

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080519\
 Data File : VX011330.D
 Acq On : 05 Aug 2019 16:50
 Operator : JC/SP
 Sample : K4130-27
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 06 02:39:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	191613	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	277012	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	251629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	109483	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	93115	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	
35) Dibromofluoromethane	5.49	113	82876	45.82	ug/l	0.00
Spiked Amount			Recovery	=	91.64%	
50) Toluene-d8	8.71	98	330075	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
62) 4-Bromofluorobenzene	11.13	95	103871	42.62	ug/l	0.00
Spiked Amount			Recovery	=	85.24%	

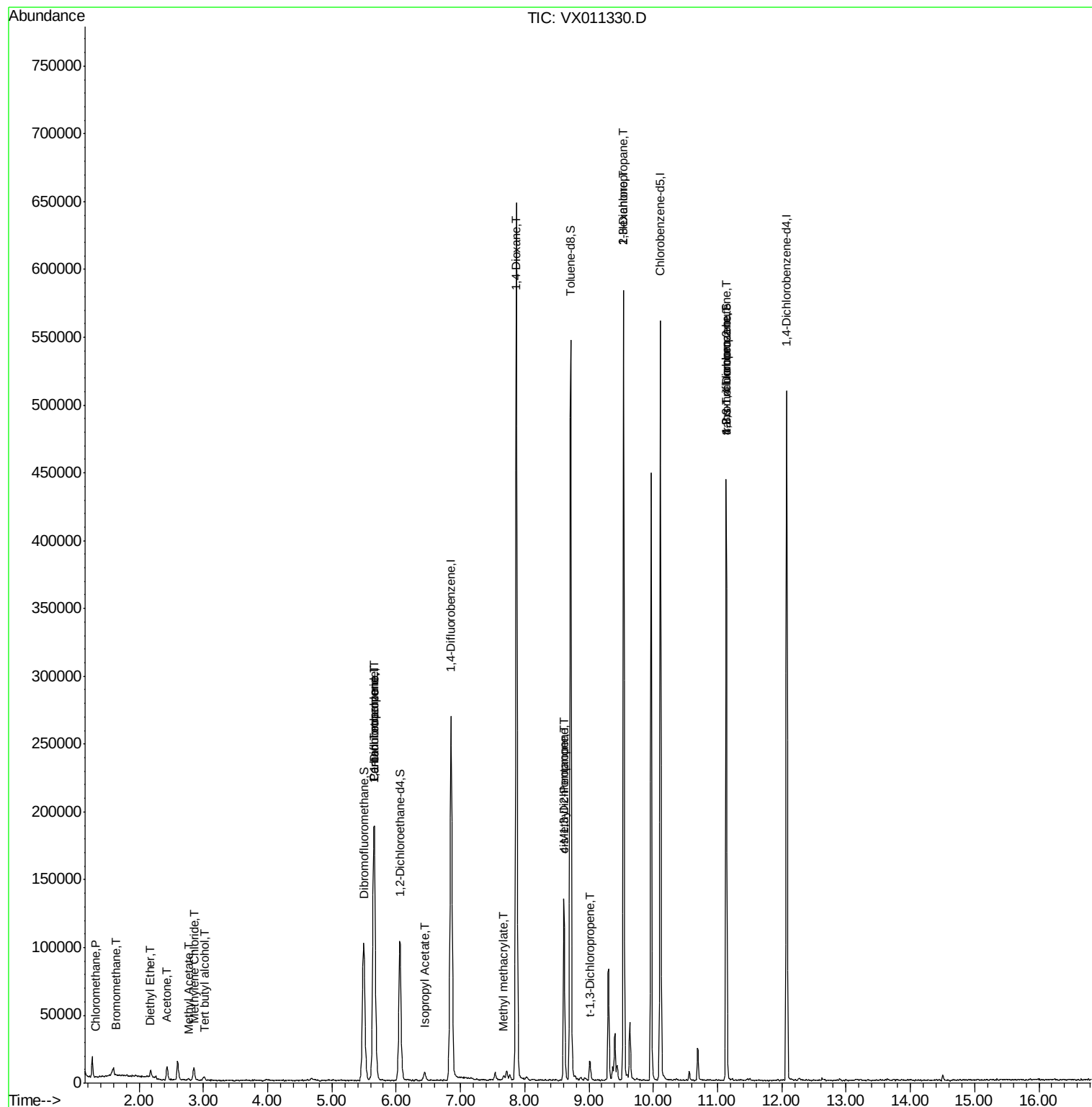
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	374	0.225	ug/l #	46
5) Bromomethane	1.65	94	528	0.405	ug/l #	66
6) Chloroethane	1.64	64	362	Below Cal	#	75
8) Diethyl Ether	2.18	74	2032	1.751	ug/l	93
11) Tert butyl alcohol	3.01	59	1499	3.918	ug/l #	90
13) Acrolein	2.26	56	70	Below Cal	#	16
16) Acetone	2.43	43	9837	10.710	ug/l	89
18) Methyl Acetate	2.77	43	1198	0.571	ug/l	91
20) Methylene Chloride	2.85	84	4327	2.151	ug/l	92
36) 1,1-Dichloropropene	5.65	75	12511	5.173	ug/l #	49
38) Carbon Tetrachloride	5.65	117	17472	7.180	ug/l #	15
43) Isopropyl Acetate	6.45	43	8793	2.267	ug/l	96
48) Methyl methacrylate	7.67	41	3730	2.043	ug/l #	11
49) 1,4-Dioxane	7.87	88	133	2.513	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	41823	16.708	ug/l #	48
53) t-1,3-Dichloropropene	9.01	75	57	2.858	ug/l #	43
54) cis-1,3-Dichloropropene	8.61	75	20969	7.770	ug/l #	68
57) 1,3-Dichloropropane	9.54	76	5224	1.684	ug/l #	41
59) 2-Hexanone	9.54	43	64274	33.151	ug/l #	51
76) 1,2,3-Trichloropropane	11.13	75	51897	26.029	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	51897	67.738	ug/l #	10

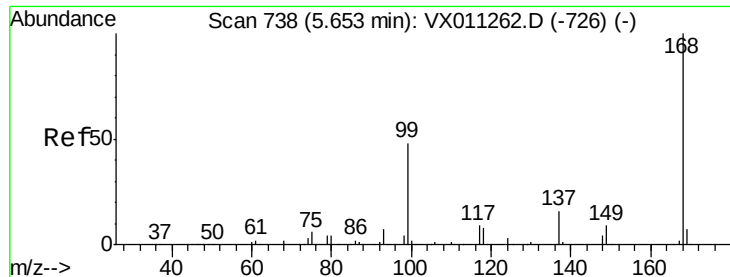
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011330.D

Acq: 05 Aug 2019 16:50

Instrument :

MSVOA_X

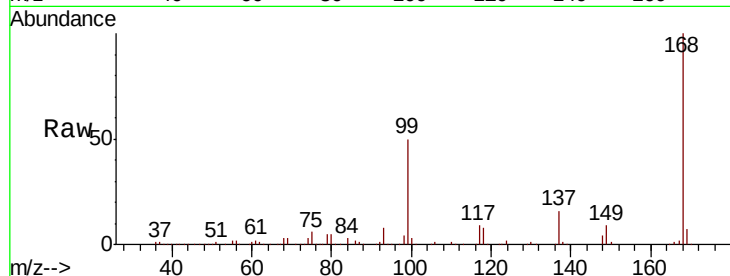
ClientSampleId :

Tot Ion:168 Resp: 191613

Ion Ratio Lower Upper

168 100

99 49.8 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

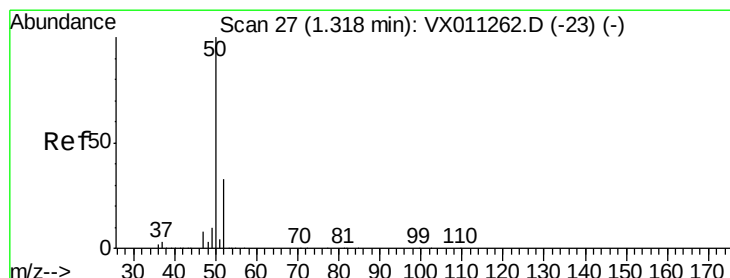
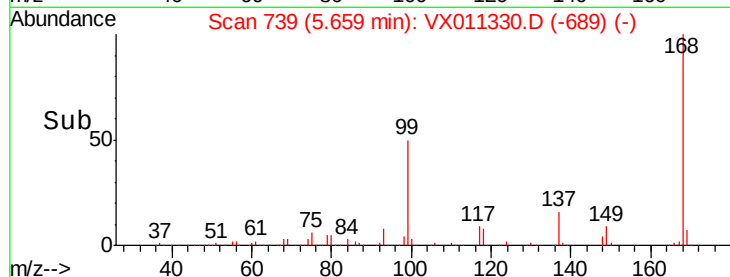
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.225 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011330.D

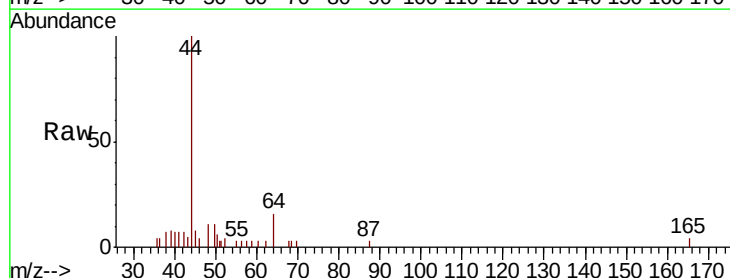
Acq: 05 Aug 2019 16:50

Tgt Ion: 50 Resp: 374

Ion Ratio Lower Upper

50 100

52 2.2 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

300

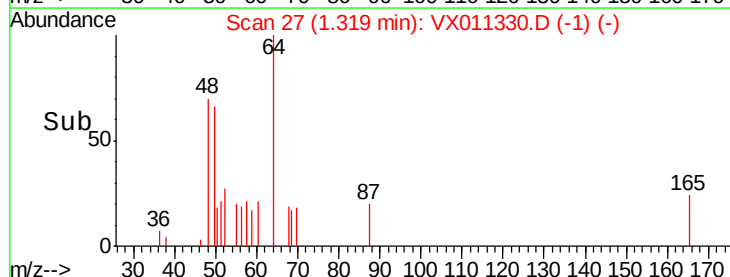
200

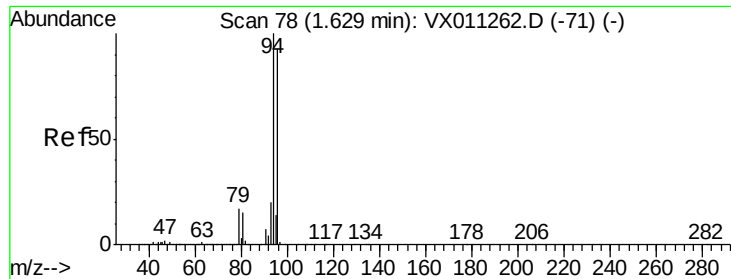
100

0

Time-->

1.28 1.30 1.32 1.34





#5

Bromomethane

Concen: 0.405 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.02 min

Lab File: VX011330.D

Acq: 05 Aug 2019 16:50

Instrument :

