

Data File : VX008831.D
Acq On : 11 Apr 2019 02:18
Operator : JC/SP
Sample : K2200-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EO-01-040919-A

Quant Time: Apr 11 06:00:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	192709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	313896	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	273676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115135	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	129035	45.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.82%	
35) Dibromofluoromethane	5.49	113	94143	46.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.82%	
50) Toluene-d8	8.71	98	395446	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
62) 4-Bromofluorobenzene	11.13	95	132234	46.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.32%	

Target Compounds

					Qvalue	
3) Chloromethane	1.32	50	235	Below Cal	#	86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX041019\
Quantitation Report (Not Reviewed)

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Response via : Initial Calibration

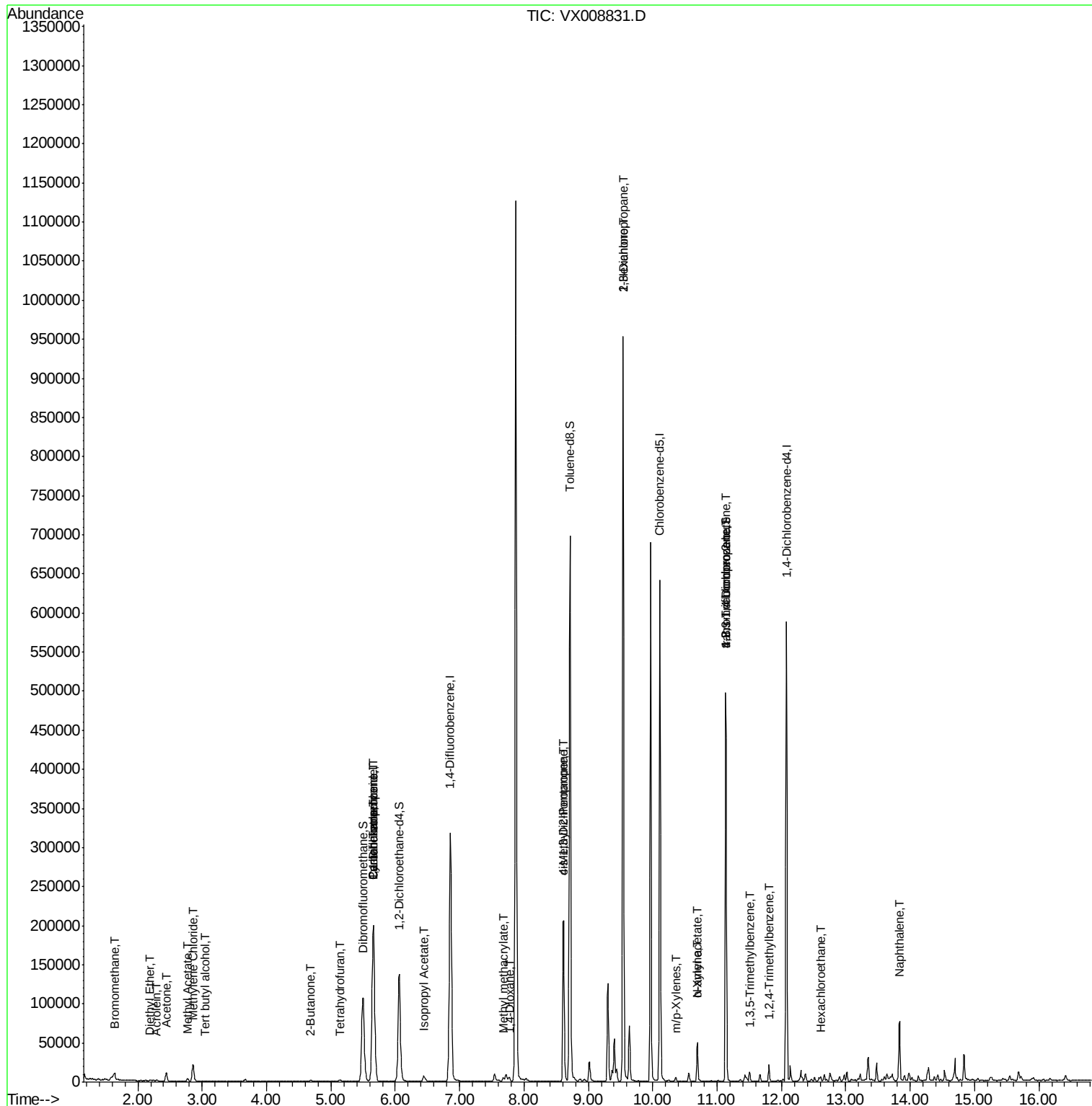
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

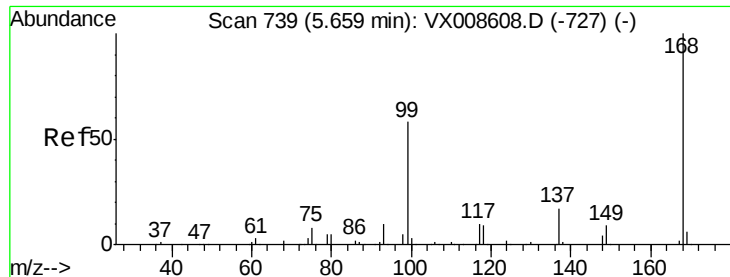
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

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Instrument :

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ClientSampleId :

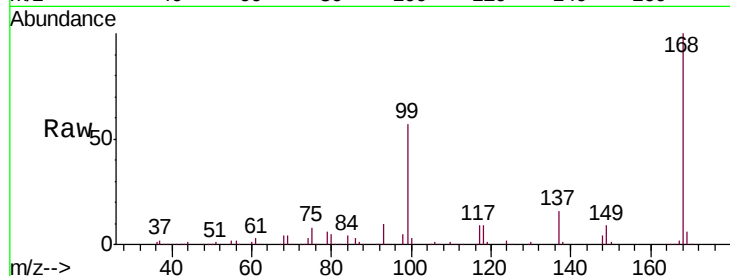
EO-01-040919-A

Tgt Ion:168 Resp: 192709

Ion Ratio Lower Upper

168 100

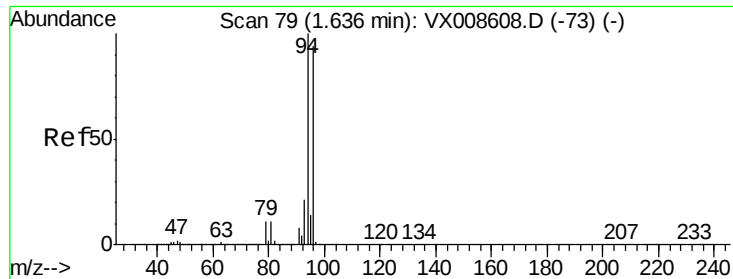
99 57.4 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66



#5

Bromomethane

Concen: 2.102 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008831.D

Acq: 11 Apr 2019 02:18

Instrument :

MSVOA_X

ClientSampleId :

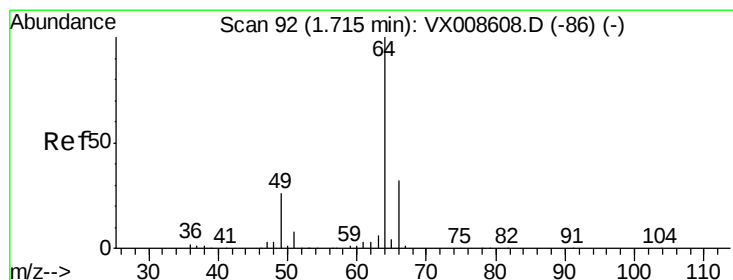
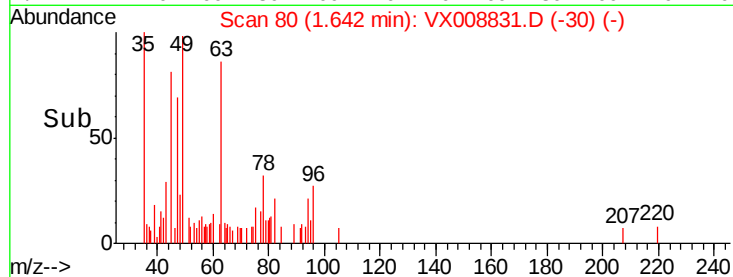
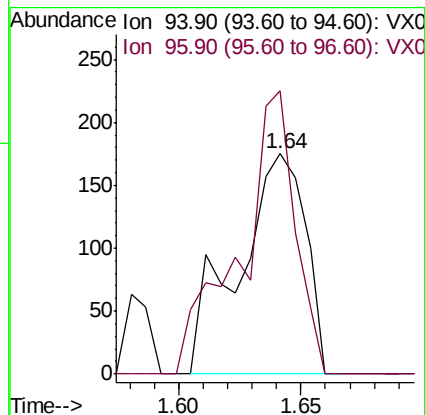
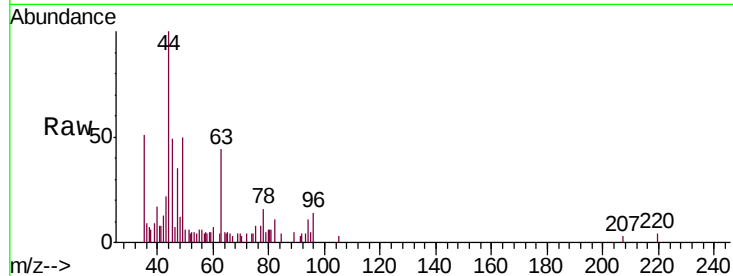
EO-01-040919-A

Tgt Ion: 94 Resp: 333

Ion Ratio Lower Upper

94 100

96 128.6 75.2 112.8#

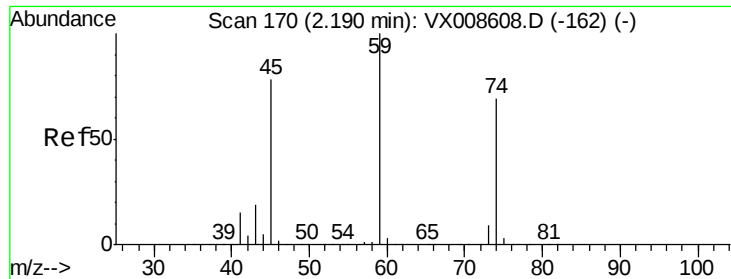


#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 87



#8

Diethyl Ether

Concen: 0.212 ug/l

RT: 2.18 min Scan# 169

Delta R.T. -0.01 min

Lab File: VX008831.D

Acq: 11 Apr 2019 02:18

Instrument :

