

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX073019\
 Data File : VX011206.D
 Acq On : 30 Jul 2019 19:37
 Operator : JC/SP
 Sample : K4026-07DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0675DL

Quant Time: Jul 31 08:42:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	207762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	296892	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	270264	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	127241	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	102660	46.45	ug/l	0.00
Spiked Amount			Recovery	=	92.90%	
35) Dibromofluoromethane	5.49	113	86988	46.16	ug/l	0.00
Spiked Amount			Recovery	=	92.32%	
50) Toluene-d8	8.71	98	344664	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	
62) 4-Bromofluorobenzene	11.13	95	117134	45.09	ug/l	0.00
Spiked Amount			Recovery	=	90.18%	

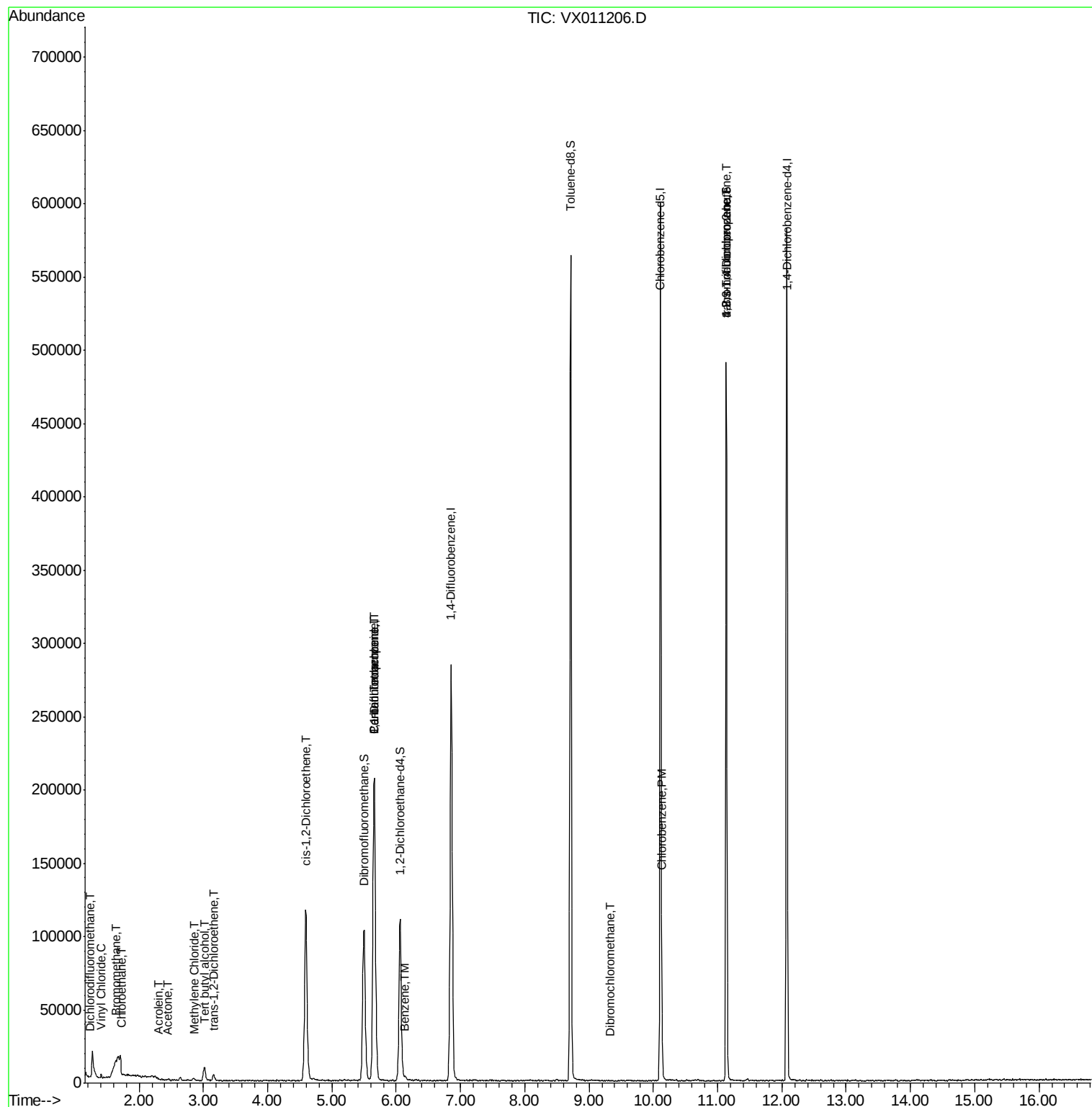
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.23	85	29	0.559	ug/l #	43
4) Vinyl Chloride	1.41	62	1753	0.900	ug/l #	84
5) Bromomethane	1.64	94	662	0.603	ug/l #	56
6) Chloroethane	1.73	64	264	0.213	ug/l #	41
11) Tert butyl alcohol	3.02	59	5202	10.106	ug/l #	76
13) Acrolein	2.30	56	92	0.309	ug/l #	8
16) Acetone	2.45	43	1027	1.029	ug/l	96
20) Methylene Chloride	2.86	84	712	0.337	ug/l #	75
21) trans-1,2-Dichloroethene	3.17	96	1817	0.925	ug/l #	74
27) cis-1,2-Dichloroethene	4.59	96	79042	34.782	ug/l	90
36) 1,1-Dichloropropene	5.65	75	13888	5.695	ug/l #	49
38) Carbon Tetrachloride	5.66	117	19108	7.519	ug/l #	21
40) Benzene	6.13	78	2563	0.343	ug/l #	81
60) Dibromochloromethane	9.32	129	23	2.537	ug/l #	11
65) Chlorobenzene	10.13	112	9645	1.738	ug/l	90
76) 1,2,3-Trichloropropane	11.13	75	60243	26.237	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	60243	65.161	ug/l #	11

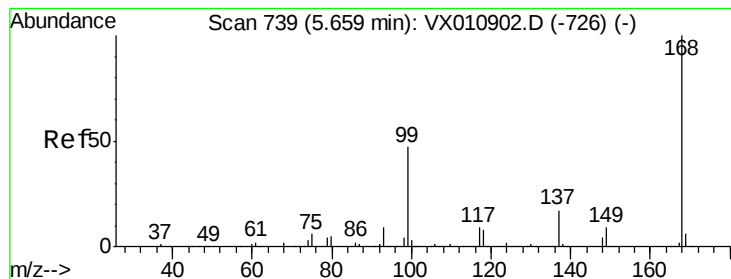
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX011206.D

Acq: 30 Jul 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

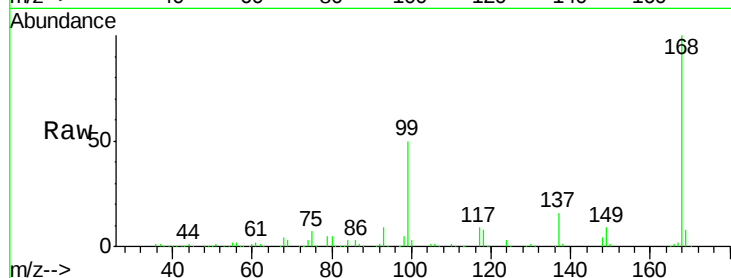
Z3-0675DL

Tgt Ion:168 Resp: 207762

Ion Ratio Lower Upper

168 100

99 49.6 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

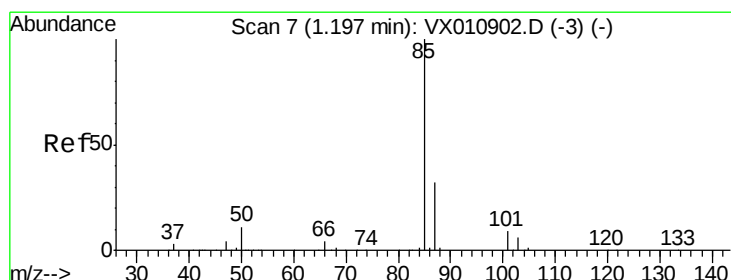
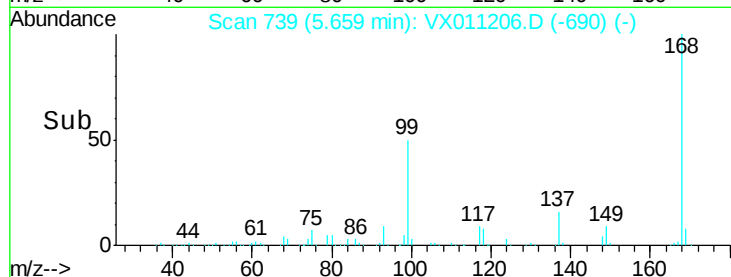
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.559 ug/l

