

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX030419\
 Data File : VX007805.D
 Acq On : 04 Mar 2019 12:40
 Operator : JC/SP
 Sample : VX0304MBL01
 Misc : 5.0g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0304MBL01

Quant Time: Mar 04 13:03:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	326433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	504030	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	467934	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	224967	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	179474	44.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.78%	
35) Dibromofluoromethane	5.50	113	164794	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
50) Toluene-d8	8.71	98	605598	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
62) 4-Bromofluorobenzene	11.13	95	217642	45.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.94%	

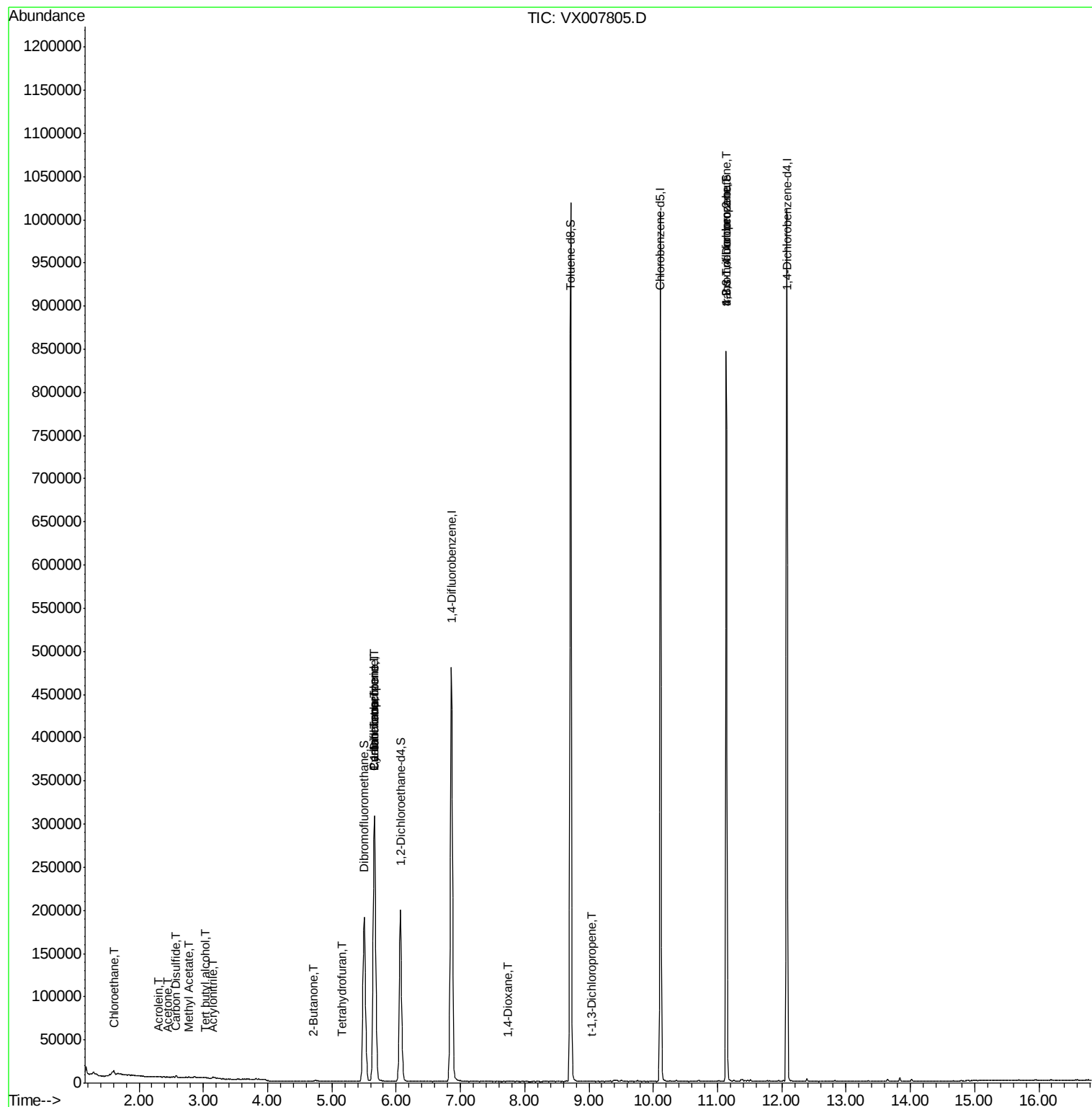
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	731	Below Cal		95
6) Chloroethane	1.62	64	10961	5.018	ug/l #	58
11) Tert butyl alcohol	3.03	59	658	0.858	ug/l #	73
13) Acrolein	2.30	56	563	0.826	ug/l	87
15) Acrylonitrile	3.15	53	821	0.455	ug/l #	51
16) Acetone	2.45	43	715	0.398	ug/l	93
17) Carbon Disulfide	2.57	76	2348	0.296	ug/l #	94
18) Methyl Acetate	2.78	43	833	0.212	ug/l	95
25) 2-Butanone	4.70	43	670	0.245	ug/l	98
29) Tetrahydrofuran	5.16	42	756	0.419	ug/l #	53
31) Cyclohexane	5.66	56	5346	0.951	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	20066	4.428	ug/l #	47
38) Carbon Tetrachloride	5.66	117	27912	6.132	ug/l #	17
49) 1,4-Dioxane	7.74	88	71	0.810	ug/l #	73
53) t-1,3-Dichloropropene	9.05	75	266	2.849	ug/l #	54
76) 1,2,3-Trichloropropane	11.13	75	99552	20.760	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	99552	55.293	ug/l #	9

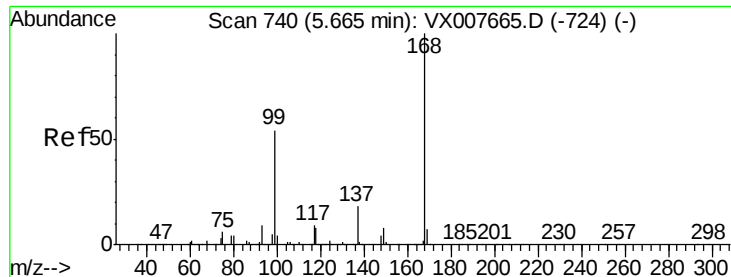
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX030419\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007805.D

Acq: 04 Mar 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

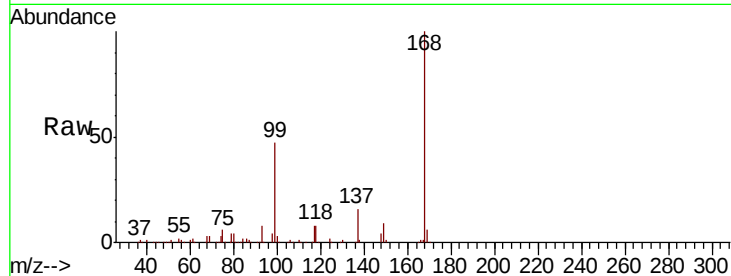
VX0304MBL01

Tgt Ion:168 Resp: 326433

Ion Ratio Lower Upper

168 100

99 47.4 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

5.67

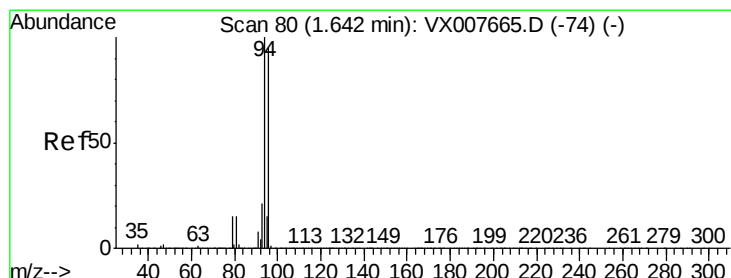
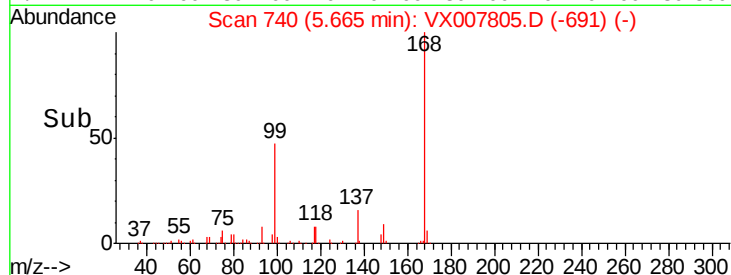
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX007805.D