MSVOA_X

ClientSampleId :

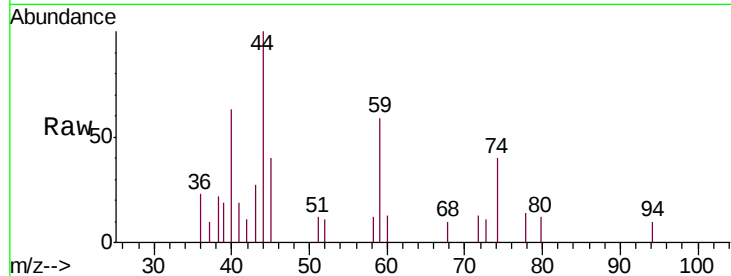
EO-01-040919-A

Tgt Ion: 74 Resp: 334

Ion Ratio Lower Upper

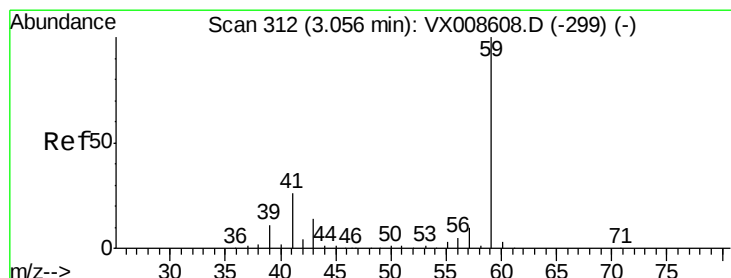
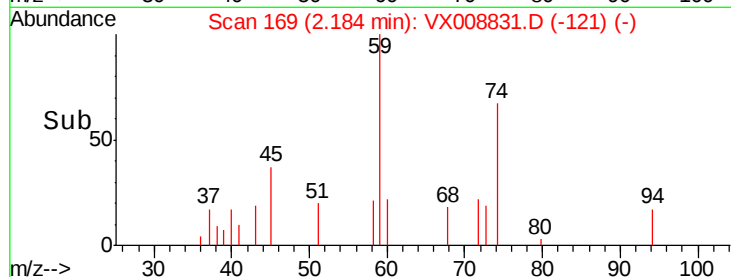
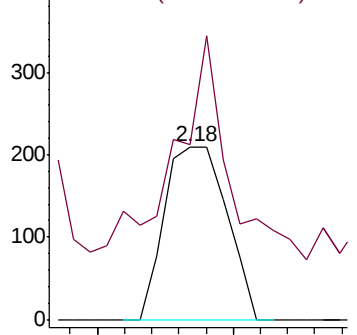
74 100

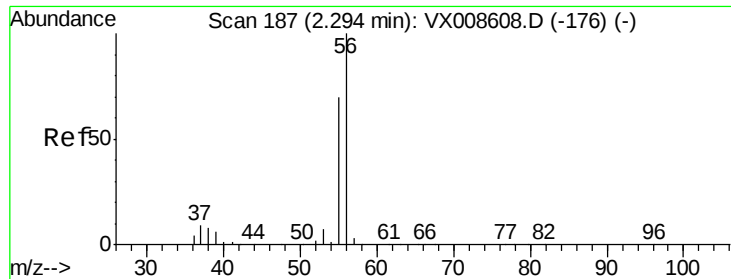
45 110.2 56.5 169.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#13

Acrolein

Concen: 0.460 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008831.D

Acq: 11 Apr 2019 02:18

Instrument :

MSVOA_X

ClientSampleId :

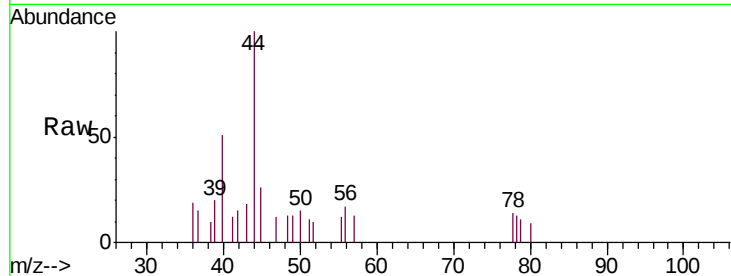
EO-01-040919-A

Tgt Ion: 56 Resp: 150

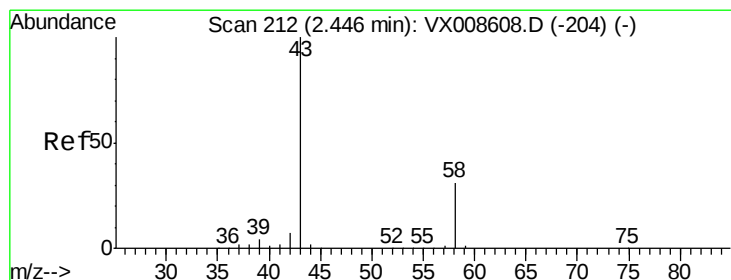
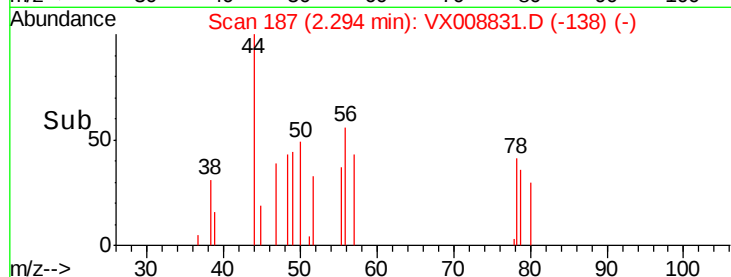
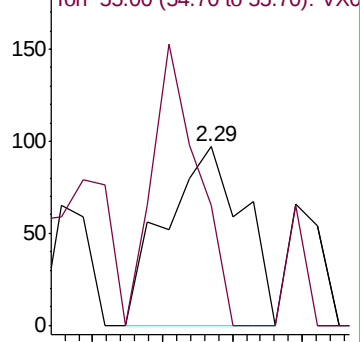
Ion Ratio Lower Upper

56 100

55 92.7 58.0 87.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0



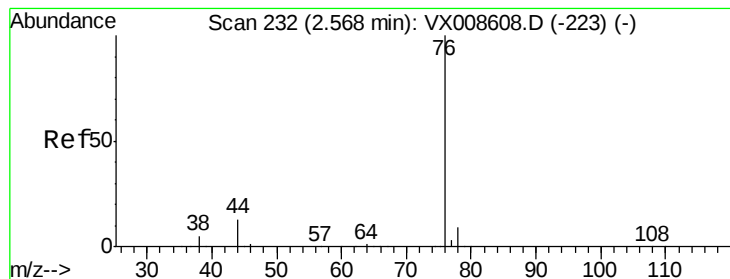
#16

Acetone

Concen: 7.272 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008831.D

Acq: 11 Apr 2019 02:18

Instrument :

MSVOA_X

ClientSampleId :

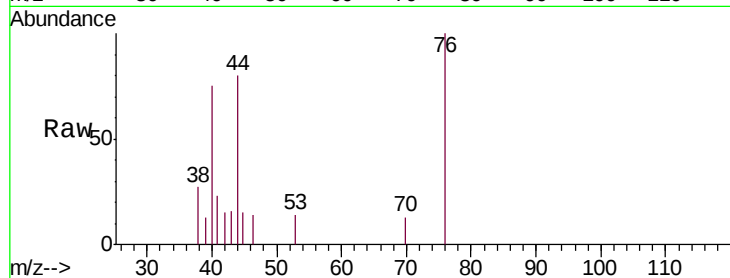
EO-01-040919-A

Tgt Ion: 76 Resp: 679

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

400

300

200

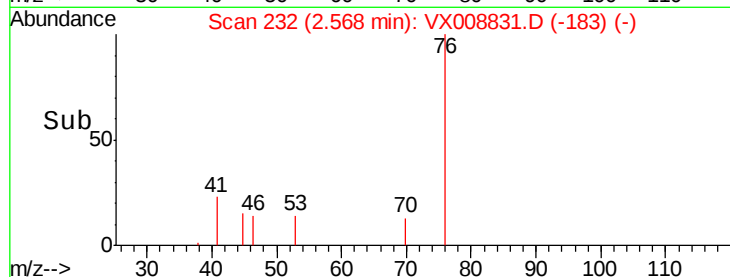
100

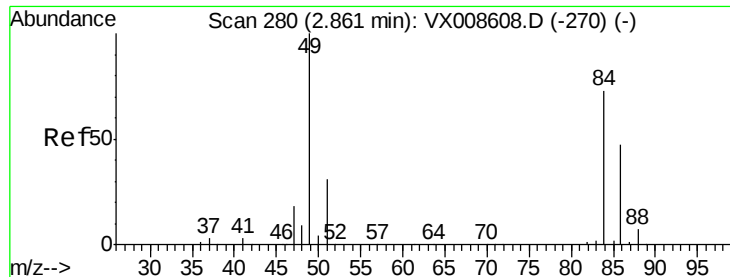
0

2.55

2.60

Time-->

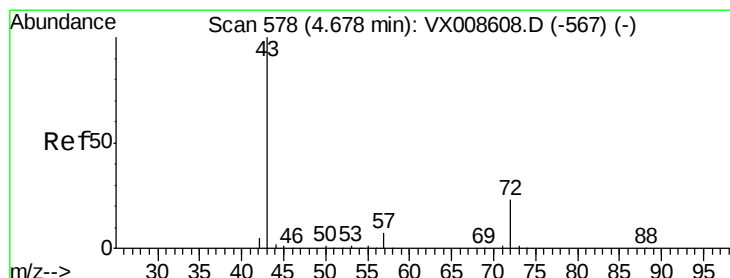
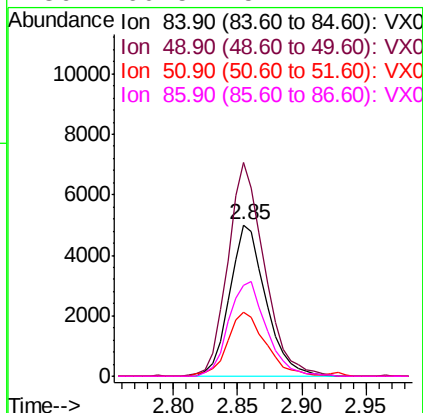
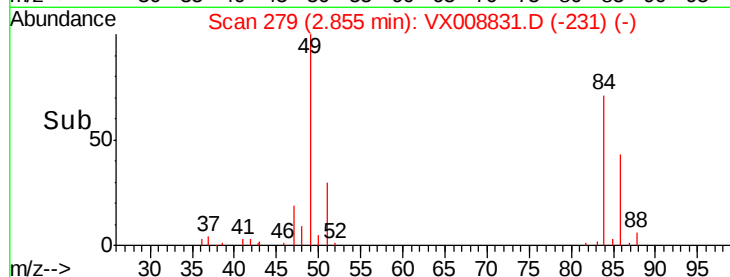
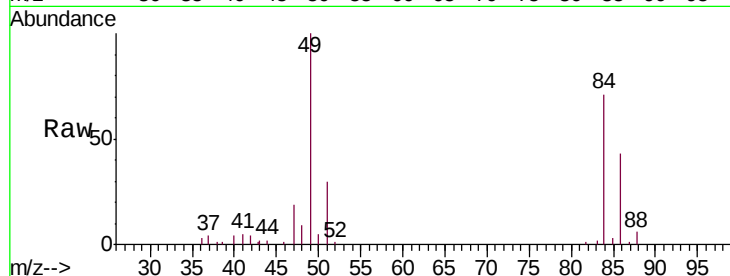




