

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091019\
 Data File : VX012286.D
 Acq On : 11 Sep 2019 06:24
 Operator : SY/SP
 Sample : K4680-17
 Misc : 4.31g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-3-(1.5)

Quant Time: Sep 11 07:37:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	157311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	275140	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	231059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	90024	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	107880	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
35) Dibromofluoromethane	5.48	113	82597	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	
50) Toluene-d8	8.71	98	320228	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	
62) 4-Bromofluorobenzene	11.14	95	116304	40.55	ug/l	0.00
Spiked Amount			Recovery	=	81.10%	

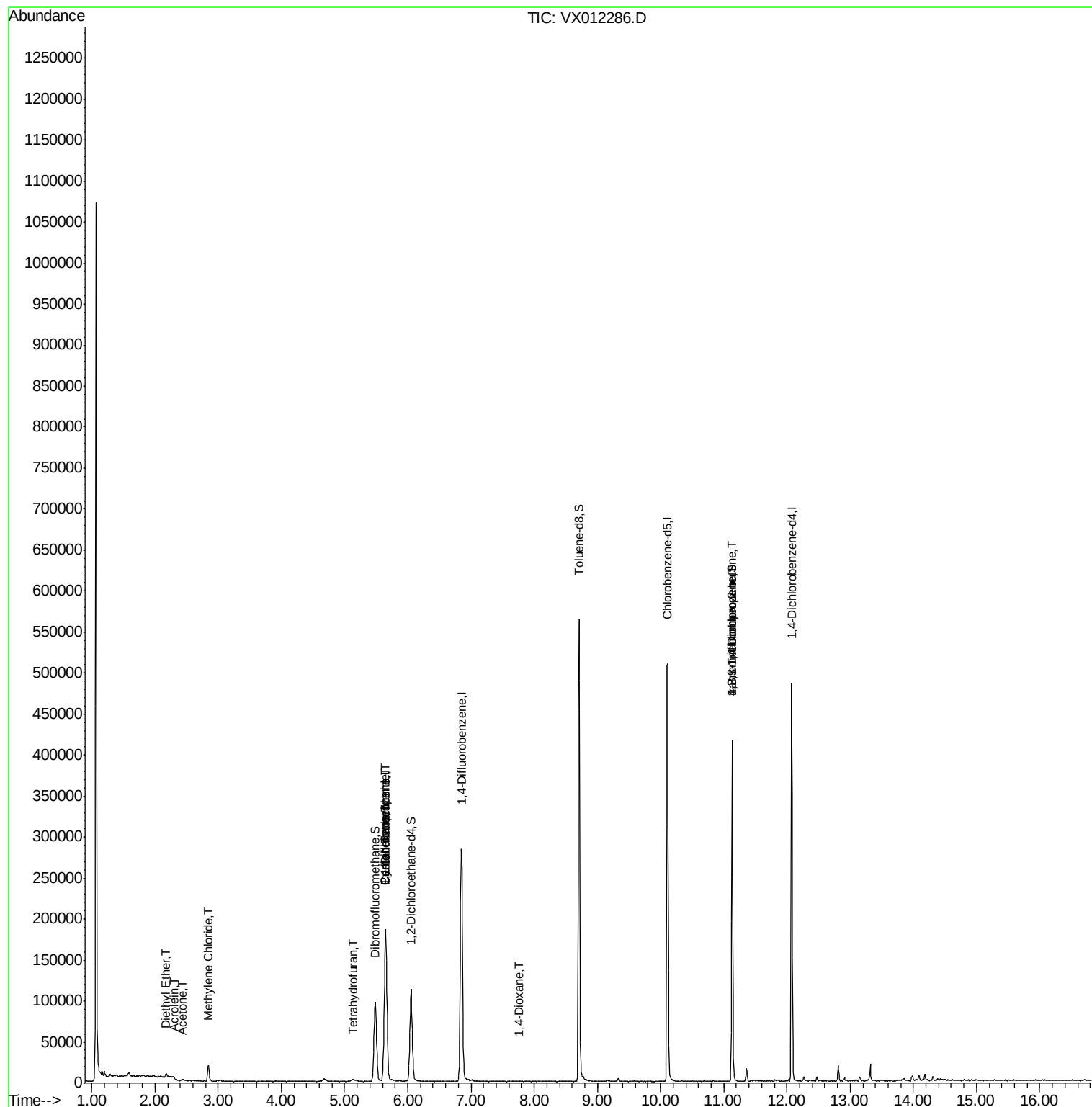
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	386	Below Cal		100
8) Diethyl Ether	2.17	74	1242	1.750	ug/l	99
11) Tert butyl alcohol	3.03	59	1580	Below Cal	#	84
13) Acrolein	2.29	56	274	2.357	ug/l #	67
16) Acetone	2.43	43	1377	2.615	ug/l #	73
20) Methylene Chloride	2.84	84	9110	3.073	ug/l	95
29) Tetrahydrofuran	5.13	42	3552	9.781	ug/l #	83
31) Cyclohexane	5.65	56	4124	1.997	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	14307	7.131	ug/l #	53
38) Carbon Tetrachloride	5.65	117	18984	8.065	ug/l #	14
49) 1,4-Dioxane	7.75	88	25	1.480	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	60612	52.410	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	60612	157.033	ug/l #	5

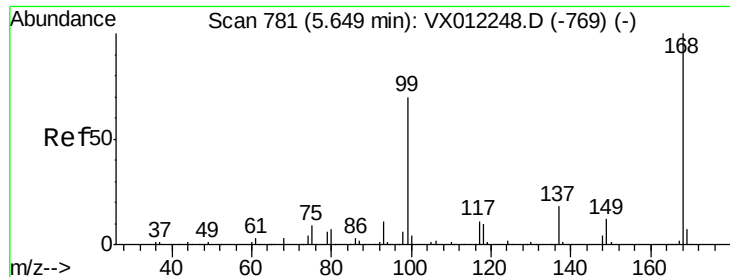
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012286.D

Acq: 11 Sep 2019 06:24

Instrument :

MSVOA_X

ClientSampleId :

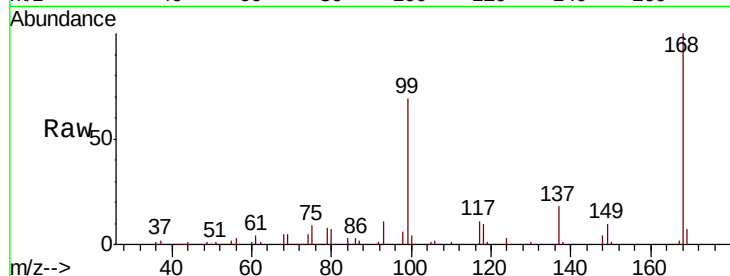
T3-3-(1.5)

Tgt Ion:168 Resp: 157311

Ion Ratio Lower Upper

168 100

99 69.2 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

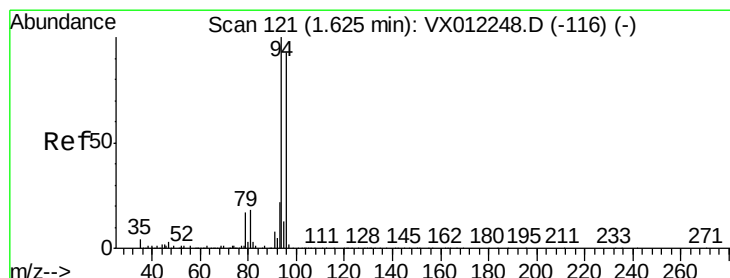
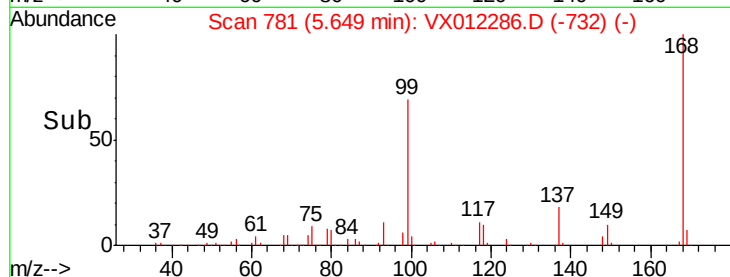
30000