RT: 1.23 min Scan# 13

Delta R.T. 0.04 min

Lab File: VX011206.D

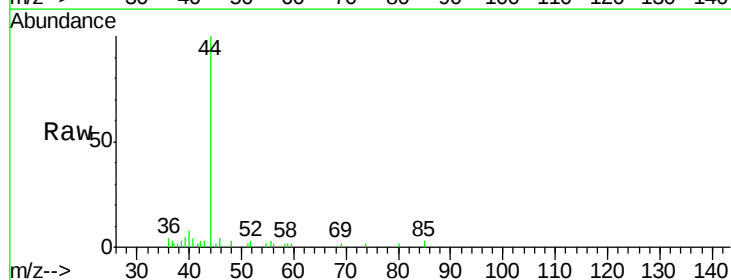
Acq: 30 Jul 2019 19:37

Tgt Ion: 85 Resp: 29

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.23

80

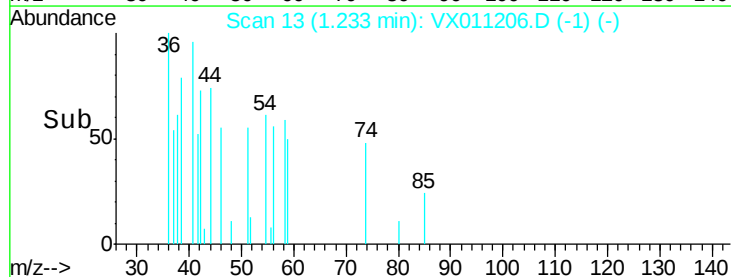
60

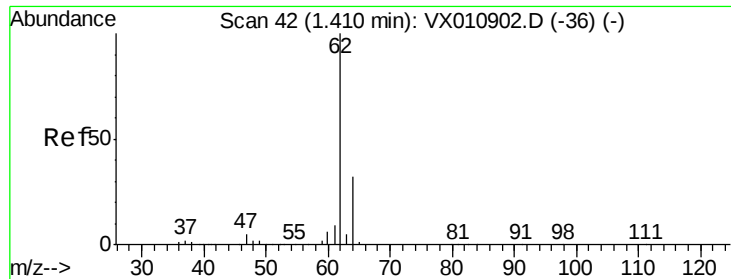
40

20

0

Time--> 1.21 1.22 1.23 1.24 1.25





#4

Vinyl Chloride

Concen: 0.900 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX011206.D

Acq: 30 Jul 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

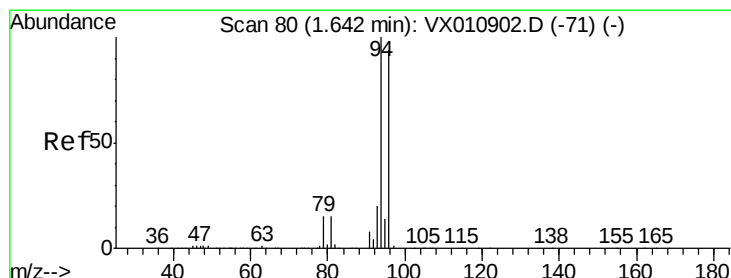
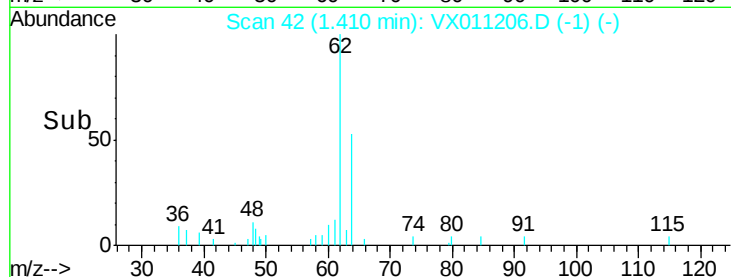
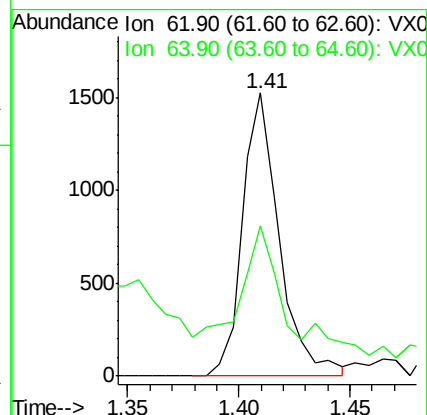
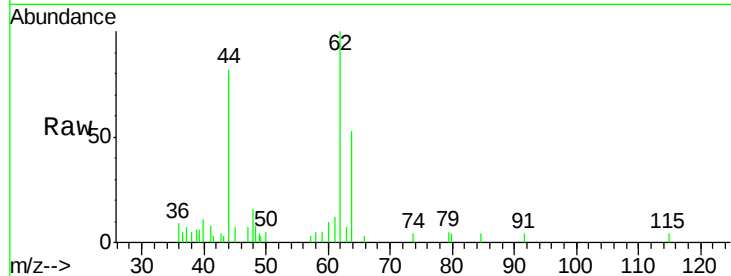
Z3-0675DL

Tgt Ion: 62 Resp: 1753

Ion Ratio Lower Upper

62 100

64 40.9 25.7 38.5#



#5

Bromomethane

Concen: 0.603 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX011206.D

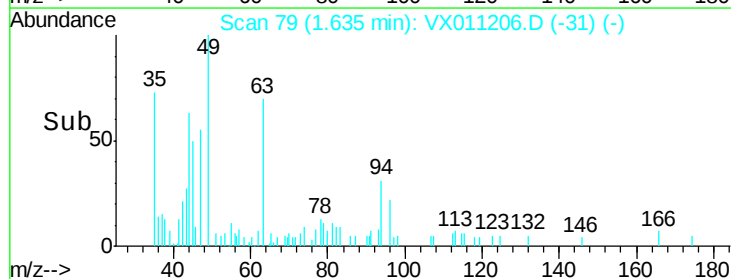
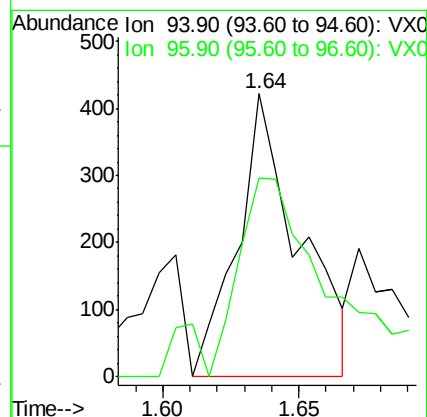
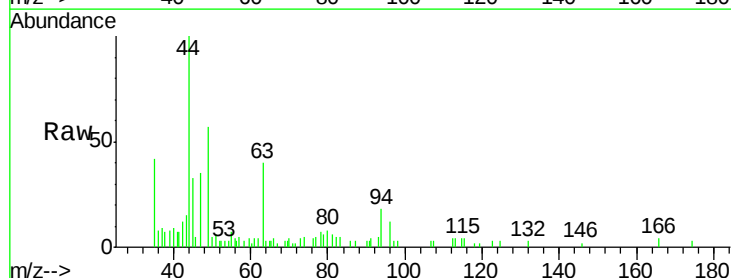
Acq: 30 Jul 2019 19:37

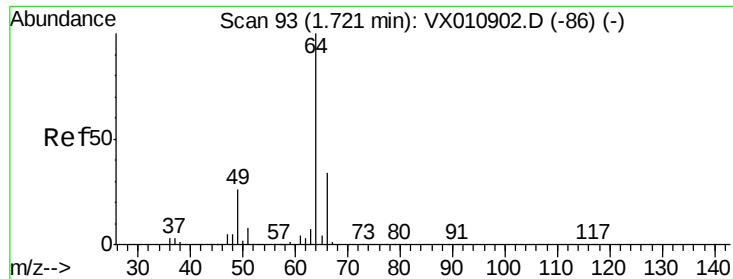
Tgt Ion: 94 Resp: 662

Ion Ratio Lower Upper

94 100

96 51.4 75.6 113.4#





#6

Chloroethane

Concen: 0.213 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX011206.D

Acq: 30 Jul 2019 19:37

Instrument :

MSVOA_X

ClientSampled :

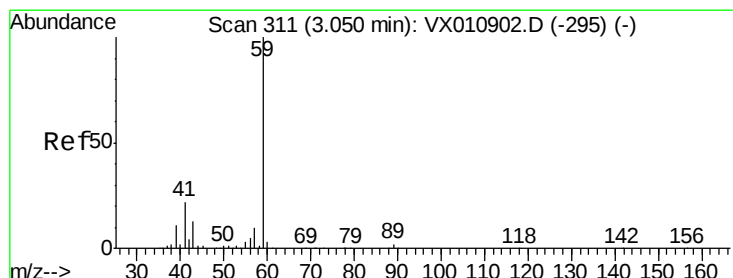
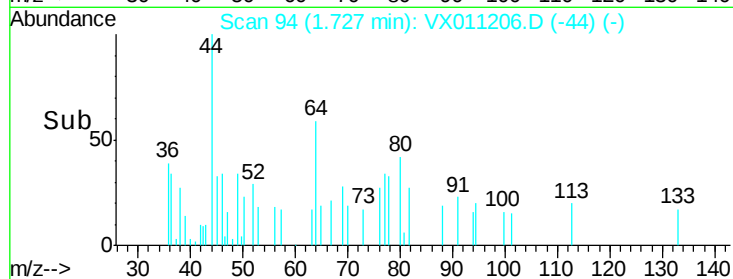
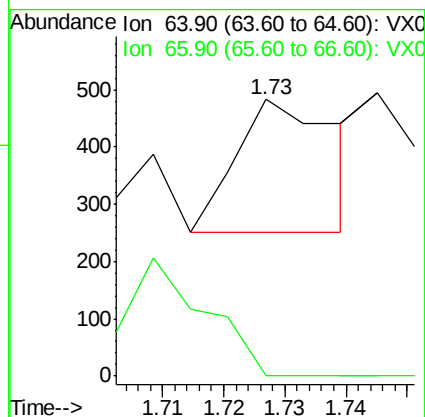
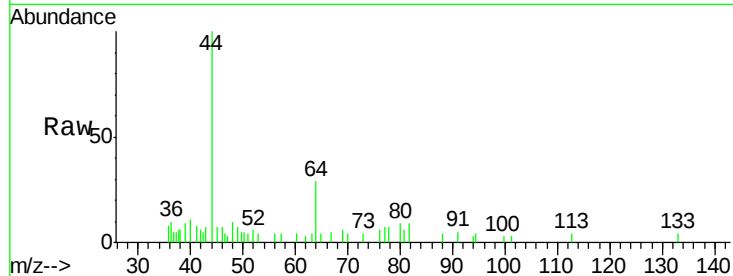
Z3-0675DL

