 Resp: 263619
Ion Ratio Lower Upper
95 100
174 102.1 0.0 197.4
176 100.6 0.0 194.4

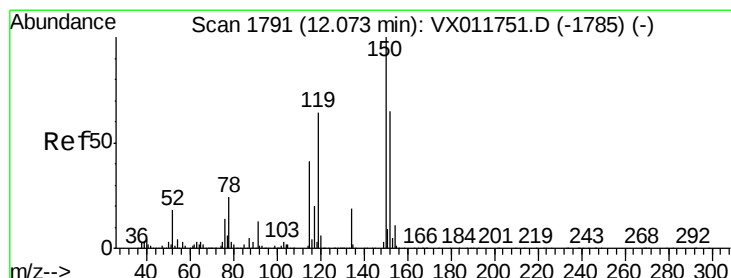
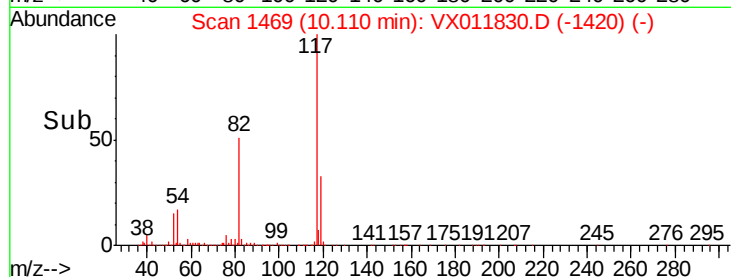
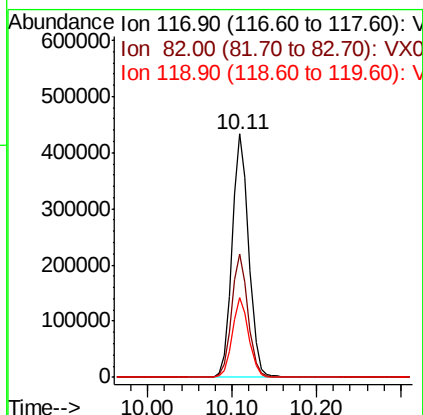
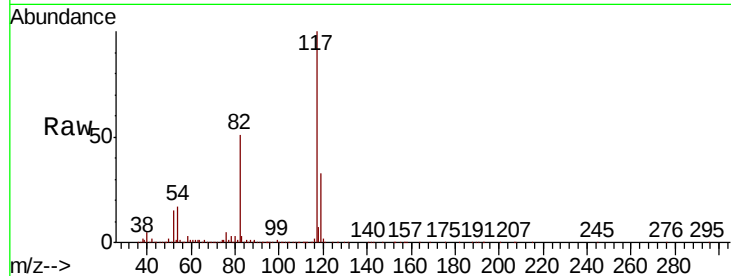




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011830.D
Acq: 24 Aug 2019 19:46

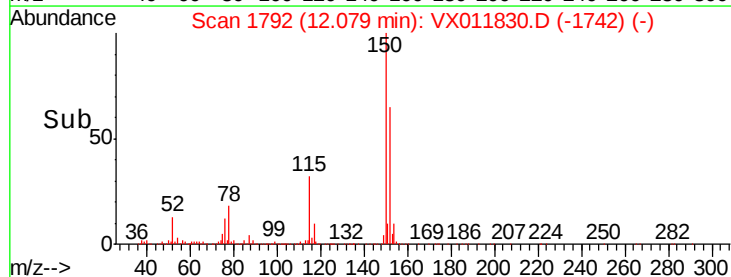
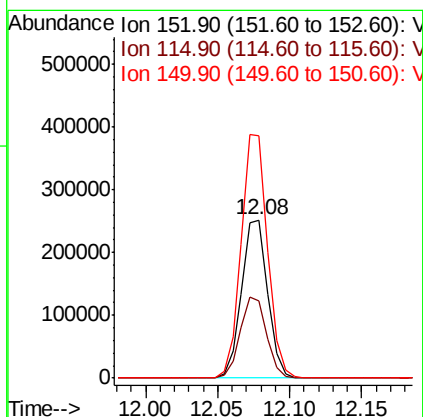
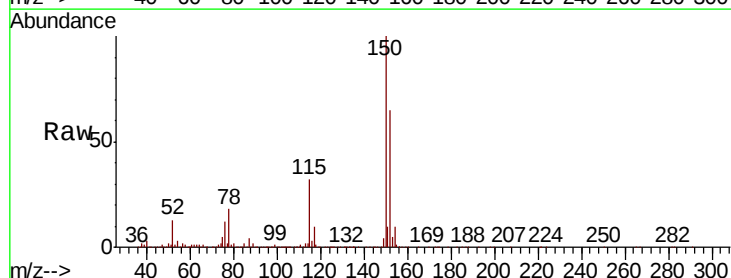
Instrument :
MSVOA_X
ClientSampled :
T1-2-K1-(2.5)