20000

10000

0

Time--> 5.50 5.60 5.70



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012286.D

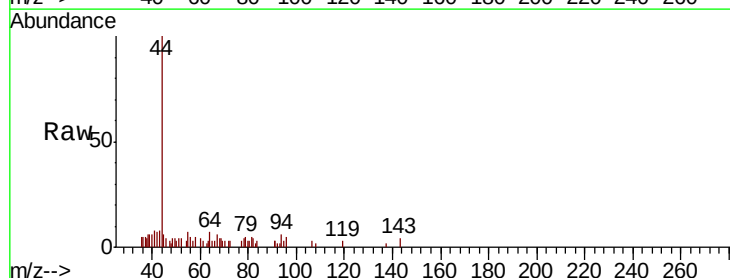
Acq: 11 Sep 2019 06:24

Tgt Ion: 94 Resp: 386

Ion Ratio Lower Upper

94 100

96 92.1 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

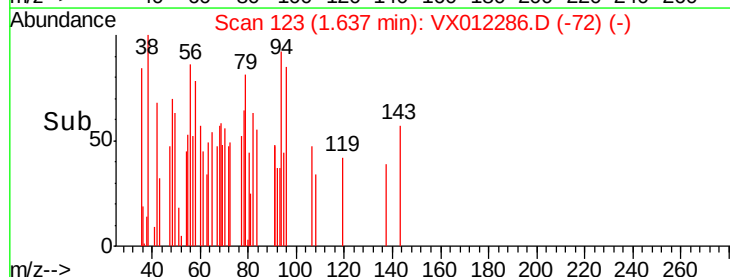
150

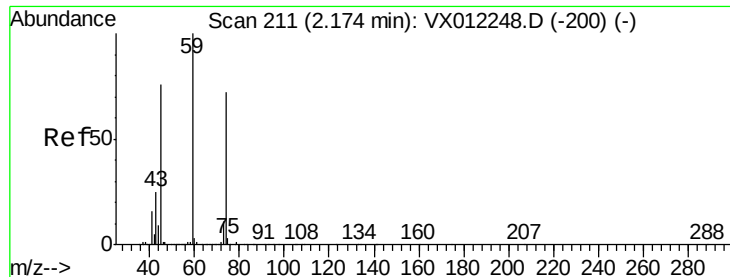
100

50

0

Time--> 1.60 1.65 1.70





#8

Diethyl Ether

Concen: 1.750 ug/l

RT: 2.17 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX012286.D

Acq: 11 Sep 2019 06:24

Instrument :

MSVOA_X

ClientSampled :

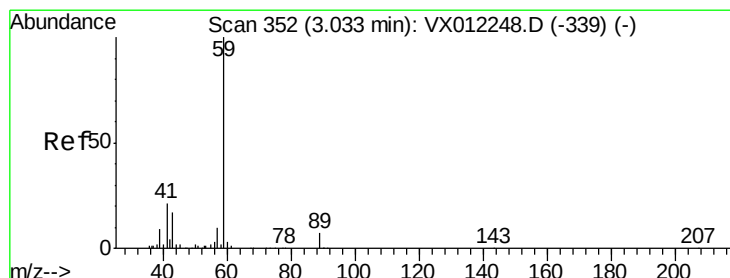
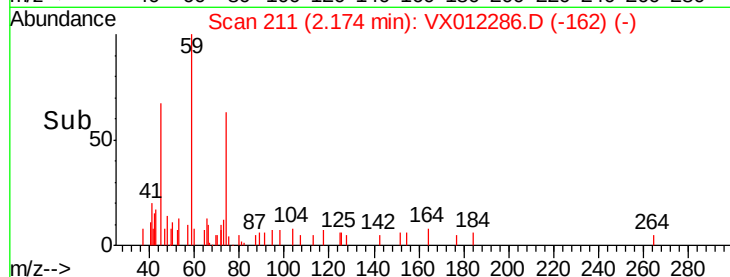
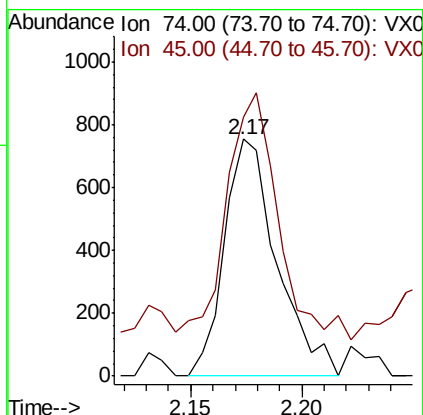
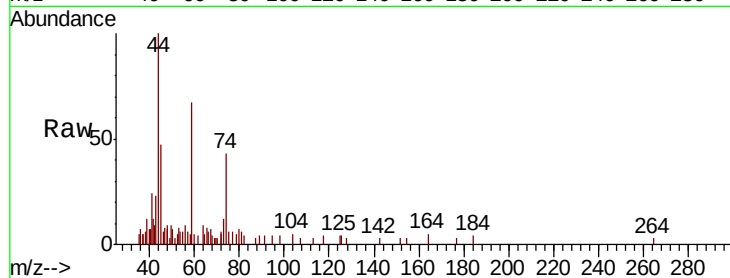
T3-3-(1.5)

Tgt Ion: 74 Resp: 1242

Ion Ratio Lower Upper

74 100

45 102.0 51.3 153.9



#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.03 min Scan# 352

Delta R.T. 0.00 min

Lab File: VX012286.D

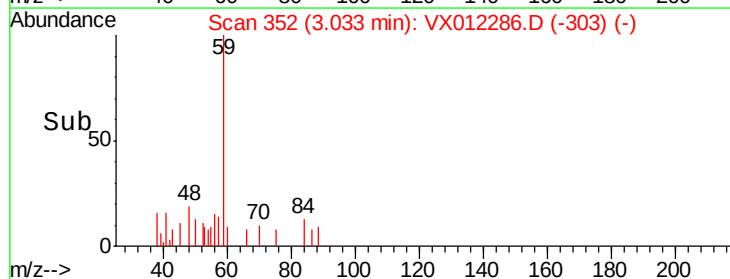
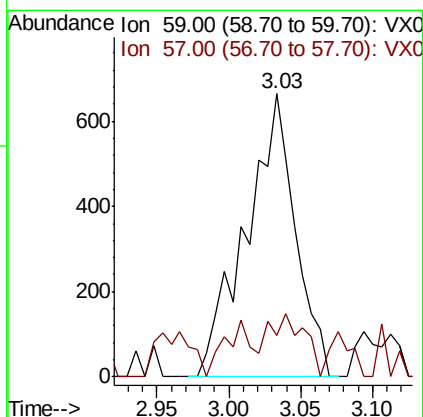
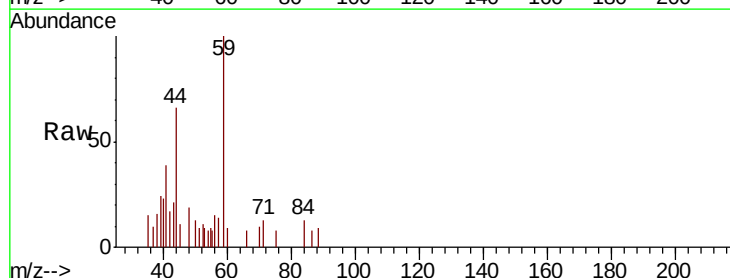
Acq: 11 Sep 2019 06:24