MSVOA_X

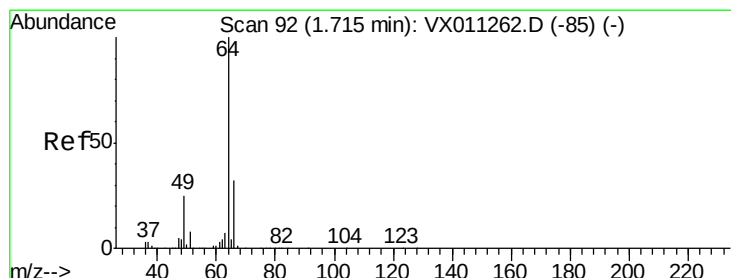
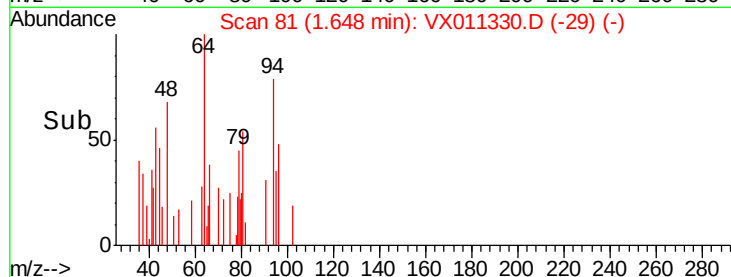
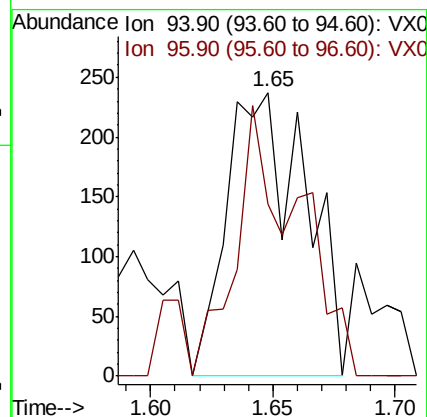
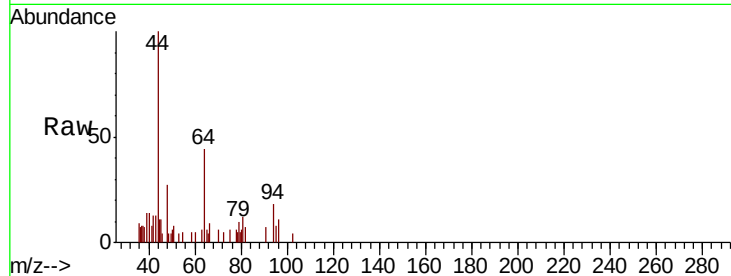
ClientSampled :

Tot Ion: 94 Resp: 528

Ion Ratio Lower Upper

94 100

96 60.8 74.6 112.0#



#6

Chloroethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. -0.07 min

Lab File: VX011330.D

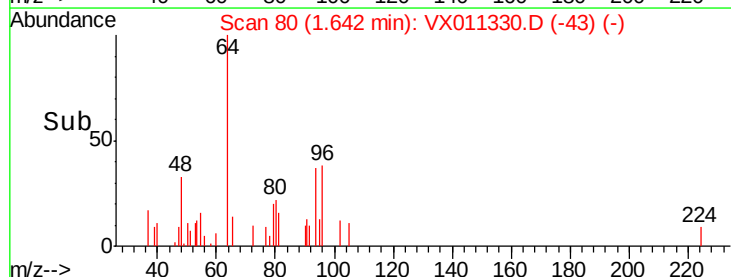
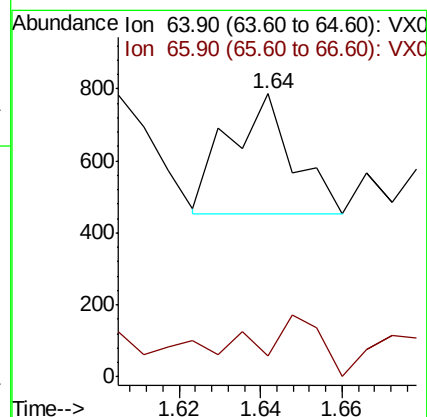
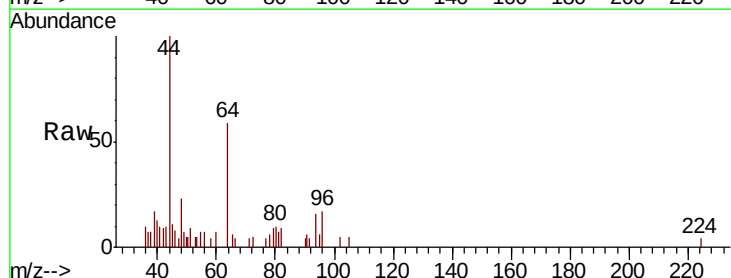
Acq: 05 Aug 2019 16:50

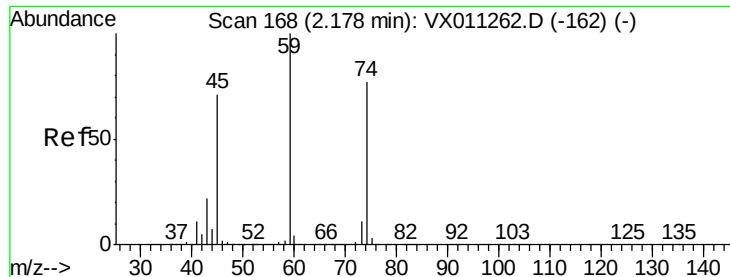
Tgt Ion: 64 Resp: 362

Ion Ratio Lower Upper

64 100

66 17.7 25.1 37.7#

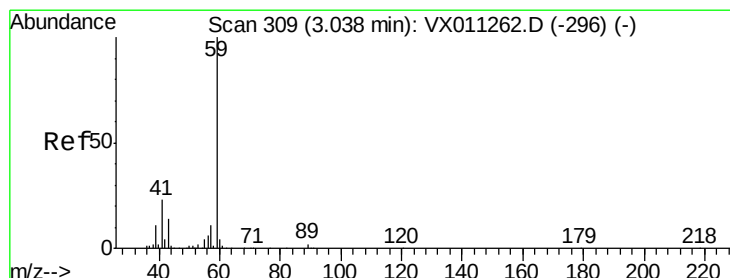
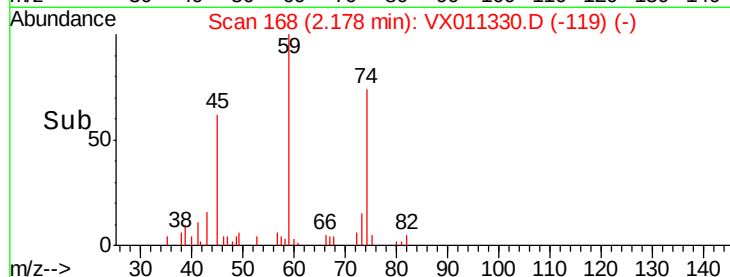
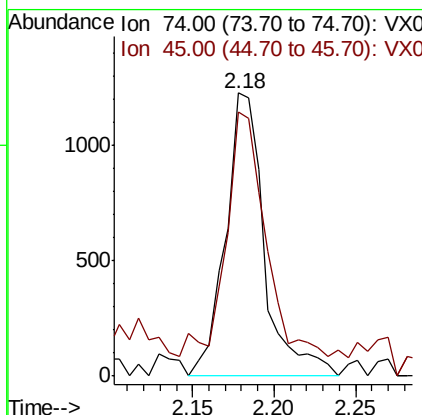
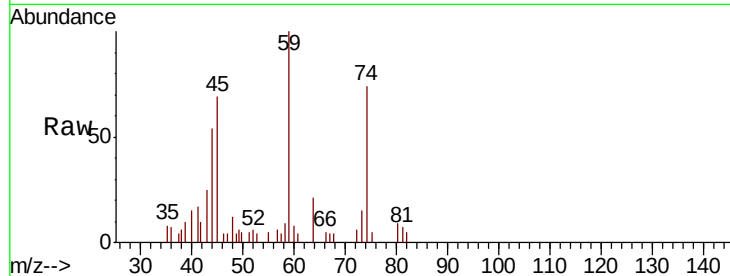




#8
Diethyl Ether
Concen: 1.751 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011330.D
Acq: 05 Aug 2019 16:50

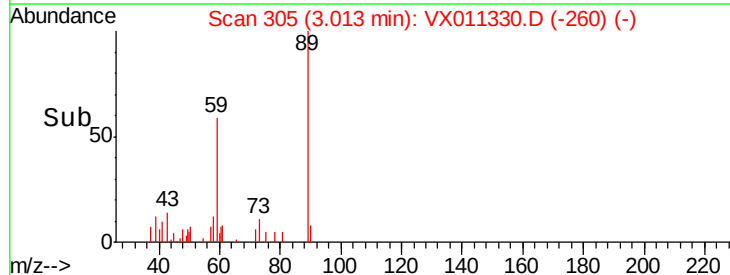
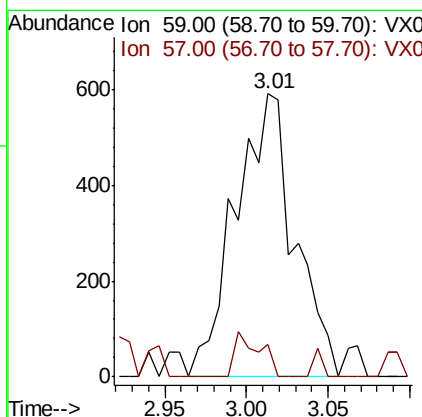
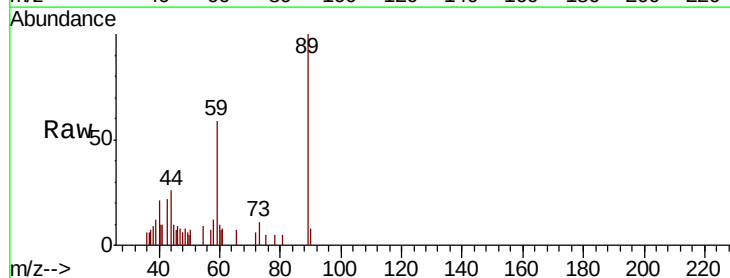
Instrument :
MSVOA_X
ClientSampleId :