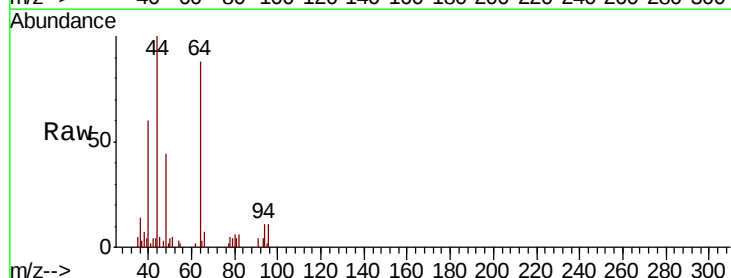
Acq: 04 Mar 2019 12:40

Tgt Ion: 94 Resp: 731

Ion Ratio Lower Upper

94 100

96 97.2 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

300

250

200

150

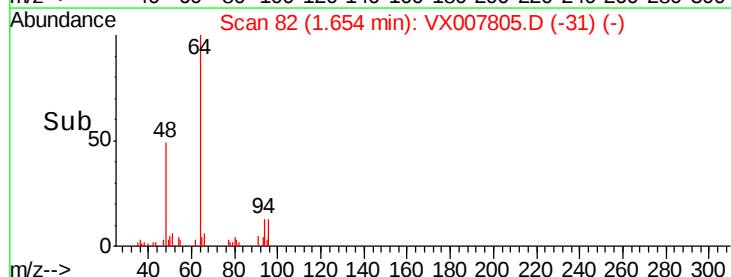
100

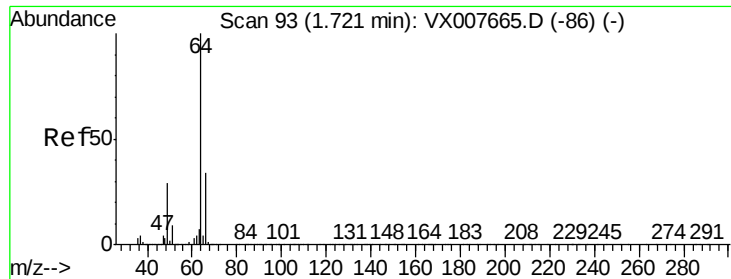
50

0

Time-->

1.60 1.65 1.70 1.75





#6

Chloroethane

Concen: 5.018 ug/l

RT: 1.62 min Scan# 76

Delta R.T. -0.10 min

Lab File: VX007805.D

Acq: 04 Mar 2019 12:40

Instrument :

MSVOA_X

ClientSampled :

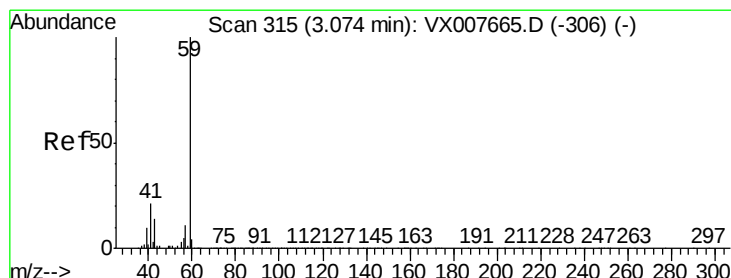
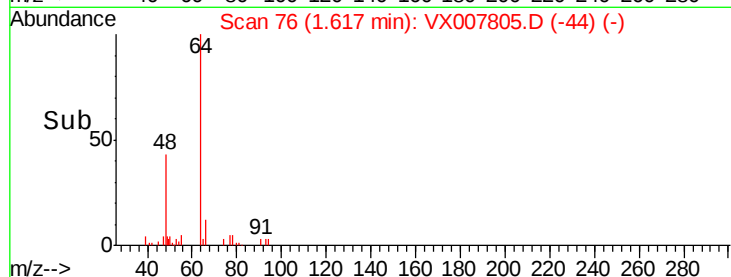
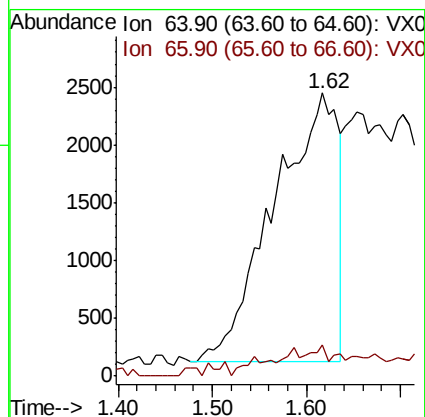
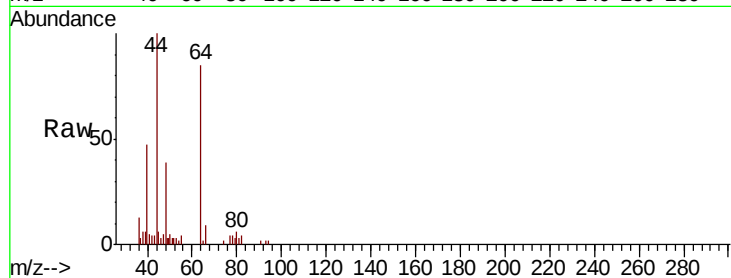
VX0304MBL01

Tgt Ion: 64 Resp: 10961

Ion Ratio Lower Upper

64 100

66 8.7 25.5 38.3#



#11

Tert butyl alcohol

Concen: 0.858 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX007805.D

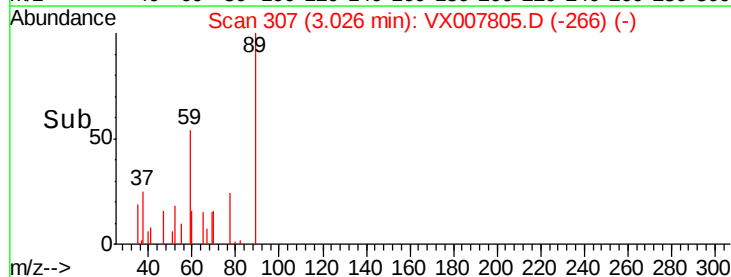
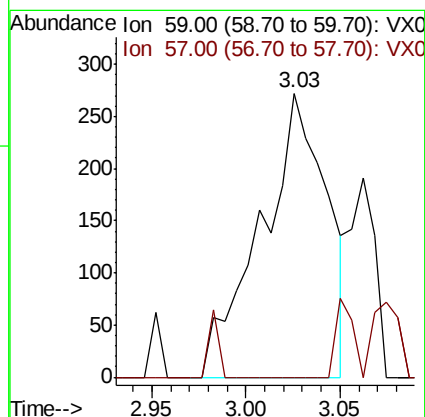
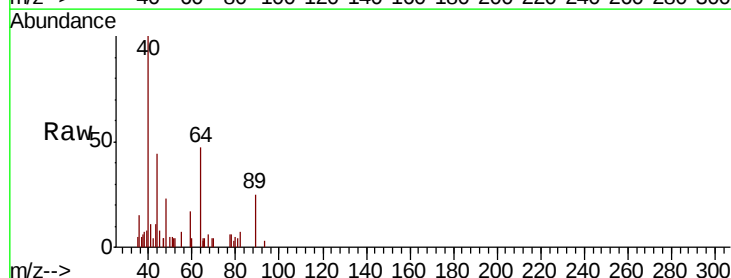
Acq: 04 Mar 2019 12:40

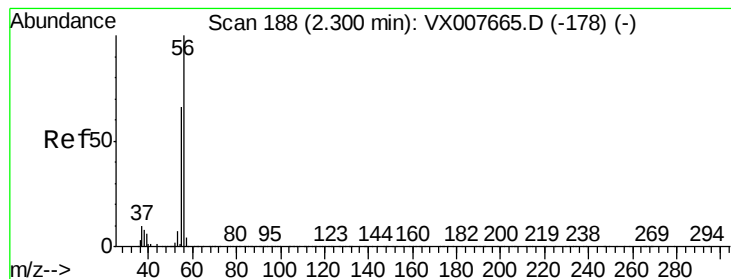
Tgt Ion: 59 Resp: 658

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#





#13

Acrolein

Concen: 0.826 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.00 min

Lab File: VX007805.D

Acq: 04 Mar 2019 12:40

Instrument :

MSVOA_X

ClientSampled :

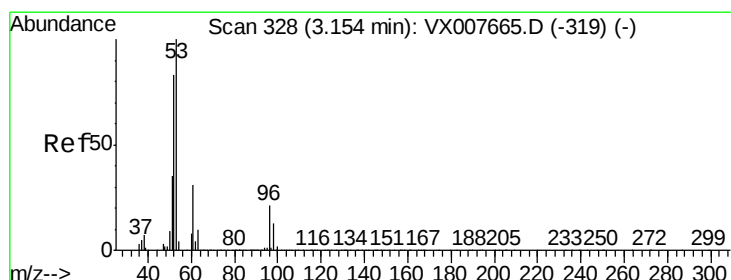
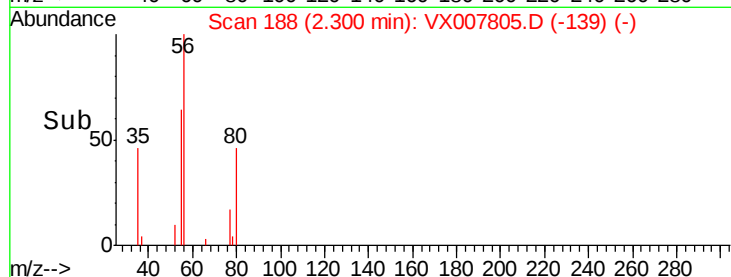
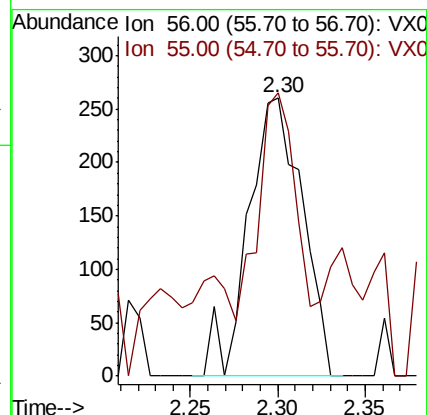
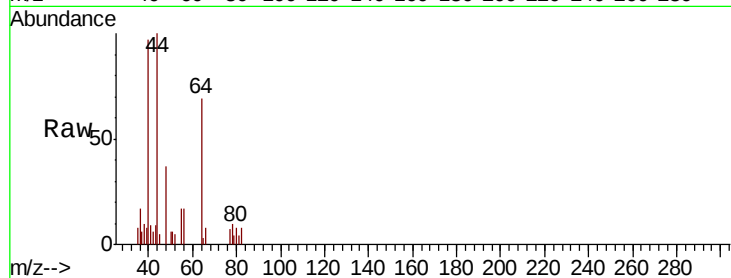
VX0304MBL01