Tgt Ion: 64 Resp: 264

Ion Ratio Lower Upper

64 100

66 0.0 27.0 40.6#



#11

Tert butyl alcohol

Concen: 10.106 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX011206.D

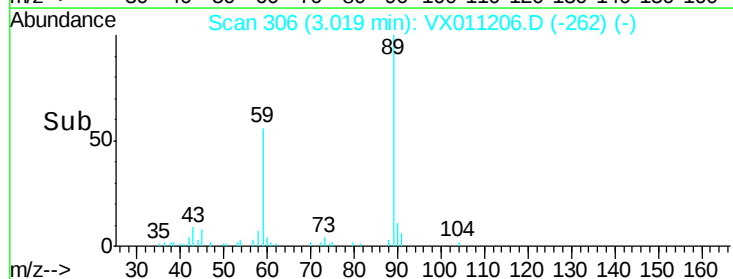
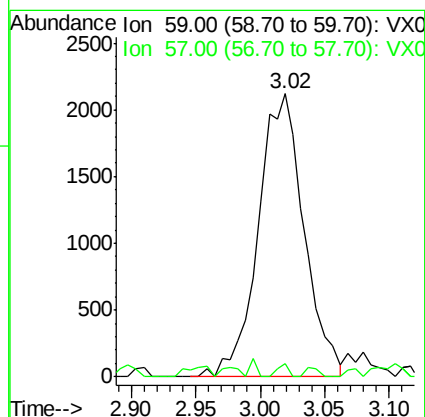
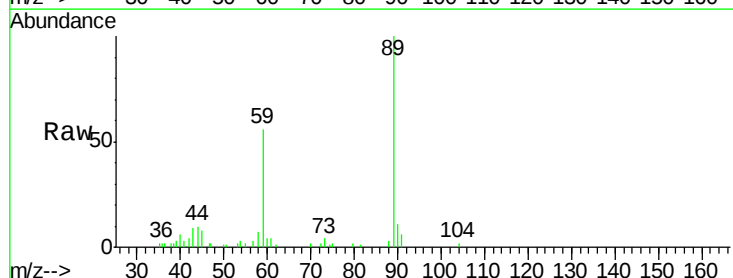
Acq: 30 Jul 2019 19:37

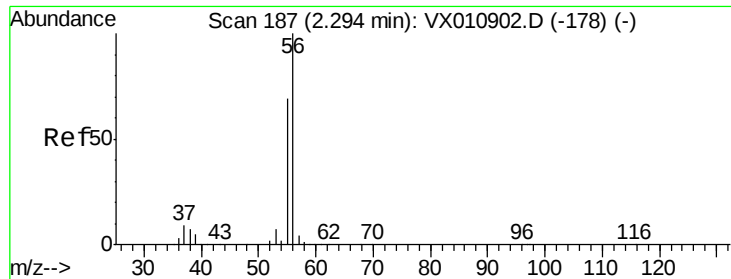
Tgt Ion: 59 Resp: 5202

Ion Ratio Lower Upper

59 100

57 1.1 7.9 11.9#





#13

Acrolein

Concen: 0.309 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX011206.D

Acq: 30 Jul 2019 19:37

Instrument :

MSVOA_X

ClientSampled :

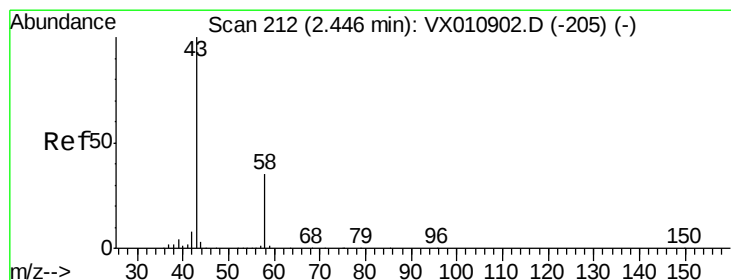
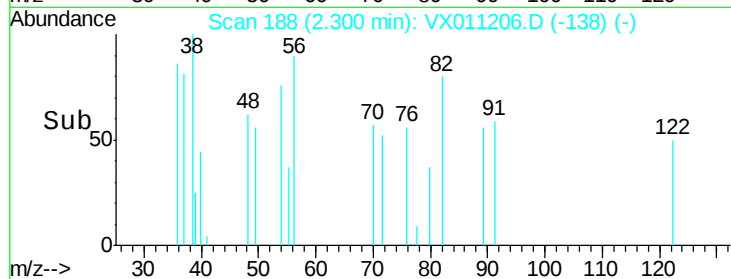
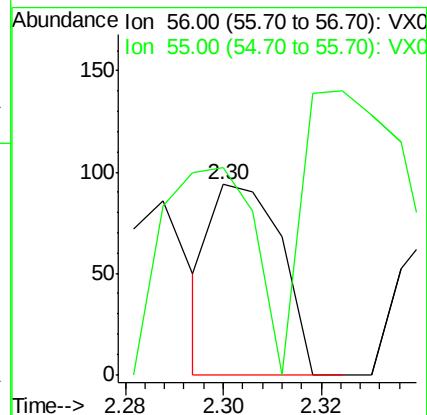
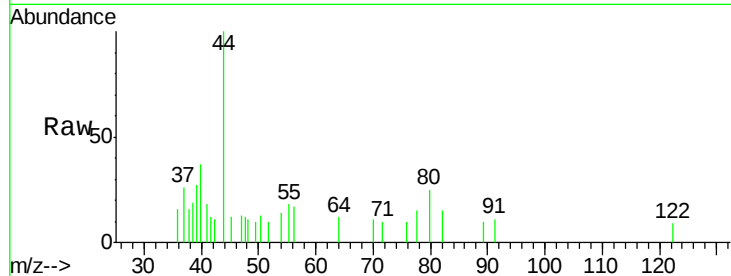
Z3-0675DL

Tgt Ion: 56 Resp: 92

Ion Ratio Lower Upper

56 100

55 145.7 55.9 83.9#



#16

Acetone

Concen: 1.029 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX011206.D

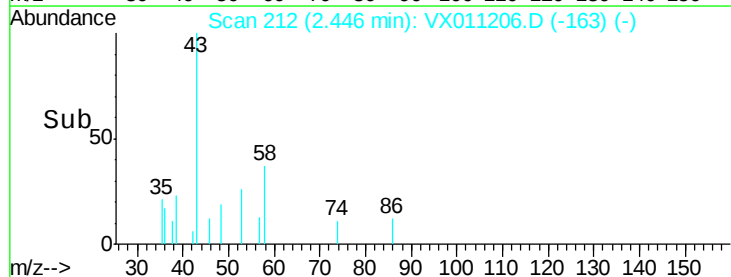
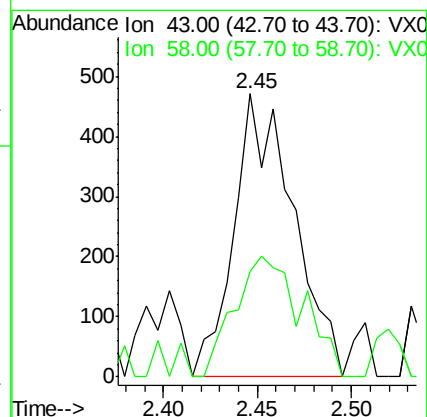
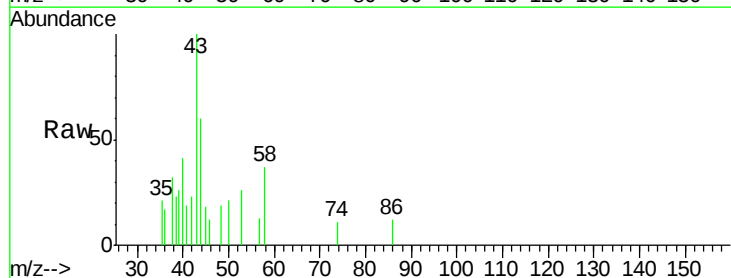
Acq: 30 Jul 2019 19:37