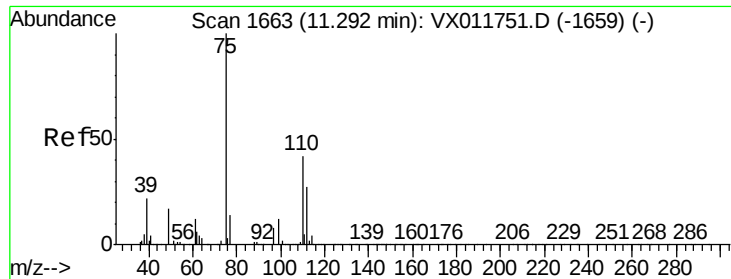
Tgt Ion:117 Resp: 581444
Ion Ratio Lower Upper
117 100
82 50.8 41.7 62.5
119 32.7 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.01 min
Lab File: VX011830.D
Acq: 24 Aug 2019 19:46

Tgt Ion:152 Resp: 317330
Ion Ratio Lower Upper
152 100
115 51.8 37.3 111.8
150 155.3 0.0 343.0





#76

1,2,3-Trichloropropane

Concen: 21.660 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011830.D

Acq: 24 Aug 2019 19:46

Instrument :

MSVOA_X

ClientSampled :

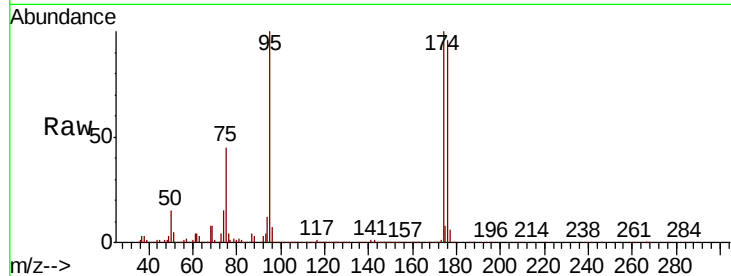
T1-2-K1-(2.5)

Tgt Ion: 75 Resp: 120609

Ion Ratio Lower Upper

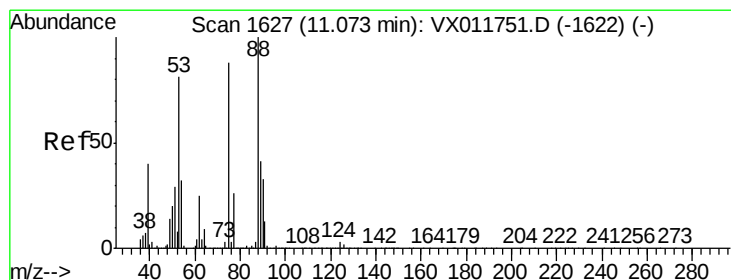
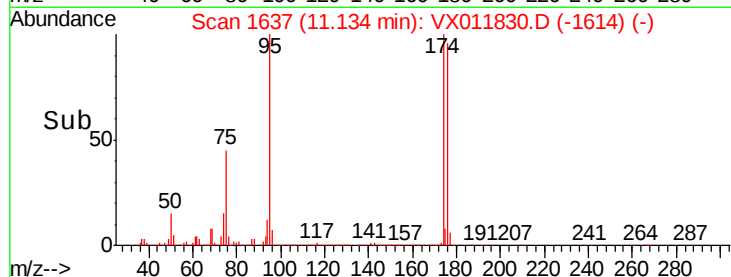
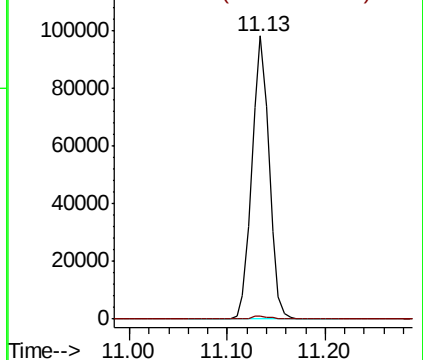
75 100

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: 65.324 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011830.D

Acq: 24 Aug 2019 19:46

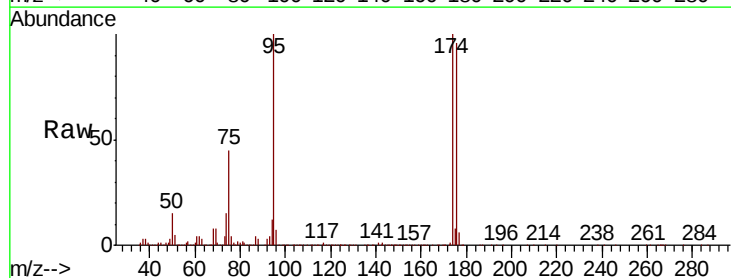
Tgt Ion: 75 Resp: 120609

Ion Ratio Lower Upper

75 100

53 0.0 77.1 115.7#

89 0.0 38.5 57.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