#20
Methylene Chloride
Concen: 3.621 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008831.D
Acq: 11 Apr 2019 02:18

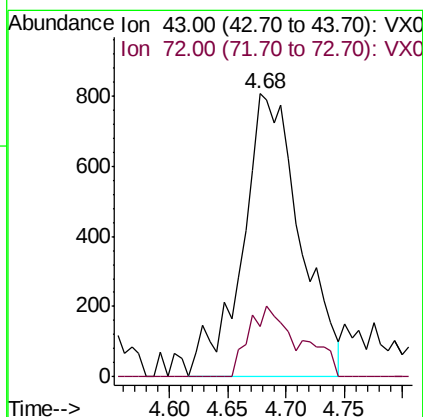
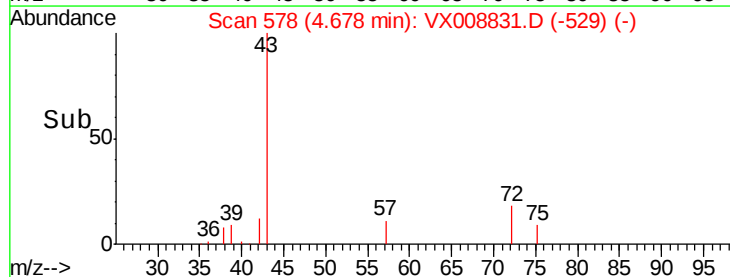
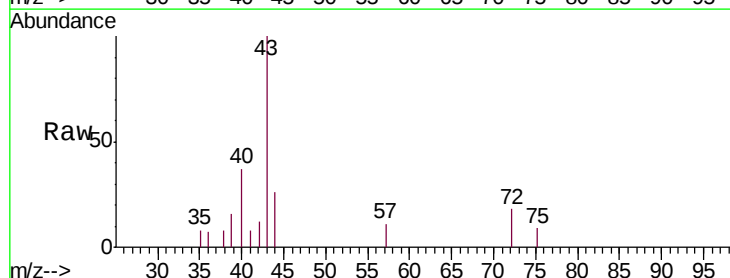
Instrument :
MSVOA_X
ClientSampleId :
EO-01-040919-A

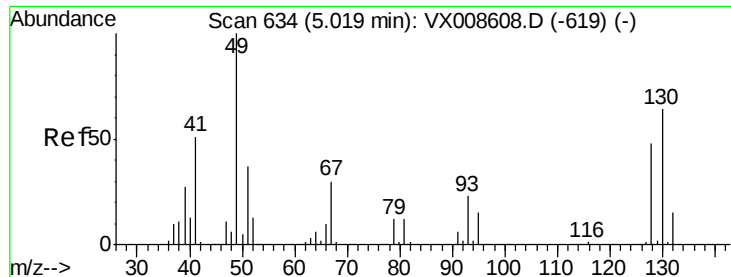
Tgt Ion: 84 Resp: 9812
Ion Ratio Lower Upper
84 100
49 141.4 109.7 164.5
51 42.2 33.6 50.4
86 60.5 51.4 77.2



#25
2-Butanone
Concen: 1.086 ug/l
RT: 4.68 min Scan# 578
Delta R.T. -0.00 min
Lab File: VX008831.D
Acq: 11 Apr 2019 02:18

Tgt Ion: 43 Resp: 2780
Ion Ratio Lower Upper
43 100
72 18.0 18.2 27.4#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

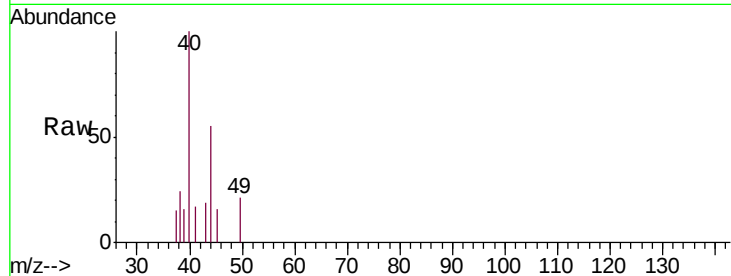
Lab File: VX008831.D

Acq: 11 Apr 2019 02:18

Instrument :
MSVOA_X
ClientSampleId :
EO-01-040919-A

Tgt Ion: 49 Resp: 26

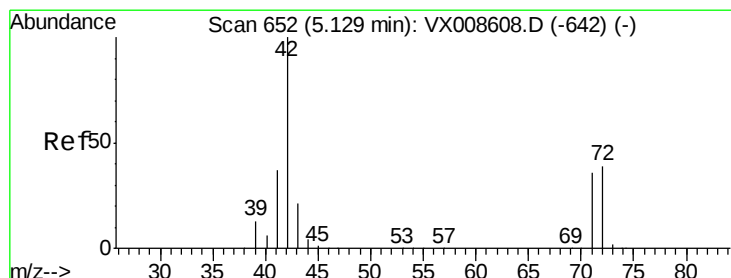
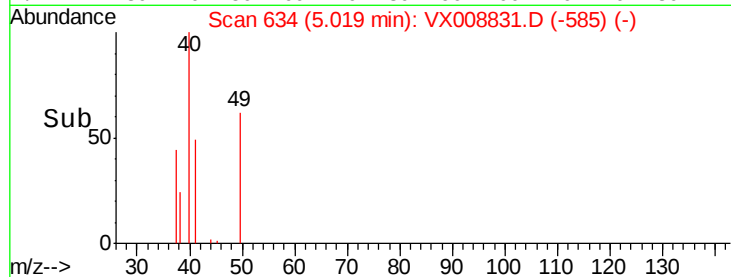
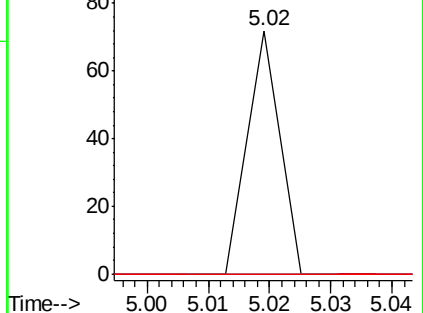
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	0.0	49.3	73.9#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

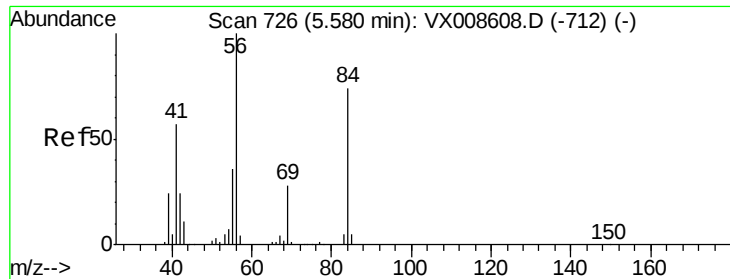


#29

Tetrahydrofuran

Concen: 1.142 ug/l

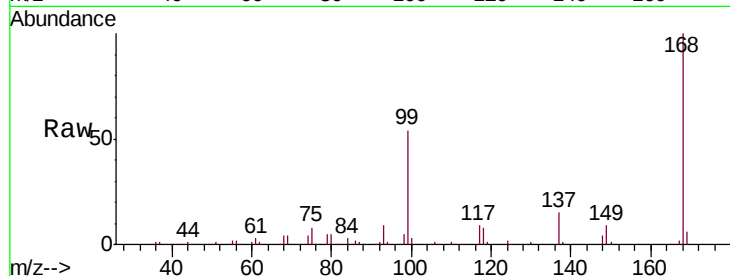
RT: 5.14 min Scan# 654



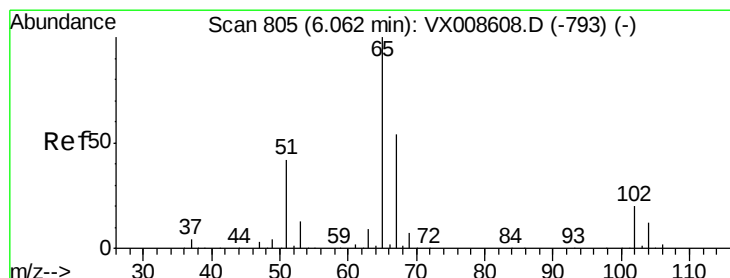
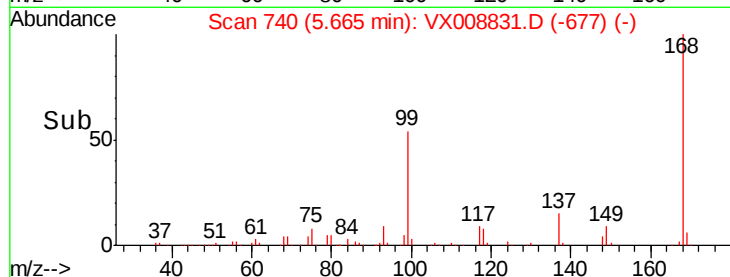
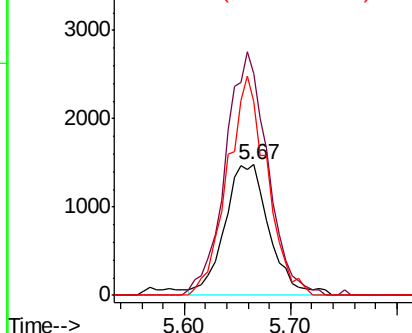
#31
Cyclohexane
Concen: 0.898 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX008831.D
Acq: 11 Apr 2019 02:18

Instrument :
MSVOA_X
ClientSampleId :
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Tgt Ion: 56 Resp: 4363
Ion Ratio Lower Upper
56 100
69 169.5 22.6 33.8#
84 148.4 59.3 88.9#

