

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX080819\
 Data File : VX011380.D
 Acq On : 08 Aug 2019 10:24
 Operator : JC/SP
 Sample : VX0808MBL01
 Misc : 5.0g/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808MBL01

Quant Time: Aug 09 04:21:31 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	5.65	168	143693	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	233078	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	214526	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	93385	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	83453	57.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.34%	
35) Dibromofluoromethane	5.49	113	76353	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
50) Toluene-d8	8.71	98	278897	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
62) 4-Bromofluorobenzene	11.13	95	93028	45.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.72%	

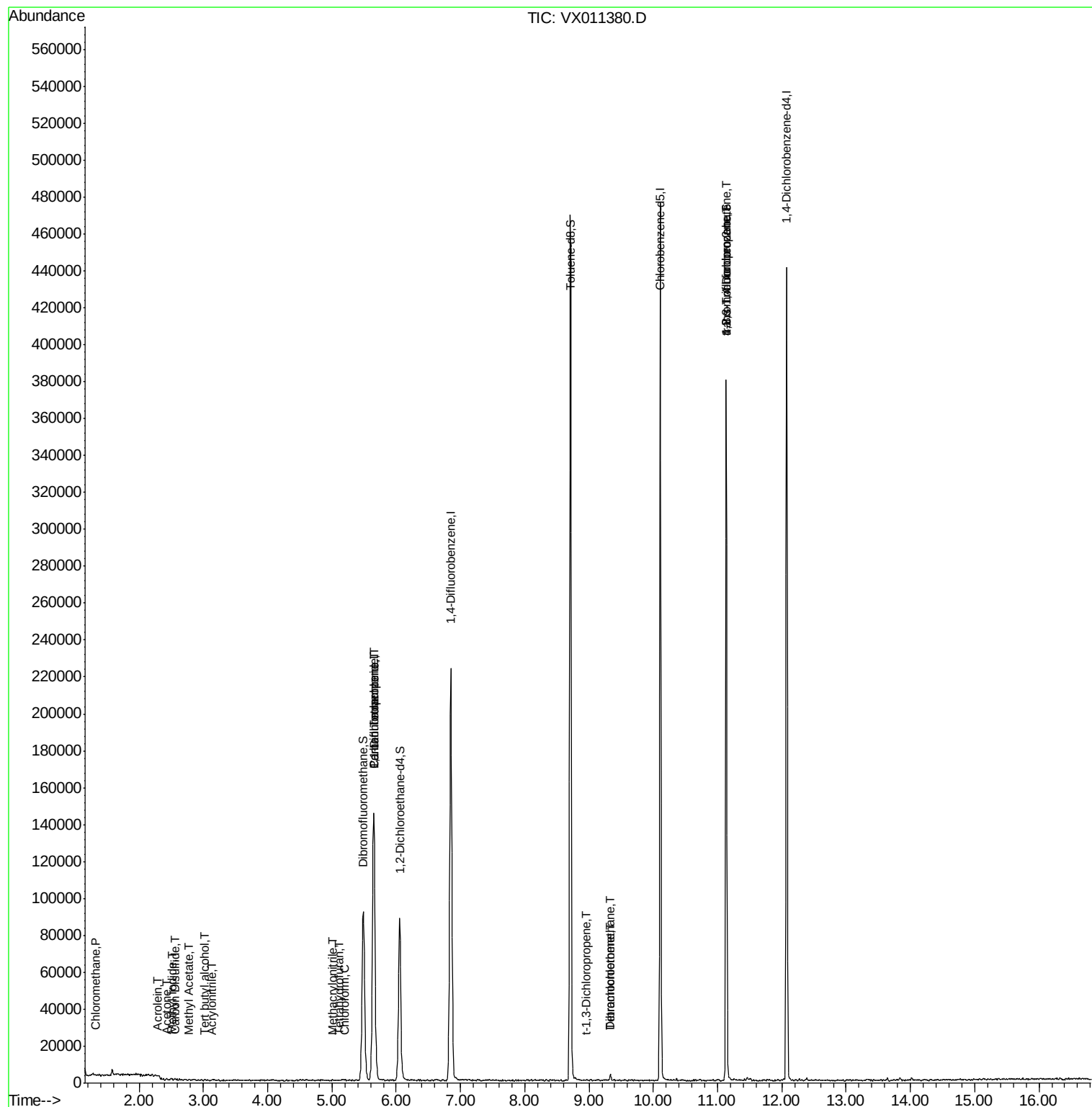
Target Compounds			Qvalue			
3) Chloromethane	1.32	50	479	0.384	ug/l #	77
6) Chloroethane	1.73	64	128	Below Cal	#	46
10) Methyl Iodide	2.52	142	485	0.292	ug/l #	55
11) Tert butyl alcohol	3.02	59	55	0.213	ug/l #	72
13) Acrolein	2.29	56	170	0.527	ug/l #	15
15) Acrylonitrile	3.13	53	140	0.203	ug/l #	69
16) Acetone	2.43	43	466	0.677	ug/l #	40
17) Carbon Disulfide	2.57	76	742	0.242	ug/l #	75
18) Methyl Acetate	2.77	43	317	0.201	ug/l #	49
29) Tetrahydrofuran	5.11	42	335	0.558	ug/l #	29
30) Chloroform	5.20	83	624	0.254	ug/l #	79
36) 1,1-Dichloropropene	5.65	75	10049	4.938	ug/l #	48
38) Carbon Tetrachloride	5.65	117	13786	6.734	ug/l #	16
41) Methacrylonitrile	5.01	41	365	0.327	ug/l #	20
53) t-1,3-Dichloropropene	8.95	75	21	2.847	ug/l #	43
60) Dibromochloromethane	9.34	129	545	0.322	ug/l #	10
64) Tetrachloroethene	9.33	164	632	0.347	ug/l #	85
76) 1,2,3-Trichloropropane	11.13	75	47006	27.640	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	47006	71.651	ug/l #	10

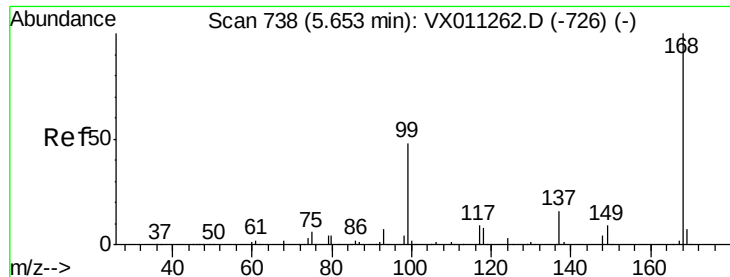
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011380.D

Acq: 08 Aug 2019 10:24

Instrument :

MSVOA_X

ClientSampleId :

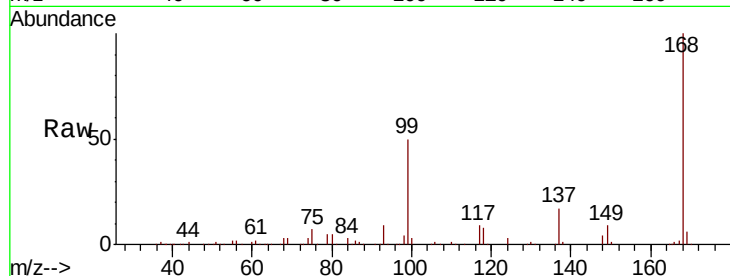
VX0808MBL01

Tgt Ion:168 Resp: 143693

Ion Ratio Lower Upper

168 100

99 50.4 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

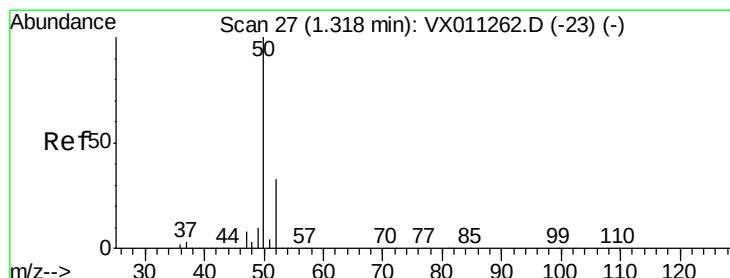
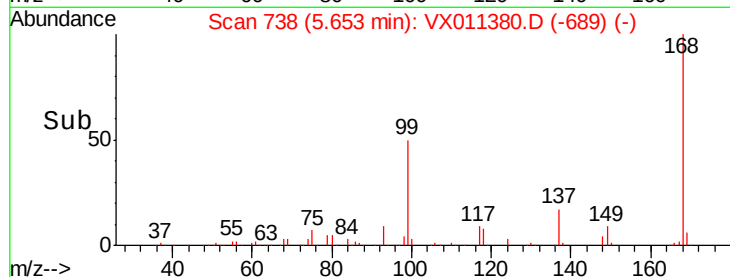
30000