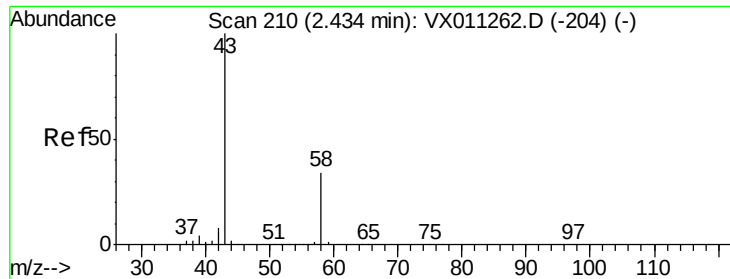
Tot Ion: 74 Resp: 2032
Ion Ratio Lower Upper
74 100
45 85.5 46.1 138.3



#11
Tert butyl alcohol
Concen: 3.918 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.02 min
Lab File: VX011330.D
Acq: 05 Aug 2019 16:50

Tgt Ion: 59 Resp: 1499
Ion Ratio Lower Upper
59 100
57 6.7 8.3 12.5#





#16

Acetone

Concen: 10.710 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011330.D

Acq: 05 Aug 2019 16:50

Instrument :

MSVOA_X

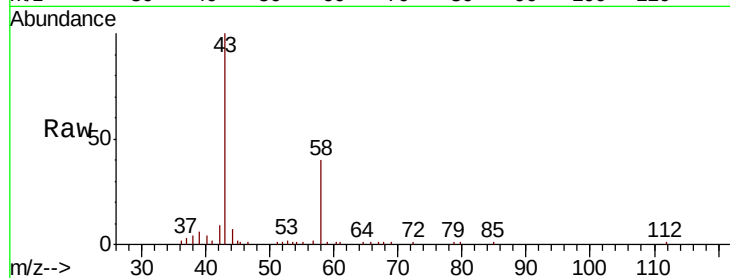
ClientSampleId :

Tot Ion: 43 Resp: 9837

Ion Ratio Lower Upper

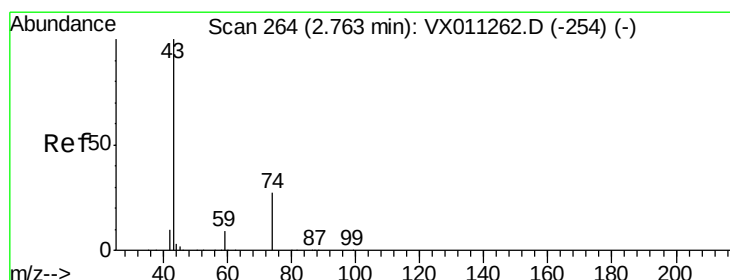
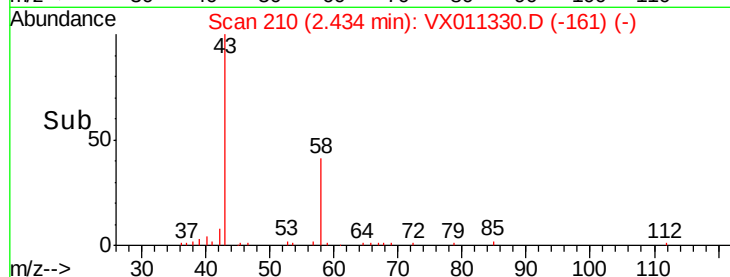
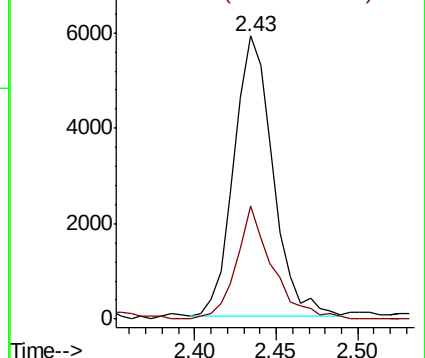
43 100

58 40.3 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.571 ug/l

RT: 2.77 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX011330.D

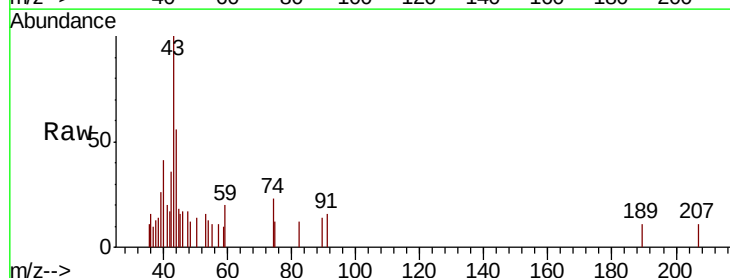
Acq: 05 Aug 2019 16:50

Tgt Ion: 43 Resp: 1198

Ion Ratio Lower Upper

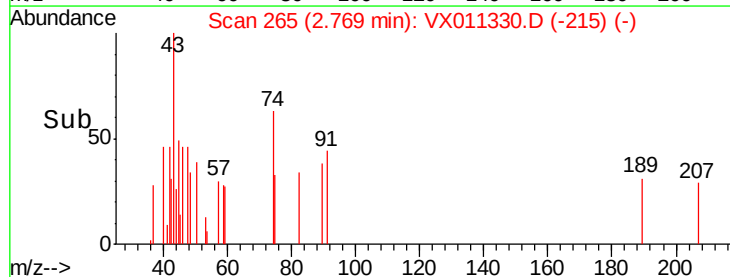
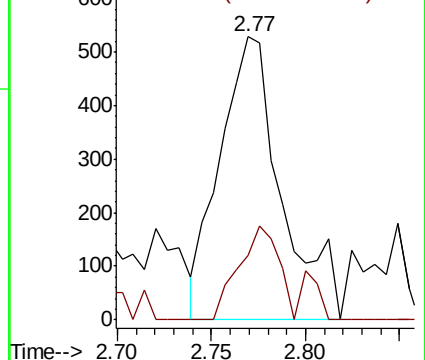
43 100

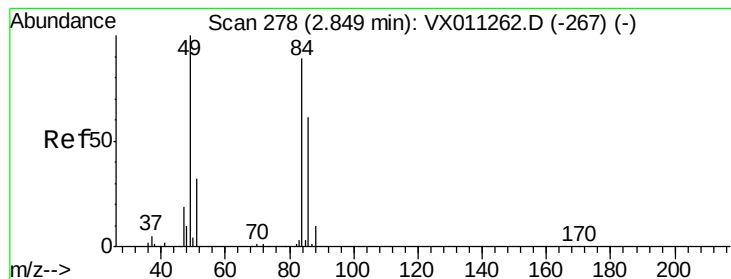
74 21.5 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#20

Methvlene Chloride

Concen: 2.151 ug/l

RT: 2.85 min Scan# 278

Delta R.T. 0.00 min

Lab File: VX011330.D

Acq: 05 Aug 2019 16:50

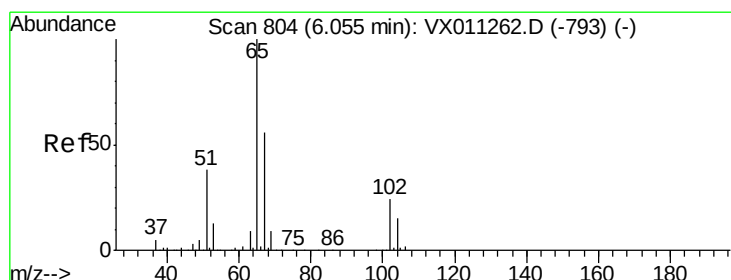
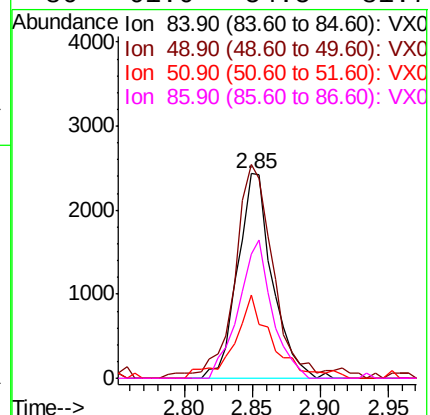
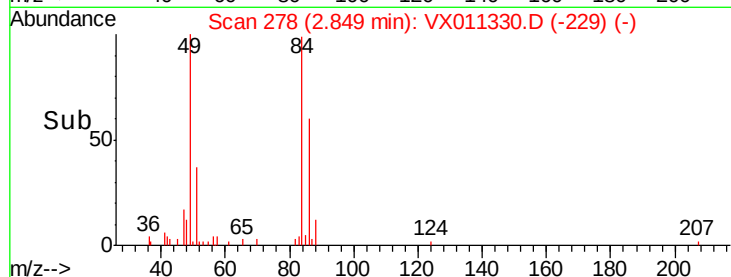
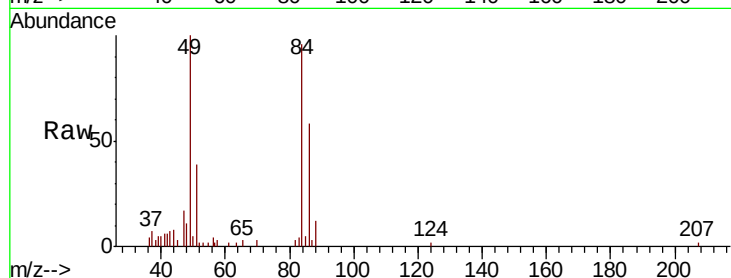
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 84 Resp: 4327