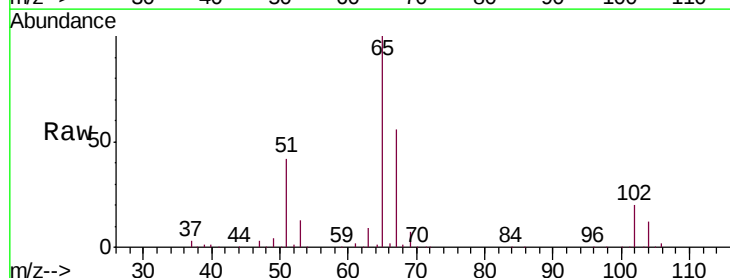


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

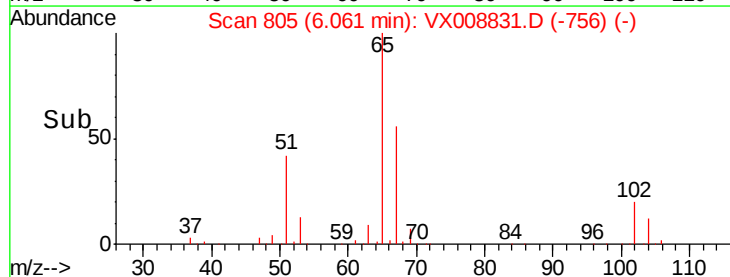
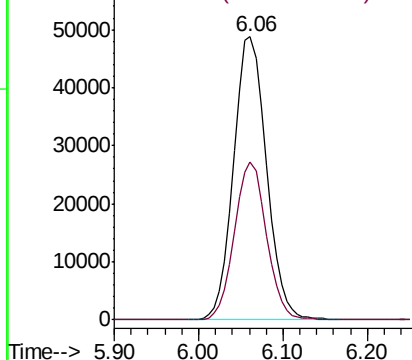


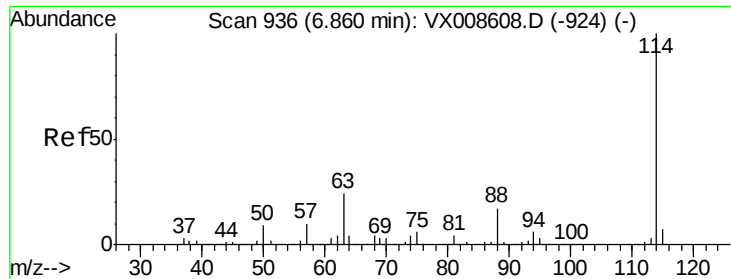
#33
1,2-Dichloroethane-d4
Concen: 45.907 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX008831.D
Acq: 11 Apr 2019 02:18

Tgt Ion: 65 Resp: 129035
Ion Ratio Lower Upper
65 100
67 54.3 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

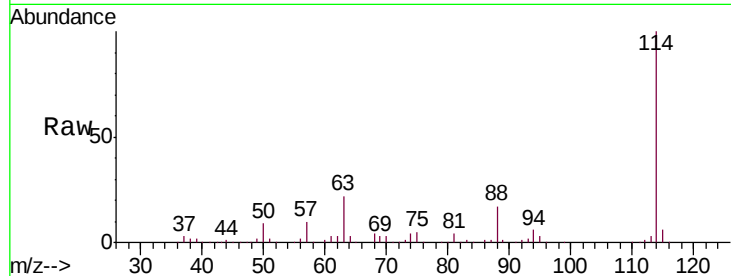




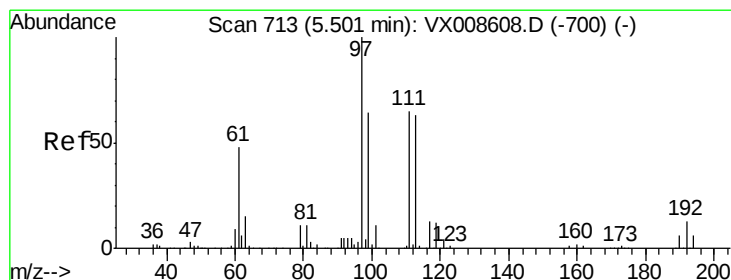
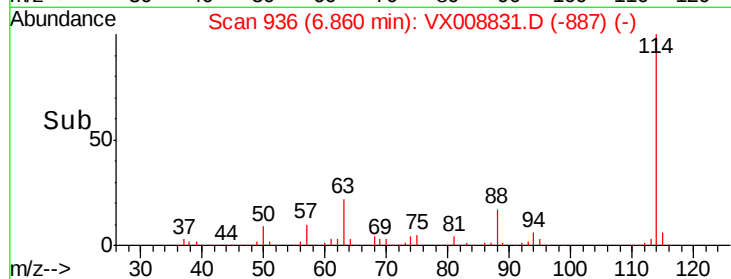
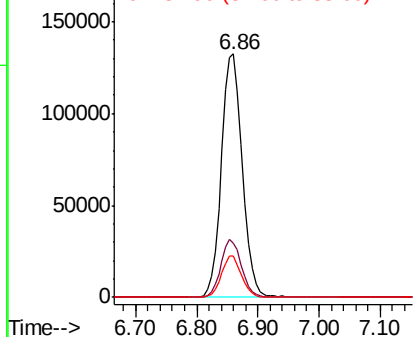
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008831.D
 Acq: 11 Apr 2019 02:18

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Tgt Ion:114 Resp: 313896
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 47.2
 88 17.1 0.0 34.0

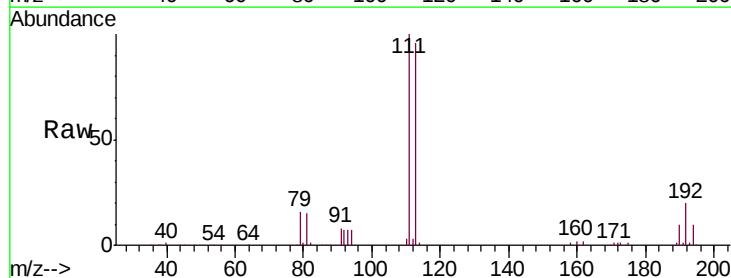


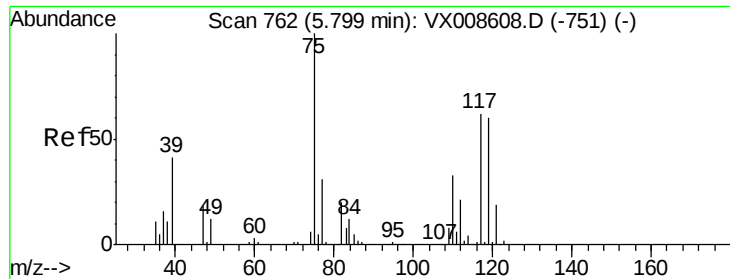
Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0



#35
 Dibromofluoromethane
 Concen: 46.909 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX008831.D
 Acq: 11 Apr 2019 02:18

Tgt Ion:113 Resp: 94143
 Ion Ratio Lower Upper
 113 100
 111 102.8 83.4 125.2
 192 20.9 16.1 24.1





#36

1,1-Dichloropropene

Concen: 4.498 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008831.D

Acq: 11 Apr 2019 02:18

Instrument :

MSVOA_X

ClientSampleId :

EO-01-040919-A

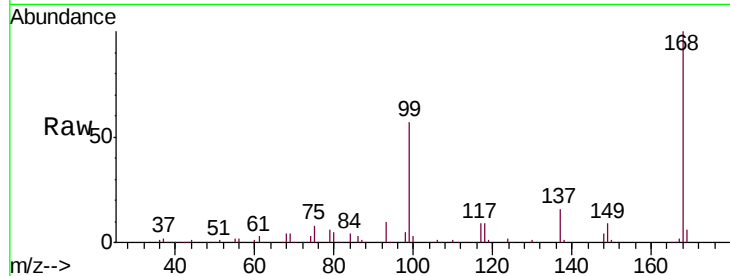
Tgt Ion: 75 Resp: 15432

Ion Ratio Lower Upper

75 100

110 8.3 16.4 49.2#

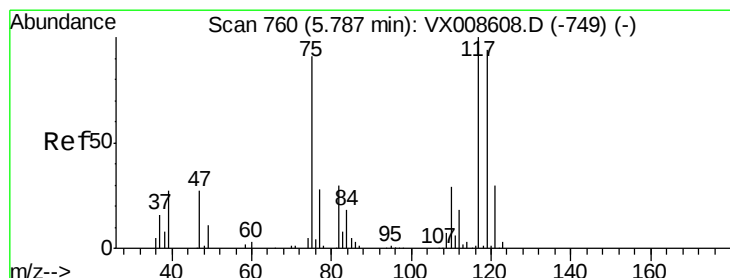
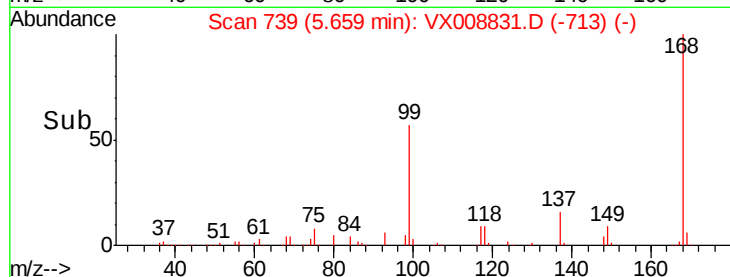
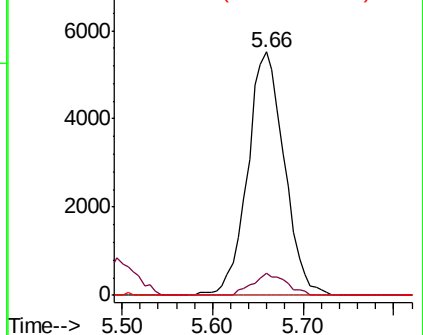
77 0.0 24.7 37.1#

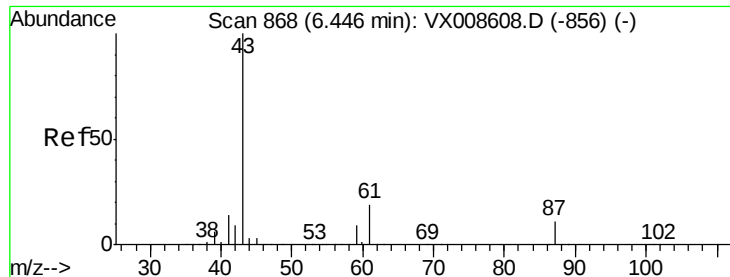


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#43

Isopropyl Acetate

Concen: 1.385 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX008831.D

Acq: 11 Apr 2019 02:18

Instrument :