20000

10000

0

Time-->



#3

Chloromethane

Concen: 0.384 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX011380.D

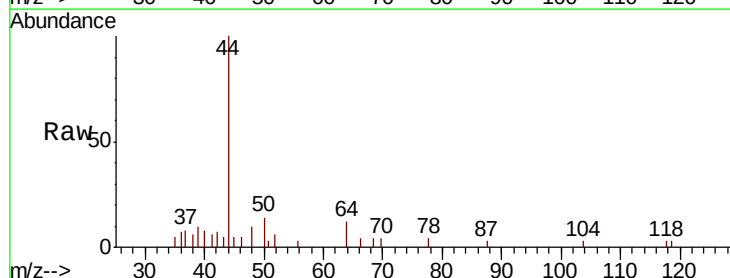
Acq: 08 Aug 2019 10:24

Tgt Ion: 50 Resp: 479

Ion Ratio Lower Upper

50 100

52 45.8 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

300

250

200

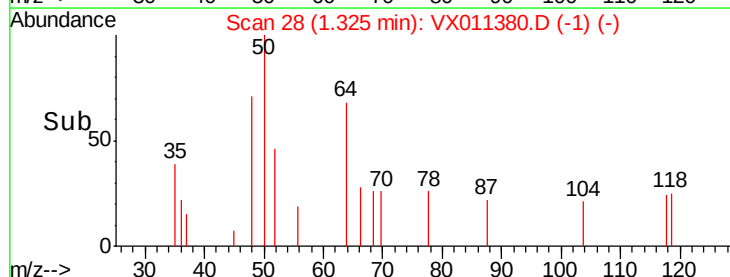
150

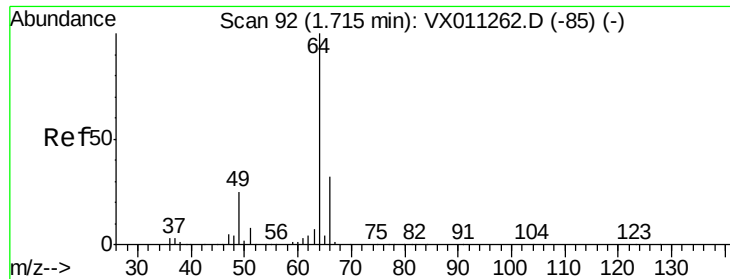
100

50

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX011380.D

Acq: 08 Aug 2019 10:24

Instrument :

MSVOA_X

ClientSampleId :

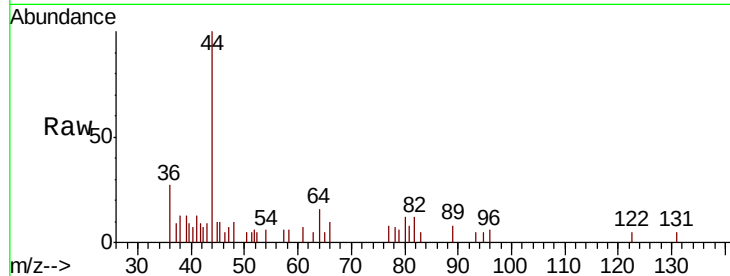
VX0808MBL01

Tgt Ion: 64 Resp: 128

Ion Ratio Lower Upper

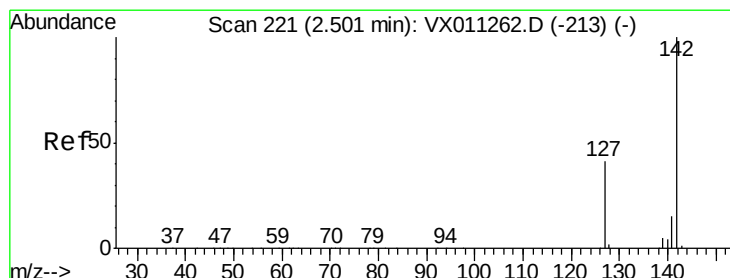
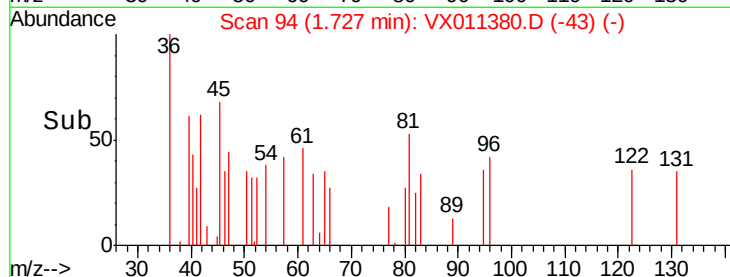
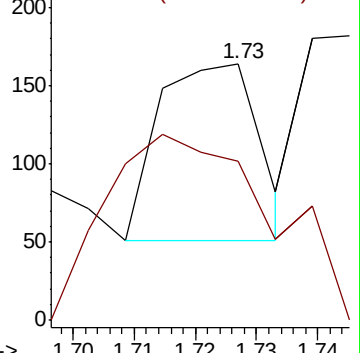
64 100

66 1.8 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 0.292 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.02 min

Lab File: VX011380.D

Acq: 08 Aug 2019 10:24

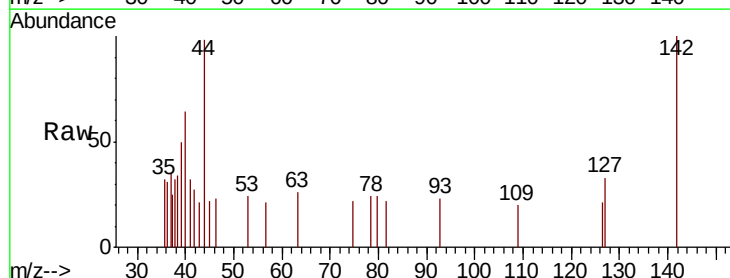
Tgt Ion: 142 Resp: 485

Ion Ratio Lower Upper

142 100

127 9.3 33.8 50.8#

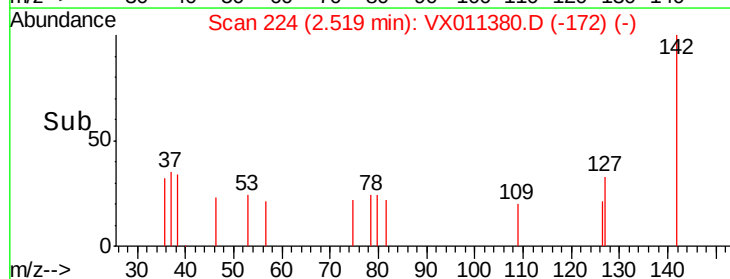
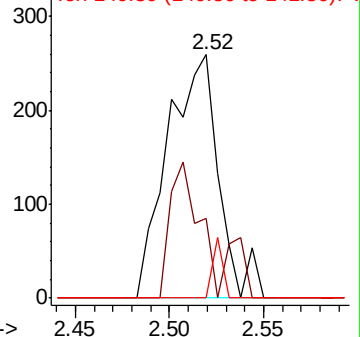
141 4.9 11.4 17.2#

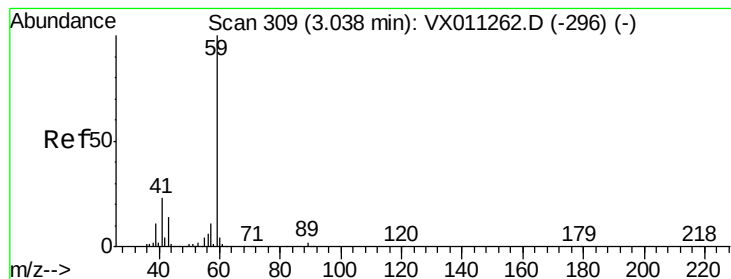


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 0.213 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.02 min

Lab File: VX011380.D

Acq: 08 Aug 2019 10:24

Instrument :

MSVOA_X

ClientSampleId :

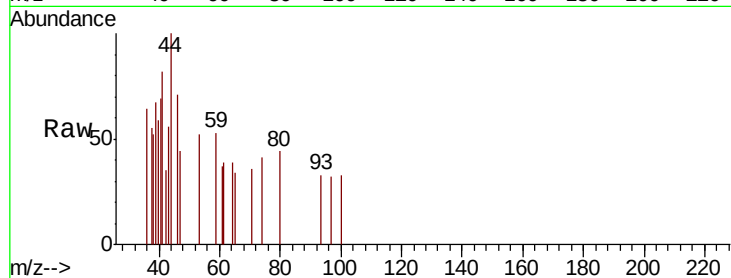
VX0808MBL01

Tgt Ion: 59 Resp: 55

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

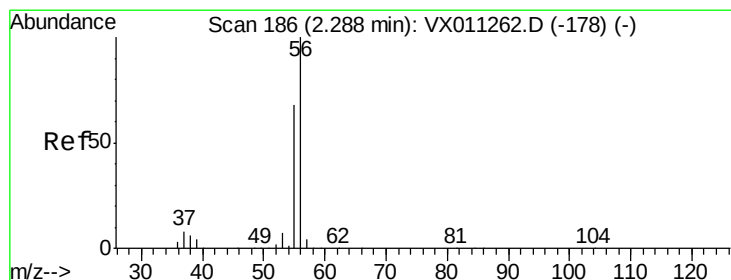
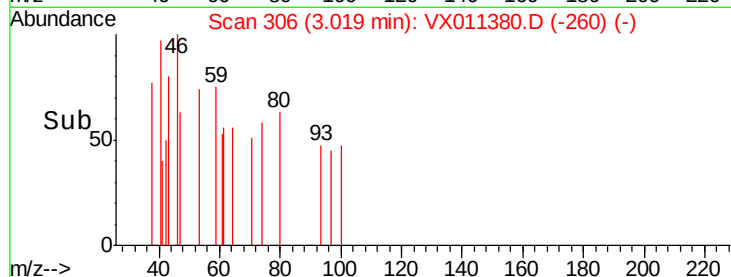


Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.02

Time-->



#13

Acrolein

Concen: 0.527 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011380.D

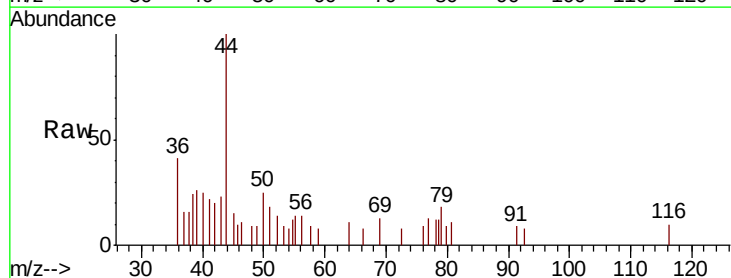
Acq: 08 Aug 2019 10:24

Tgt Ion: 56 Resp: 170

Ion Ratio Lower Upper

56 100

55 0.0 56.0 84.0#

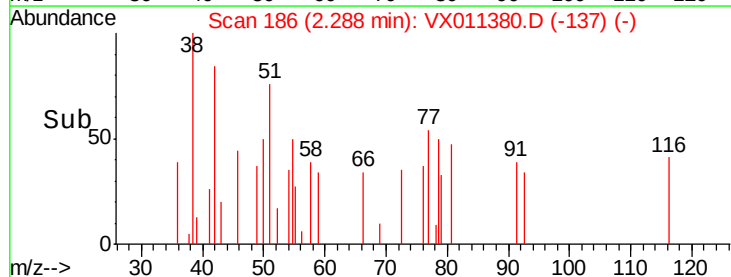


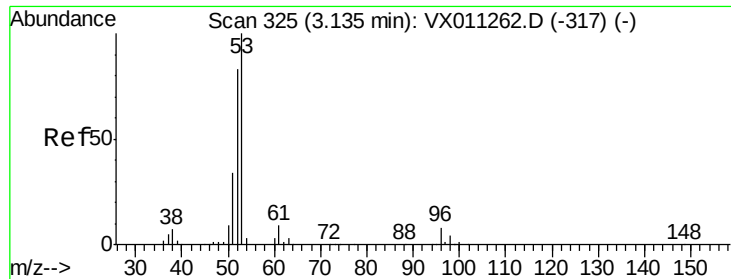
Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

Time-->





#15

Acrylonitrile

Concen: 0.203 ug/l

RT: 3.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX011380.D

Acq: 08 Aug 2019 10:24

Instrument :

MSVOA_X

ClientSampleId :

VX0808MBL01

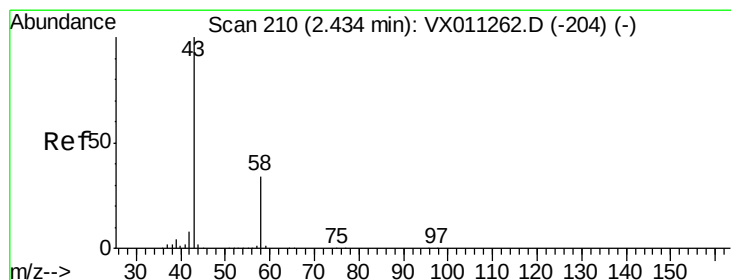
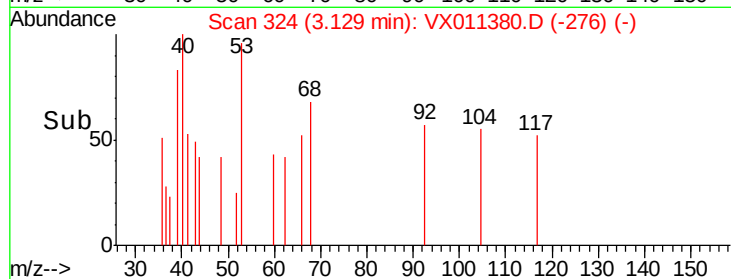
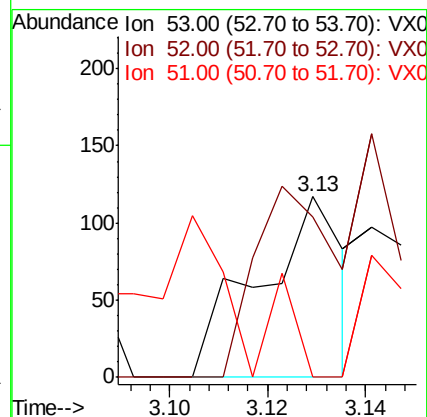
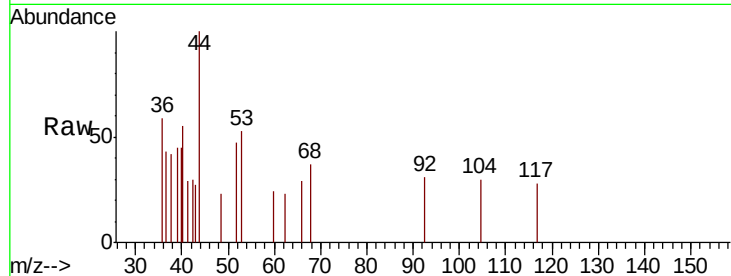
Tgt Ion: 53 Resp: 140

Ion Ratio Lower Upper

53 100

52 97.9 65.5 98.3

51 0.0 27.9 41.9#



#16

Acetone

Concen: 0.677 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011380.D

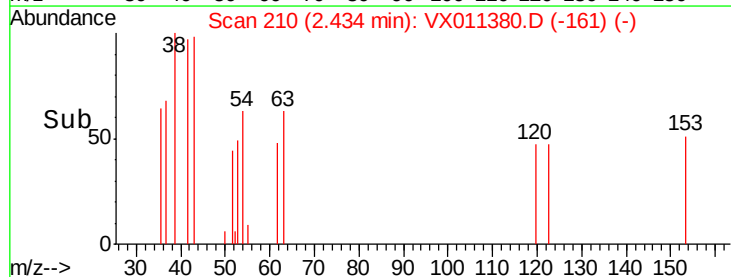
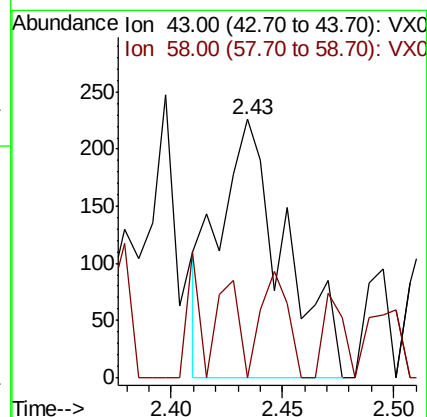
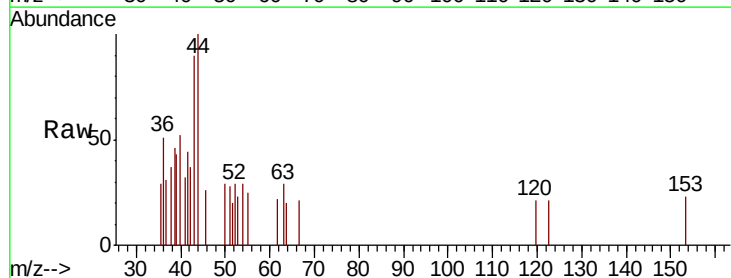
Acq: 08 Aug 2019 10:24

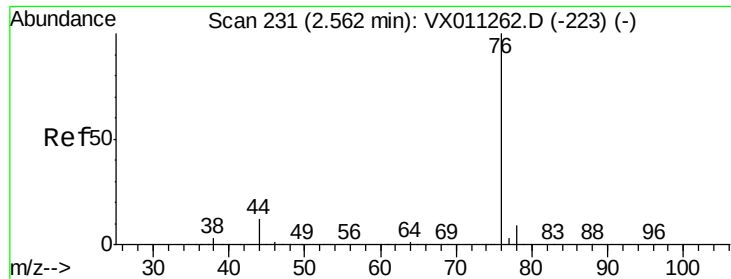
Tgt Ion: 43 Resp: 466

Ion Ratio Lower Upper

43 100

58 0.0 27.4 41.0#

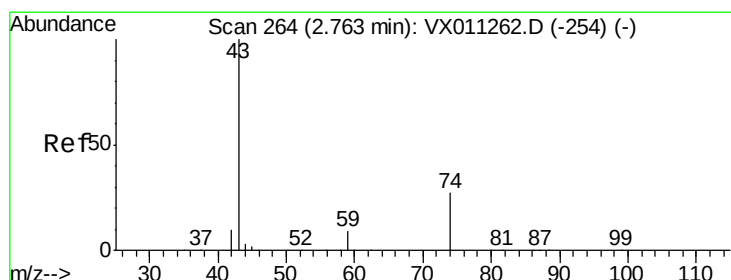
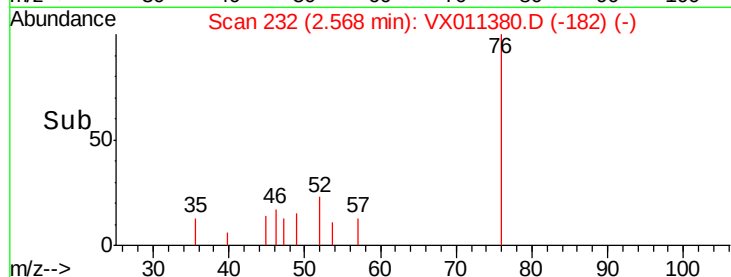
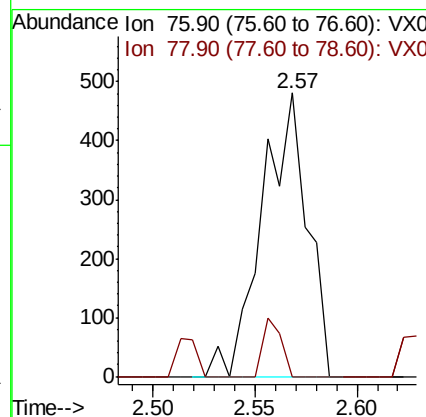
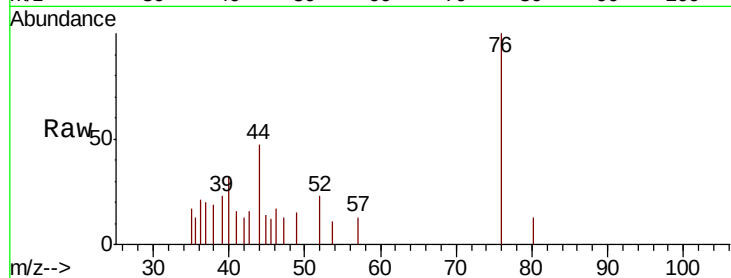