Tgt Ion: 56 Resp: 563

Ion Ratio Lower Upper

56 100

55 81.5 56.9 85.3



#15

Acrylonitrile

Concen: 0.455 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX007805.D

Acq: 04 Mar 2019 12:40

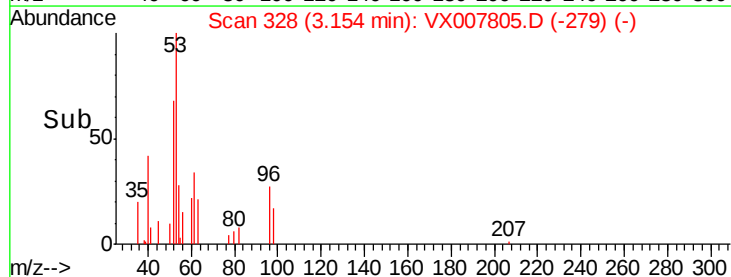
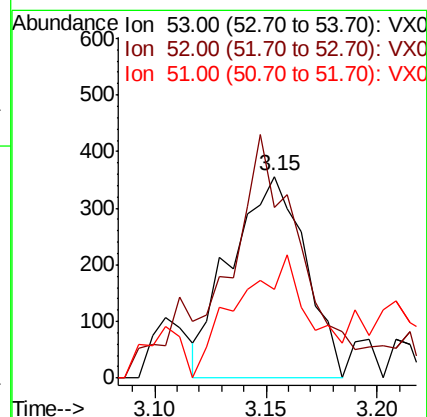
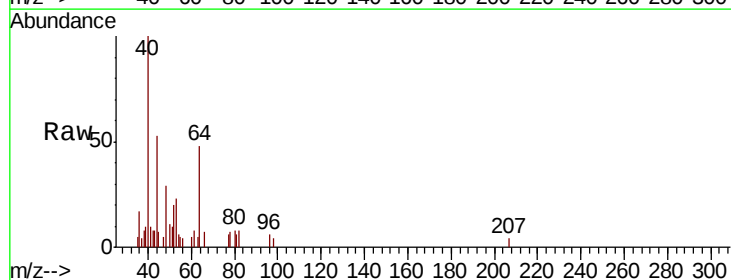
Tgt Ion: 53 Resp: 821

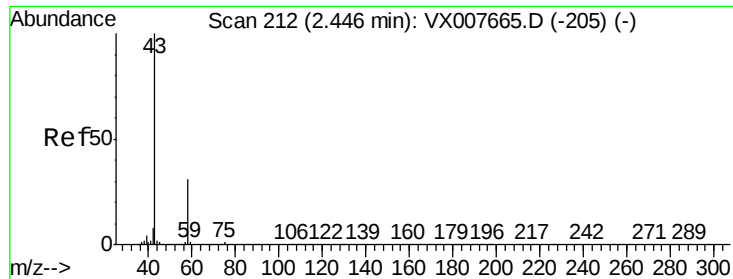
Ion Ratio Lower Upper

53 100

52 129.0 66.4 99.6#

51 61.1 28.4 42.6#





#16

Acetone

Concen: 0.398 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007805.D

Acq: 04 Mar 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

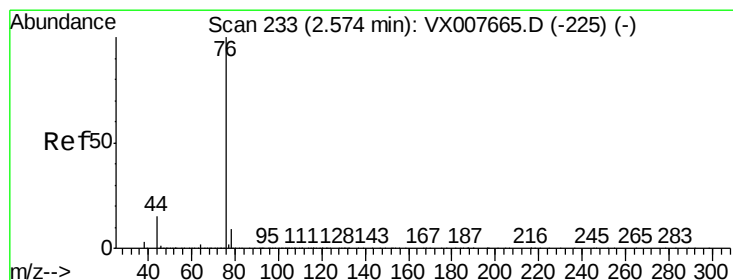
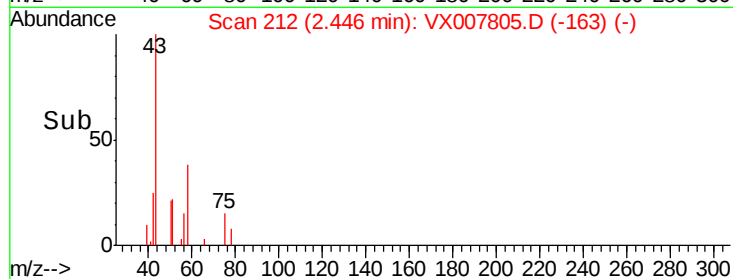
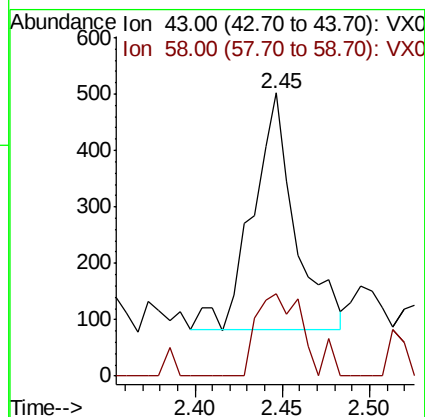
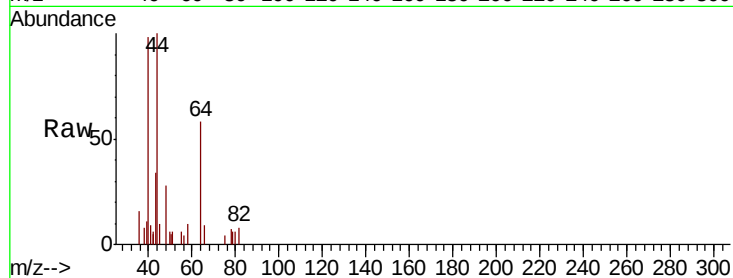
VX0304MBL01

Tgt Ion: 43 Resp: 715

Ion Ratio Lower Upper

43 100

58 34.8 24.9 37.3



#17

Carbon Disulfide

Concen: 0.296 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007805.D

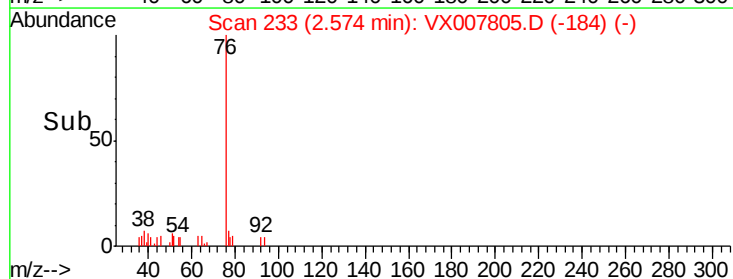
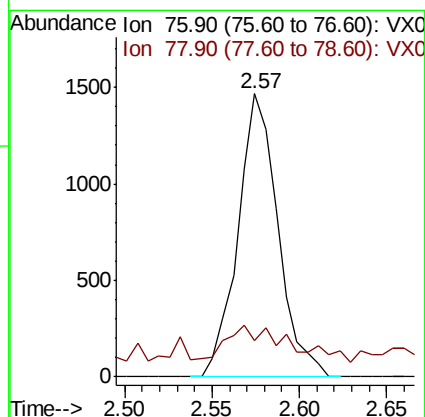
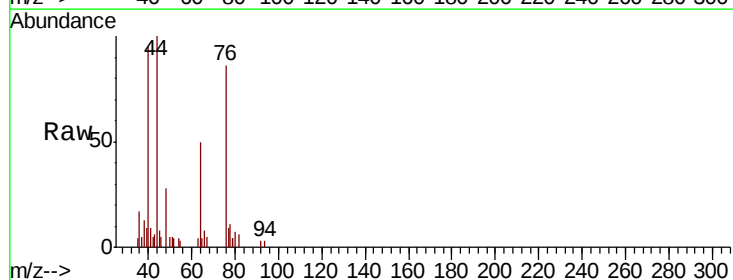
Acq: 04 Mar 2019 12:40