Ion	Ratio	Lower	Upper
84	100		
49	101.7	89.3	133.9
51	38.5	28.3	42.5
86	61.0	54.5	81.7



#33

1,2-Dichloroethane-d4

Concen: 48.255 ug/l

RT: 6.06 min Scan# 804

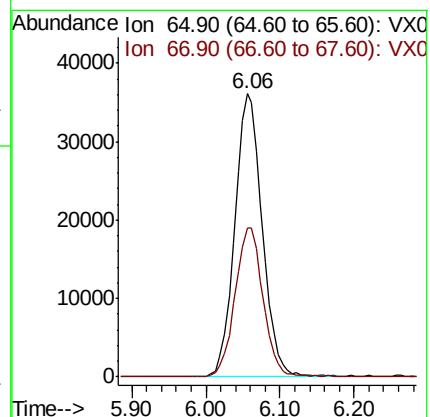
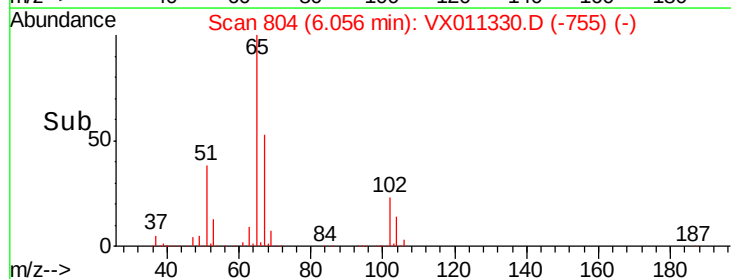
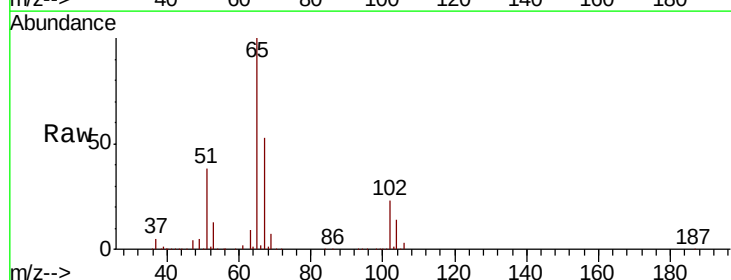
Delta R.T. 0.00 min

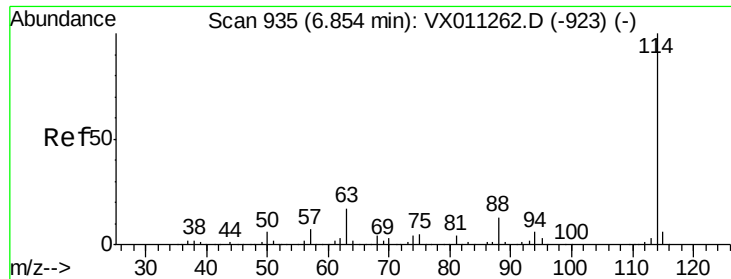
Lab File: VX011330.D

Acq: 05 Aug 2019 16:50

Tgt Ion: 65 Resp: 93115

Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	110.6

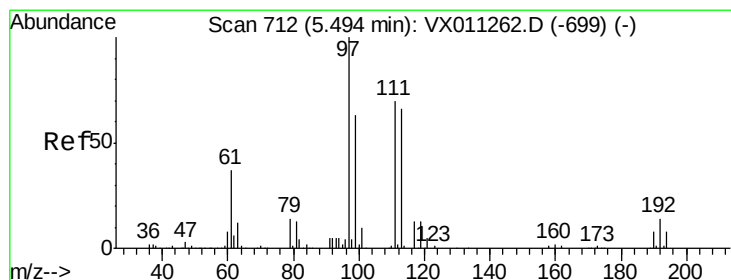
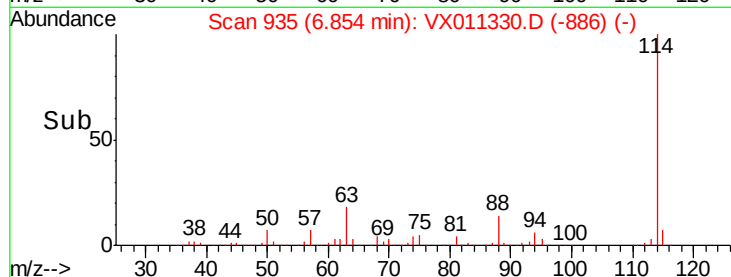
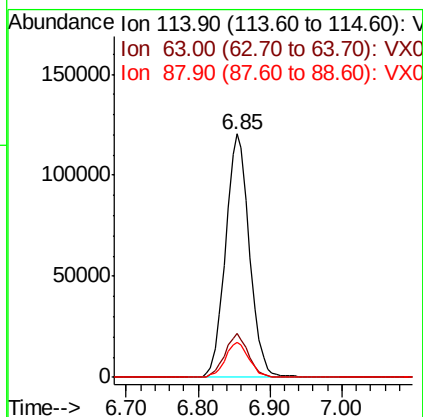
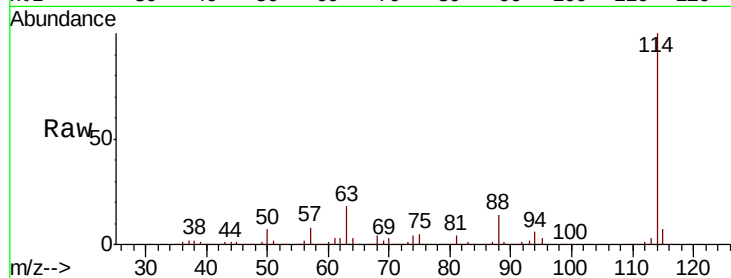




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011330.D
 Acq: 05 Aug 2019 16:50

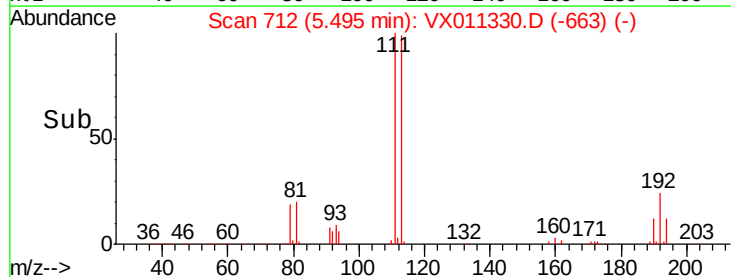
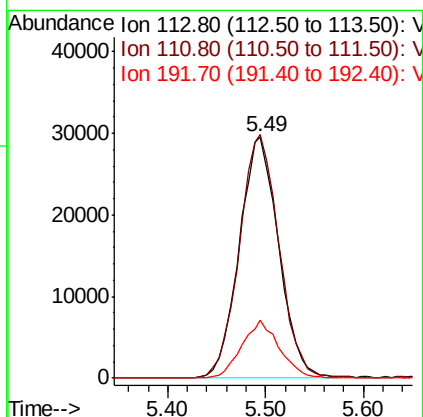
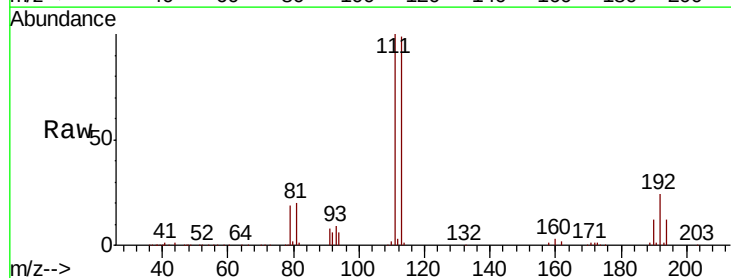
Instrument :
 MSVOA_X
 ClientSampleId :

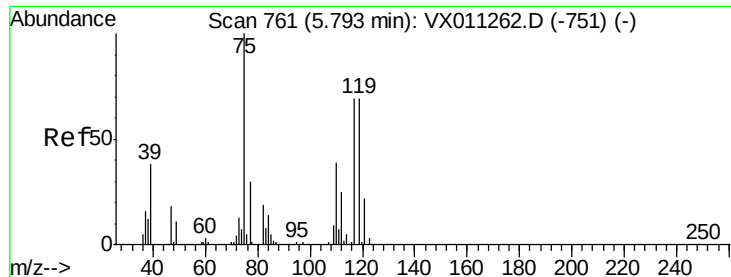
Tot Ion:114 Resp: 277012
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 34.0
 88 14.2 0.0 26.4



#35
 Dibromofluoromethane
 Concen: 45.825 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011330.D
 Acq: 05 Aug 2019 16:50

Tgt Ion:113 Resp: 82876
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.9 122.9
 192 22.7 17.8 26.8

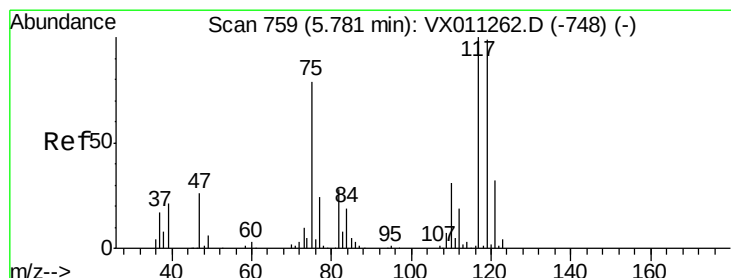
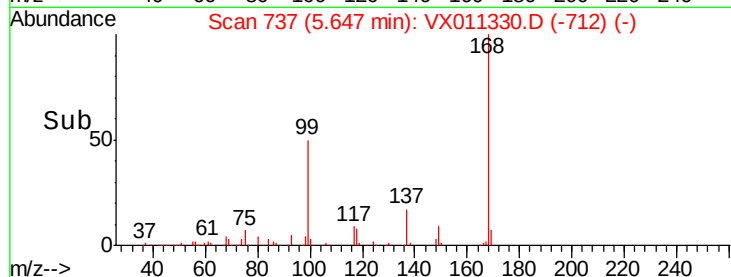
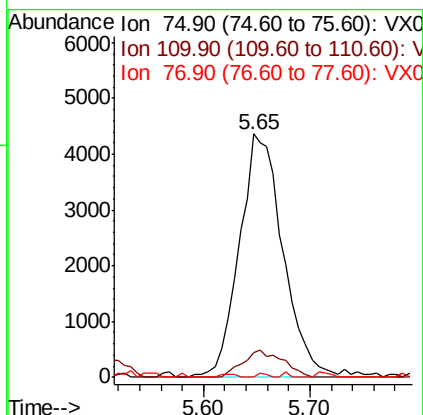
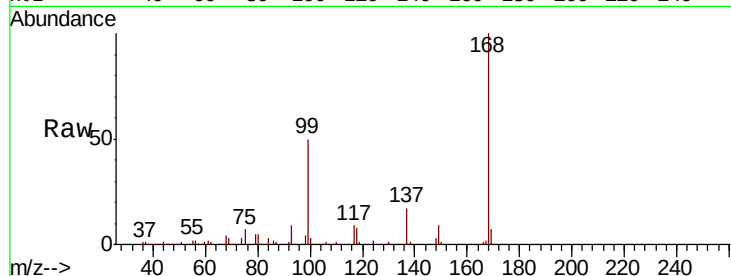