#17
Carbon Disulfide
Concen: 0.242 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX011380.D
Acq: 08 Aug 2019 10:24

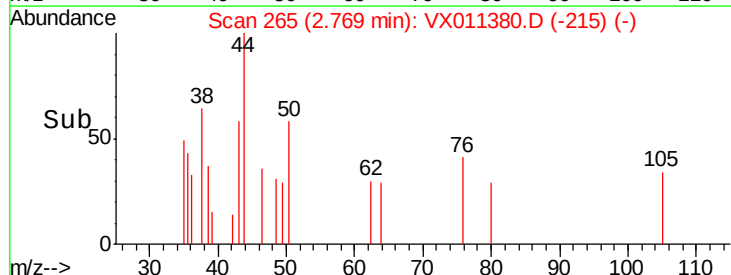
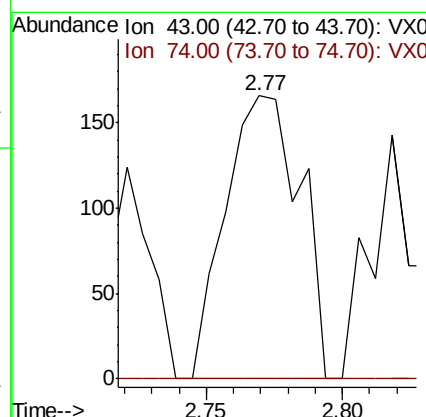
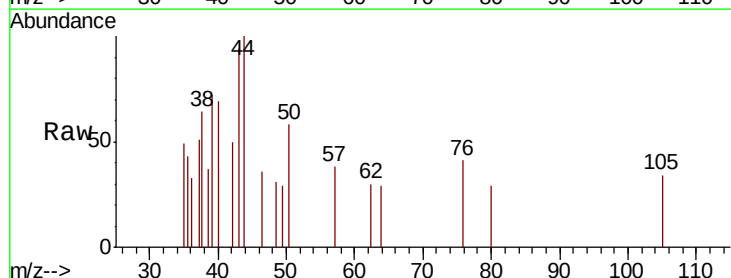
Instrument :
MSVOA_X
ClientSampled :
VX0808MBL01

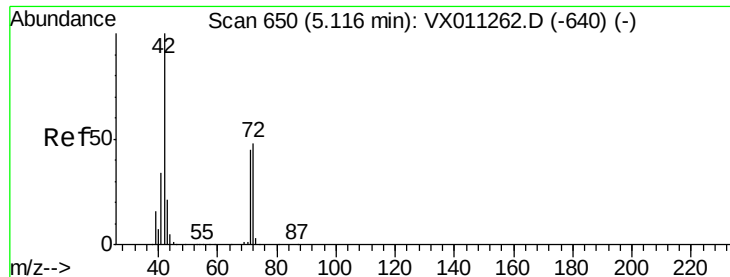
Tgt Ion: 76 Resp: 742
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.201 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011380.D
Acq: 08 Aug 2019 10:24

Tgt Ion: 43 Resp: 317
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.6#





#29

Tetrahydrofuran

Concen: 0.558 ug/l

RT: 5.11 min Scan# 649

Delta R.T. -0.01 min

Lab File: VX011380.D

Acq: 08 Aug 2019 10:24

Instrument :

MSVOA_X

ClientSampled :

VX0808MBL01

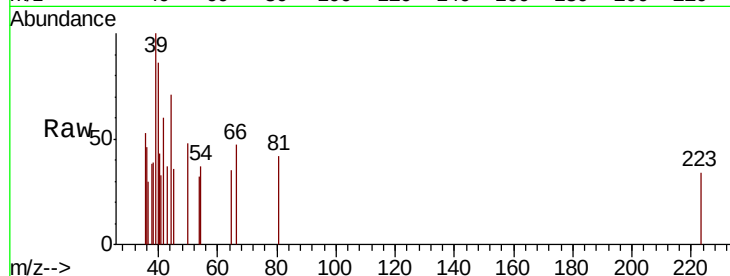
Tgt Ion: 42 Resp: 335

Ion Ratio Lower Upper

42 100

72 0.0 39.9 59.9#

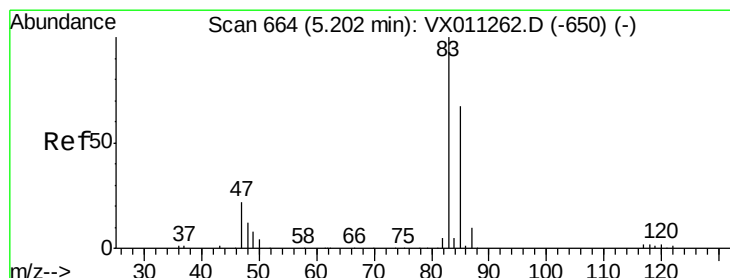
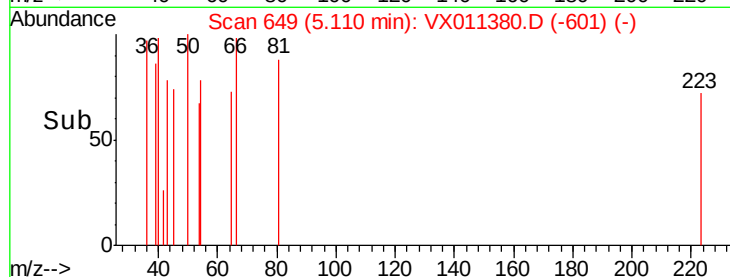
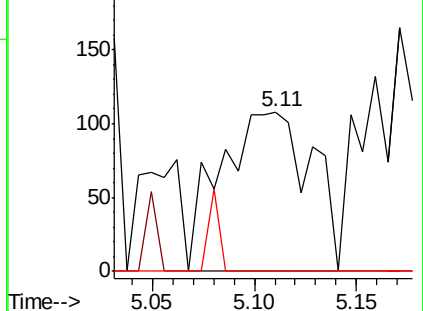
71 0.0 36.9 55.3#



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



#30

Chloroform

Concen: 0.254 ug/l

RT: 5.20 min Scan# 663

Delta R.T. -0.01 min

Lab File: VX011380.D

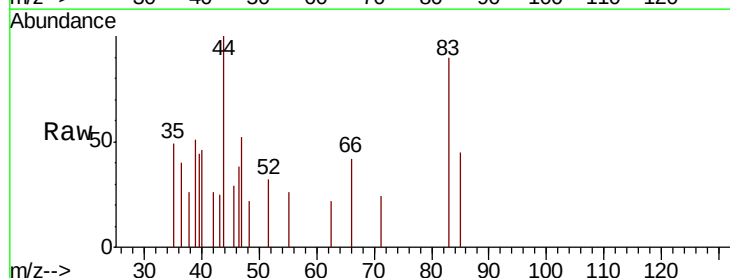
Acq: 08 Aug 2019 10:24

Tgt Ion: 83 Resp: 624

Ion Ratio Lower Upper

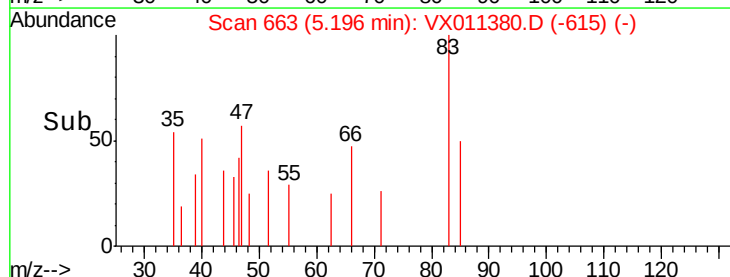
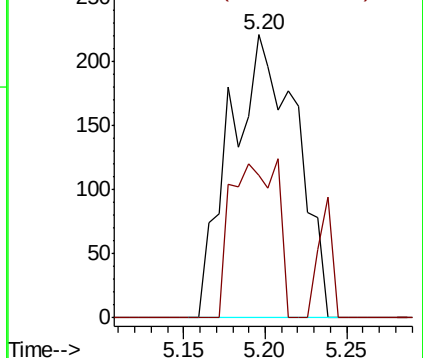
83 100

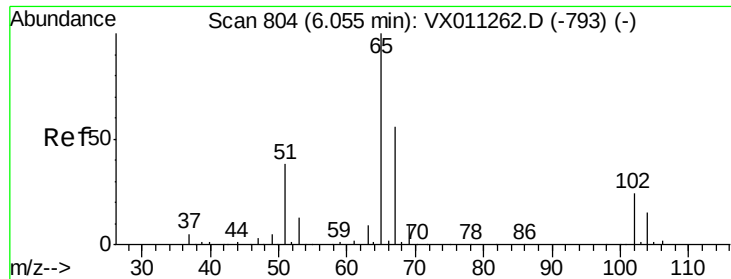
85 50.2 53.4 80.0#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