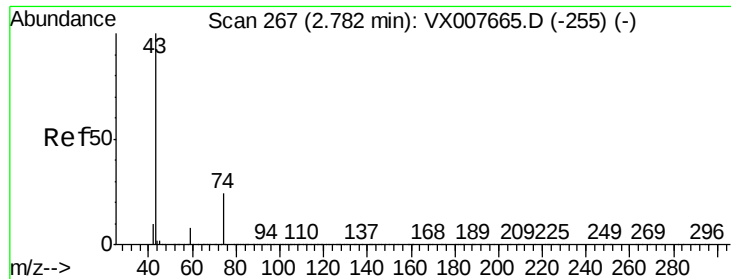
Tgt Ion: 76 Resp: 2348

Ion Ratio Lower Upper

76 100

78 6.7 7.1 10.7#

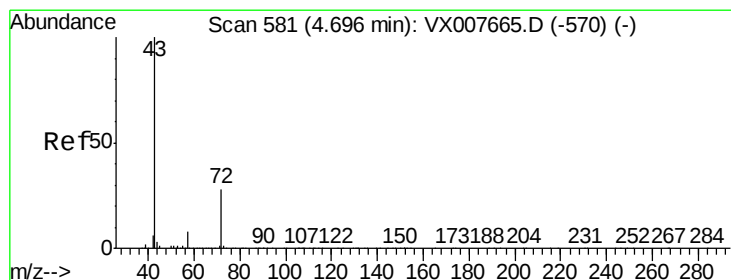
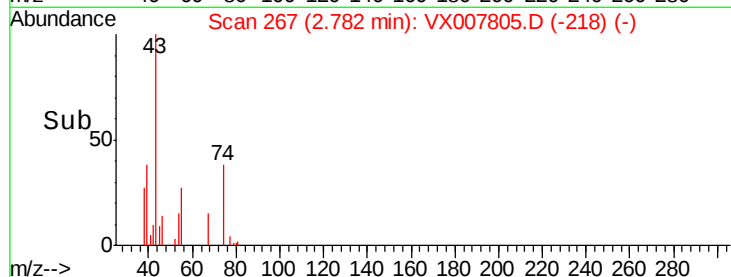
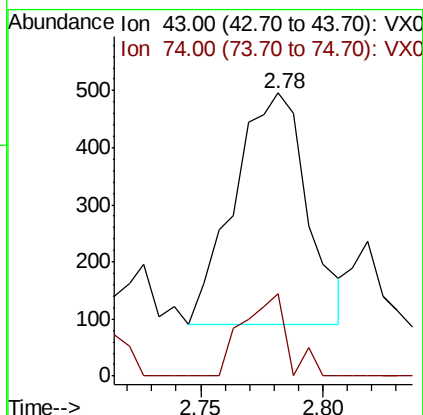
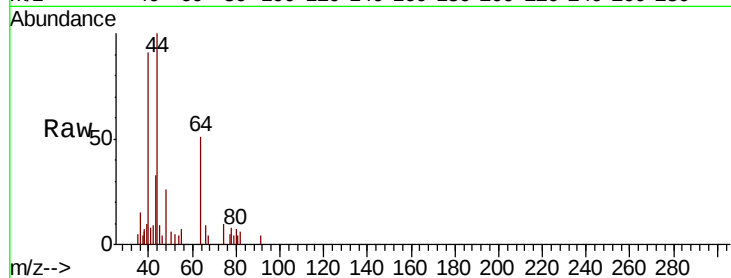




#18
Methyl Acetate
Concen: 0.212 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007805.D
Acq: 04 Mar 2019 12:40

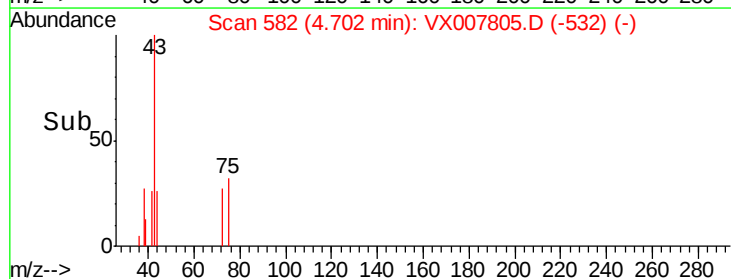
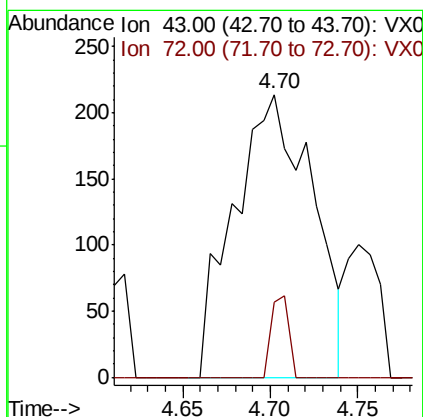
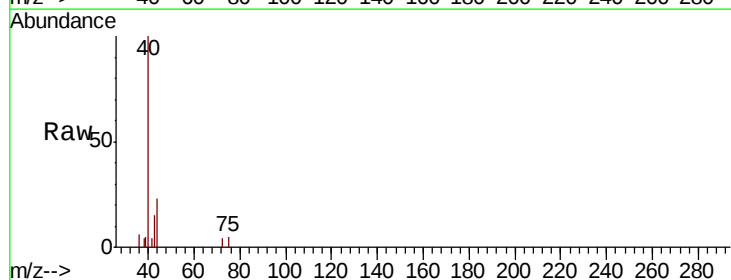
Instrument :
MSVOA_X
ClientSampled :
VX0304MBL01

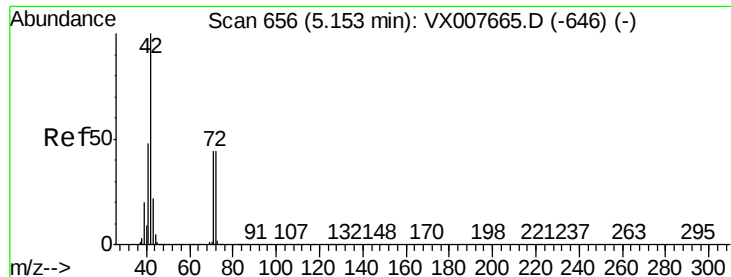
Tgt Ion: 43 Resp: 833
Ion Ratio Lower Upper
43 100
74 22.0 19.4 29.2



#25
2-Butanone
Concen: 0.245 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX007805.D
Acq: 04 Mar 2019 12:40

Tgt Ion: 43 Resp: 670
Ion Ratio Lower Upper
43 100
72 26.6 22.2 33.2





#29

Tetrahydrofuran

Concen: 0.419 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX007805.D

Acq: 04 Mar 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VX0304MBL01

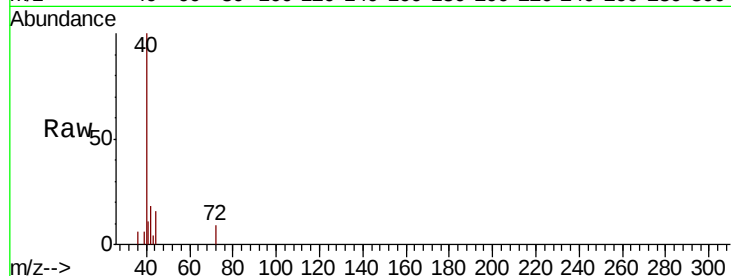
Tgt Ion: 42 Resp: 756

Ion Ratio Lower Upper

42 100

72 17.2 37.6 56.4#

71 11.0 34.6 51.8#



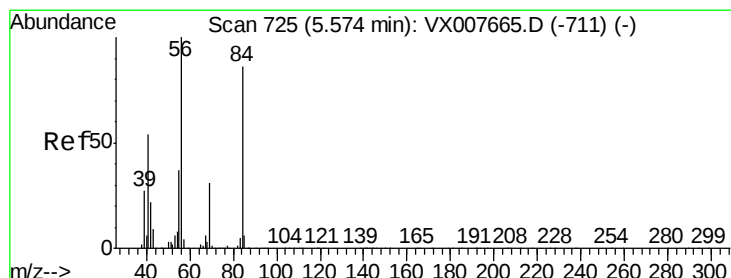
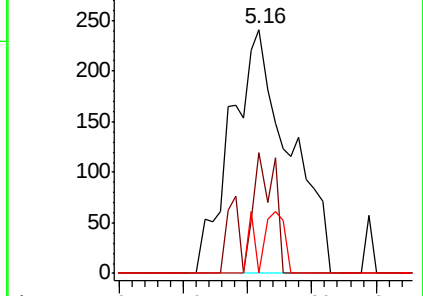
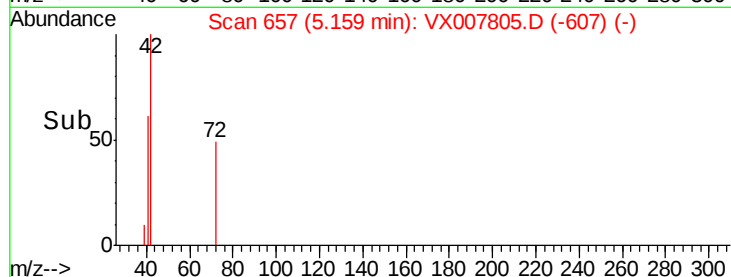
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