MSVOA_X

ClientSampleId :

EO-01-040919-A

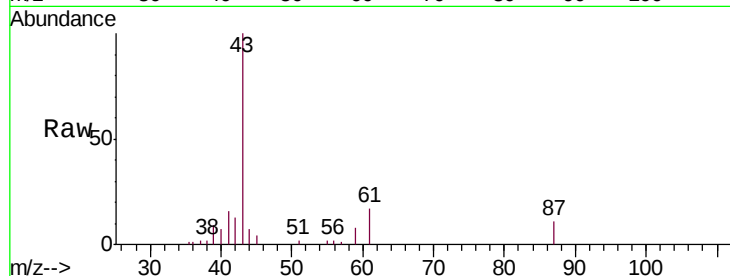
Tgt Ion: 43 Resp: 9940

Ion Ratio Lower Upper

43 100

61 20.6 15.3 22.9

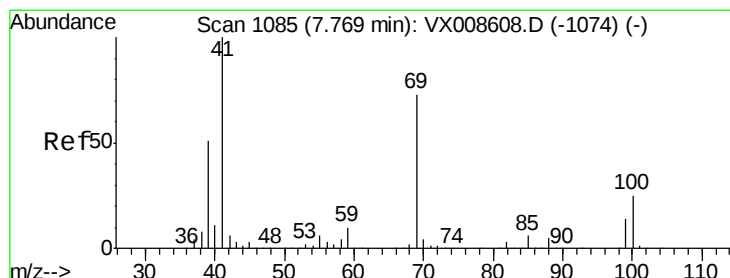
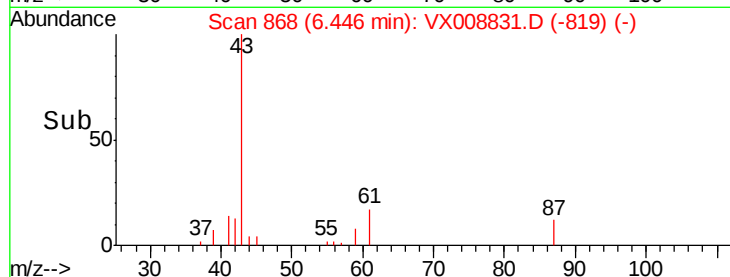
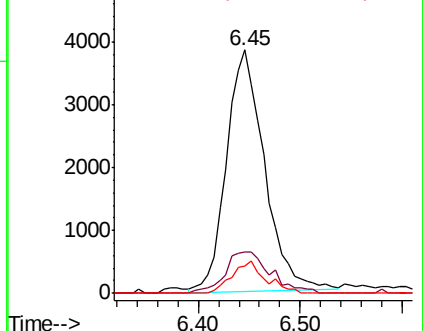
87 11.7 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

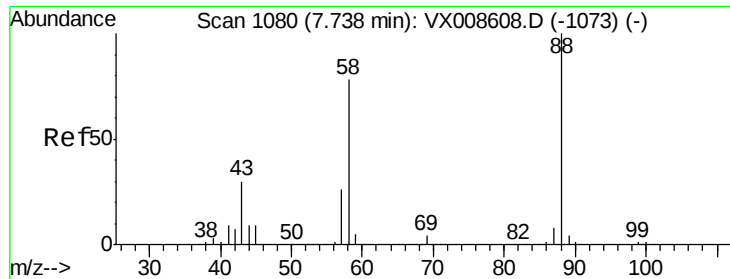
Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#48

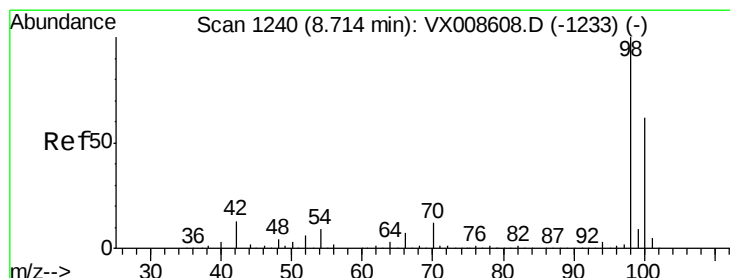
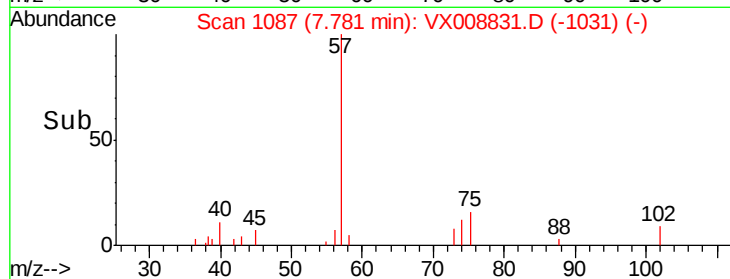
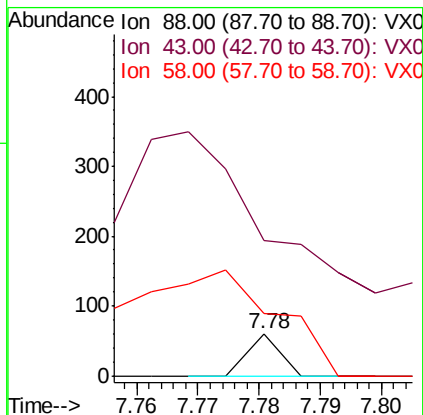
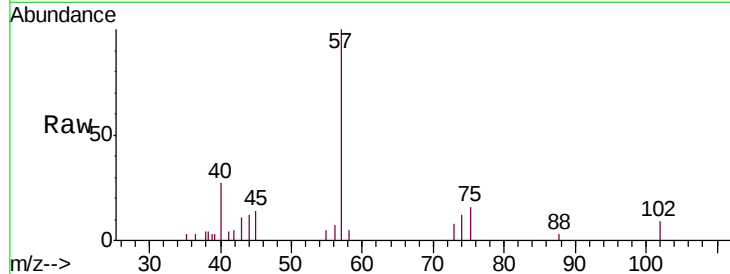
Methyl methacrylate



#49
1,4-Dioxane
Concen: 0.324 ug/l
RT: 7.78 min Scan# 1087
Delta R.T. 0.04 min
Lab File: VX008831.D
Acq: 11 Apr 2019 02:18

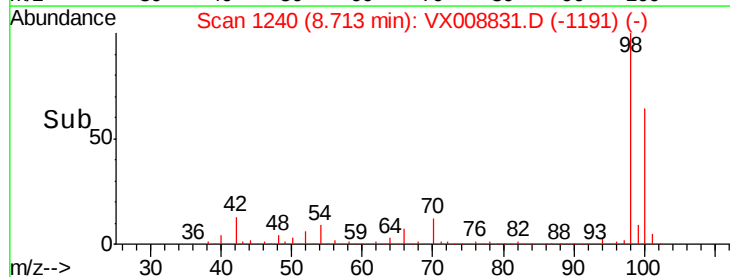
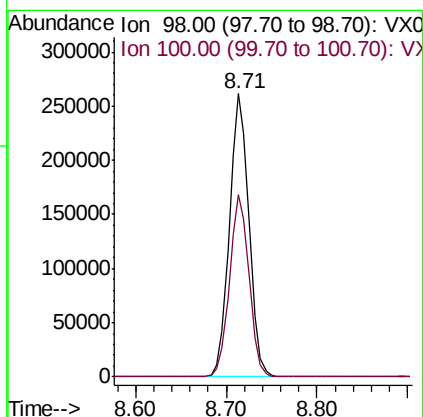
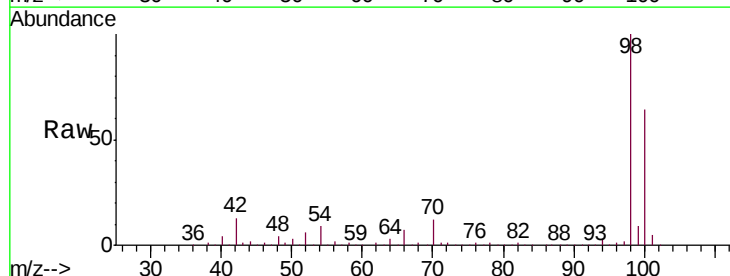
Instrument :
MSVOA_X
ClientSampleId :
EO-01-040919-A

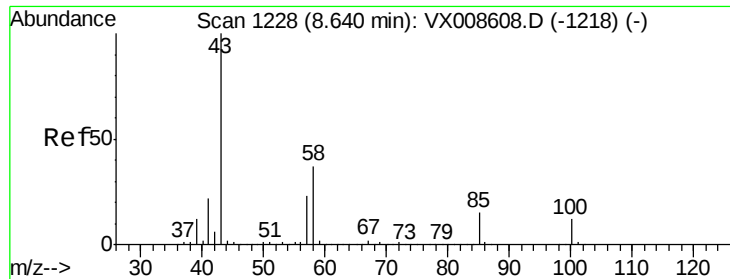
Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 28.6 43.0#
58 959.1 62.2 93.2#



#50
Toluene-d8
Concen: 49.486 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008831.D
Acq: 11 Apr 2019 02:18

Tgt Ion: 98 Resp: 395446
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 15.850 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. -0.03 min

Lab File: VX008831.D

Acq: 11 Apr 2019 02:18

Instrument :

MSVOA_X

ClientSampleId :