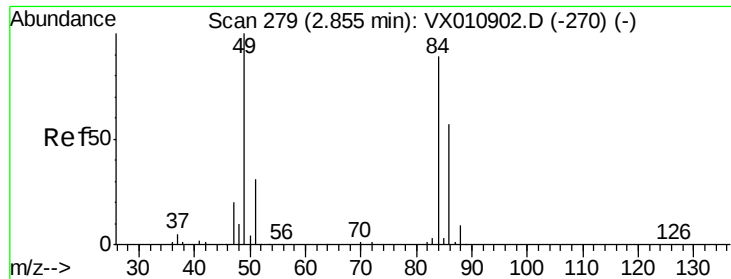
Tgt Ion: 43 Resp: 1027

Ion Ratio Lower Upper

43 100

58 37.2 27.7 41.5

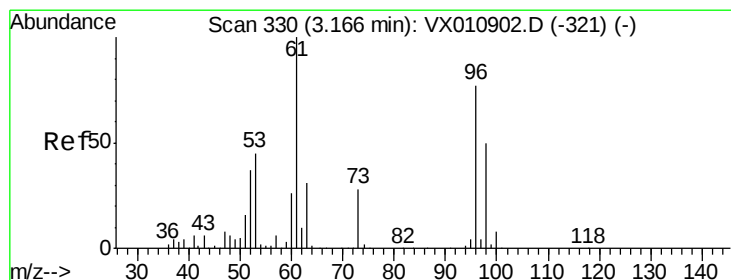
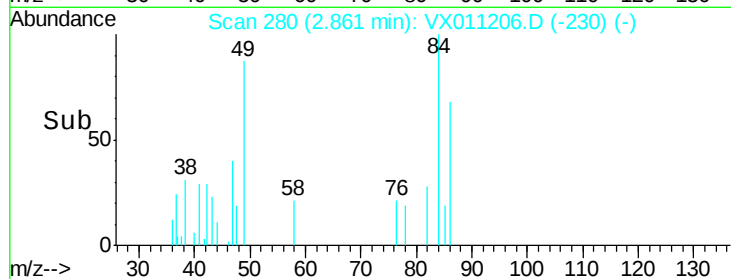
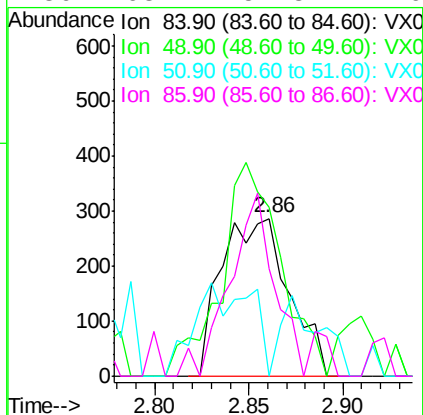
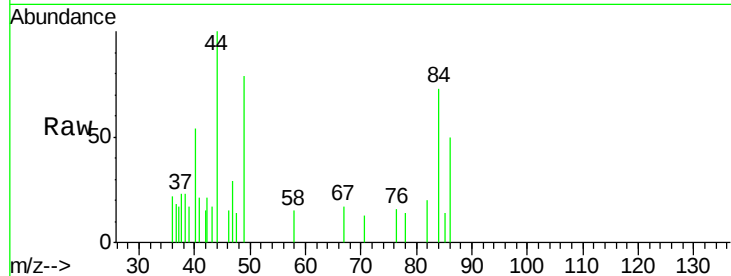




#20
Methylene Chloride
Concen: 0.337 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX011206.D
Acq: 30 Jul 2019 19:37

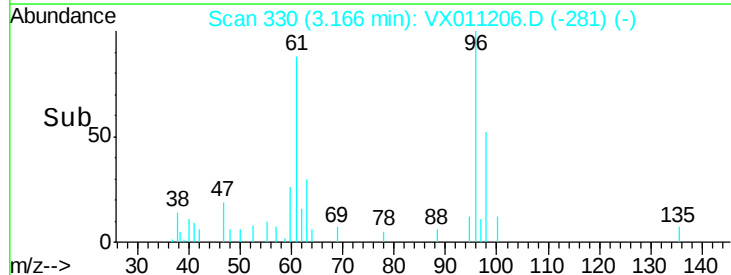
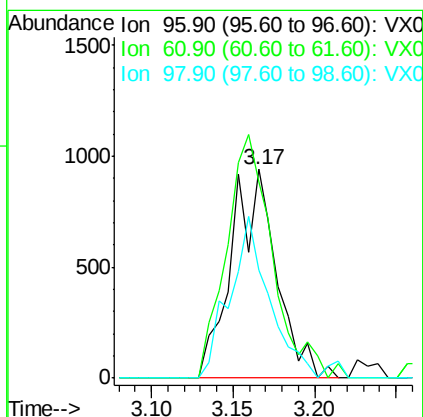
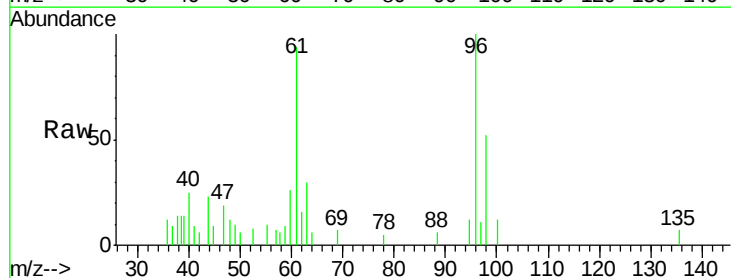
Instrument :
MSVOA_X
ClientSampleId :
Z3-0675DL

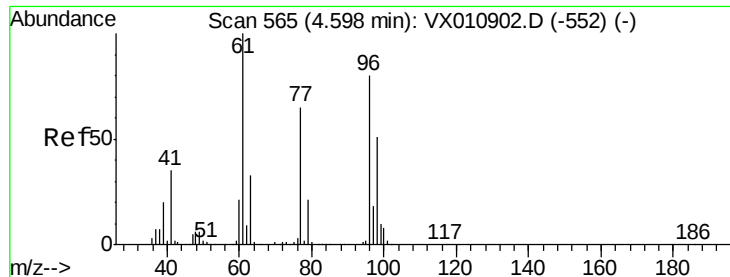
Tgt Ion:	84	Resp:	712
Ion	Ratio	Lower	Upper
84	100		
49	83.6	89.9	134.9#
51	0.0	27.8	41.6#
86	68.2	51.8	77.6



#21
trans-1,2-Dichloroethene
Concen: 0.925 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX011206.D
Acq: 30 Jul 2019 19:37

Tgt Ion:	96	Resp:	1817
Ion	Ratio	Lower	Upper
96	100		
61	94.1	104.2	156.2#
98	51.9	52.2	78.4#



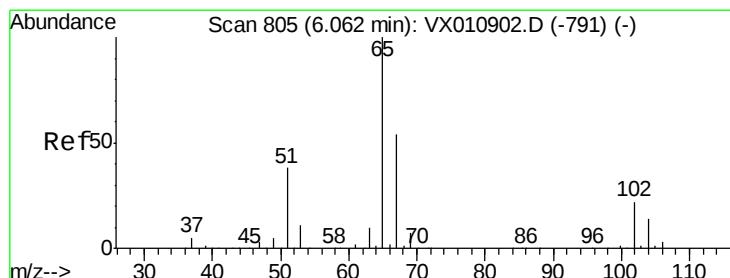
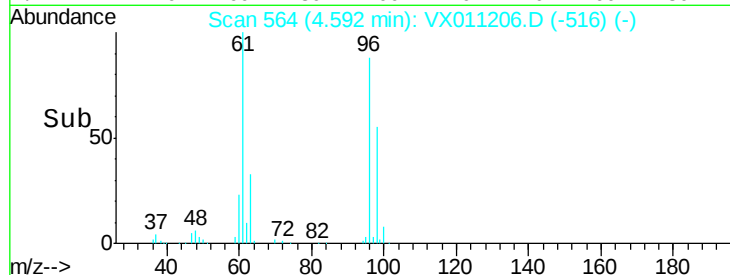
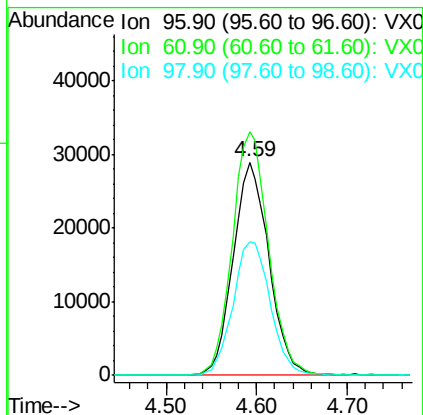
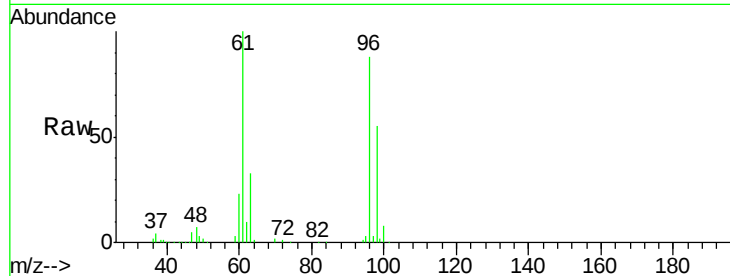


#27

cis-1,2-Dichloroethene
Concen: 34.782 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX011206.D
Acq: 30 Jul 2019 19:37