5.16

Time-->



#31

Cyclohexane

Concen: 0.951 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX007805.D

Acq: 04 Mar 2019 12:40

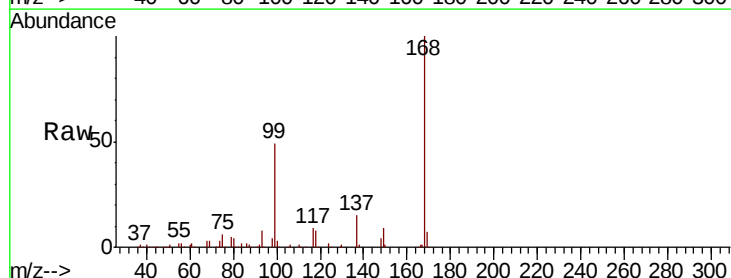
Tgt Ion: 56 Resp: 5346

Ion Ratio Lower Upper

56 100

69 182.5 23.0 34.6#

84 147.1 69.8 104.6#



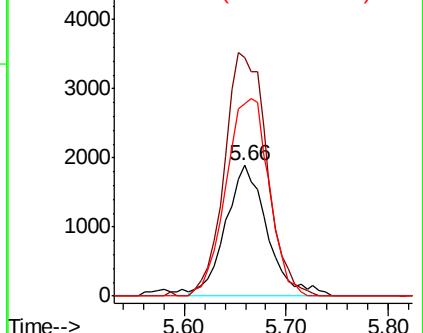
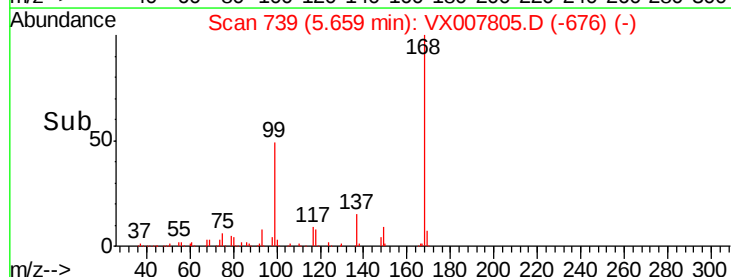
Abundance Ion 56.00 (55.70 to 56.70): VX0

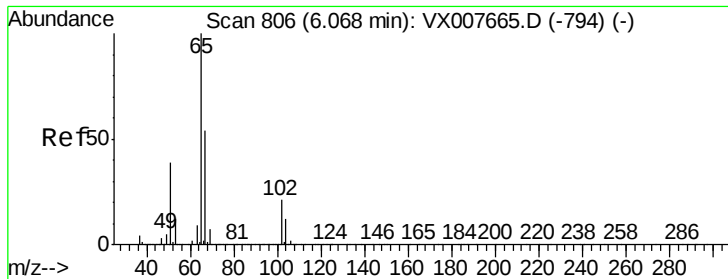
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

5.66

Time-->

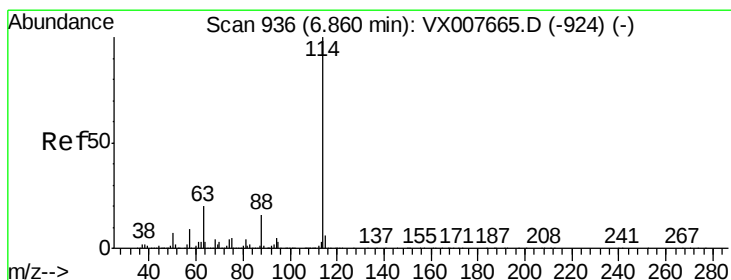
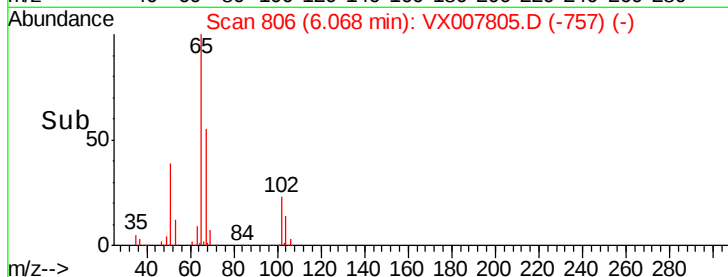
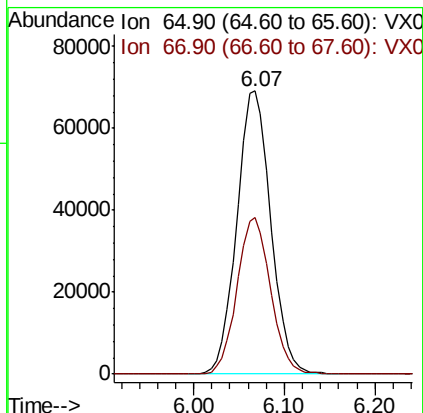
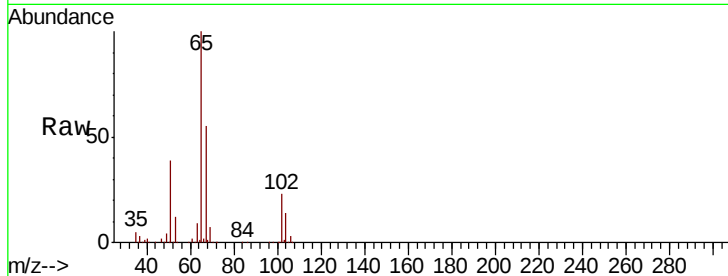




#33
 1,2-Dichloroethane-d4
 Concen: 44.386 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007805.D
 Acq: 04 Mar 2019 12:40

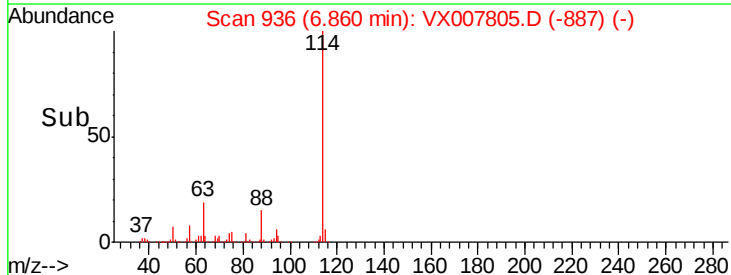
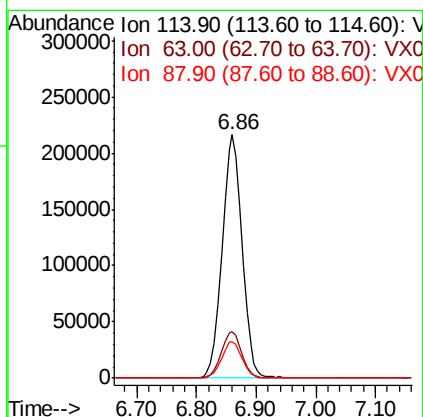
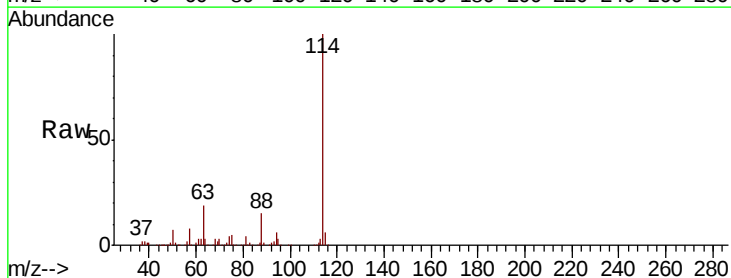
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0304MBL01

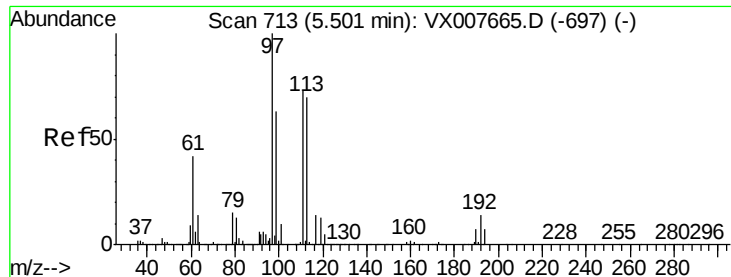
Tgt Ion: 65 Resp: 179474
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007805.D
 Acq: 04 Mar 2019 12:40

Tgt Ion: 114 Resp: 504030
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 35.6
 88 15.0 0.0 29.6