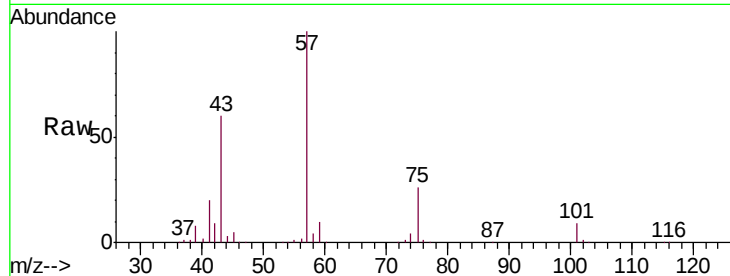
EO-01-040919-A

Tgt Ion: 43 Resp: 73205

Ion Ratio Lower Upper

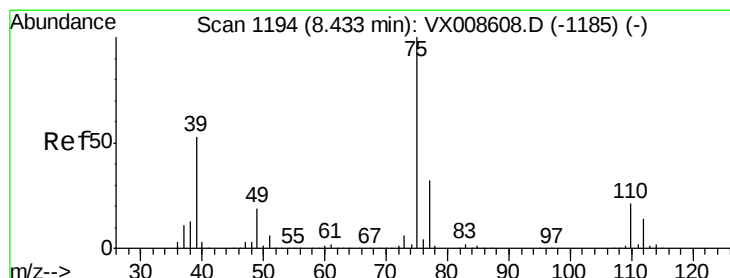
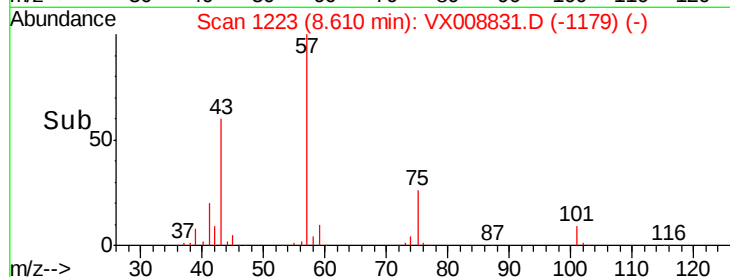
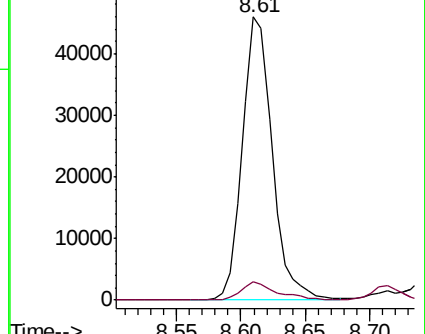
43 100

58 7.8 29.5 44.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

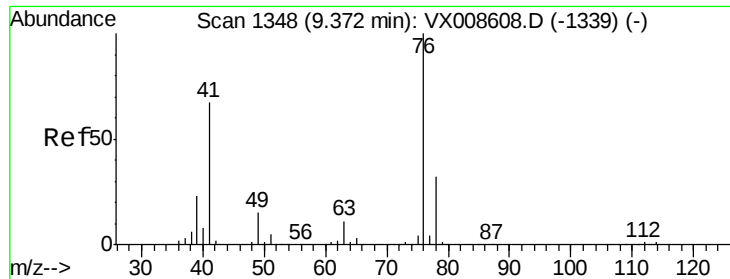


#54

cis-1,3-Dichloropropene

Concen: 7.657 ug/l

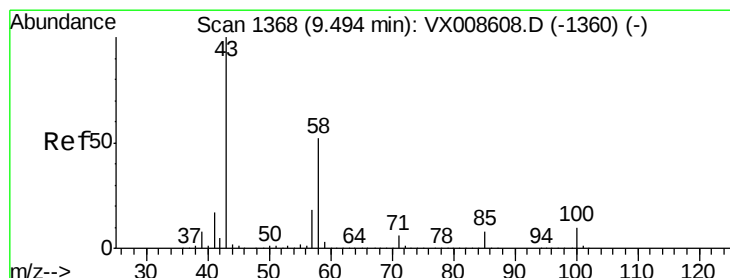
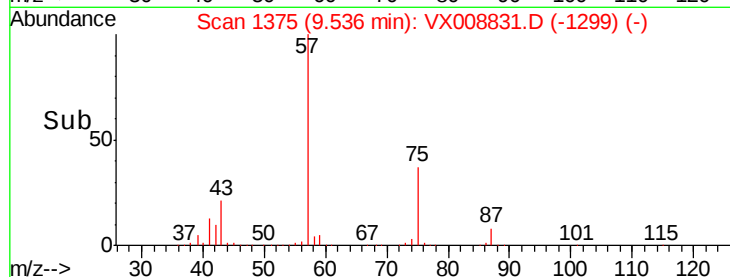
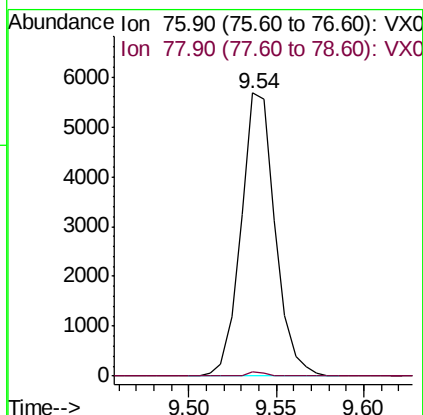
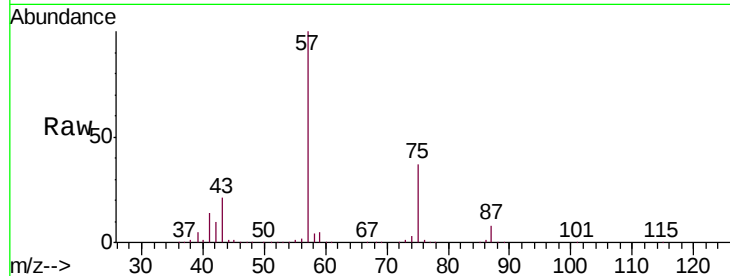
RT: 8.62 min Scan# 1224



#57
 1,3-Dichloropropane
 Concen: 1.766 ug/l
 RT: 9.54 min Scan# 1375
 Delta R.T. 0.16 min
 Lab File: VX008831.D
 Acq: 11 Apr 2019 02:18

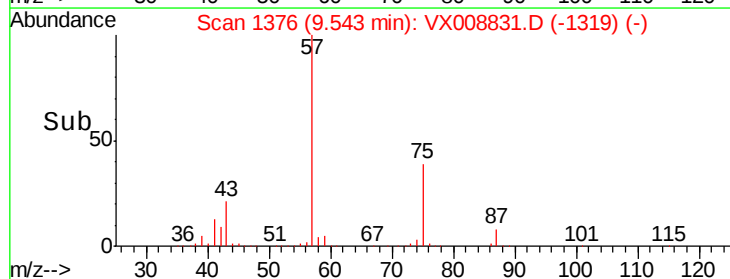
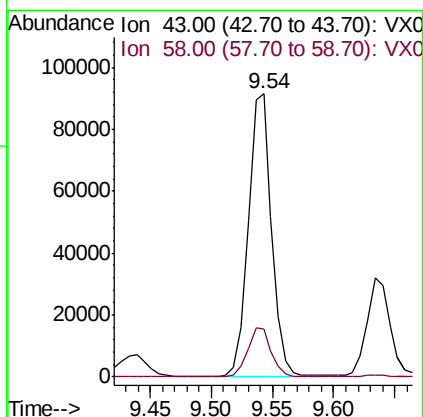
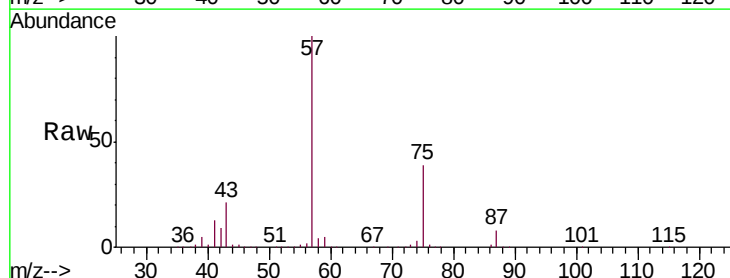
Instrument :
 MSVOA_X
 ClientSampleId :
 EO-01-040919-A

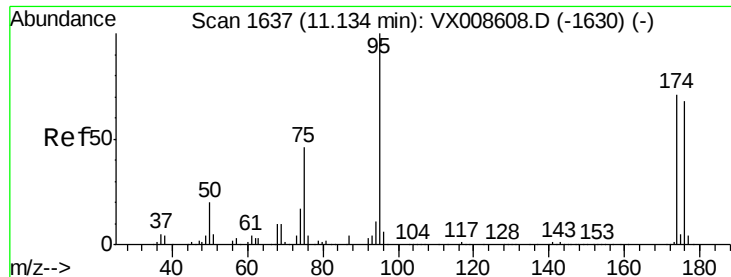
Tgt Ion: 76 Resp: 7671
 Ion Ratio Lower Upper
 76 100
 78 0.7 25.6 38.4#



#59
 2-Hexanone
 Concen: 33.631 ug/l
 RT: 9.54 min Scan# 1376
 Delta R.T. 0.05 min
 Lab File: VX008831.D
 Acq: 11 Apr 2019 02:18

Tgt Ion: 43 Resp: 120709
 Ion Ratio Lower Upper
 43 100
 58 18.0 25.9 77.7#

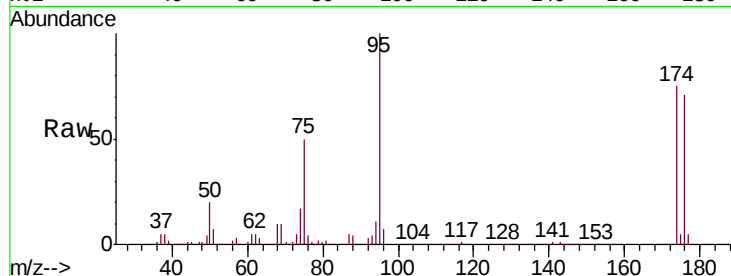




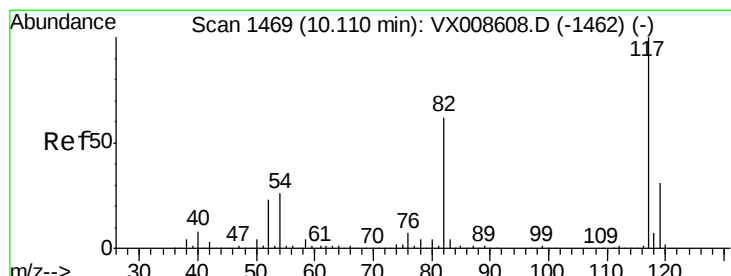
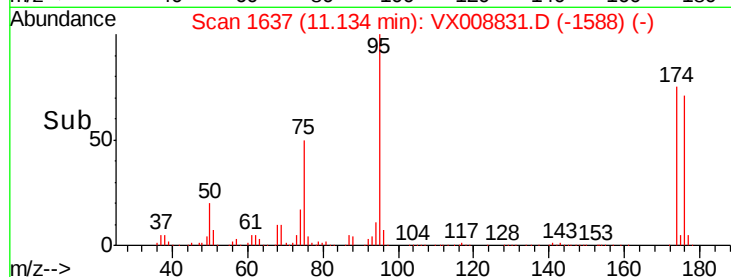
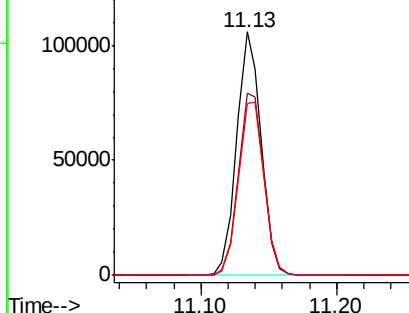
#62
 4-Bromofluorobenzene
 Concen: 46.664 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX008831.D
 Acq: 11 Apr 2019 02:18