Instrument :
MSVOA_X
ClientSampleId :
Z3-0675DL

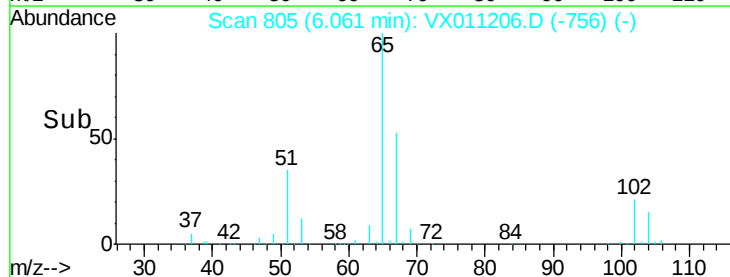
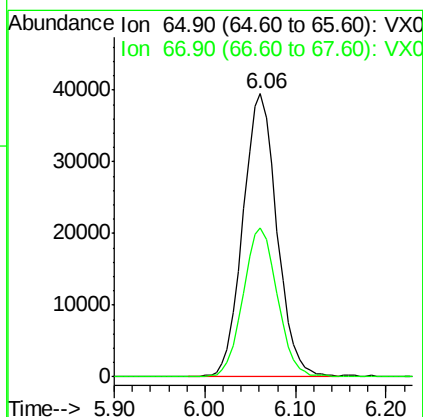
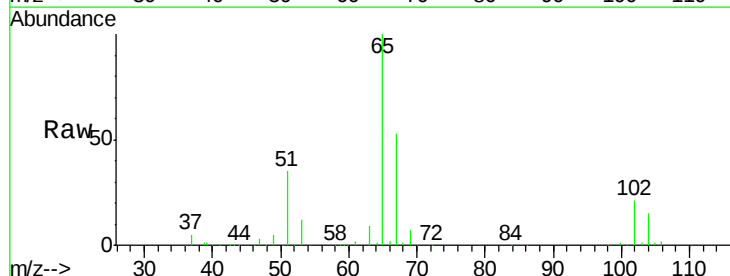
Tgt Ion: 96 Resp: 79042
Ion Ratio Lower Upper
96 100
61 116.4 0.0 269.0
98 65.4 0.0 131.4

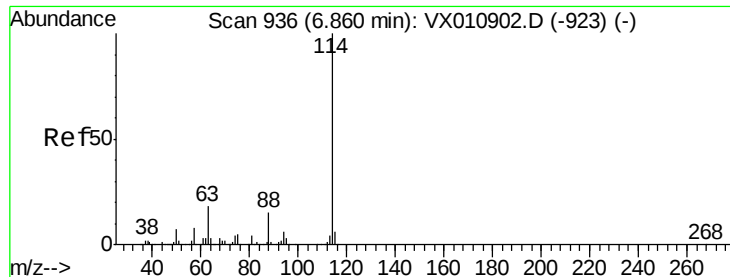


#33

1,2-Dichloroethane-d4
Concen: 46.447 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX011206.D
Acq: 30 Jul 2019 19:37

Tgt Ion: 65 Resp: 102660
Ion Ratio Lower Upper
65 100
67 53.1 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX011206.D

Acq: 30 Jul 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

Z3-0675DL

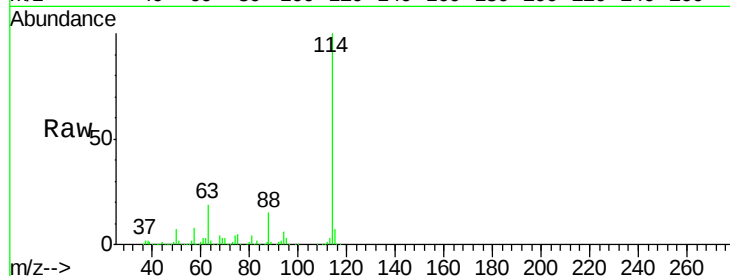
Tgt Ion:114 Resp: 296892

Ion Ratio Lower Upper

114 100

63 19.0 0.0 35.6

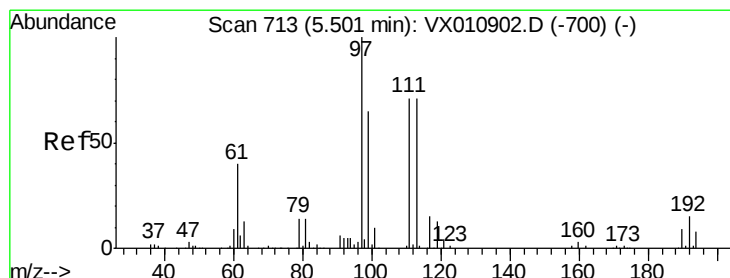
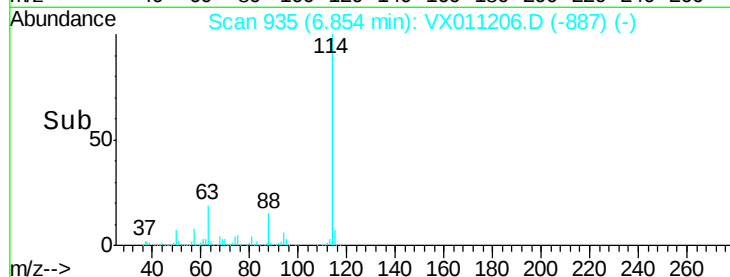
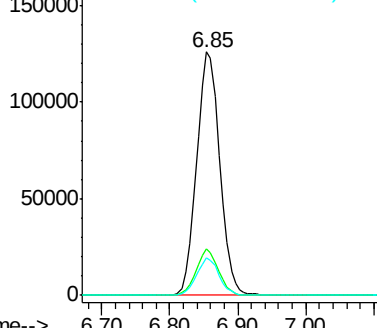
88 15.3 0.0 29.8



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: 46.161 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX011206.D

Acq: 30 Jul 2019 19:37

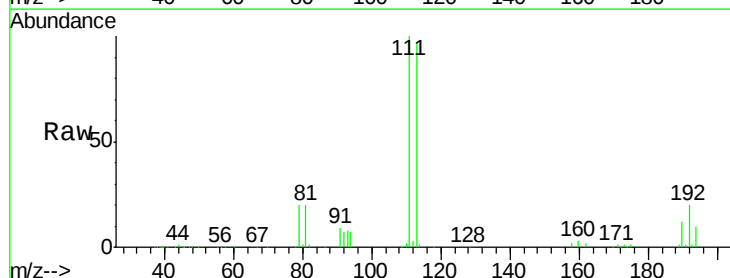
Tgt Ion:113 Resp: 86988

Ion Ratio Lower Upper

113 100

111 101.7 82.3 123.5

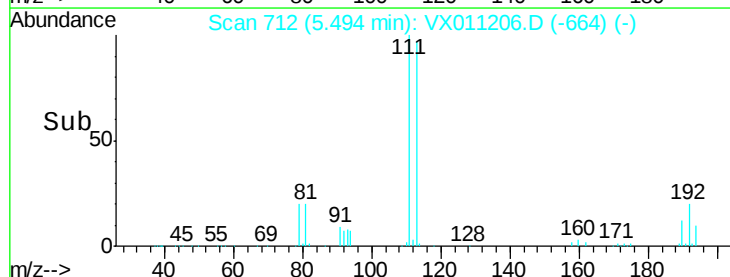
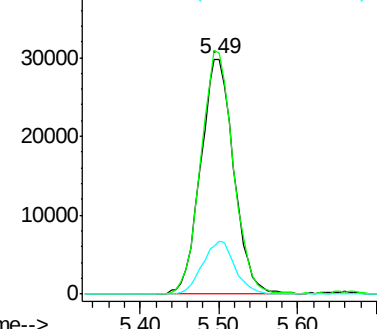
192 22.0 17.4 26.2