#36
 1,1-Dichloropropene
 Concen: 5.173 ug/l
 RT: 5.65 min Scan# 737
 Delta R.T. -0.15 min
 Lab File: VX011330.D
 Acq: 05 Aug 2019 16:50

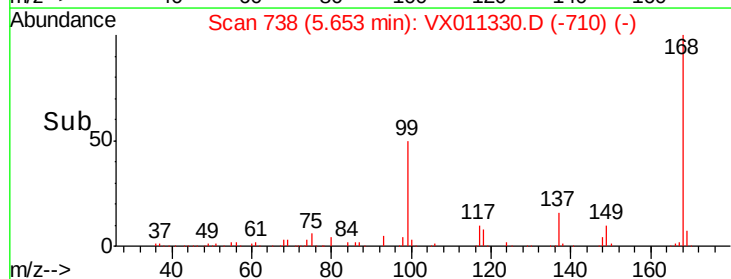
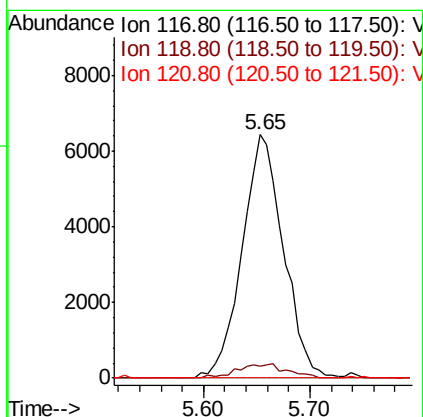
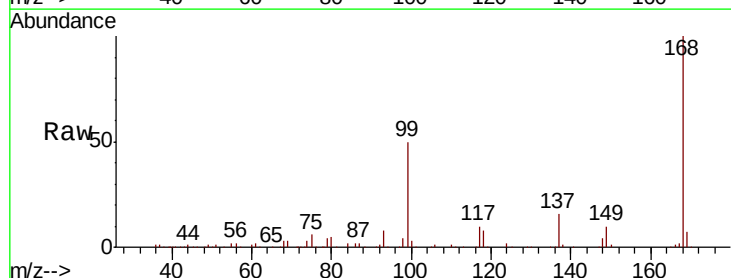
Instrument :
 MSVOA_X
 ClientSampleId :

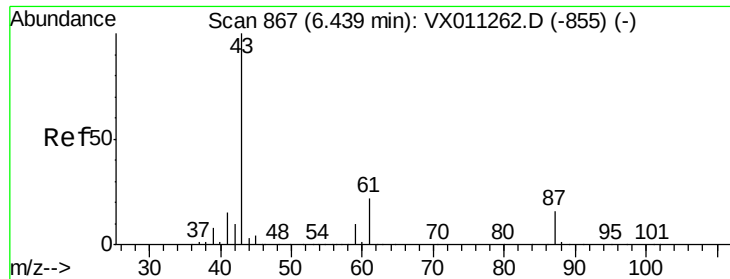
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.2	20.0	59.9#
77	0.4	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 7.180 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX011330.D
 Acq: 05 Aug 2019 16:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	79.0	118.4#
121	0.0	25.9	38.9#





#43

Isopropyl Acetate

Concen: 2.267 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.01 min

Lab File: VX011330.D

Acq: 05 Aug 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

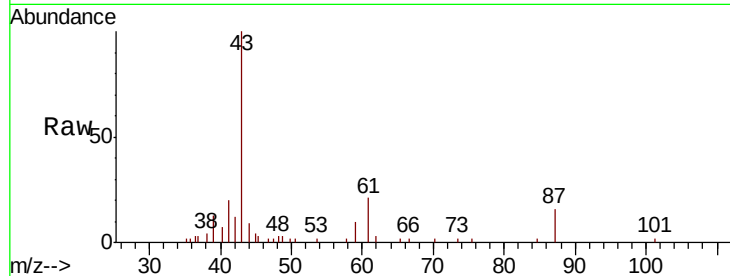
Tot Ion: 43 Resp: 8793

Ion Ratio Lower Upper

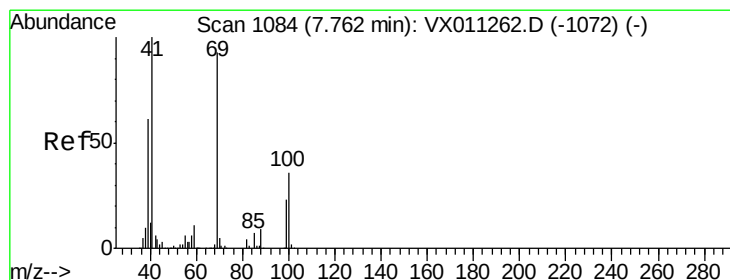
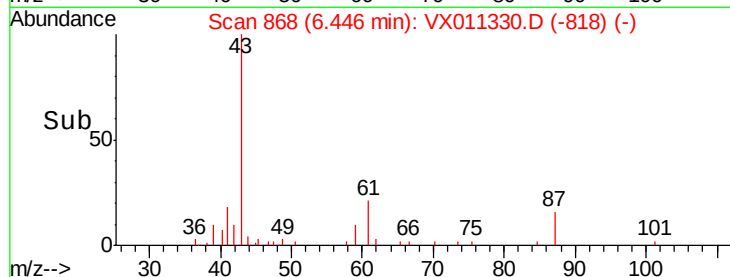
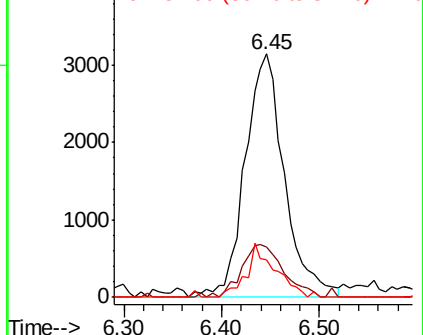
43 100

61 22.9 16.5 24.7

87 16.2 12.1 18.1



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: 2.043 ug/l

RT: 7.67 min Scan# 1069

Delta R.T. -0.09 min

Lab File: VX011330.D

Acq: 05 Aug 2019 16:50

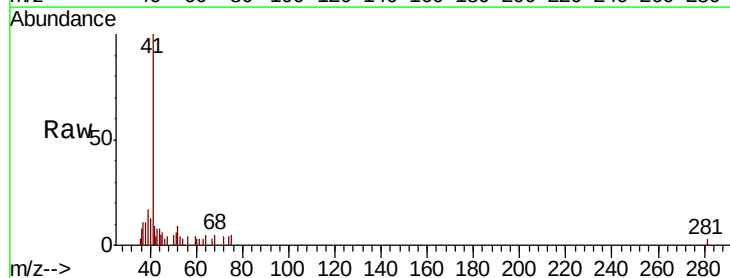
Tgt Ion: 41 Resp: 3730

Ion Ratio Lower Upper

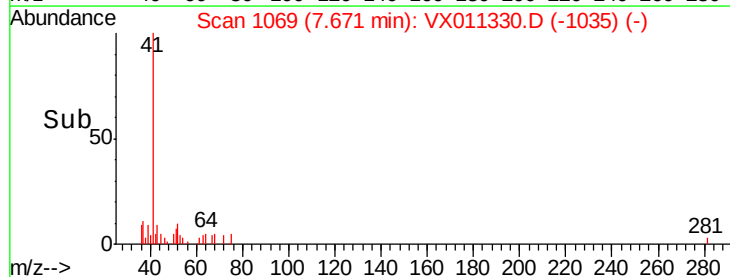
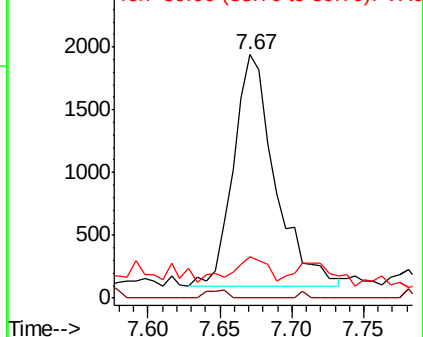
41 100

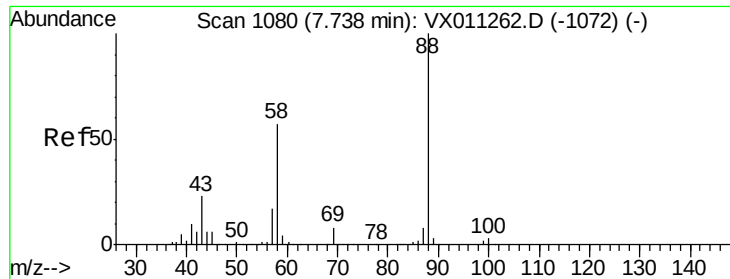
69 1.7 74.5 111.7#

39 0.0 48.6 72.8#



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: 2.513 ug/l

RT: 7.87 min Scan# 1102

Delta R.T. 0.13 min

Lab File: VX011330.D

Acq: 05 Aug 2019 16:50

Instrument :

MSVOA_X

ClientSampleId :