Instrument :
 MSVOA_X
 ClientSampleId :
 EO-01-040919-A

Tgt Ion: 95 Resp: 132234
 Ion Ratio Lower Upper
 95 100
 174 78.1 0.0 151.8
 176 75.0 0.0 145.8

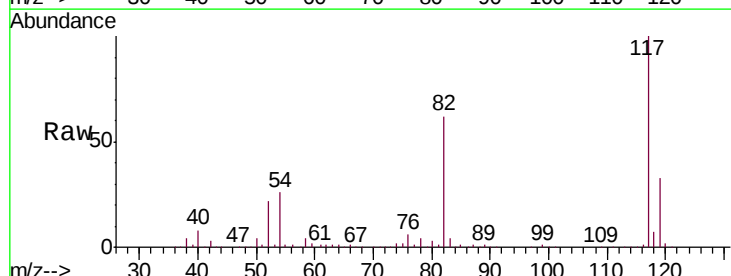


Abundance Ion 94.90 (94.60 to 95.60): VX0
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V

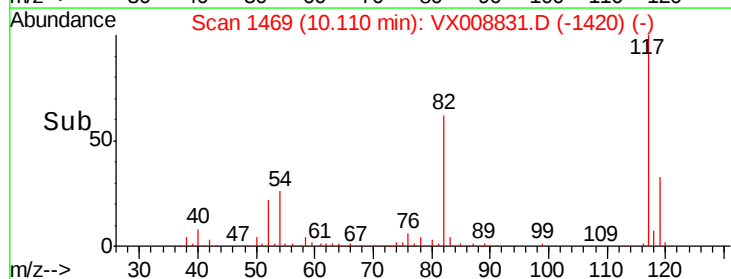
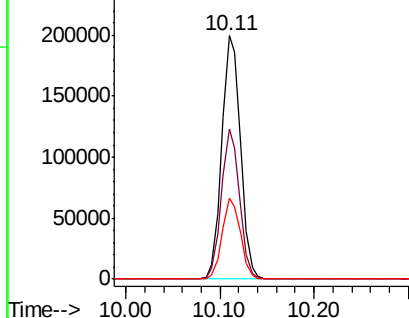


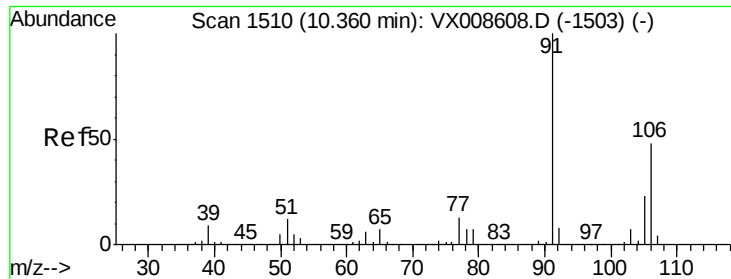
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VX008831.D
 Acq: 11 Apr 2019 02:18

Tgt Ion: 117 Resp: 273676
 Ion Ratio Lower Upper
 117 100
 82 61.9 49.6 74.4
 119 33.1 25.0 37.4



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

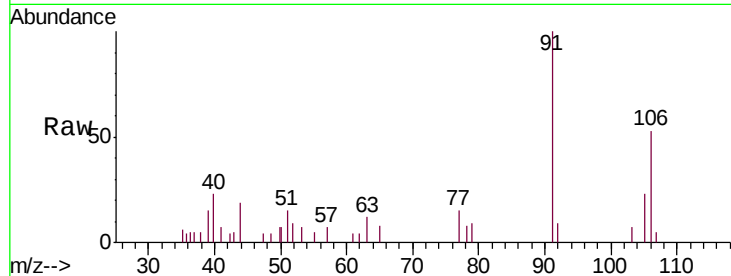




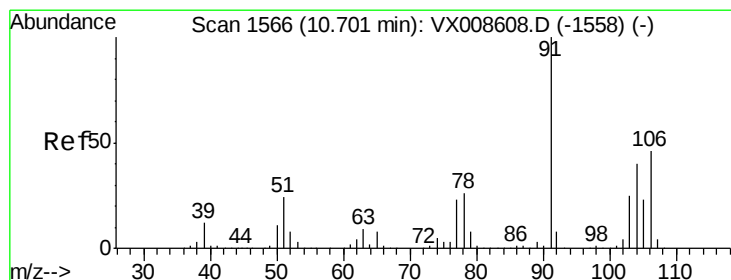
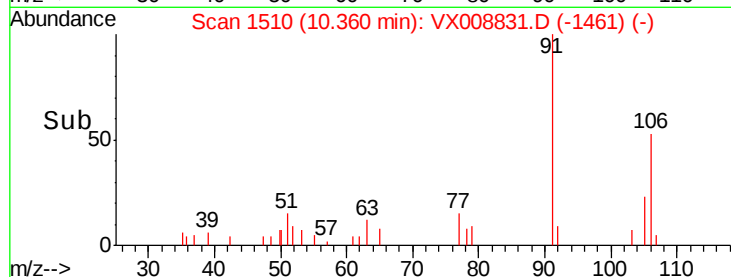
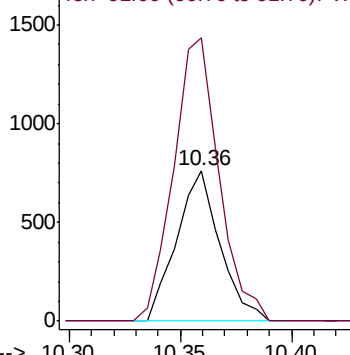
#68
m/p-Xylenes
Concen: 0.254 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008831.D
Acq: 11 Apr 2019 02:18

Instrument :
MSVOA_X
ClientSampleId :
EO-01-040919-A

Tgt Ion:106 Resp: 1035
Ion Ratio Lower Upper
106 100
91 197.2 168.5 252.7

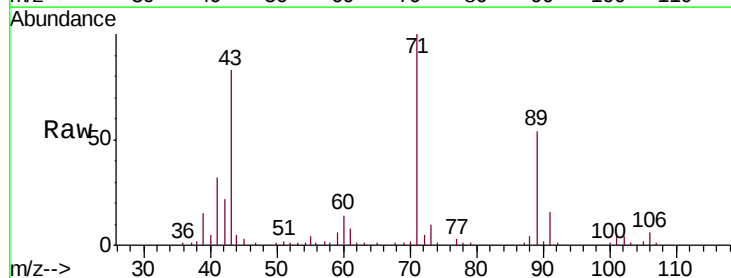


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

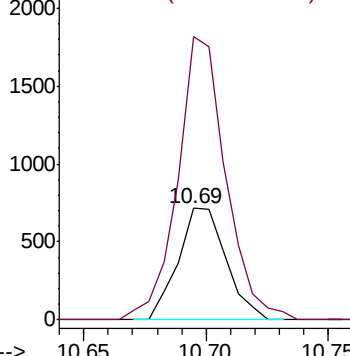


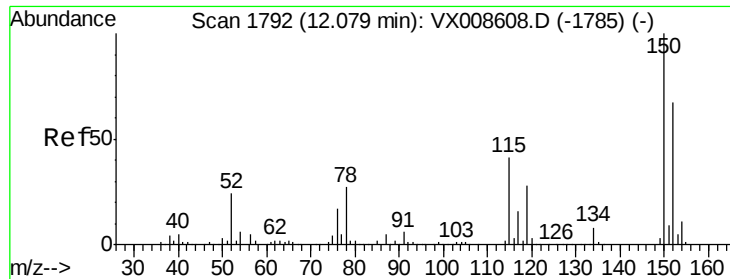
#69
o-Xylene
Concen: 0.249 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008831.D
Acq: 11 Apr 2019 02:18

Tgt Ion:106 Resp: 980
Ion Ratio Lower Upper
106 100
91 254.5 111.5 334.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008831.D

Acq: 11 Apr 2019 02:18

Instrument :

MSVOA_X

ClientSampleId :

EO-01-040919-A

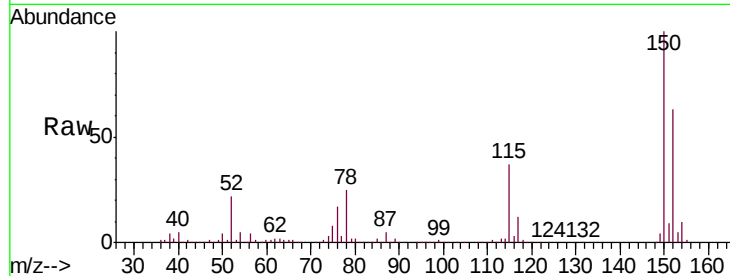
Tgt Ion: 152 Resp: 115135

Ion Ratio Lower Upper

152 100

115 59.5 43.5 130.5

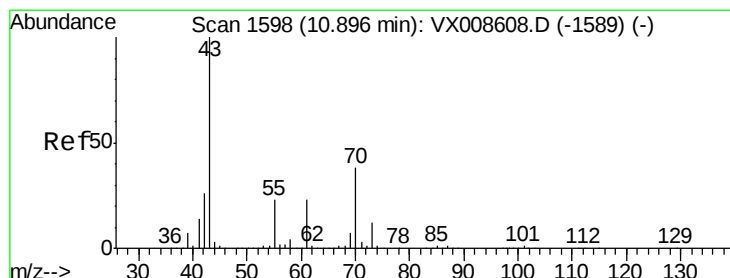
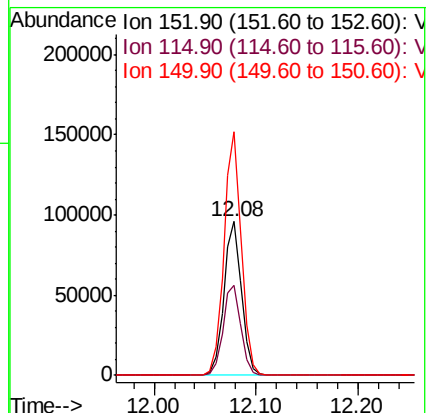
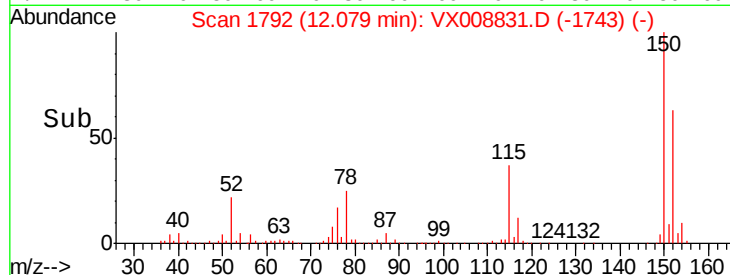
150 155.5 0.0 348.8