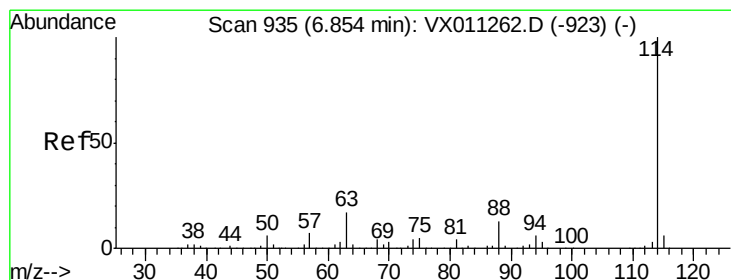
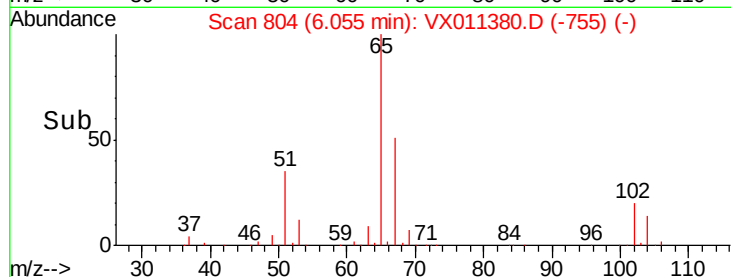
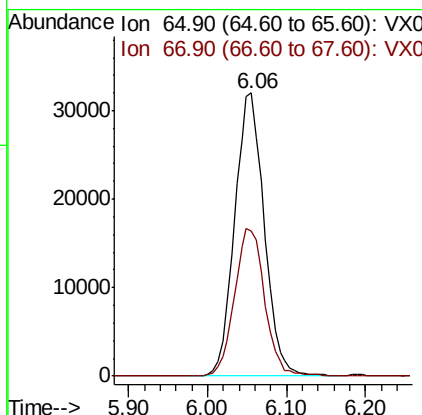
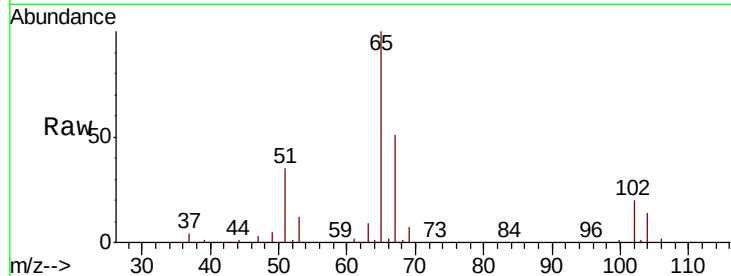




#33
 1,2-Dichloroethane-d4
 Concen: 57.670 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011380.D
 Acq: 08 Aug 2019 10:24

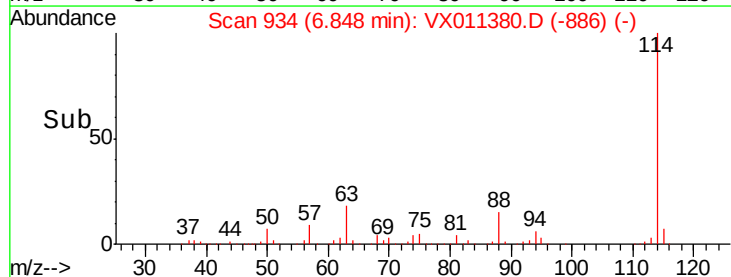
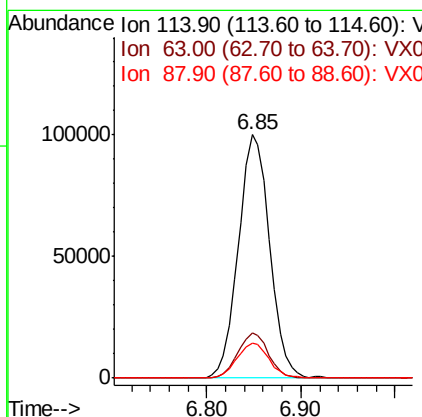
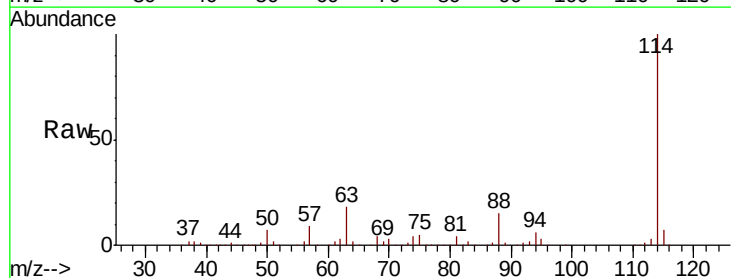
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808MBL01

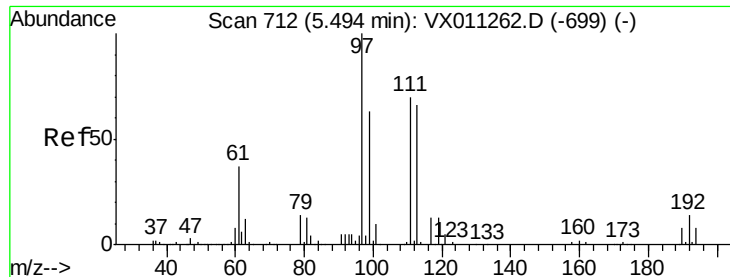
Tgt Ion: 65 Resp: 83453
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 934
 Delta R.T. -0.01 min
 Lab File: VX011380.D
 Acq: 08 Aug 2019 10:24

Tgt Ion: 114 Resp: 233078
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 34.0
 88 14.5 0.0 26.4

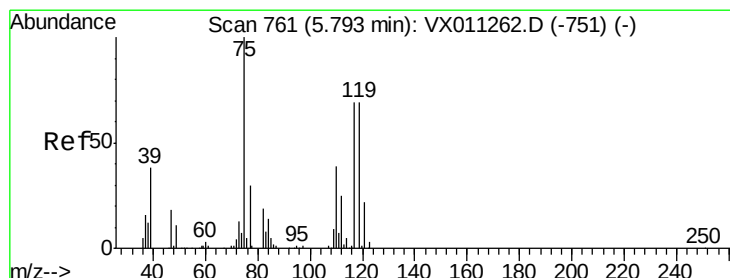
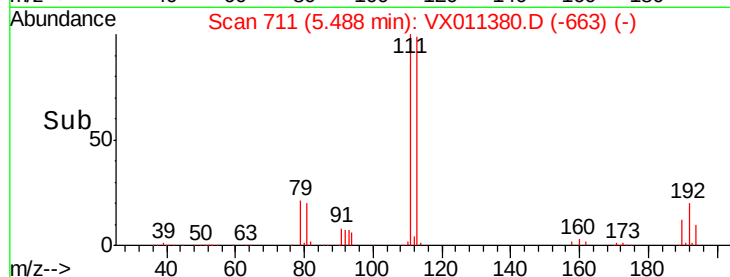
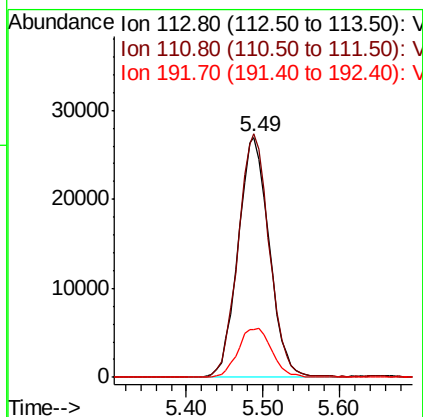
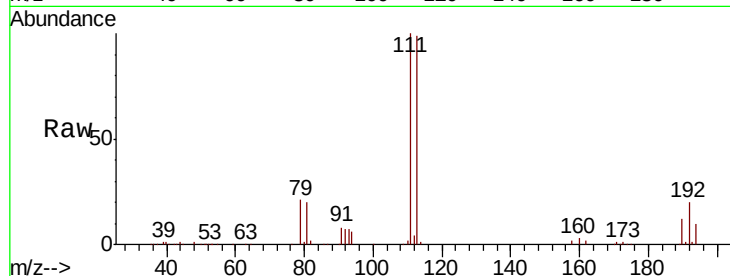




#35
 Dibromofluoromethane
 Concen: 50.176 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX011380.D
 Acq: 08 Aug 2019 10:24

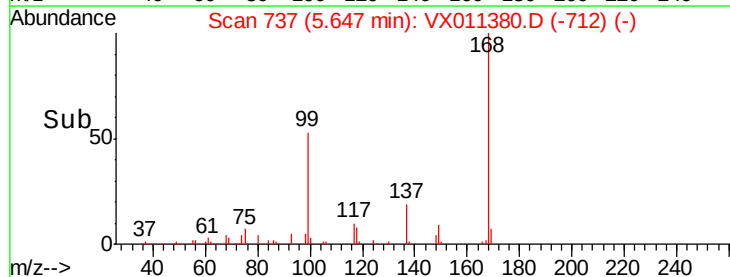
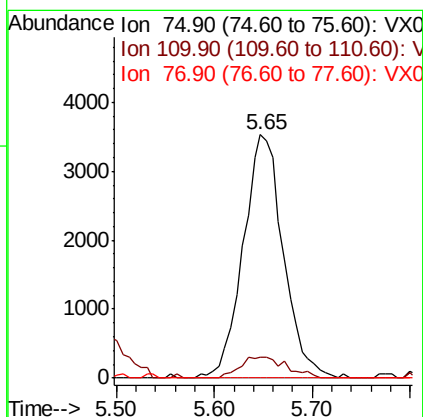
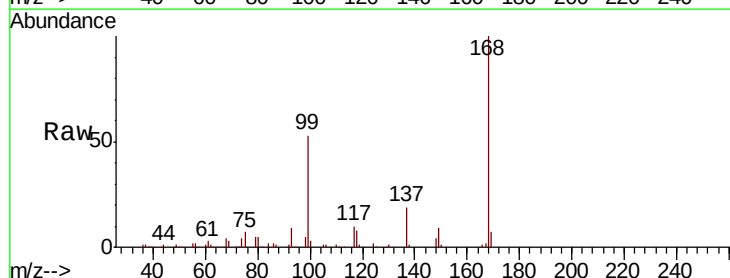
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0808MBL01