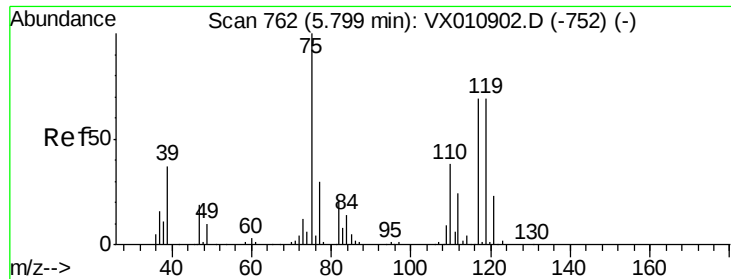


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

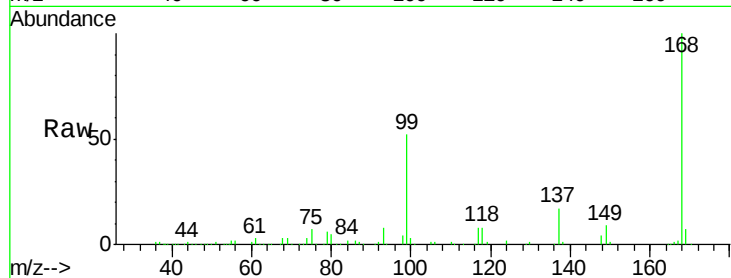




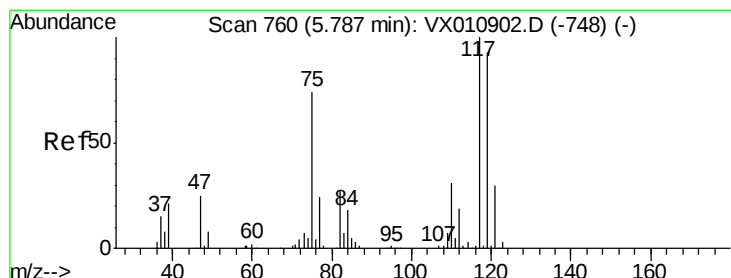
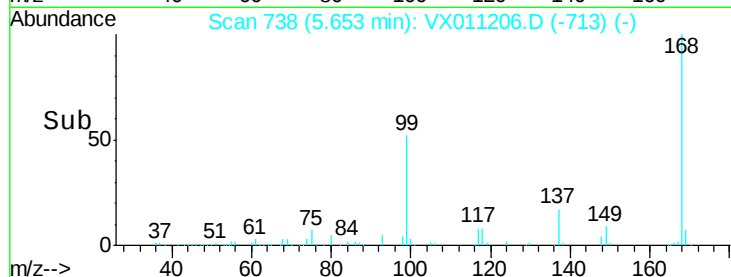
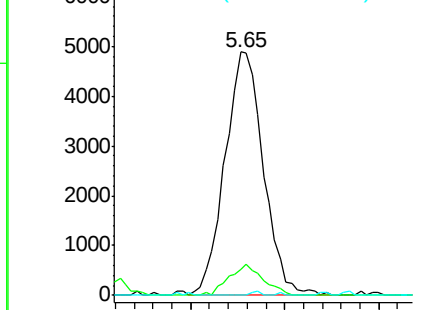
#36
 1,1-Dichloropropene
 Concen: 5.695 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX011206.D
 Acq: 30 Jul 2019 19:37

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0675DL

Tgt Ion: 75 Resp: 13888
 Ion Ratio Lower Upper
 75 100
 110 11.3 19.9 59.7#
 77 0.3 25.0 37.4#

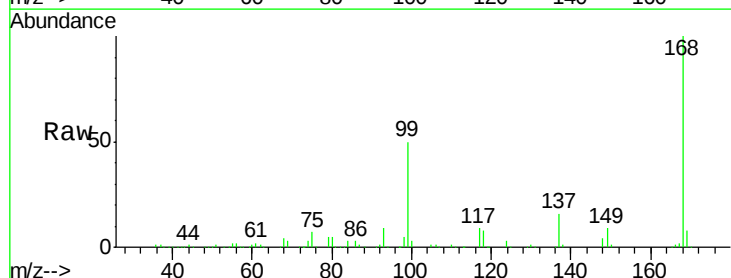


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

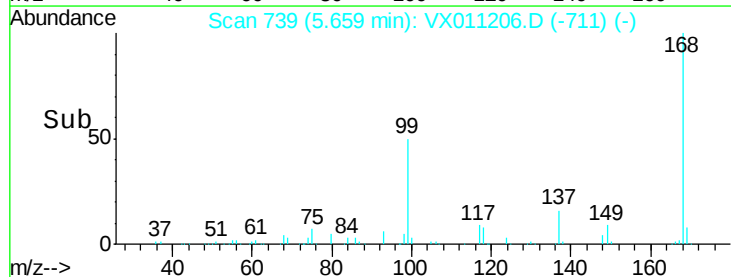
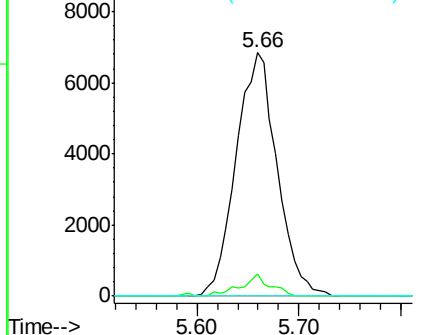


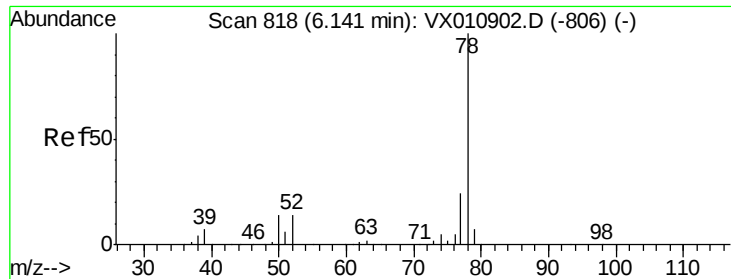
#38
 Carbon Tetrachloride
 Concen: 7.519 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX011206.D
 Acq: 30 Jul 2019 19:37

Tgt Ion: 117 Resp: 19108
 Ion Ratio Lower Upper
 117 100
 119 9.3 74.2 111.2#
 121 0.0 24.2 36.2#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V





#40

Benzene

Concen: 0.343 ug/l

RT: 6.13 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX011206.D

Acq: 30 Jul 2019 19:37

Instrument :

MSVOA_X

ClientSampled :

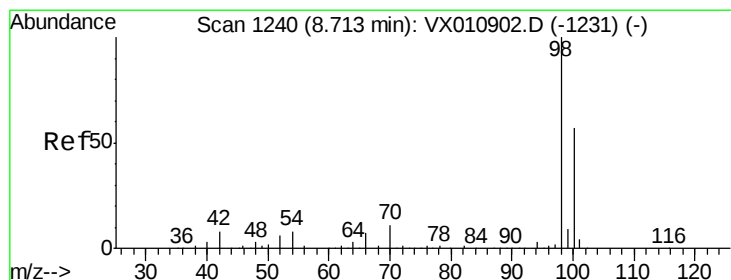
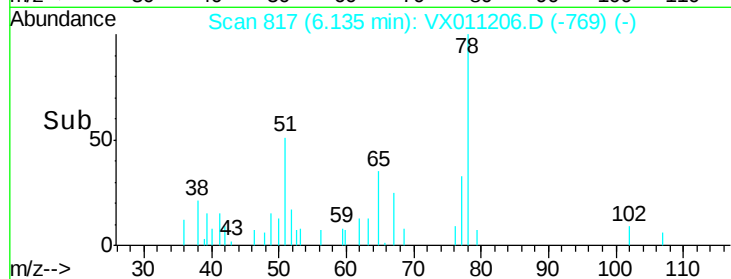
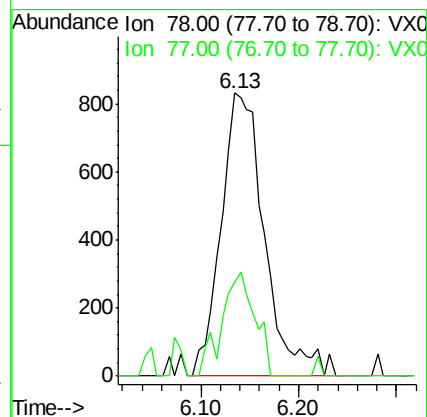
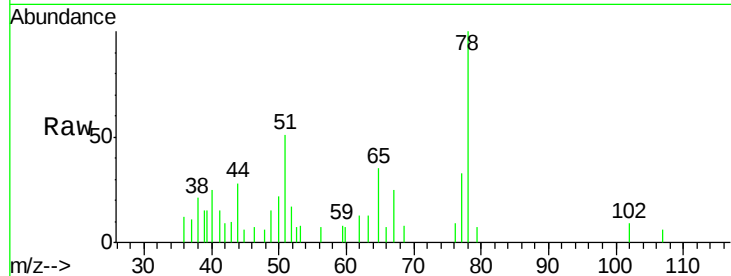
Z3-0675DL

Tgt Ion: 78 Resp: 2563

Ion Ratio Lower Upper

78 100

77 33.2 19.0 28.6#



#50

Toluene-d8

Concen: 48.765 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011206.D

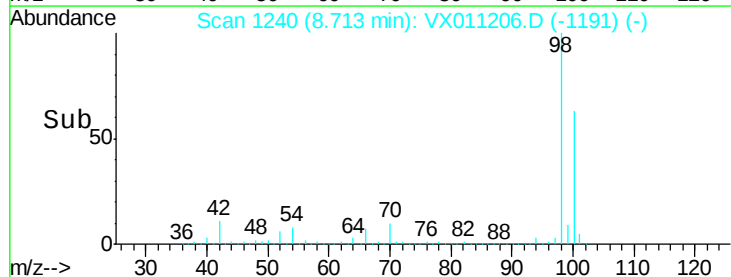
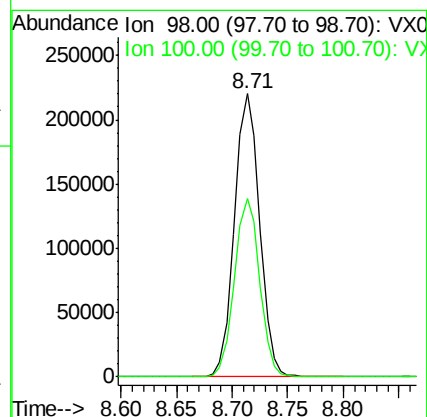
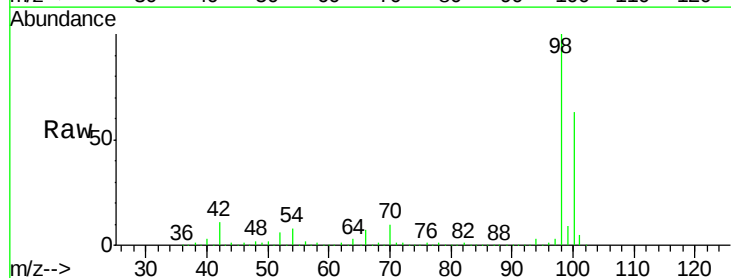
Acq: 30 Jul 2019 19:37