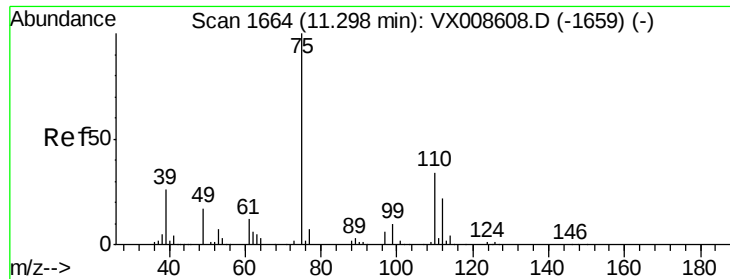


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.090 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008831.D

Acq: 11 Apr 2019 02:18

Instrument :

MSVOA_X

ClientSampleId :

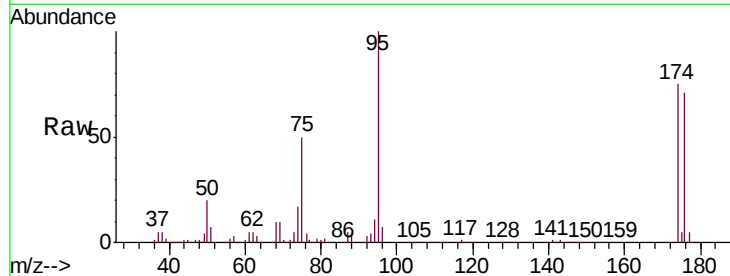
EO-01-040919-A

Tgt Ion: 75 Resp: 66706

Ion Ratio Lower Upper

75 100

77 1.4 22.3 66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX008608.D (-1659) (-)

Ion 77.00 (76.70 to 77.70): VX008608.D (-1659) (-)

11.13

60000

50000

40000

30000

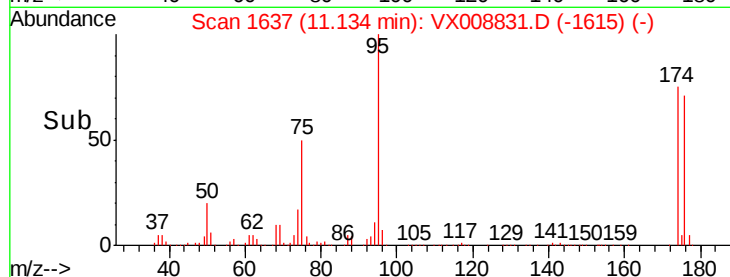
20000

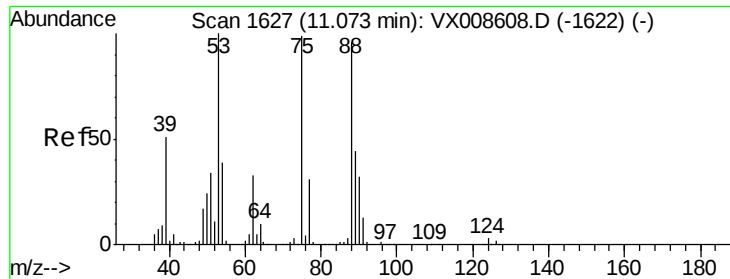
10000

0

Time-->

11.10 11.20

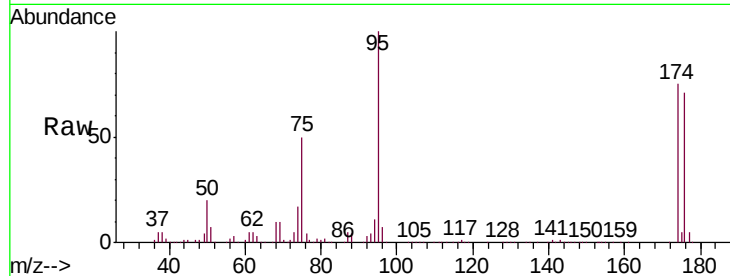




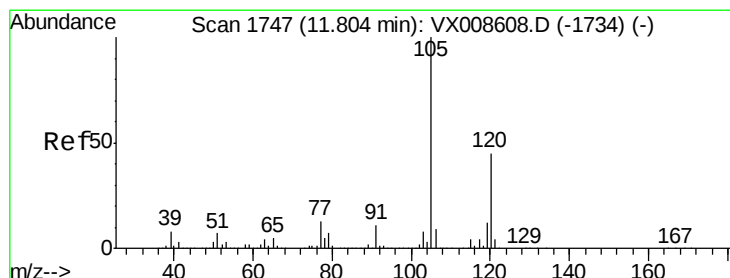
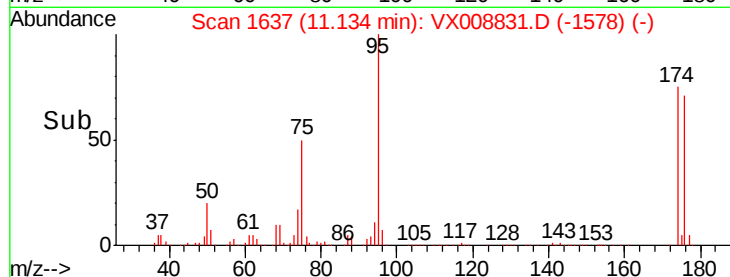
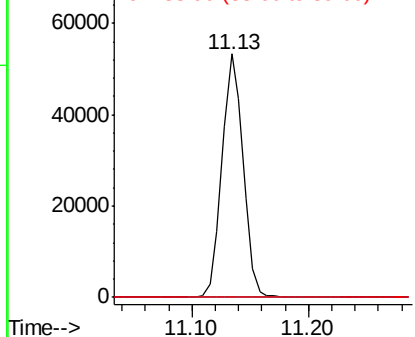
#81
trans-1,4-Dichloro-2-butene
Concen: 58.137 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX008831.D
Acq: 11 Apr 2019 02:18

Instrument :
MSVOA_X
ClientSampleId :
EO-01-040919-A

Tgt Ion: 75 Resp: 66706
Ion Ratio Lower Upper
75 100
53 0.0 81.3 121.9#
89 0.0 35.6 53.4#

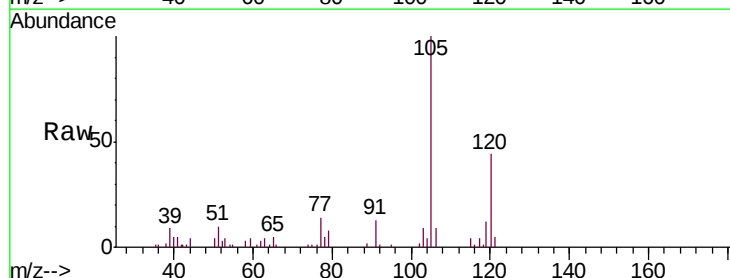


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

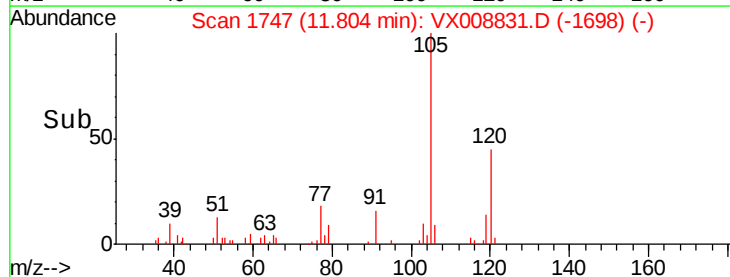
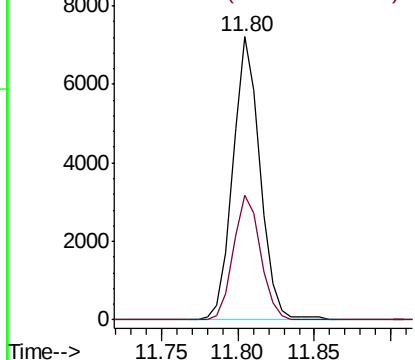


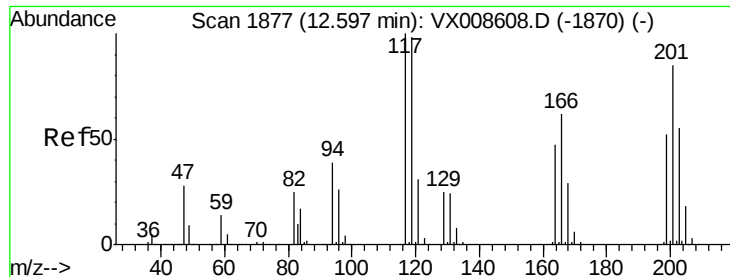
#84
1,2,4-Trimethylbenzene
Concen: 1.091 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008831.D
Acq: 11 Apr 2019 02:18

Tgt Ion: 105 Resp: 8850
Ion Ratio Lower Upper
105 100
120 43.8 21.8 65.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#90

Hexachloroethane

Concen: 0.299 ug/l

RT: 12.61 min Scan# 1879

Delta R.T. 0.01 min

Lab File: VX008831.D

Acq: 11 Apr 2019 02:18

Instrument :

MSVOA_X

ClientSampleId :

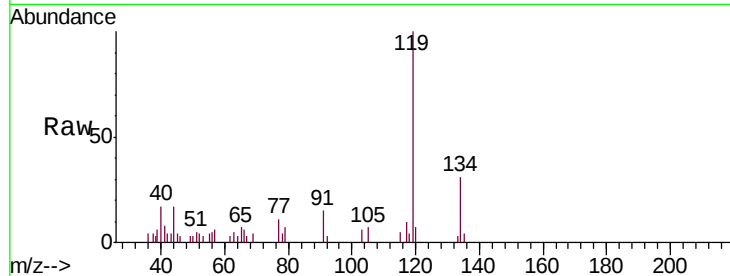
EO-01-040919-A

Tgt Ion:117 Resp: 408

Ion Ratio Lower Upper

117 100

201 0.0 40.6 122.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