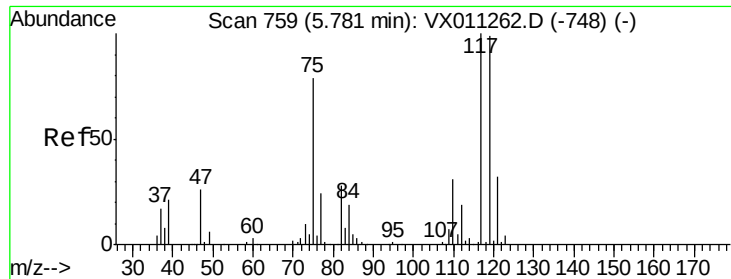
Tgt Ion:113 Resp: 76353
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.9 122.9
 192 22.0 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 4.938 ug/l
 RT: 5.65 min Scan# 737
 Delta R.T. -0.15 min
 Lab File: VX011380.D
 Acq: 08 Aug 2019 10:24

Tgt Ion: 75 Resp: 10049
 Ion Ratio Lower Upper
 75 100
 110 10.0 20.0 59.9#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.734 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.13 min

Lab File: VX011380.D

Acq: 08 Aug 2019 10:24

Instrument :

MSVOA_X

ClientSampleId :

VX0808MBL01

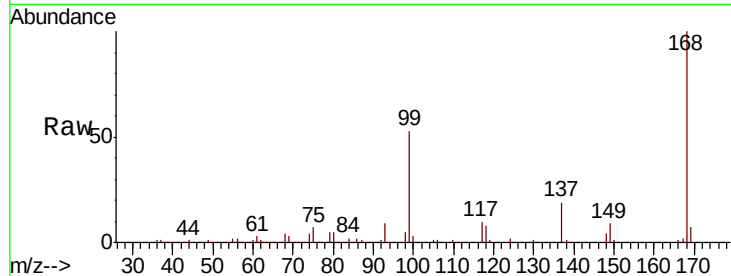
Tgt Ion:117 Resp: 13786

Ion Ratio Lower Upper

117 100

119 6.3 79.0 118.4#

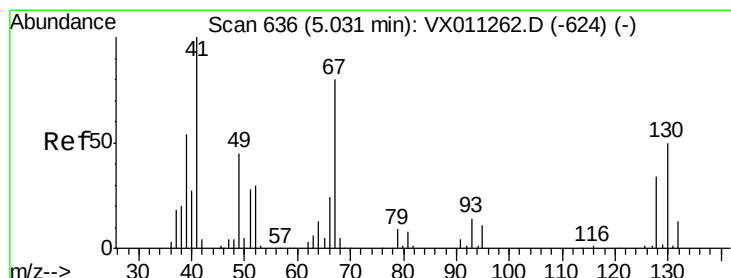
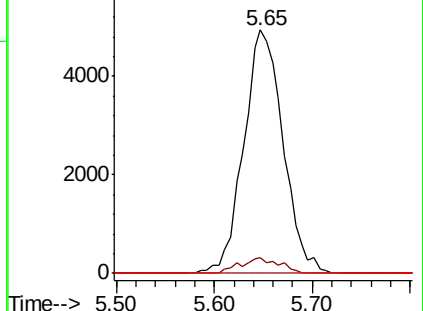
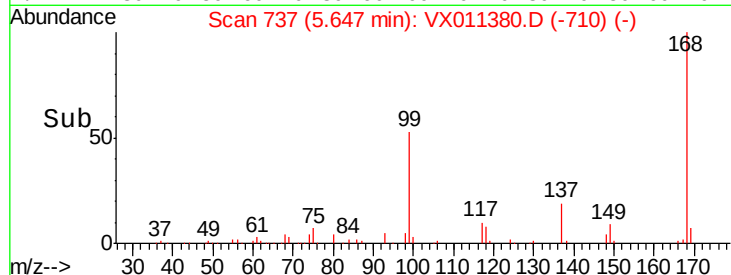
121 0.0 25.9 38.9#



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



#41

Methacrylonitrile

Concen: 0.327 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.02 min

Lab File: VX011380.D

Acq: 08 Aug 2019 10:24

Tgt Ion: 41 Resp: 365

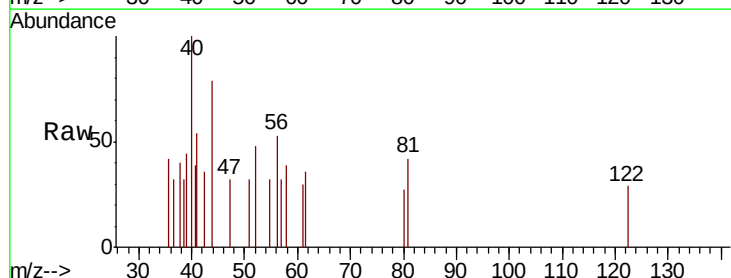
Ion Ratio Lower Upper

41 100

39 0.0 43.0 64.6#

67 0.0 65.1 97.7#

52 0.0 24.8 37.2#

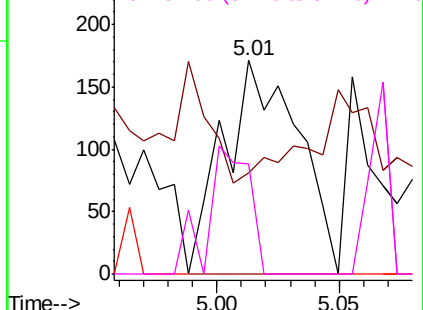
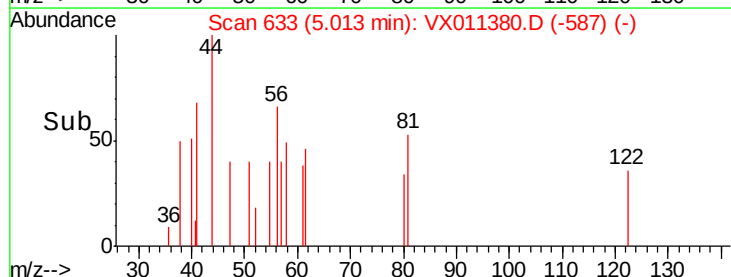


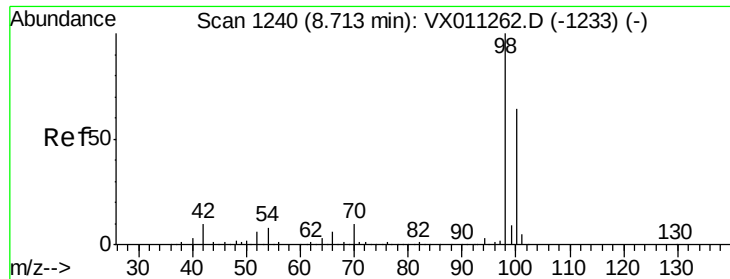
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#50

Toluene-d8

Concen: 48.554 ug/l

RT: 8.71 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VX011380.D

Acq: 08 Aug 2019 10:24

Instrument :

MSVOA_X

ClientSampleId :

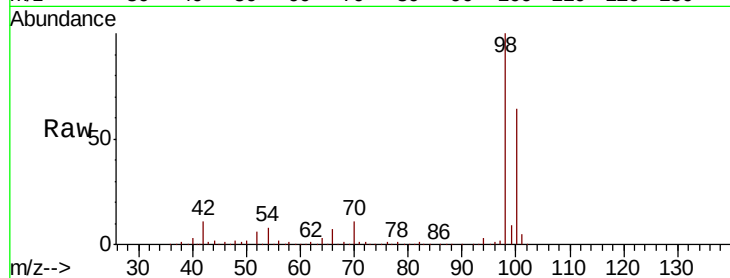
VX0808MBL01

Tgt Ion: 98 Resp: 278897

Ion Ratio Lower Upper

98 100

100 64.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

200000

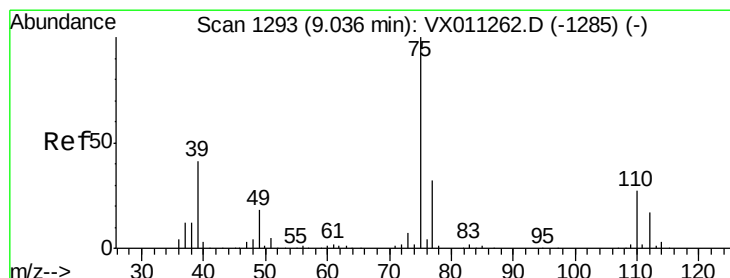
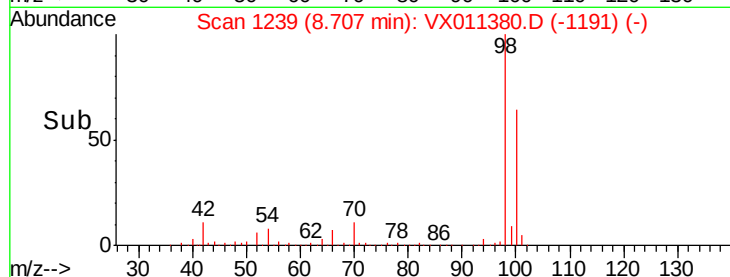
150000