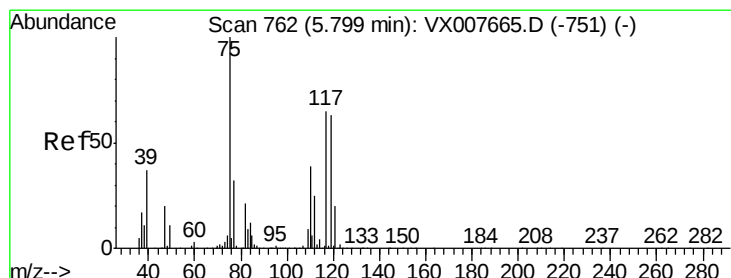
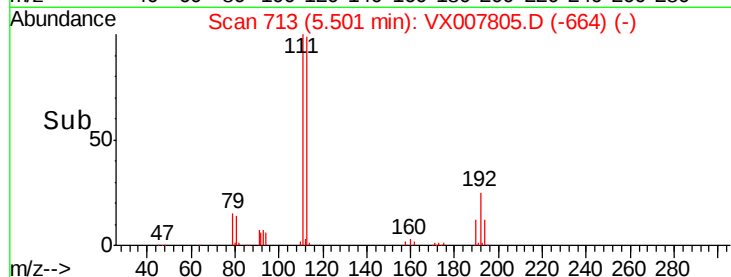
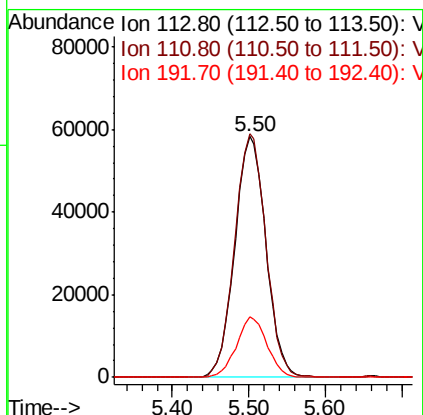
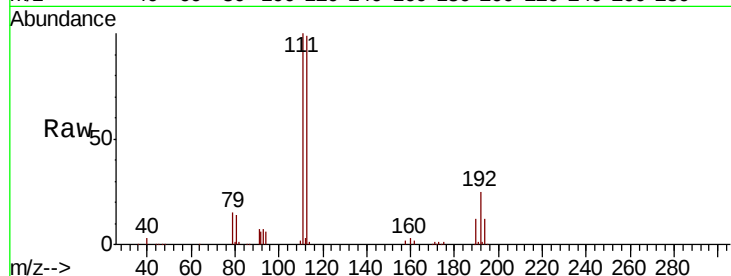




#35
 Dibromofluoromethane
 Concen: 48.911 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX007805.D
 Acq: 04 Mar 2019 12:40

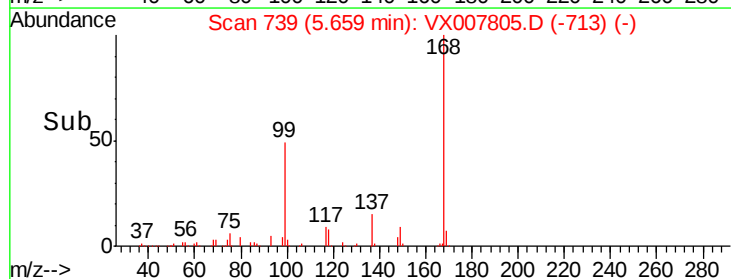
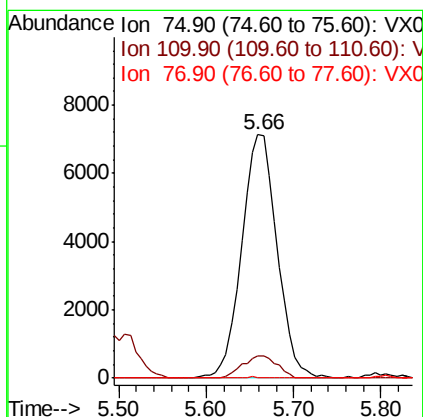
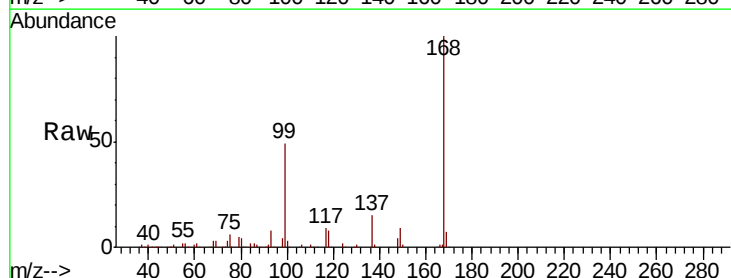
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0304MBL01

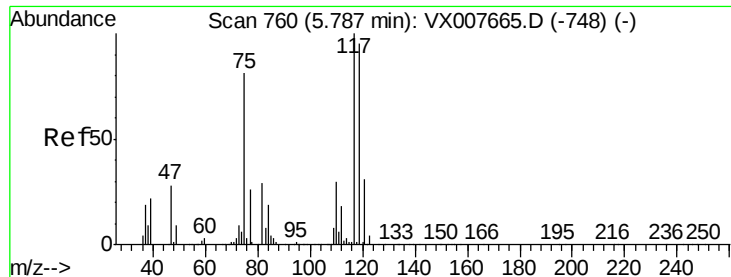
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.8	122.8
192	24.4	18.5	27.7



#36
 1,1-Dichloropropene
 Concen: 4.428 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX007805.D
 Acq: 04 Mar 2019 12:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	20.0	59.9#
77	0.1	24.7	37.1#





#38

Carbon Tetrachloride

Concen: 6.132 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX007805.D

Acq: 04 Mar 2019 12:40

Instrument :

MSVOA_X

ClientSampled :

VX0304MBL01

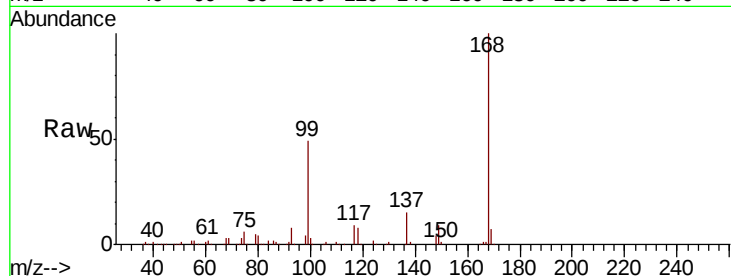
Tgt Ion:117 Resp: 27912

Ion Ratio Lower Upper

117 100

119 5.3 75.3 112.9#

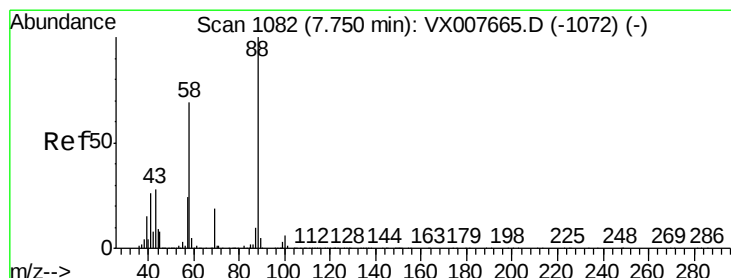
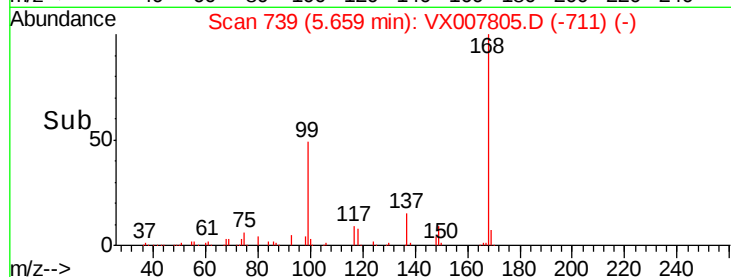
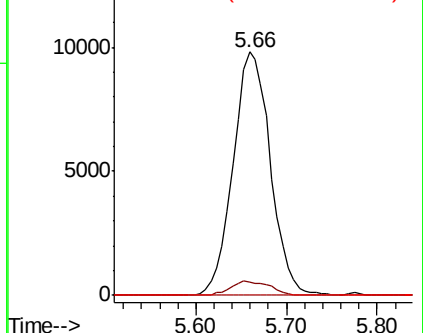
121 0.0 25.0 37.4#



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



#49

1,4-Dioxane

Concen: 0.810 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX007805.D

Acq: 04 Mar 2019 12:40

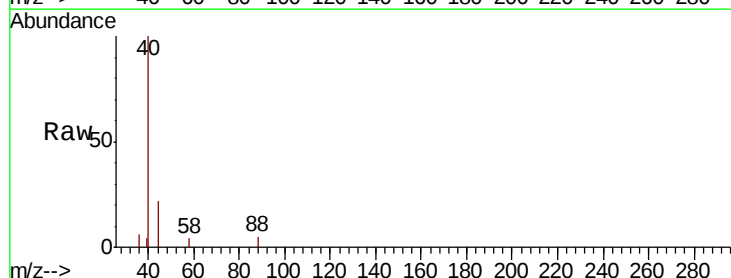
Tgt Ion: 88 Resp: 71

Ion Ratio Lower Upper

88 100

43 28.2 24.2 36.4

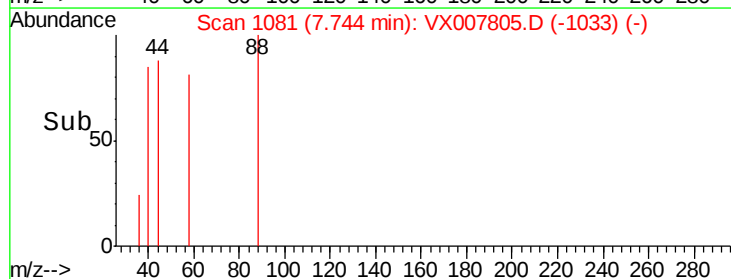
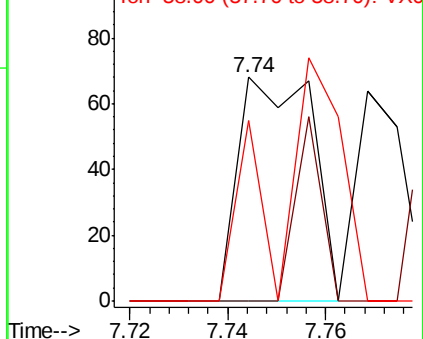
58 95.8 53.0 79.4#