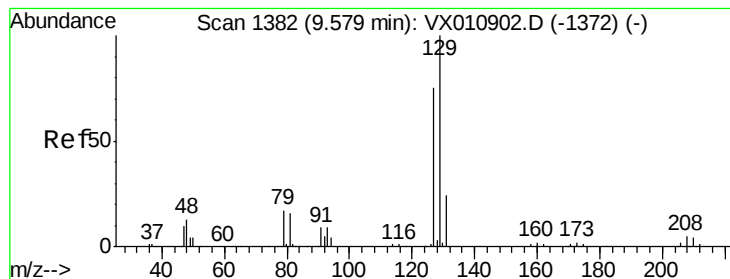
Tgt Ion: 98 Resp: 344664

Ion Ratio Lower Upper

98 100

100 63.1 50.6 75.8





#60

Dibromochloromethane

Concen: 2.537 ug/l

RT: 9.32 min Scan# 1340

Delta R.T. -0.26 min

Lab File: VX011206.D

Acq: 30 Jul 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

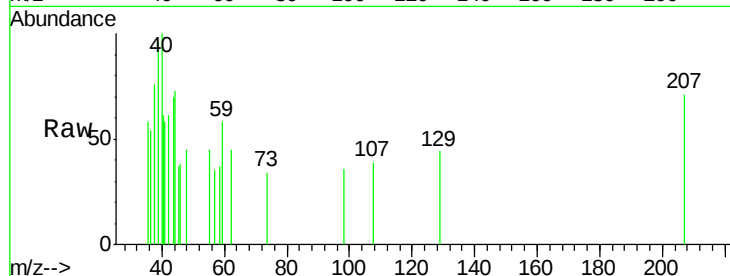
Z3-0675DL

Tgt Ion: 129 Resp: 23

Ion Ratio Lower Upper

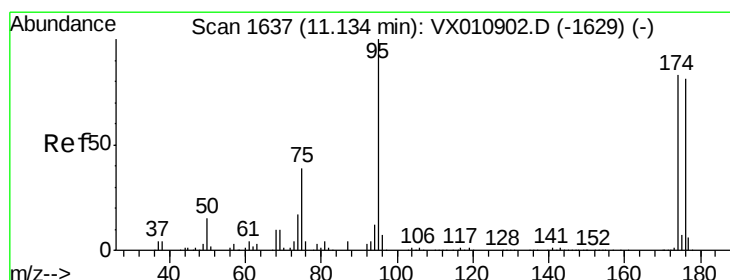
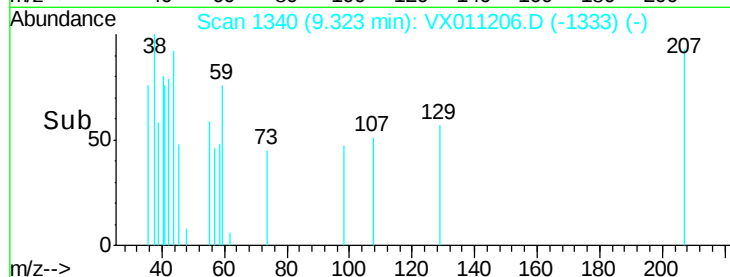
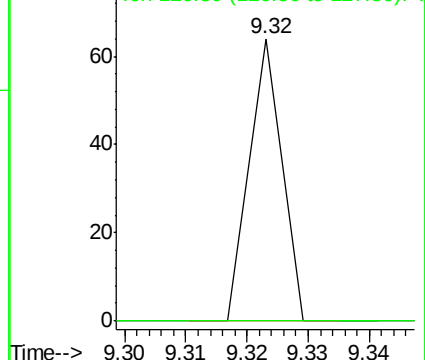
129 100

127 0.0 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 45.088 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011206.D

Acq: 30 Jul 2019 19:37

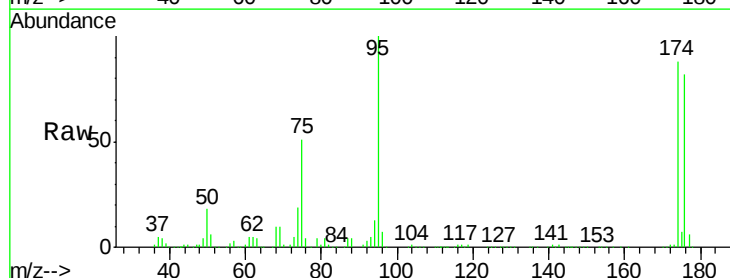
Tgt Ion: 95 Resp: 117134

Ion Ratio Lower Upper

95 100

174 92.6 0.0 180.6

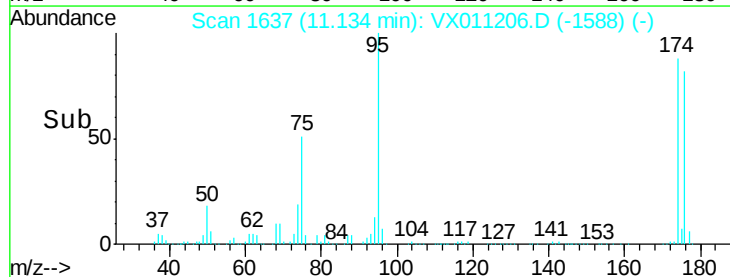
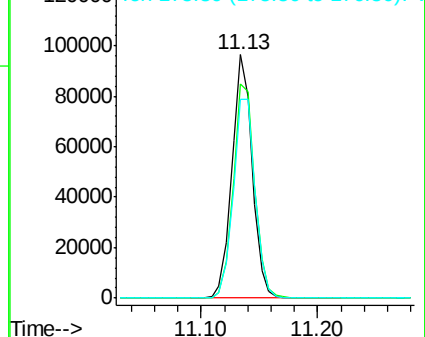
176 88.6 0.0 173.8

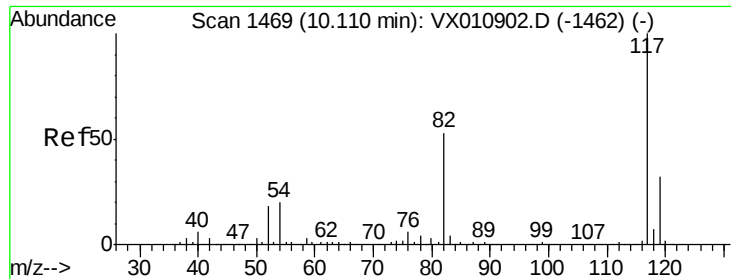


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

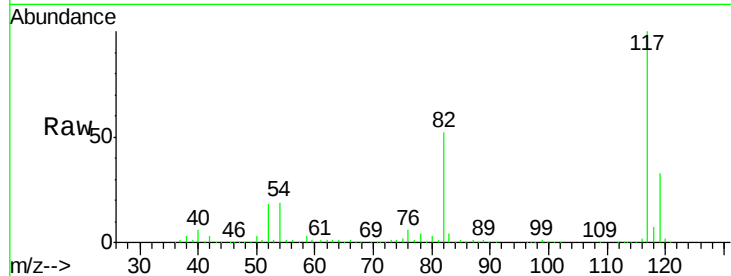




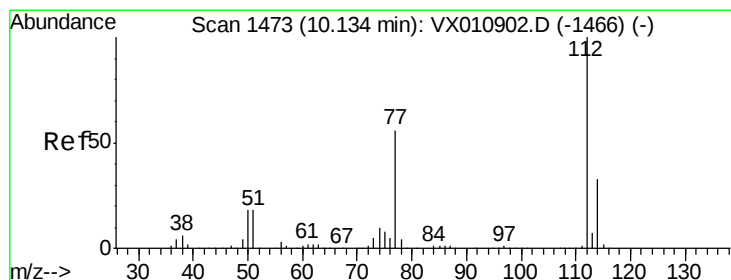
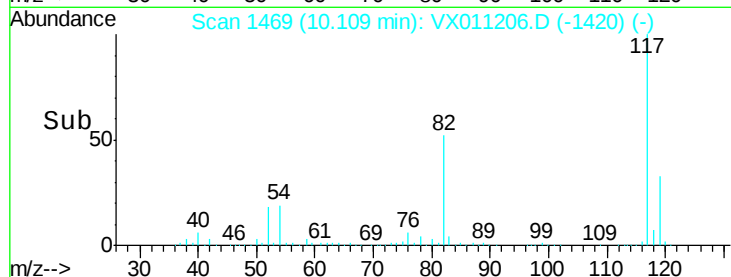
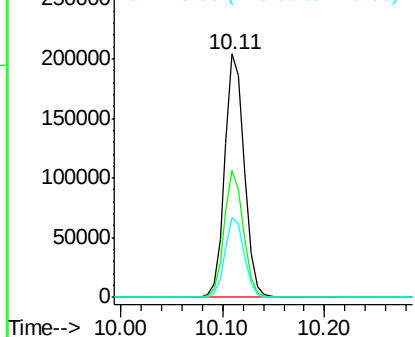
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011206.D
Acq: 30 Jul 2019 19:37

Instrument :
MSVOA_X
ClientSampled :
Z3-0675DL

Tgt Ion:117 Resp: 270264
Ion Ratio Lower Upper
117 100
82 52.1 42.6 63.8
119 32.6 25.9 38.9