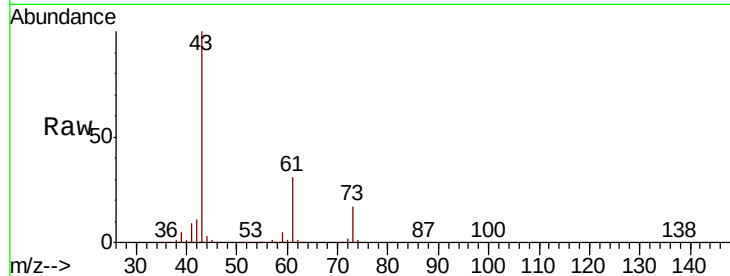
Tot Ion: 88 Resp: 133

Ion Ratio Lower Upper

88 100

43 434969.9 22.2 33.2#

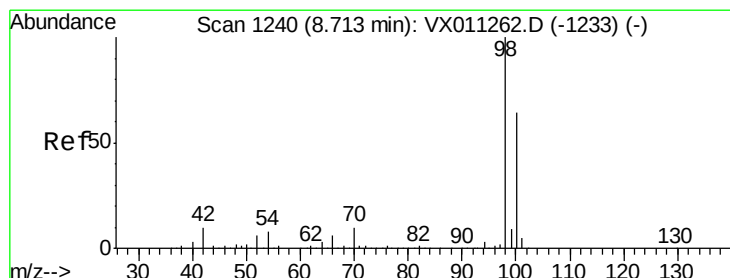
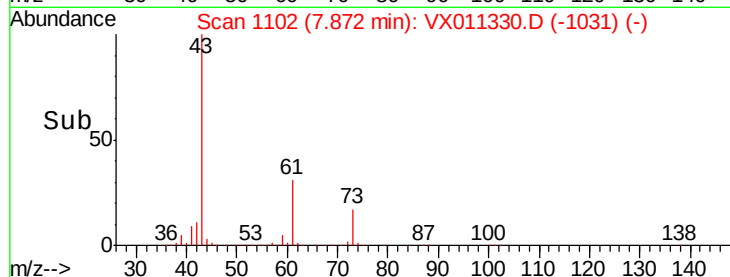
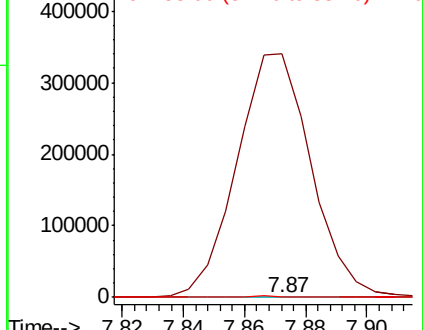
58 2354.9 47.8 71.8#



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: 48.350 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011330.D

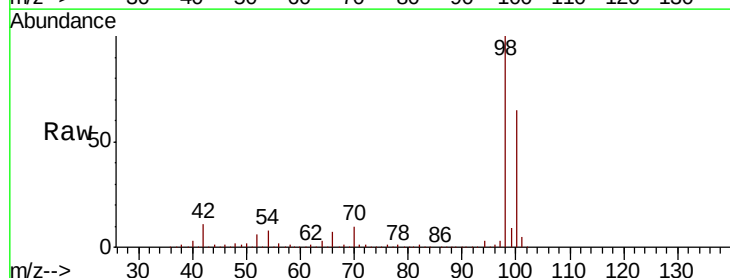
Acq: 05 Aug 2019 16:50

Tgt Ion: 98 Resp: 330075

Ion Ratio Lower Upper

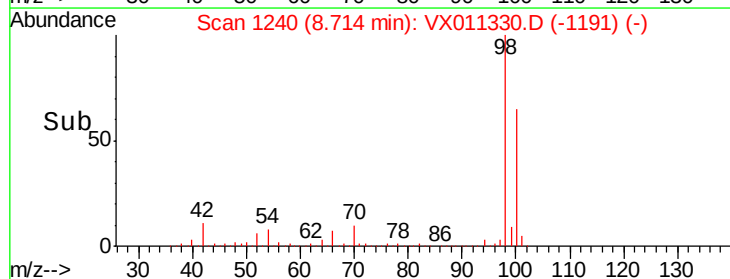
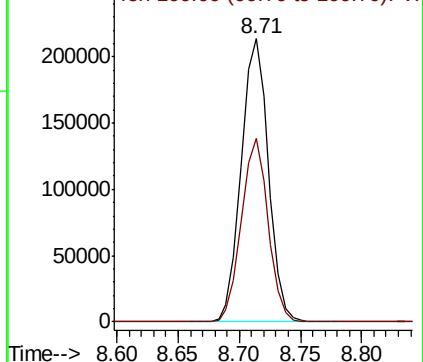
98 100

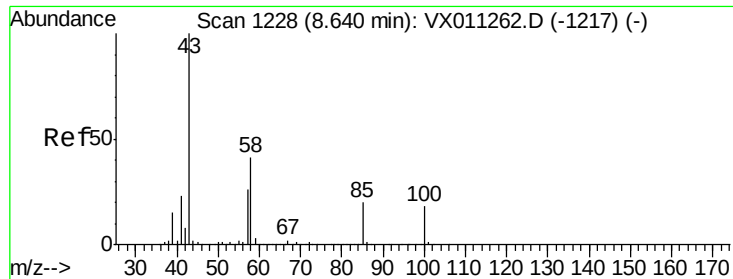
100 63.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 16.708 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. -0.03 min

Lab File: VX011330.D

Acq: 05 Aug 2019 16:50

Instrument :

MSVOA_X

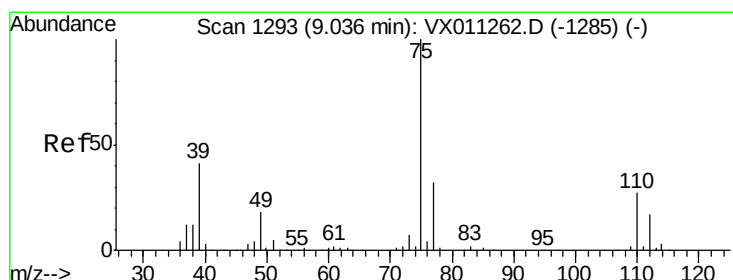
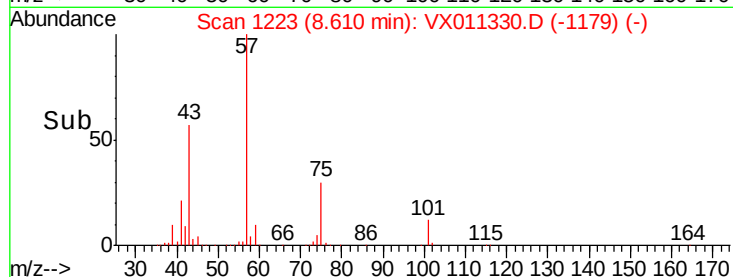
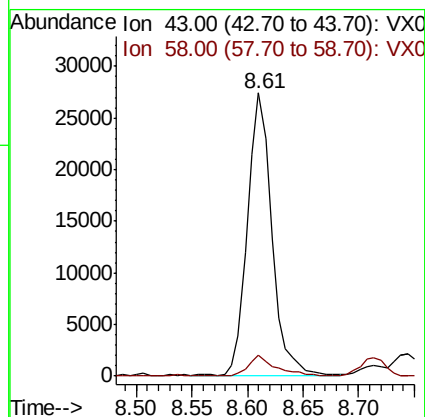
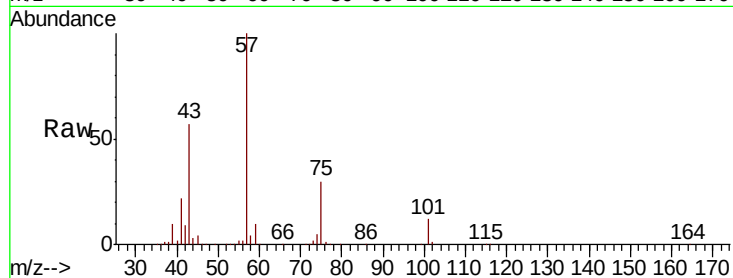
ClientSampleId :

Tot Ion: 43 Resp: 41823

Ion Ratio Lower Upper

43 100

58 8.3 32.3 48.5#



#53

t-1,3-Dichloropropene

Concen: 2.858 ug/l

RT: 9.01 min Scan# 1288

Delta R.T. -0.03 min

Lab File: VX011330.D

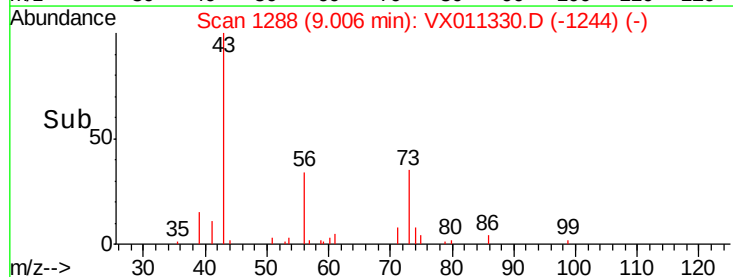
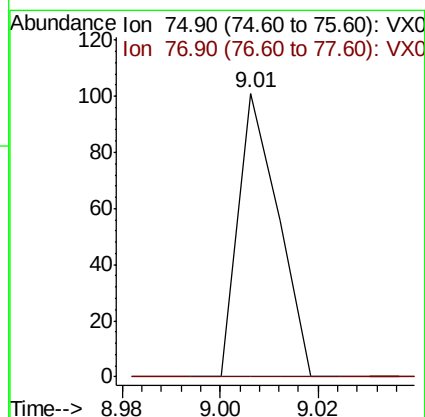
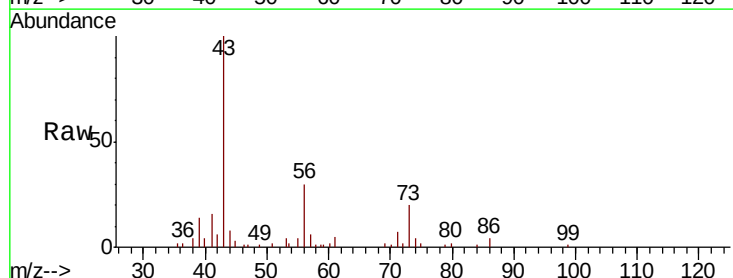
Acq: 05 Aug 2019 16:50