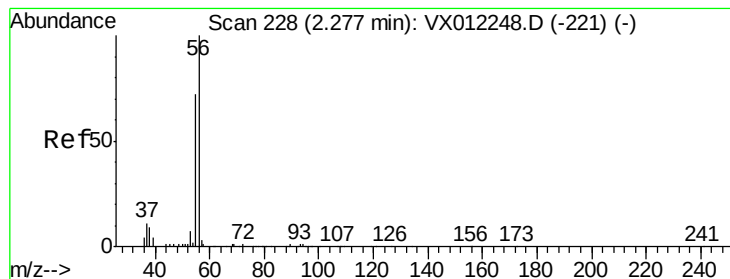
Tgt Ion: 59 Resp: 1580

Ion Ratio Lower Upper

59 100

57 15.7 7.8 11.6#





#13

Acrolein

Concen: 2.357 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX012286.D

Acq: 11 Sep 2019 06:24

Instrument :

MSVOA_X

ClientSampleId :

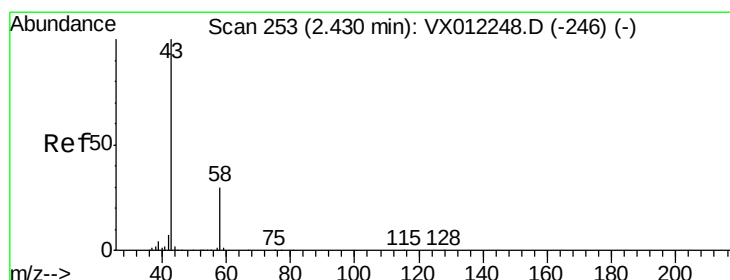
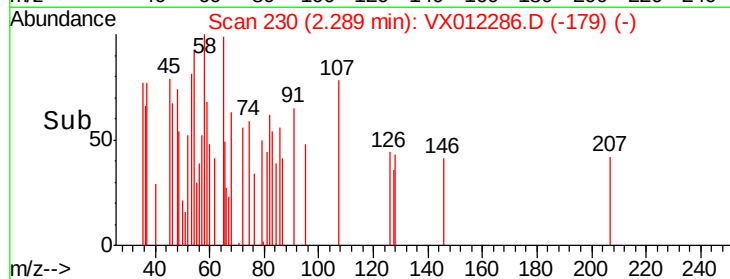
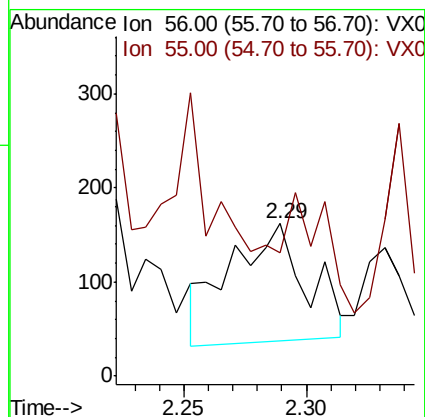
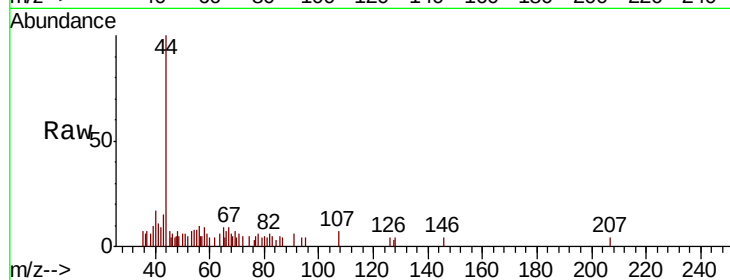
T3-3-(1.5)

Tgt Ion: 56 Resp: 274

Ion Ratio Lower Upper

56 100

55 46.4 59.8 89.6#



#16

Acetone

Concen: 2.615 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX012286.D

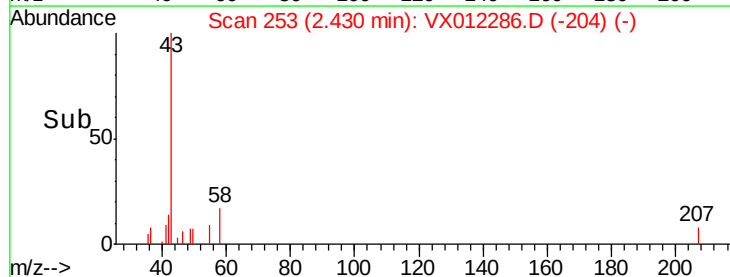
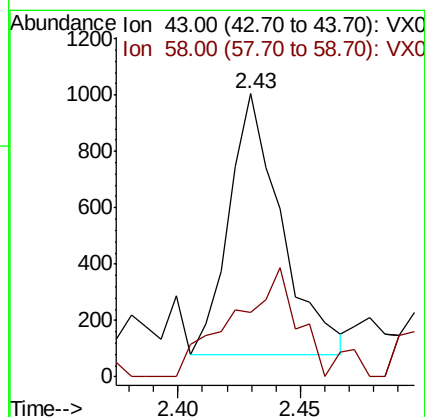
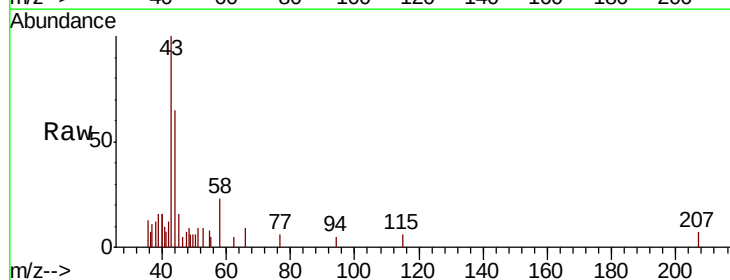
Acq: 11 Sep 2019 06:24