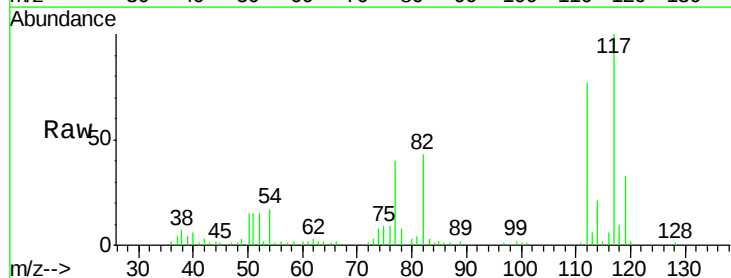


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

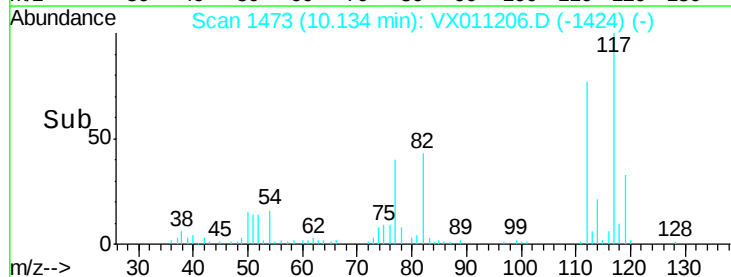
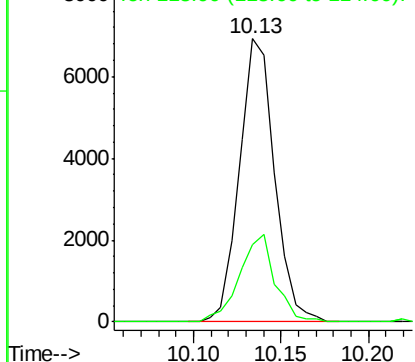


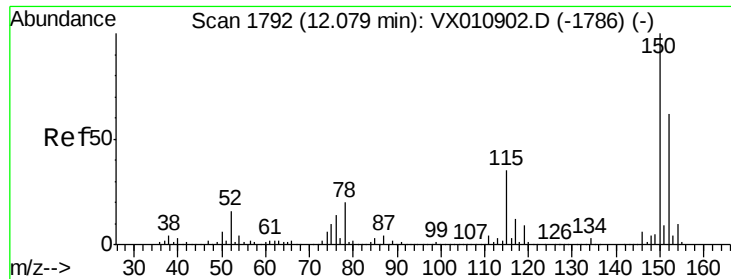
#65
Chlorobenzene
Concen: 1.738 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX011206.D
Acq: 30 Jul 2019 19:37

Tgt Ion:112 Resp: 9645
Ion Ratio Lower Upper
112 100
114 27.1 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): 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: VX011206.D

Acq: 30 Jul 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

Z3-0675DL

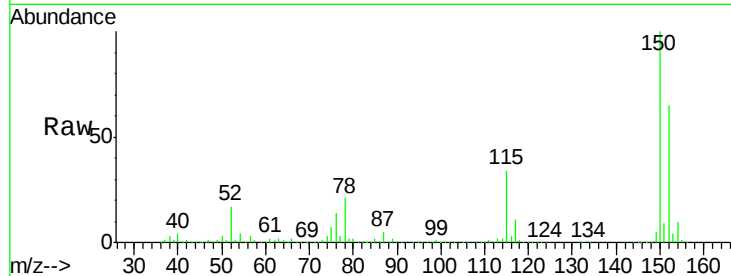
Tgt Ion:152 Resp: 127241

Ion Ratio Lower Upper

152 100

115 55.1 39.7 119.1

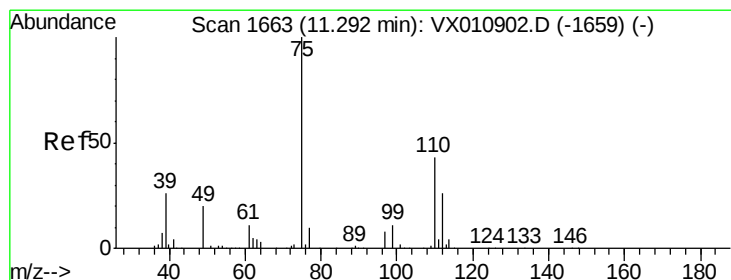
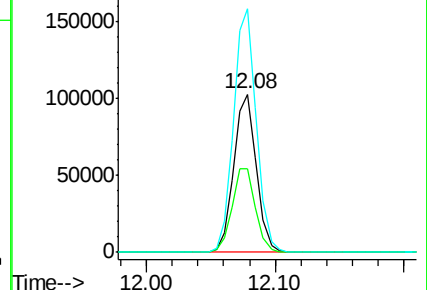
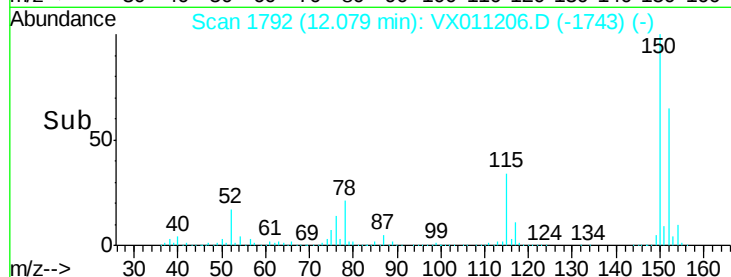
150 154.5 0.0 345.6



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: 26.237 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011206.D

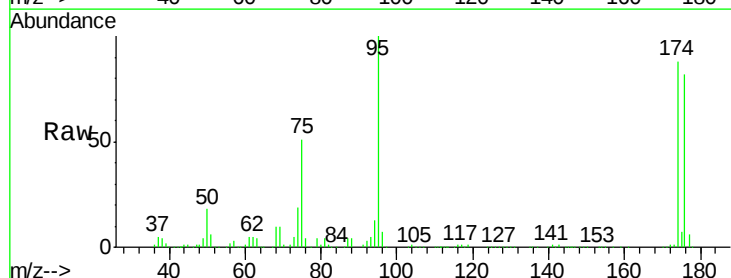
Acq: 30 Jul 2019 19:37

Tgt Ion: 75 Resp: 60243

Ion Ratio Lower Upper

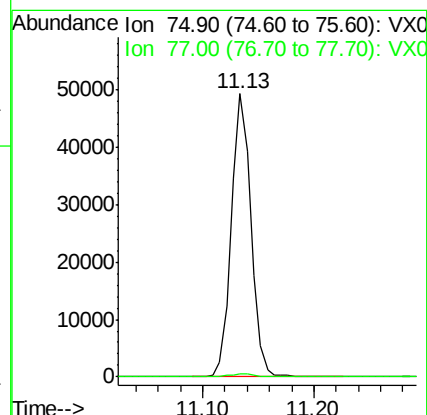
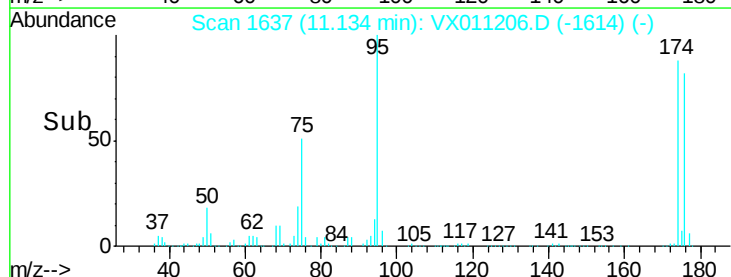
75 100

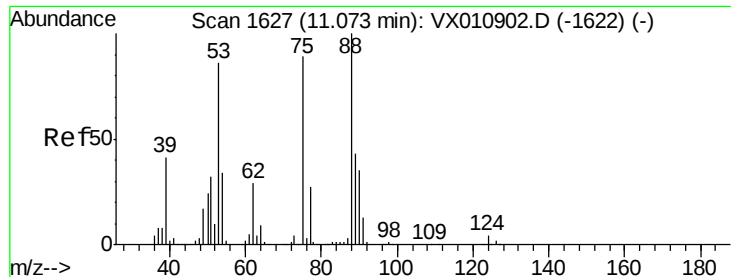
77 1.2 21.3 64.0#



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: 65.161 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011206.D

Acq: 30 Jul 2019 19:37

Instrument :

MSVOA_X

ClientSampleId :

Z3-0675DL

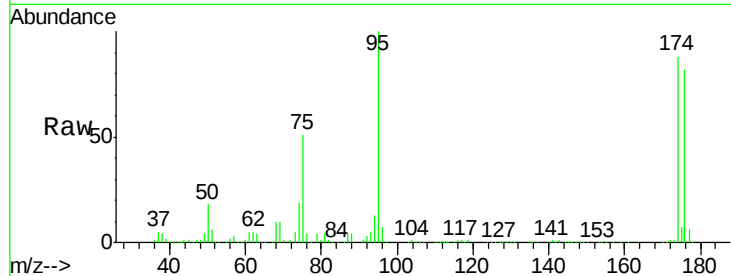
Tgt Ion: 75 Resp: 60243

Ion Ratio Lower Upper

75 100

53 0.1 76.7 115.1#

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