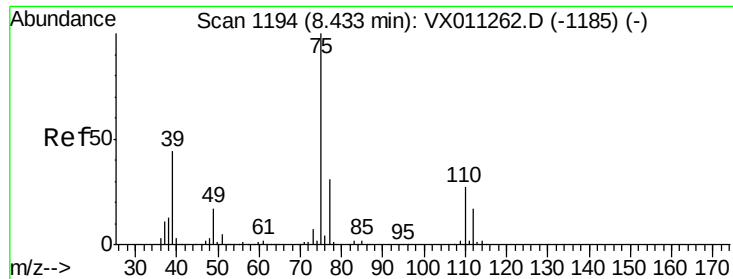
Tgt Ion: 75 Resp: 57

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



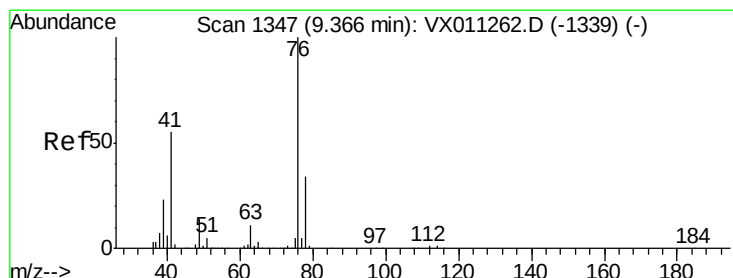
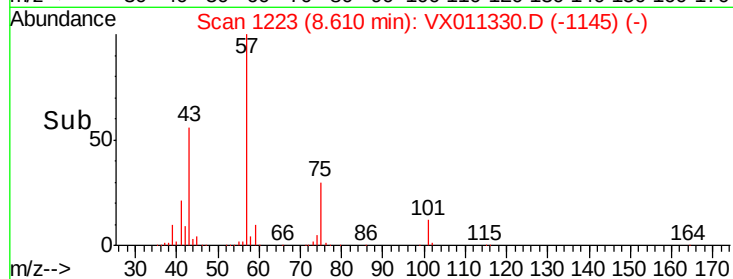
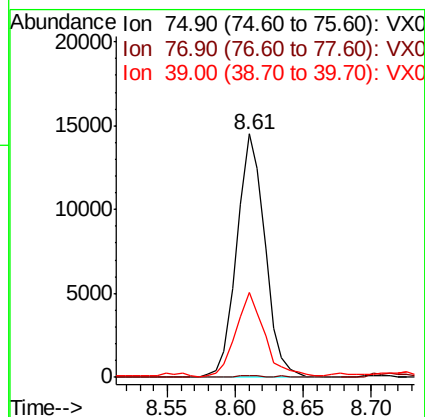
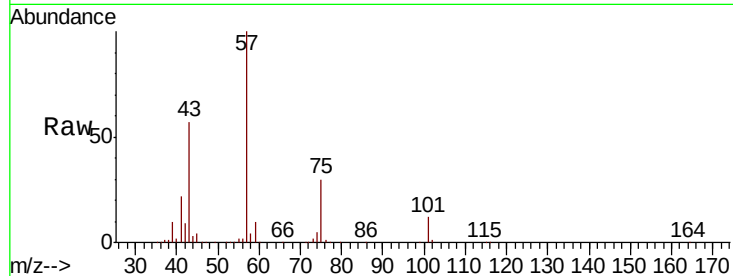


#54

cis-1,3-Dichloropropene
 Concen: 7.770 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. 0.18 min
 Lab File: VX011330.D
 Acq: 05 Aug 2019 16:50

Instrument :
 MSVOA_X
 ClientSampleId :

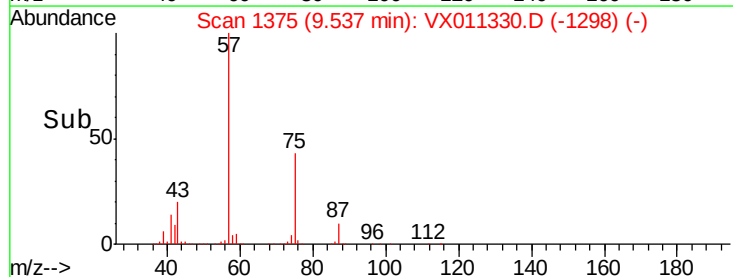
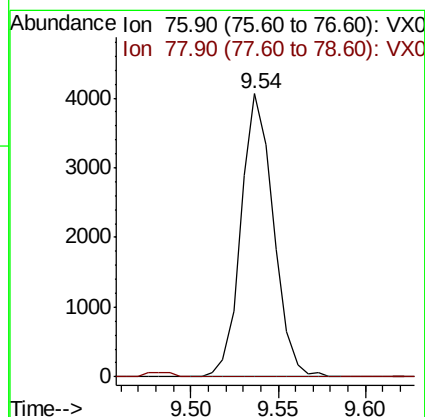
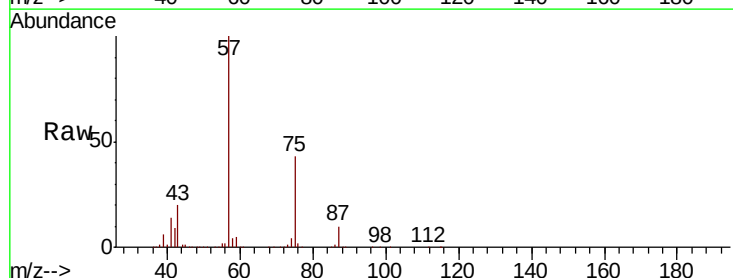
Tot Ion: 75 Resp: 20969
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.0 37.6#
 39 34.1 35.3 52.9#

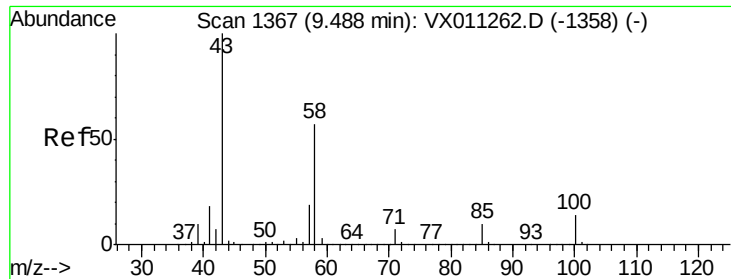


#57

1,3-Dichloropropane
 Concen: 1.684 ug/l
 RT: 9.54 min Scan# 1375
 Delta R.T. 0.17 min
 Lab File: VX011330.D
 Acq: 05 Aug 2019 16:50

Tgt Ion: 76 Resp: 5224
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.6 40.0#

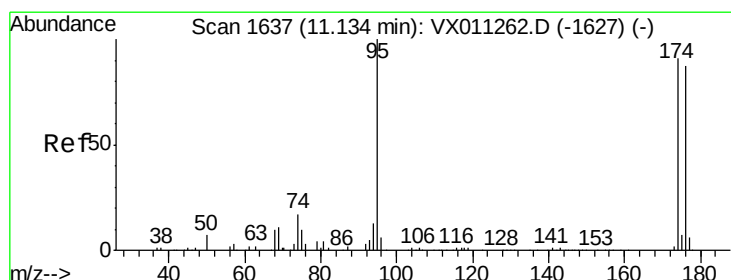
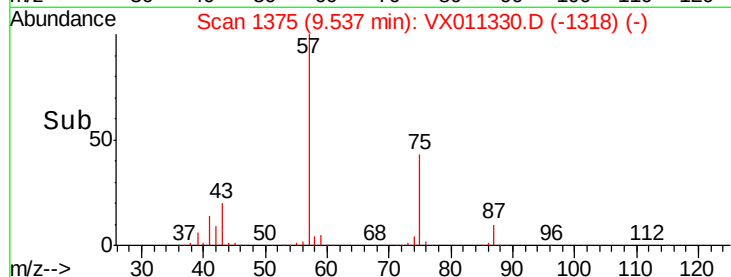
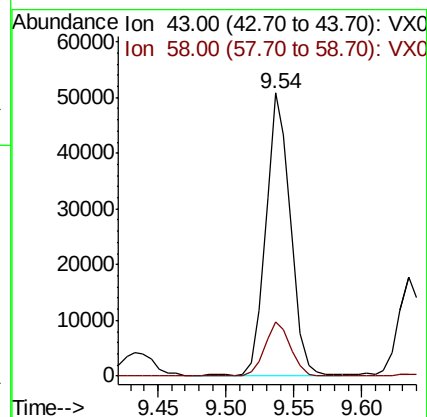
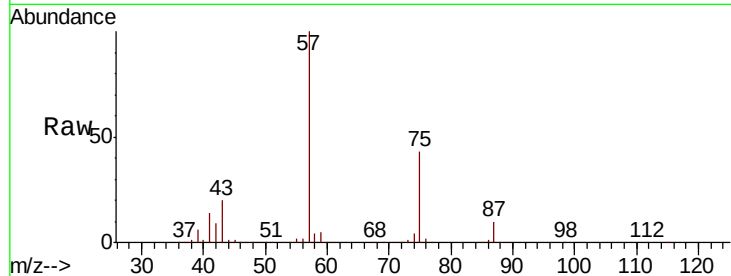




#59
2-Hexanone
Concen: 33.151 ug/l
RT: 9.54 min Scan# 1375
Delta R.T. 0.05 min
Lab File: VX011330.D
Acq: 05 Aug 2019 16:50

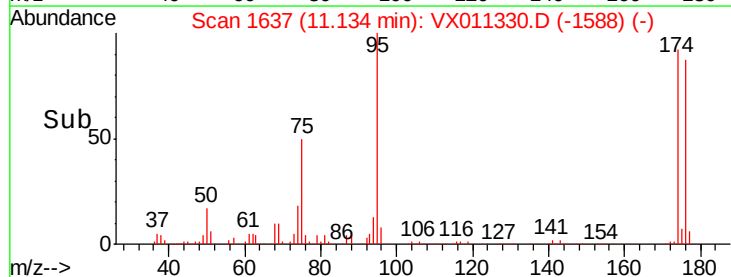
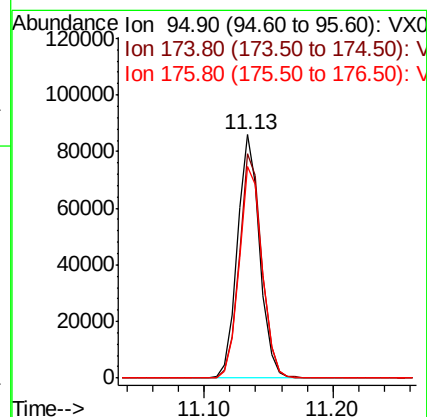
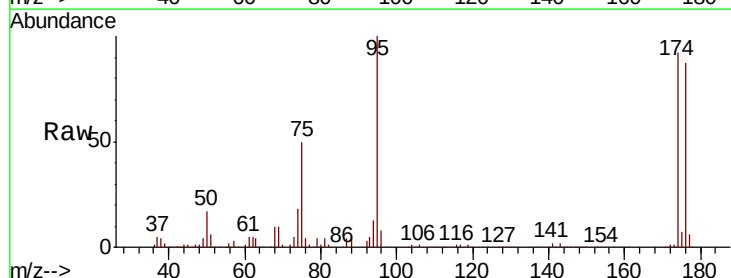
Instrument :
MSVOA_X
ClientSampled :