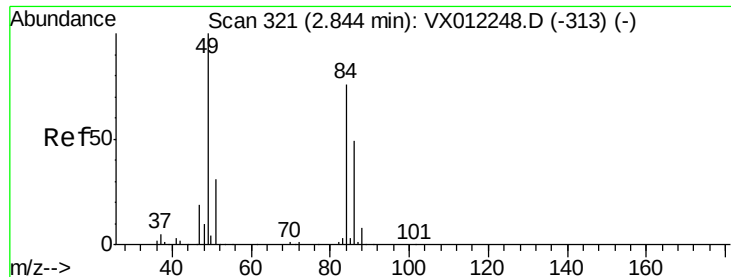
Tgt Ion: 43 Resp: 1377

Ion Ratio Lower Upper

43 100

58 15.1 23.6 35.4#

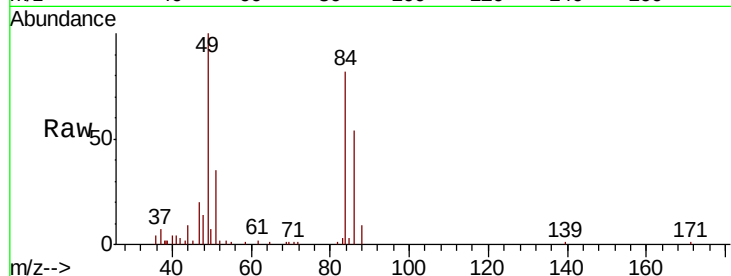




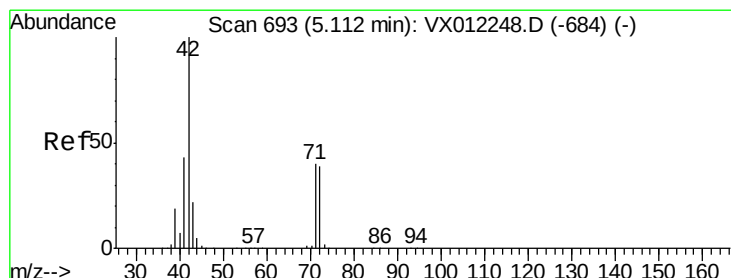
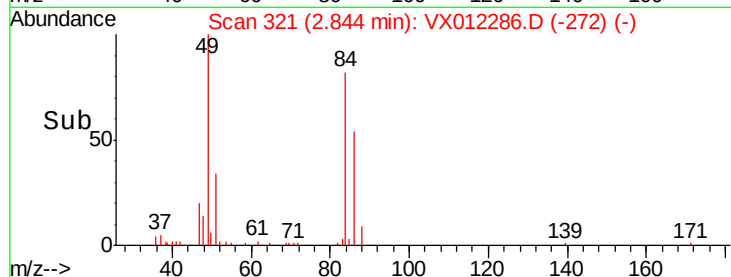
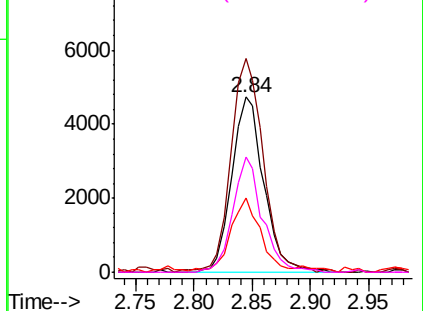
#20
Methylene Chloride
Concen: 3.073 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012286.D
Acq: 11 Sep 2019 06:24

Instrument :
MSVOA_X
ClientSampled :
T3-3-(1.5)

Tgt Ion: 84 Resp: 9110
Ion Ratio Lower Upper
84 100
49 122.1 105.0 157.6
51 42.7 32.6 48.8
86 65.5 51.8 77.6

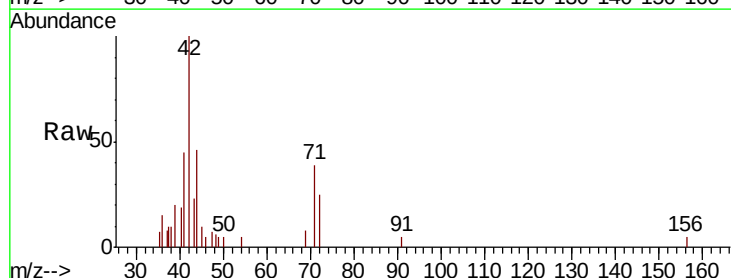


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

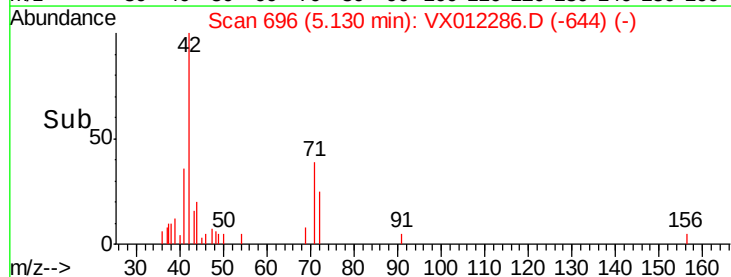
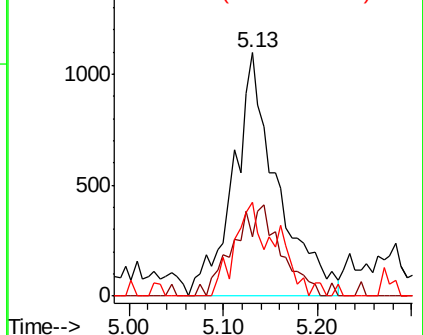


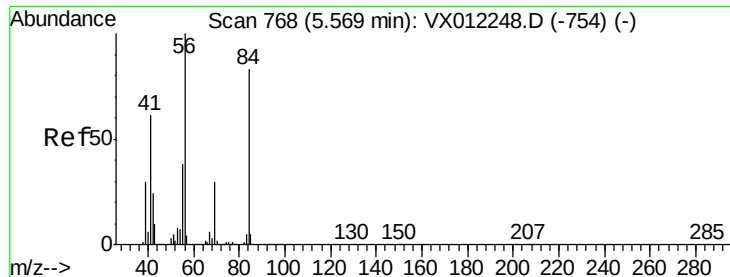
#29
Tetrahydrofuran
Concen: 9.781 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX012286.D
Acq: 11 Sep 2019 06:24

Tgt Ion: 42 Resp: 3552
Ion Ratio Lower Upper
42 100
72 40.4 35.2 52.8
71 22.6 32.5 48.7#



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

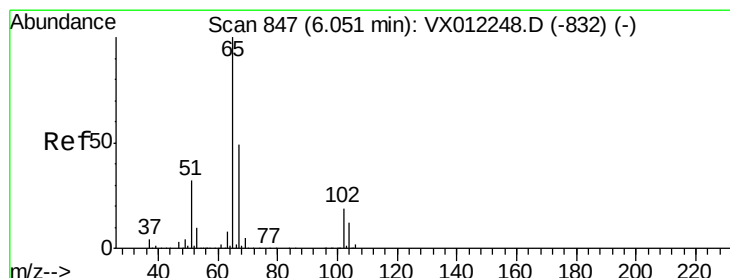
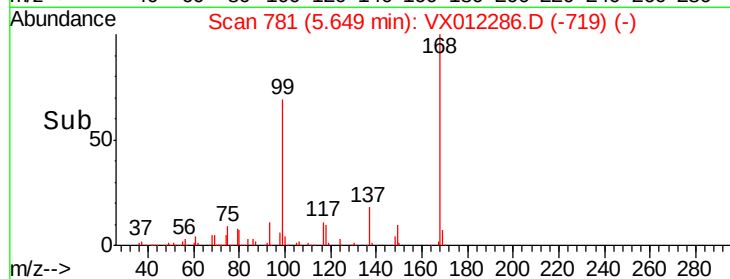
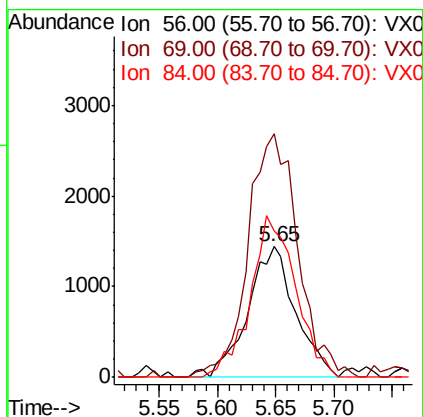
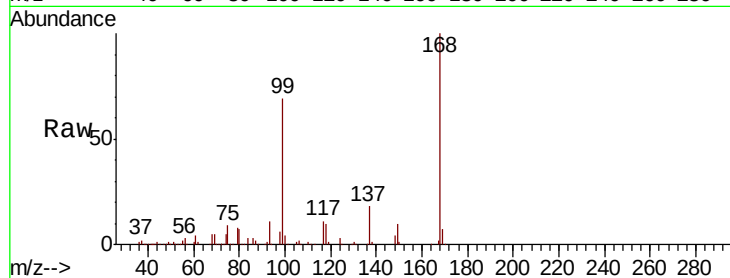




#31
Cyclohexane
Concen: 1.997 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012286.D
Acq: 11 Sep 2019 06:24