100000

50000

0

Time-->



#53

t-1,3-Dichloropropene

Concen: 2.847 ug/l

RT: 8.95 min Scan# 1279

Delta R.T. -0.08 min

Lab File: VX011380.D

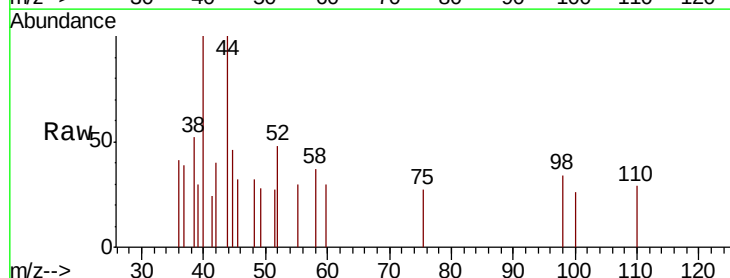
Acq: 08 Aug 2019 10:24

Tgt Ion: 75 Resp: 21

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

8.95

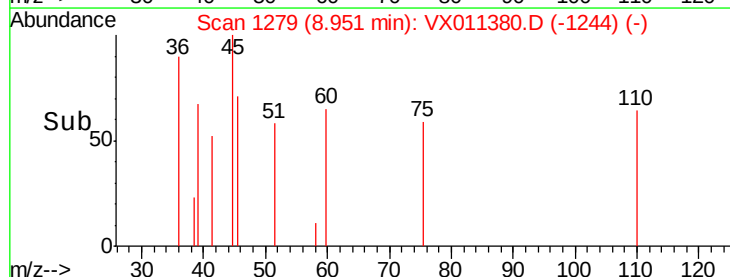
60

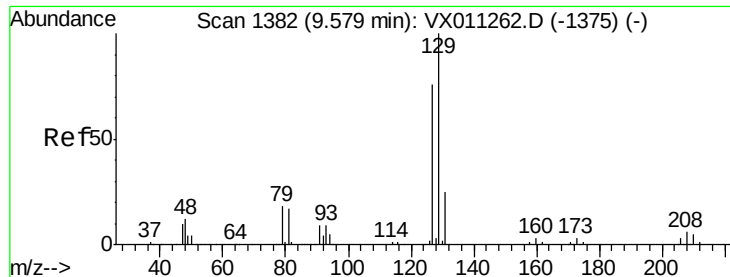
40

20

0

Time-->





#60

Dibromochloromethane

Concen: 0.322 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX011380.D

Acq: 08 Aug 2019 10:24

Instrument :

MSVOA_X

ClientSampled :

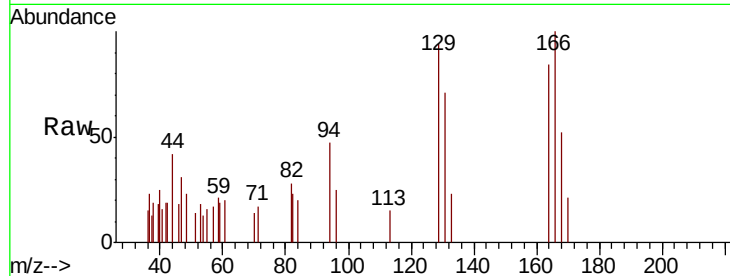
VX0808MBL01

Tgt Ion: 129 Resp: 545

Ion Ratio Lower Upper

129 100

127 0.0 39.2 117.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.34

400

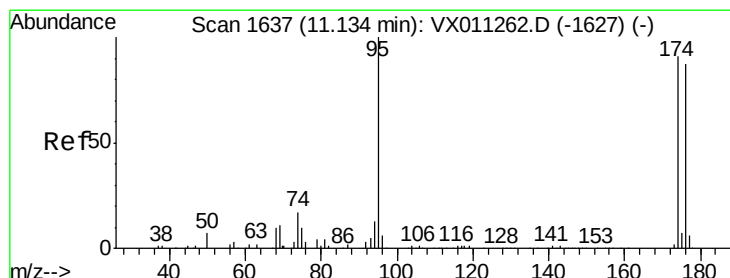
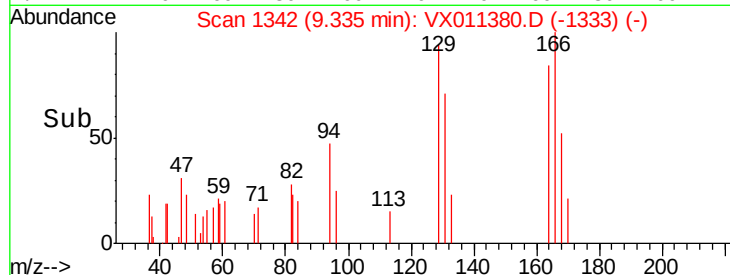
300

200

100

0

Time-->



#62

4-Bromofluorobenzene

Concen: 45.362 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011380.D

Acq: 08 Aug 2019 10:24

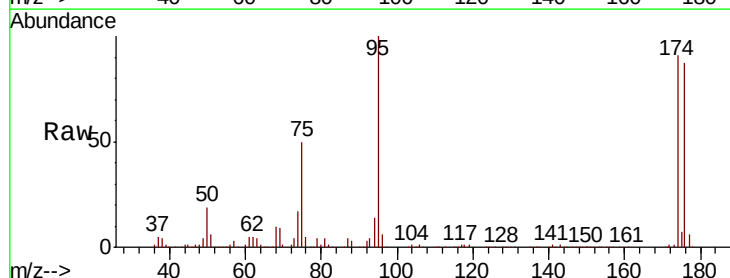
Tgt Ion: 95 Resp: 93028

Ion Ratio Lower Upper

95 100

174 92.0 0.0 191.2

176 88.9 0.0 184.8



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

100000

80000

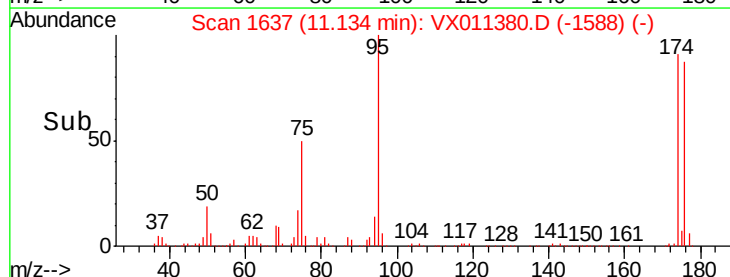
60000

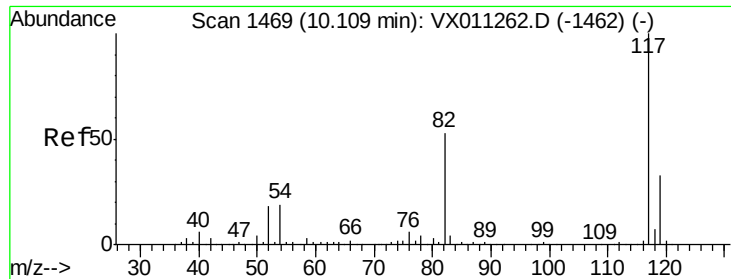
40000

20000

0

Time-->

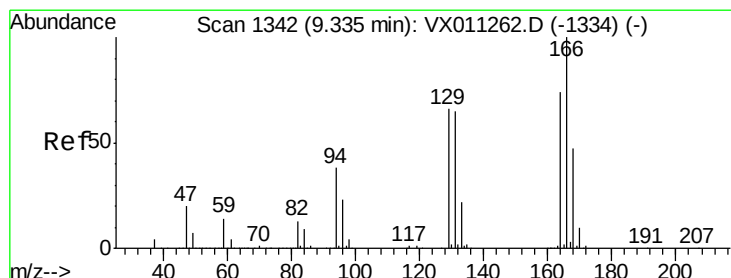
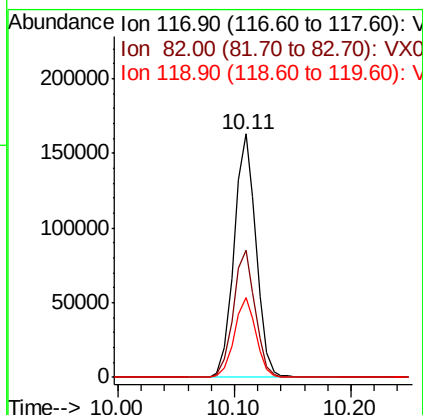
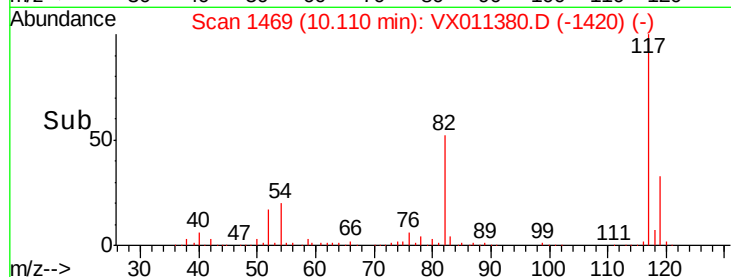
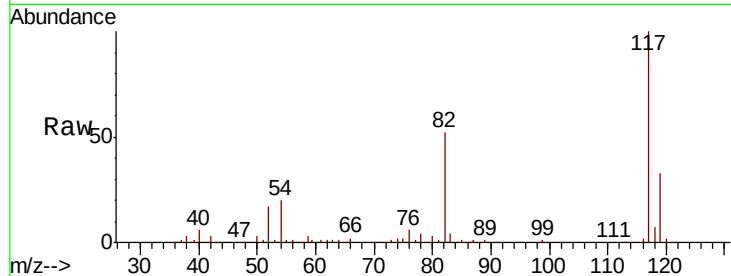