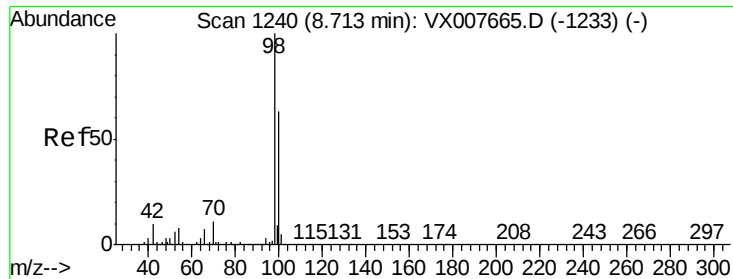


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 46.950 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007805.D

Acq: 04 Mar 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

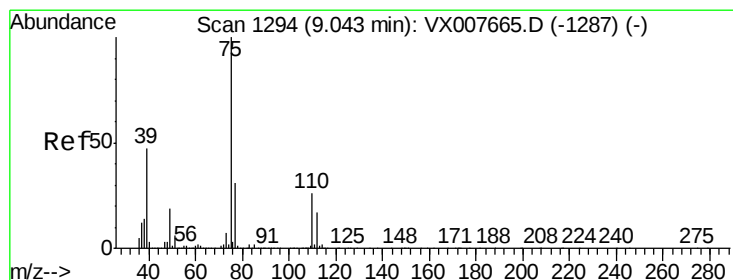
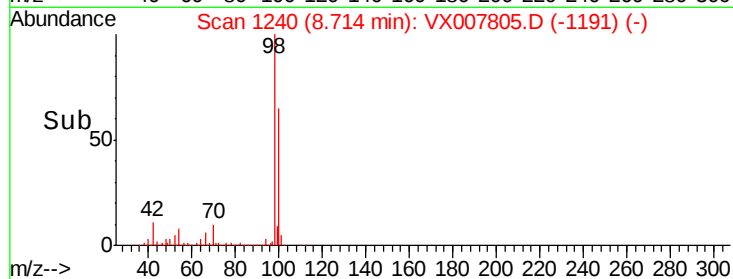
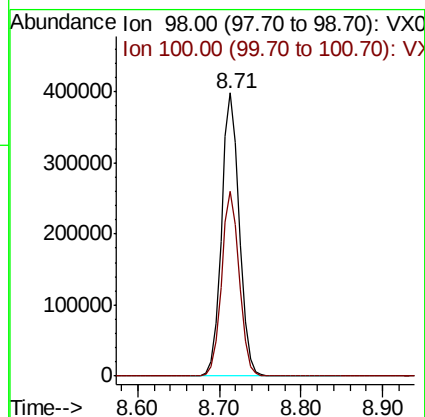
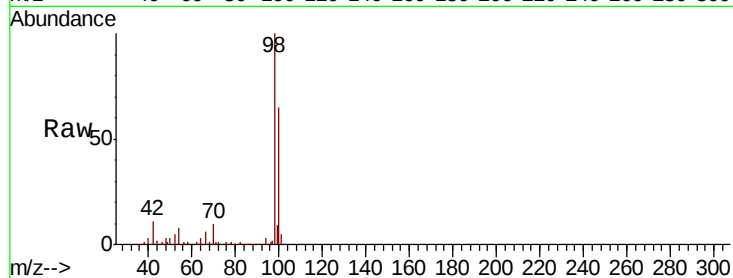
VX0304MBL01

Tgt Ion: 98 Resp: 605598

Ion Ratio Lower Upper

98 100

100 64.9 51.6 77.4



#53

t-1,3-Dichloropropene

Concen: 2.849 ug/l

RT: 9.05 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX007805.D

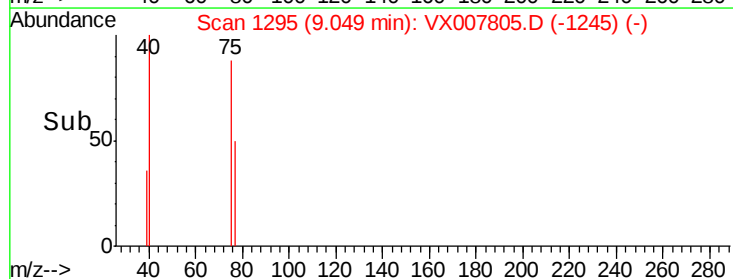
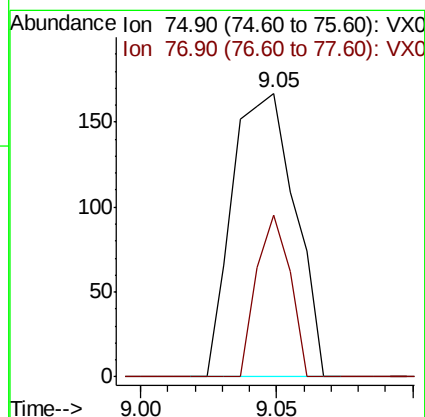
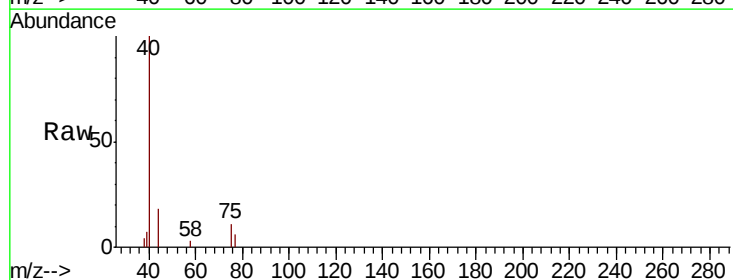
Acq: 04 Mar 2019 12:40

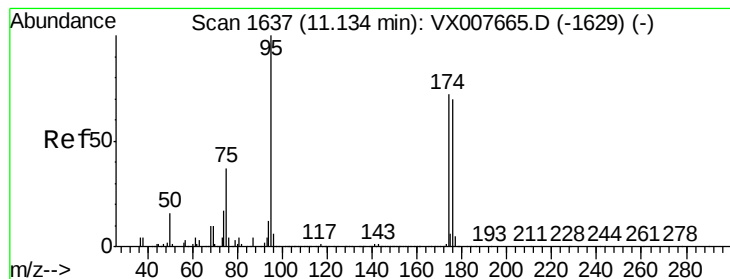
Tgt Ion: 75 Resp: 266

Ion Ratio Lower Upper

75 100

77 56.9 25.2 37.8#





#62

4-Bromofluorobenzene

Concen: 45.971 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007805.D

Acq: 04 Mar 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VX0304MBL01

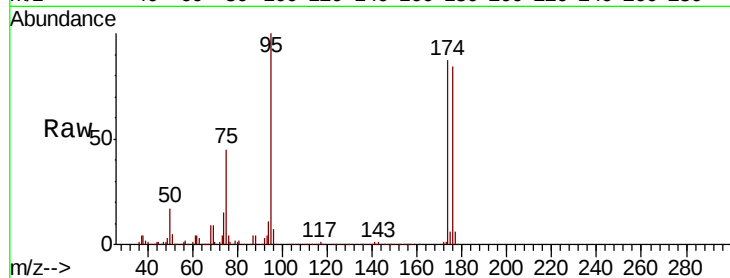
Tgt Ion: 95 Resp: 217642

Ion Ratio Lower Upper

95 100

174 93.0 0.0 189.2

176 90.1 0.0 186.2



Abundance Ion 94.90 (94.60 to 95.60): VX007665.D (-1629) (-)

Ion 173.80 (173.50 to 174.50): VX007665.D (-1629) (-)

Ion 175.80 (175.50 to 176.50): VX007665.D (-1629) (-)

11.13

200000

150000

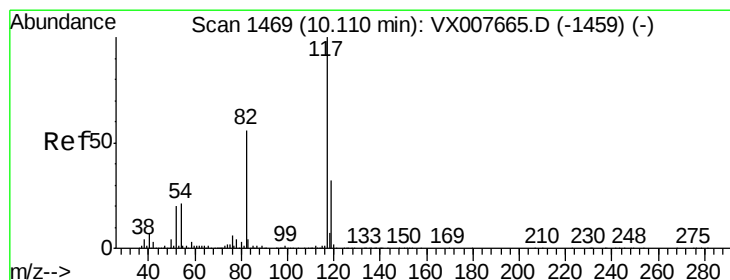
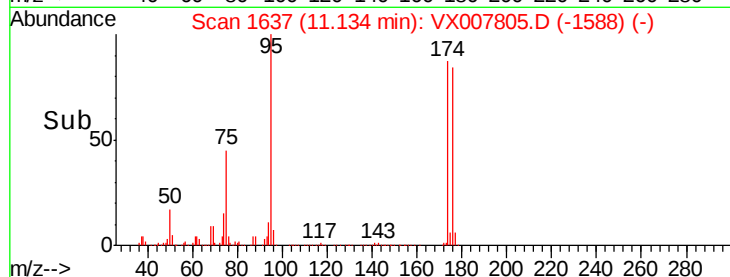
100000