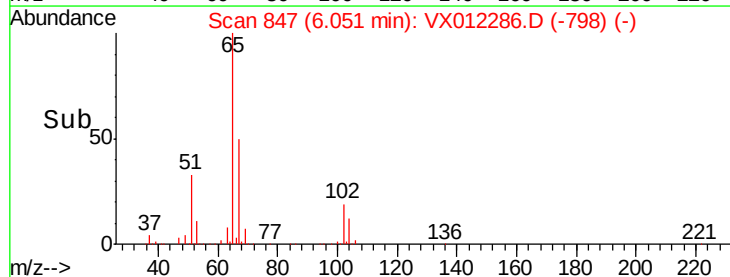
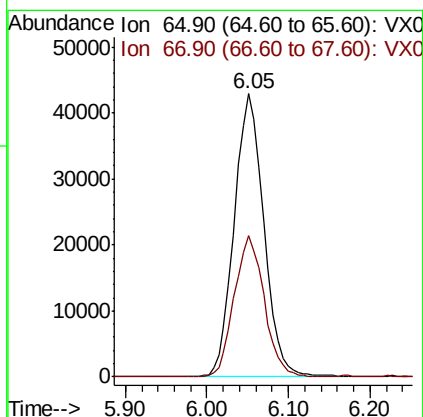
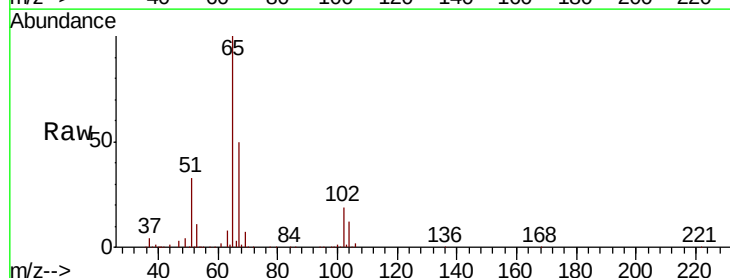
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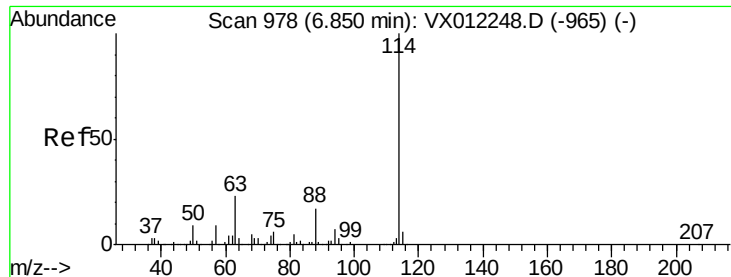
Tgt Ion: 56 Resp: 4124
Ion Ratio Lower Upper
56 100
69 186.5 23.8 35.6#
84 112.1 66.6 100.0#



#33
1,2-Dichloroethane-d4
Concen: 48.506 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX012286.D
Acq: 11 Sep 2019 06:24

Tgt Ion: 65 Resp: 107880
Ion Ratio Lower Upper
65 100
67 50.6 0.0 99.8

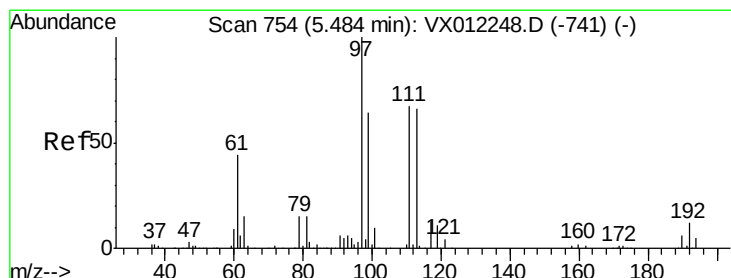
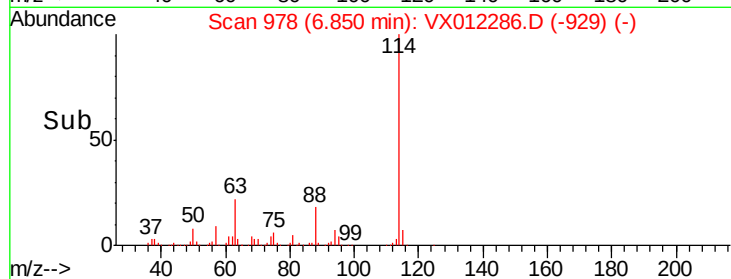
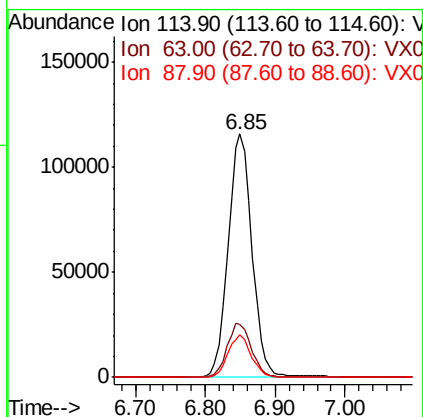
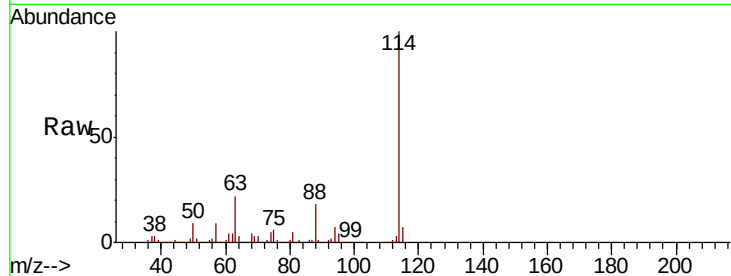




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012286.D
 Acq: 11 Sep 2019 06:24

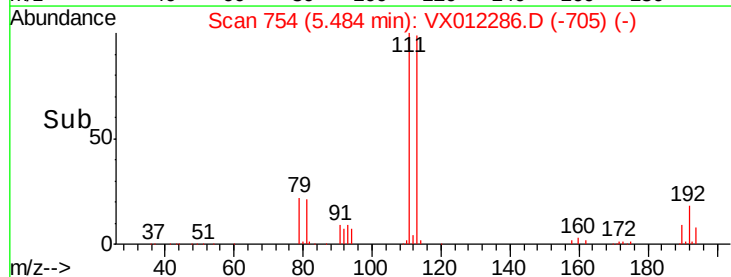
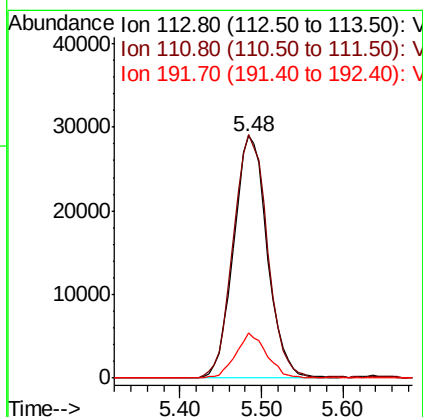
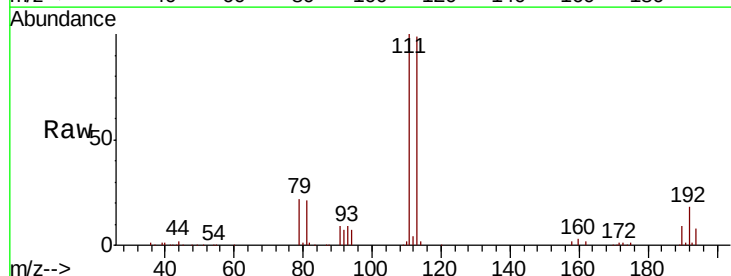
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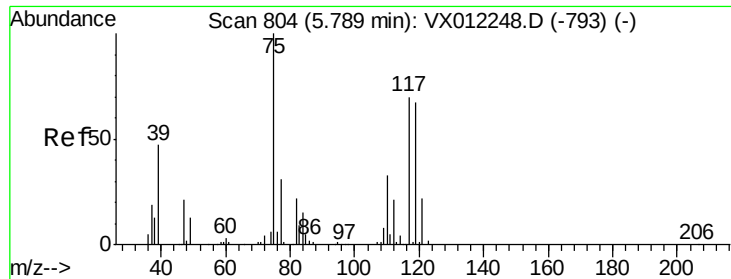
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	45.2
88	17.8	0.0	34.8



#35
 Dibromofluoromethane
 Concen: 46.830 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. 0.00 min
 Lab File: VX012286.D
 Acq: 11 Sep 2019 06:24