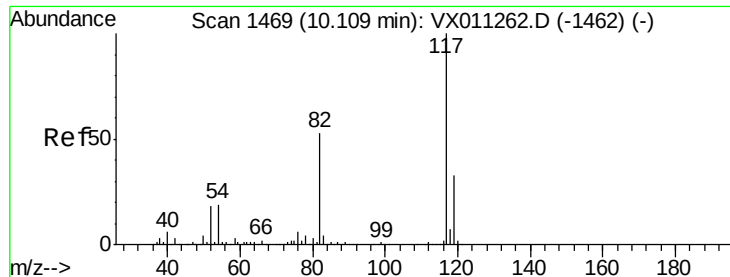
Tot Ion: 43 Resp: 64274
Ion Ratio Lower Upper
43 100
58 20.3 28.2 84.6#



#62
4-Bromofluorobenzene
Concen: 42.617 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011330.D
Acq: 05 Aug 2019 16:50

Tgt Ion: 95 Resp: 103871
Ion Ratio Lower Upper
95 100
174 93.3 0.0 191.2
176 89.7 0.0 184.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011330.D

Acq: 05 Aug 2019 16:50

Instrument :

MSVOA_X

ClientSampled :

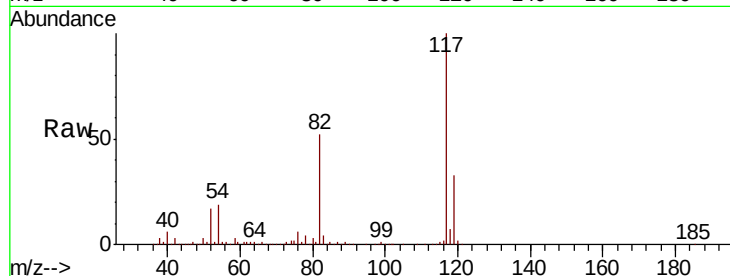
Tot Ion:117 Resp: 251629

Ion Ratio Lower Upper

117 100

82 52.3 42.2 63.2

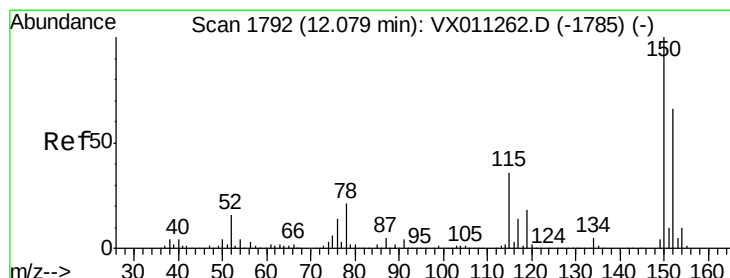
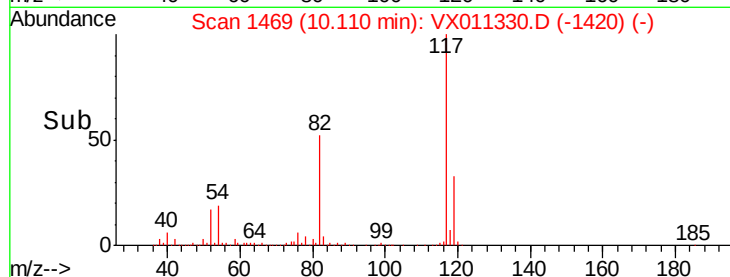
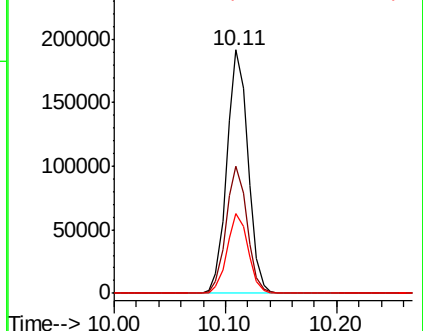
119 32.6 26.6 39.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011330.D

Acq: 05 Aug 2019 16:50

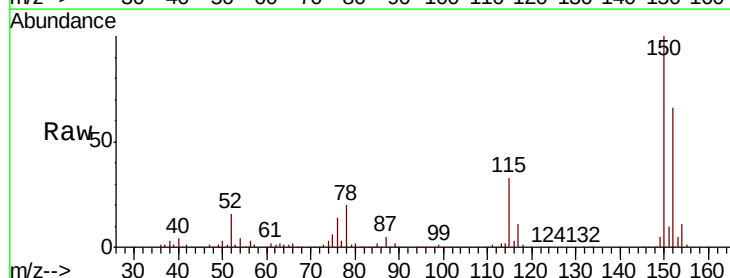
Tgt Ion:152 Resp: 109483

Ion Ratio Lower Upper

152 100

115 54.7 40.0 119.9

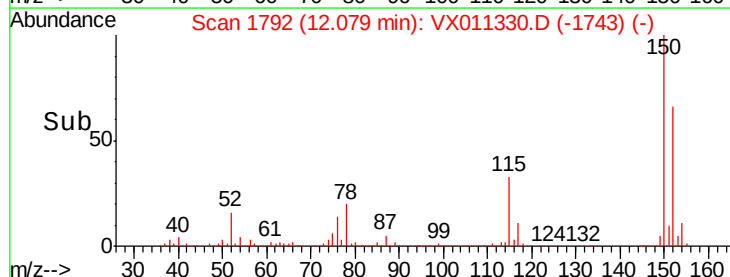
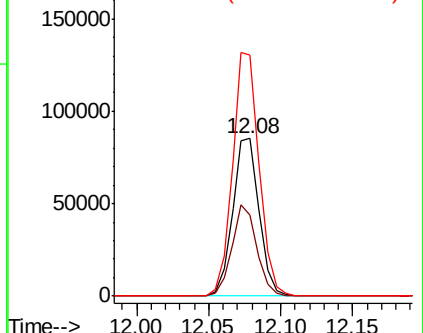
150 155.2 0.0 350.4

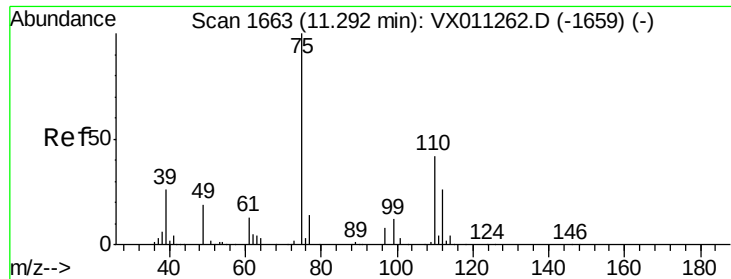


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.029 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011330.D

Acq: 05 Aug 2019 16:50

Instrument :

MSVOA_X

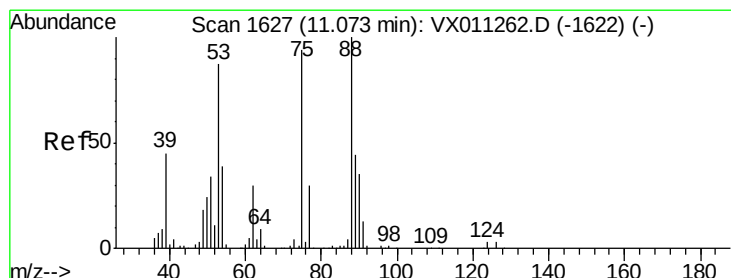
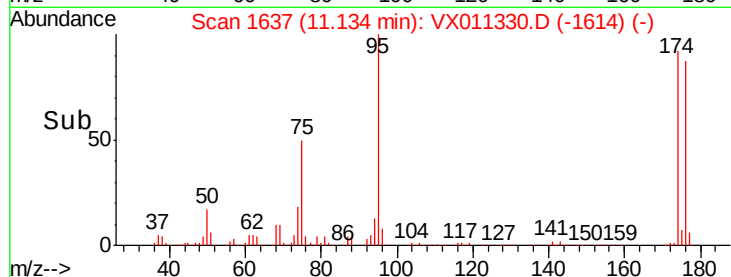
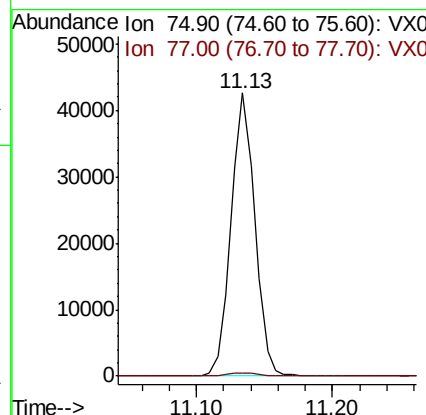
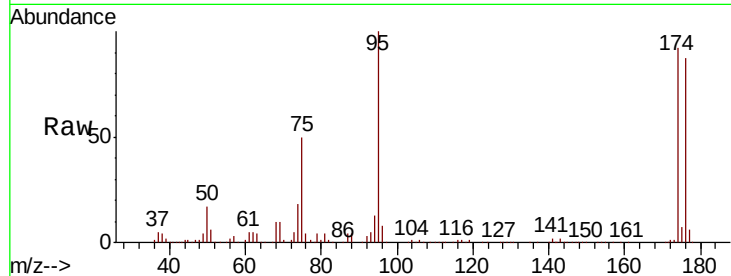
ClientSampled :

Tot Ion: 75 Resp: 51897

Ion Ratio Lower Upper

75 100

77 1.5 21.1 63.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.738 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011330.D

Acq: 05 Aug 2019 16:50

Tgt Ion: 75 Resp: 51897

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.4#

89 0.0 37.9 56.9#