50000

0

11.10 11.20

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX007805.D

Acq: 04 Mar 2019 12:40

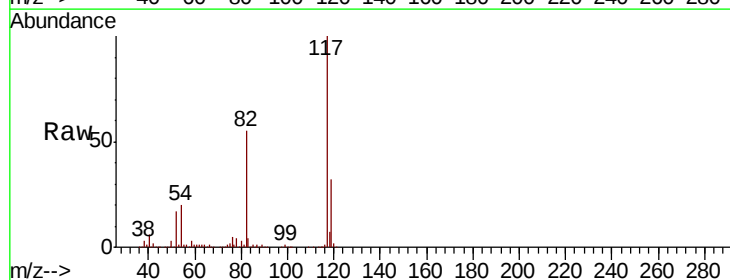
Tgt Ion: 117 Resp: 467934

Ion Ratio Lower Upper

117 100

82 54.6 42.1 63.1

119 32.2 26.5 39.7



Abundance Ion 116.90 (116.60 to 117.60): VX007665.D (-1459) (-)

Ion 82.00 (81.70 to 82.70): VX007665.D (-1459) (-)

Ion 118.90 (118.60 to 119.60): VX007665.D (-1459) (-)

10.11

400000

300000

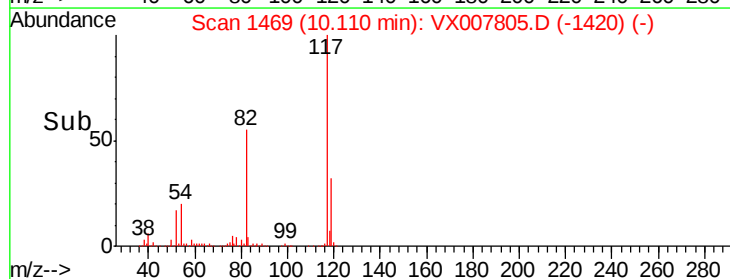
200000

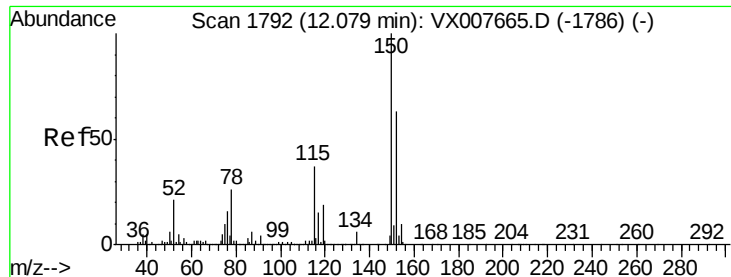
100000

0

10.10 10.20

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007805.D

Acq: 04 Mar 2019 12:40

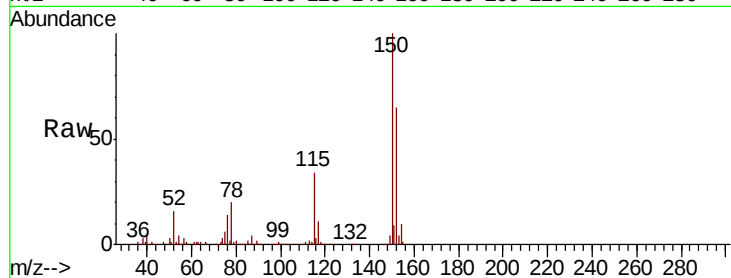
Instrument :

MSVOA_X

ClientSampleId :

VX0304MBL01

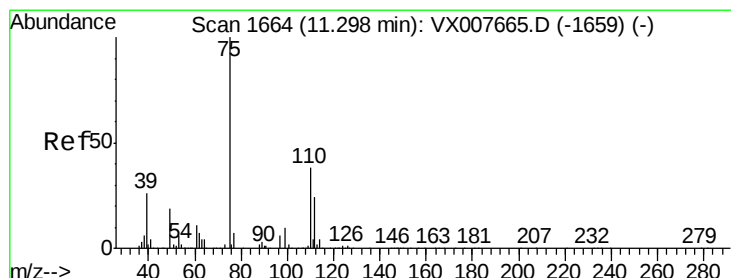
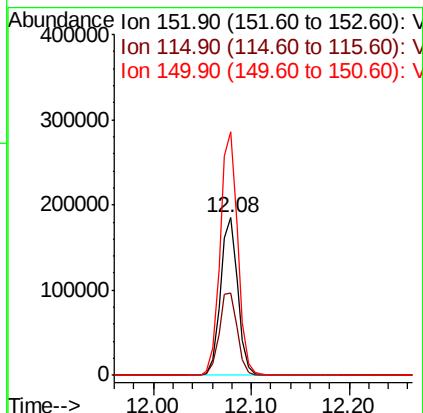
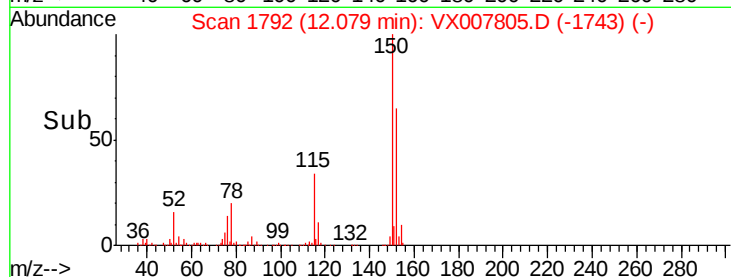
Tgt Ion:	152	Resp:	224967
Ion	Ratio	Lower	Upper
152	100		
115	54.7	38.0	114.0
150	156.9	0.0	346.4



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: 20.760 ug/l

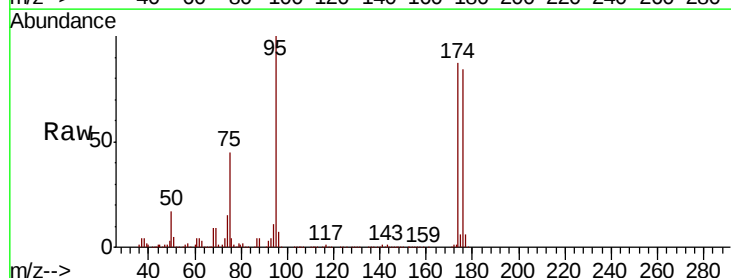
RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007805.D

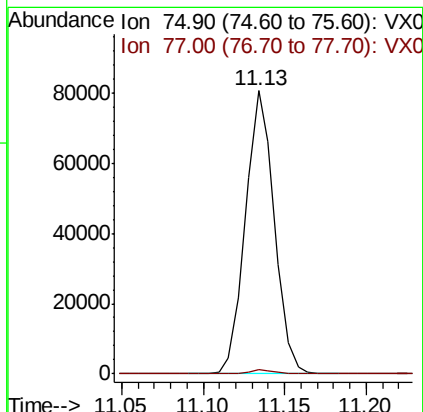
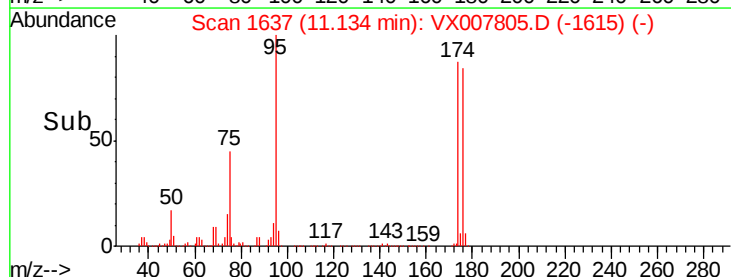
Acq: 04 Mar 2019 12:40

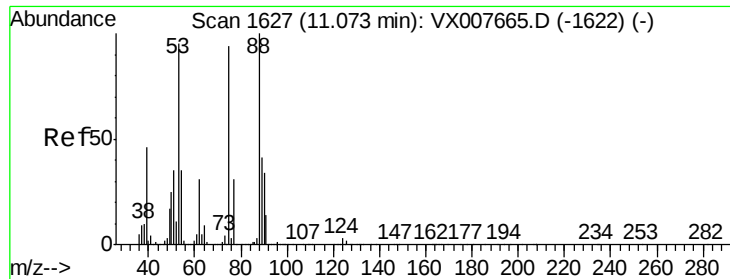
Tgt Ion:	75	Resp:	99552
Ion	Ratio	Lower	Upper
75	100		
77	1.3	23.0	69.0#



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: 55.293 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007805.D

Acq: 04 Mar 2019 12:40

Instrument :

MSVOA_X

ClientSampleId :

VX0304MBL01

Tgt Ion: 75 Resp: 99552

Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.6#

89 0.0 41.4 62.0#