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.0	124.6
192	17.2	14.3	21.5

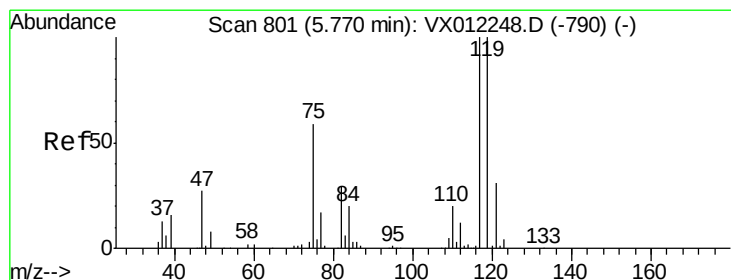
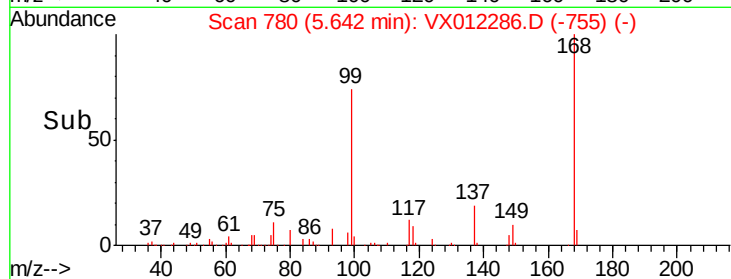
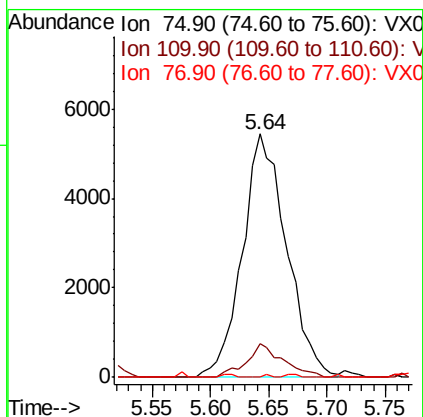
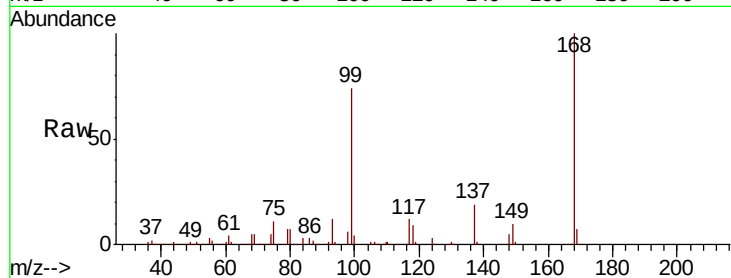




#36
 1,1-Dichloropropene
 Concen: 7.131 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012286.D
 Acq: 11 Sep 2019 06:24

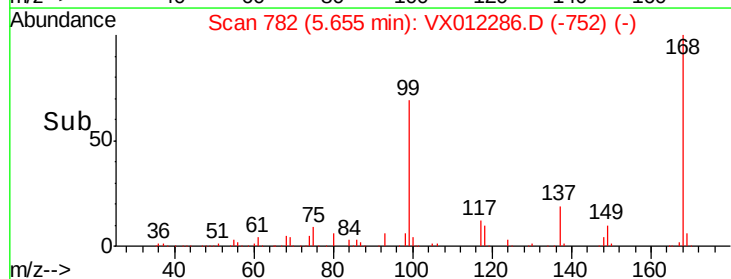
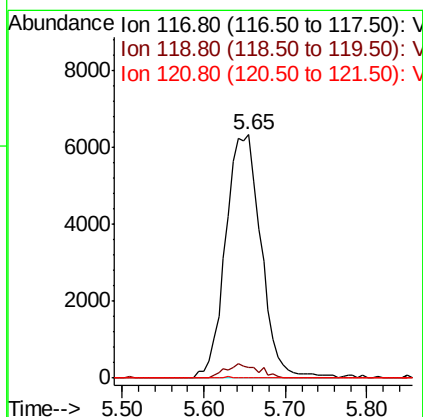
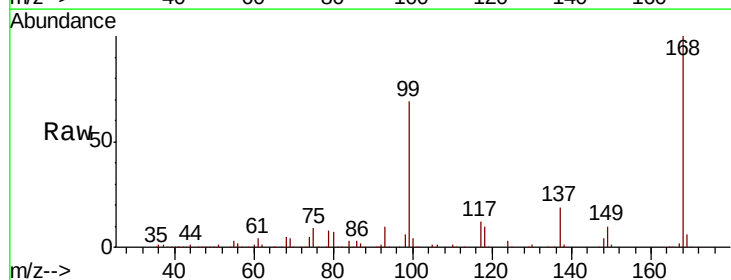
Instrument :
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 T3-3-(1.5)

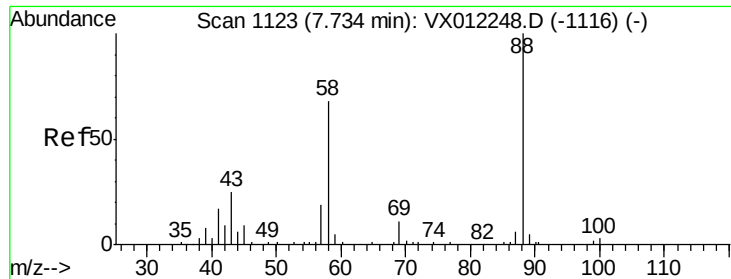
Tgt Ion: 75 Resp: 14307
 Ion Ratio Lower Upper
 75 100
 110 11.4 16.8 50.4#
 77 0.1 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 8.065 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX012286.D
 Acq: 11 Sep 2019 06:24

Tgt Ion: 117 Resp: 18984
 Ion Ratio Lower Upper
 117 100
 119 4.3 79.6 119.4#
 121 0.0 24.7 37.1#

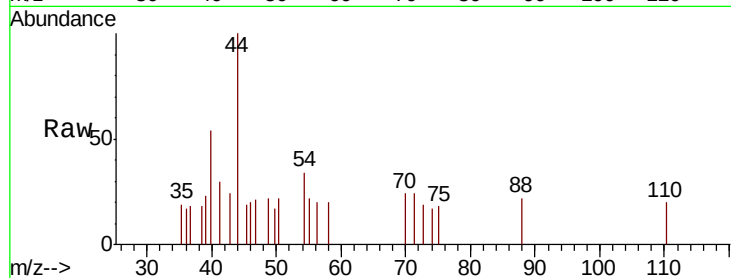




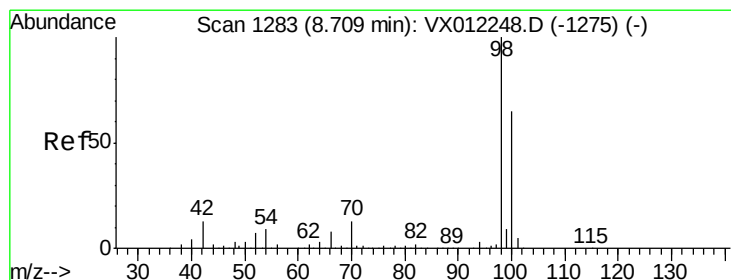
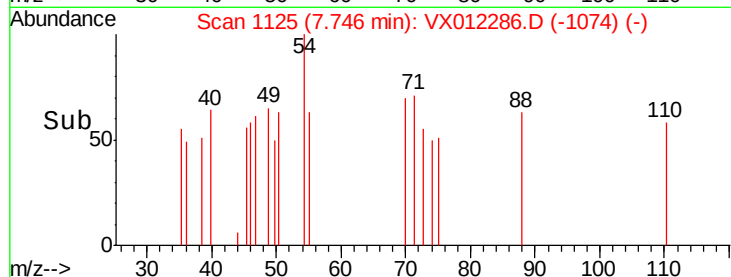
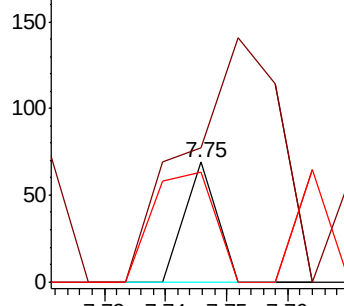
#49
1,4-Dioxane
Concen: 1.480 ug/l
RT: 7.75 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VX012286.D
Acq: 11 Sep 2019 06:24