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011380.D
Acq: 08 Aug 2019 10:24

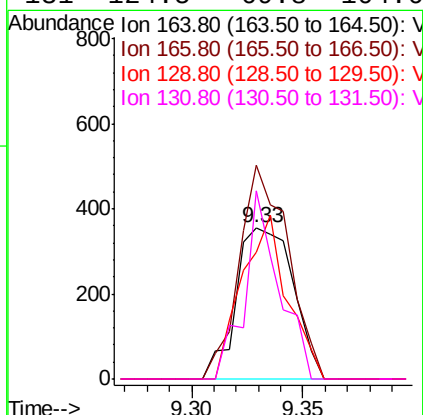
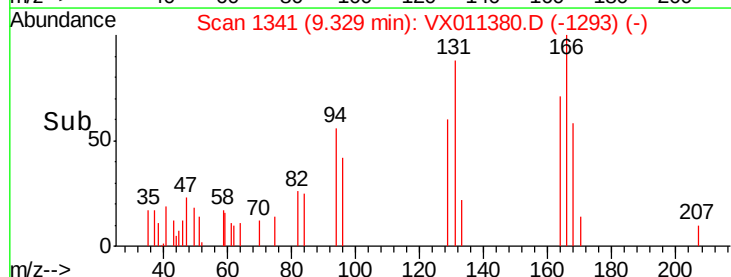
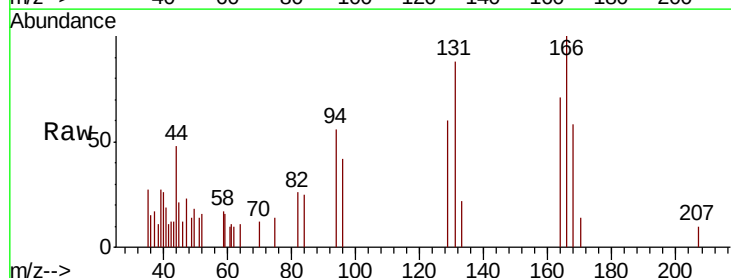
Instrument :
MSVOA_X
ClientSampled :
VX0808MBL01

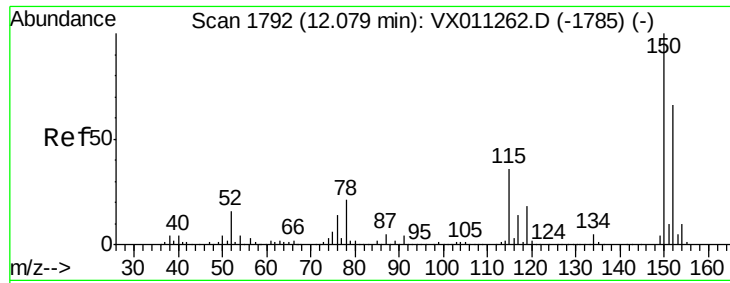
Tgt Ion:117 Resp: 214526
Ion Ratio Lower Upper
117 100
82 52.2 42.2 63.2
119 32.7 26.6 39.8



#64
Tetrachloroethene
Concen: 0.347 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX011380.D
Acq: 08 Aug 2019 10:24

Tgt Ion:164 Resp: 632
Ion Ratio Lower Upper
164 100
166 141.4 107.5 161.3
129 84.2 71.0 106.4
131 124.5 69.8 104.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX011380.D

Acq: 08 Aug 2019 10:24

Instrument :

MSVOA_X

ClientSampled :

VX0808MBL01

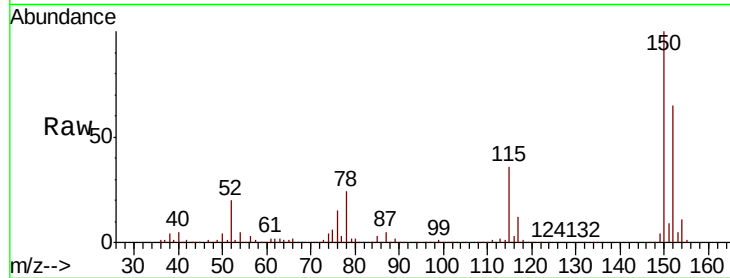
Tgt Ion:152 Resp: 93385

Ion Ratio Lower Upper

152 100

115 55.3 40.0 119.9

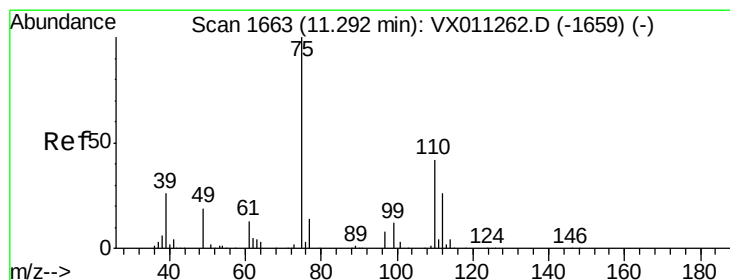
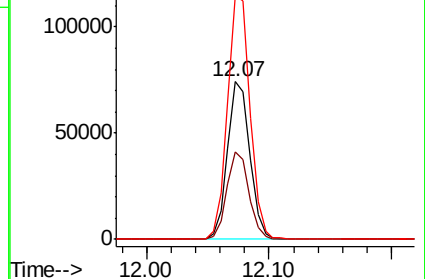
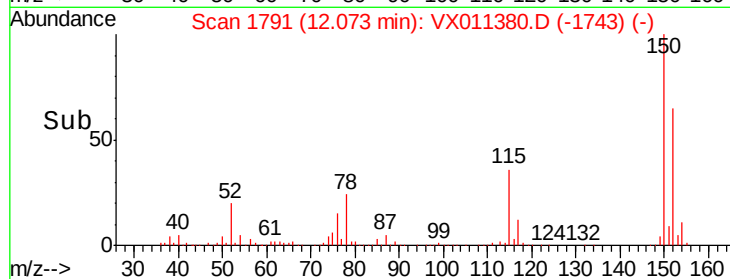
150 156.2 0.0 350.4



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: 27.640 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011380.D

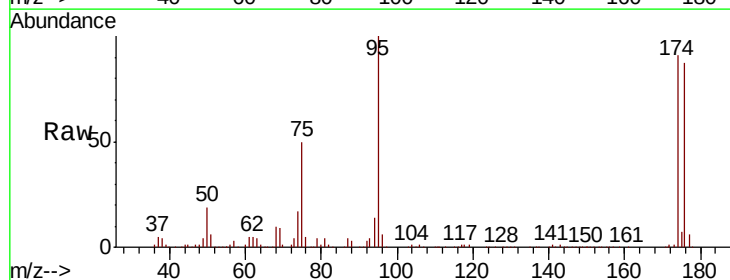
Acq: 08 Aug 2019 10:24

Tgt Ion: 75 Resp: 47006

Ion Ratio Lower Upper

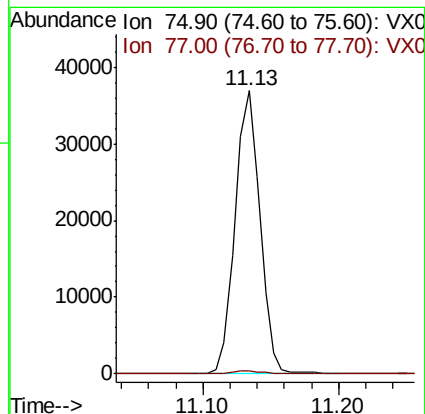
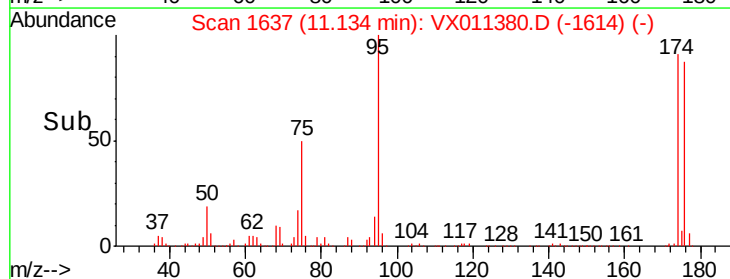
75 100

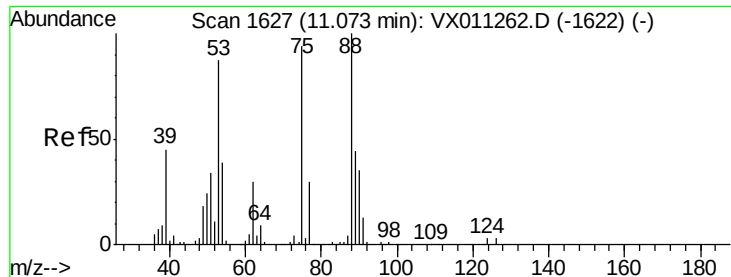
77 1.2 21.1 63.4#



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: 71.651 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011380.D

Acq: 08 Aug 2019 10:24

Instrument :

MSVOA_X

ClientSampleId :

VX0808MBL01

Tgt Ion: 75 Resp: 47006

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.4#

89 0.1 37.9 56.9#