Instrument :
MSVOA_X
ClientSampled :
T3-3-(1.5)

Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 760.0 31.0 46.4#
58 176.0 61.5 92.3#

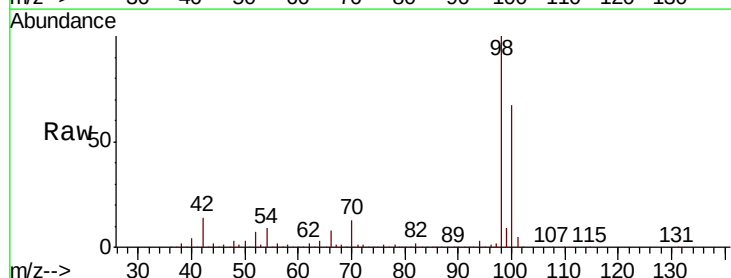


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

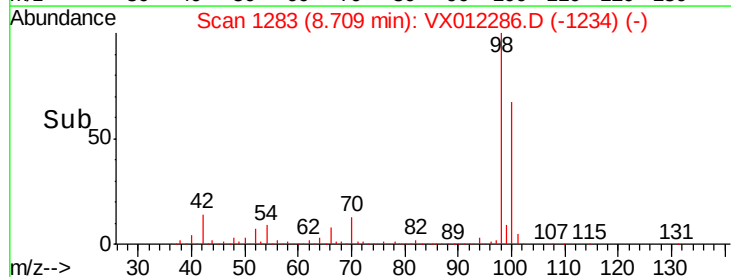
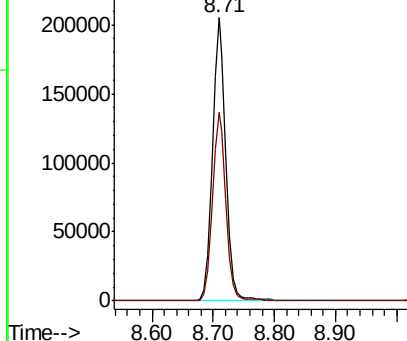


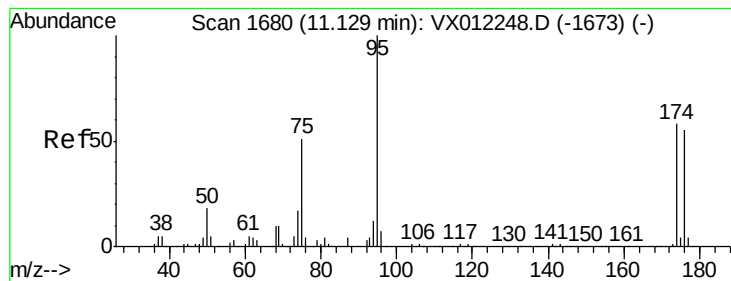
#50
Toluene-d8
Concen: 51.765 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012286.D
Acq: 11 Sep 2019 06:24

Tgt Ion: 98 Resp: 320228
Ion Ratio Lower Upper
98 100
100 67.7 54.1 81.1



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 40.554 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012286.D

Acq: 11 Sep 2019 06:24

Instrument :

MSVOA_X

ClientSampleId :

T3-3-(1.5)

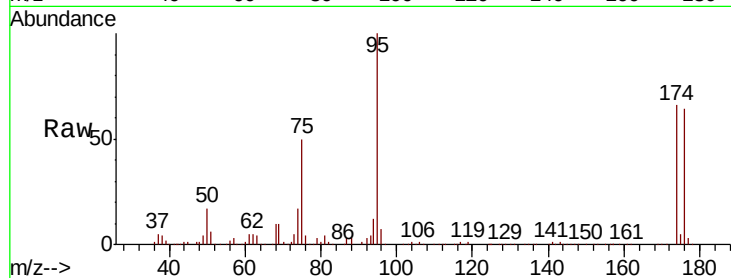
Tgt Ion: 95 Resp: 116304

Ion Ratio Lower Upper

95 100

174 65.5 0.0 127.0

176 63.3 0.0 125.8

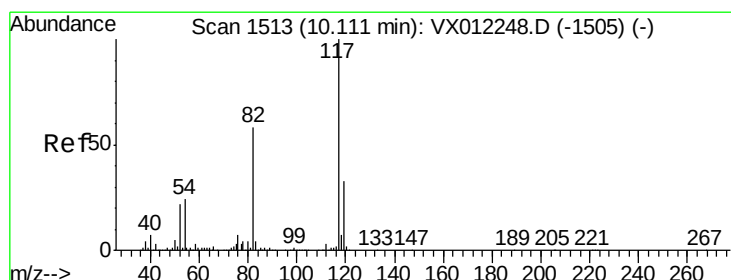
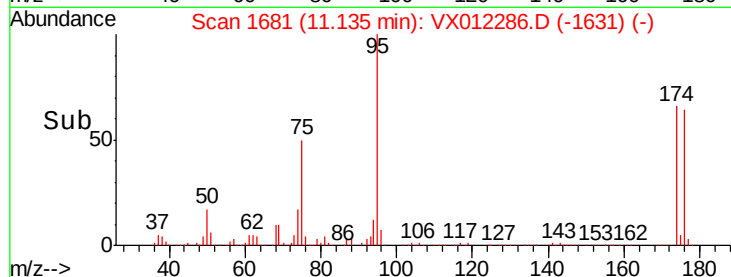
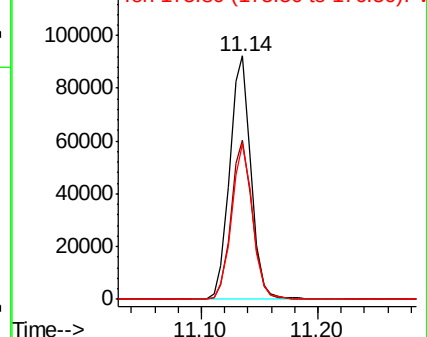


Abundance

Ion 94.90 (94.60 to 95.60): VX012248.D (-1673) (-)

Ion 173.80 (173.50 to 174.50): VX012248.D (-1673) (-)

Ion 175.80 (175.50 to 176.50): VX012248.D (-1673) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012286.D

Acq: 11 Sep 2019 06:24

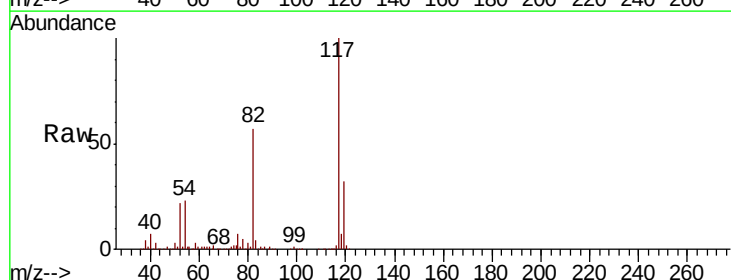
Tgt Ion: 117 Resp: 231059

Ion Ratio Lower Upper

117 100

82 56.7 46.4 69.6

119 32.3 26.6 39.8

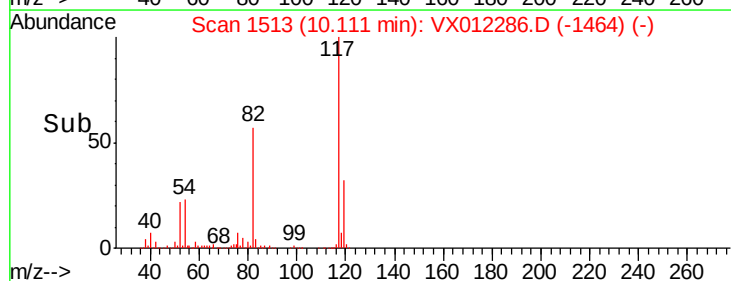
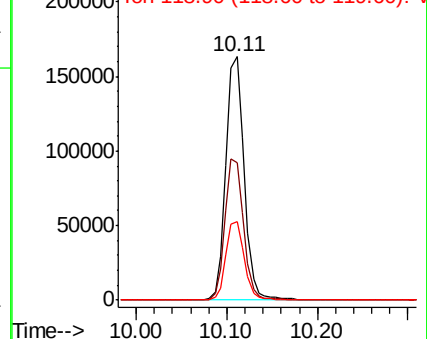


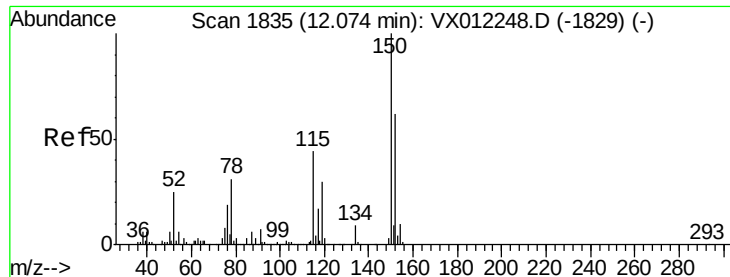
Abundance

Ion 116.90 (116.60 to 117.60): VX012248.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX012248.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX012248.D (-1505) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012286.D

Acq: 11 Sep 2019 06:24

Instrument :

MSVOA_X

ClientSampled :

T3-3-(1.5)

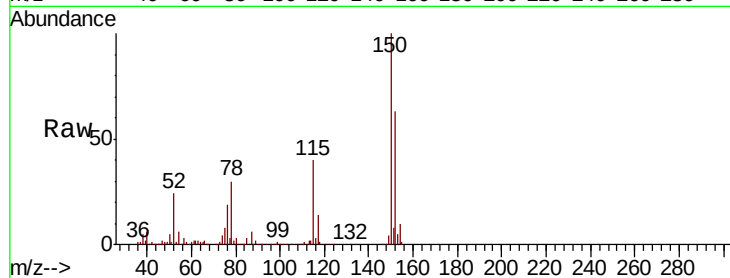
Tgt Ion:152 Resp: 90024

Ion Ratio Lower Upper

152 100

115 64.2 45.5 136.4

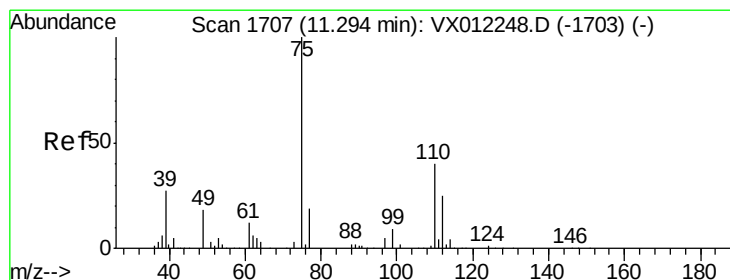
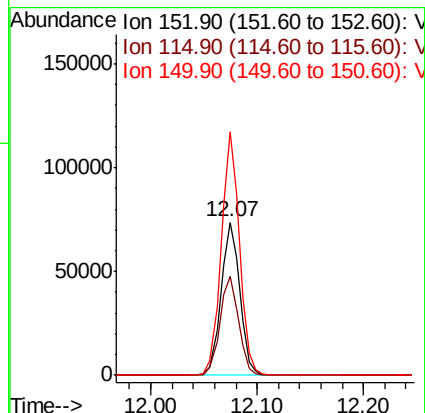
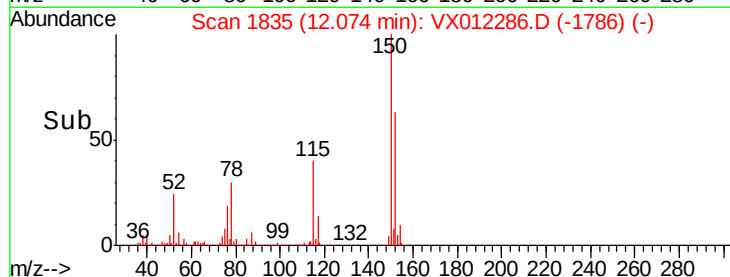
150 154.5 0.0 346.4



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: 52.410 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012286.D

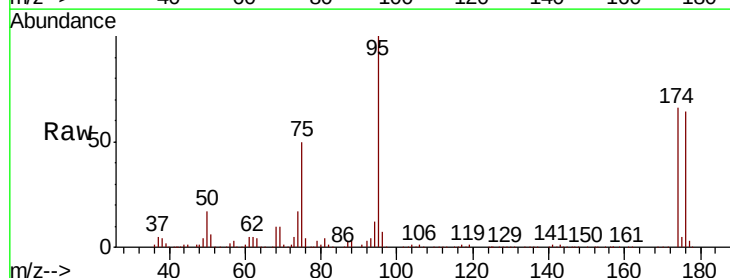
Acq: 11 Sep 2019 06:24

Tgt Ion: 75 Resp: 60612

Ion Ratio Lower Upper

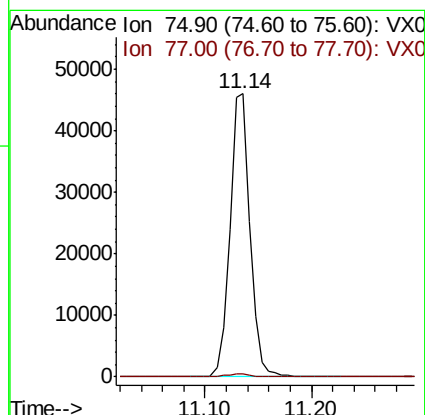
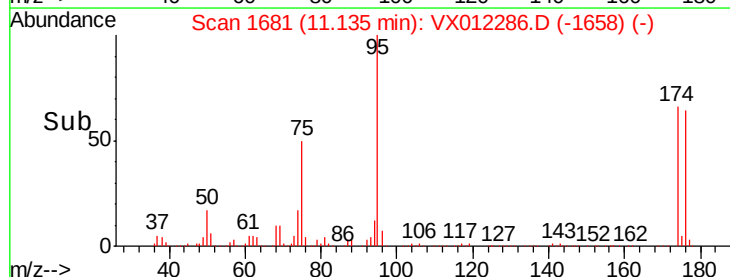
75 100

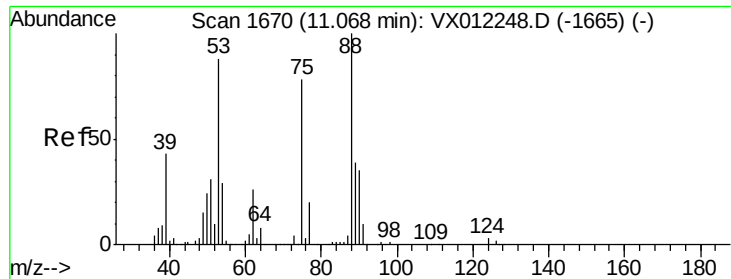
77 1.3 19.7 59.0#



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: 157.033 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012286.D

Acq: 11 Sep 2019 06:24

Instrument :

MSVOA_X

ClientSampleId :

T3-3-(1.5)

Tgt Ion: 75 Resp: 60612

Ion Ratio Lower Upper

75 100

53 0.2 88.1 132.1#

89 0.0 43.5 65.3#

