

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090619\
 Data File : VX012165.D
 Acq On : 06 Sep 2019 23:08
 Operator : SY/SP
 Sample : K4554-59
 Misc : 4.74g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-16-(8-10)

Quant Time: Sep 07 01:18:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	157411	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	271911	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	238384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	103404	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	107270	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
35) Dibromofluoromethane	5.48	113	80538	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
50) Toluene-d8	8.71	98	324052	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
62) 4-Bromofluorobenzene	11.13	95	128266	44.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.90%	

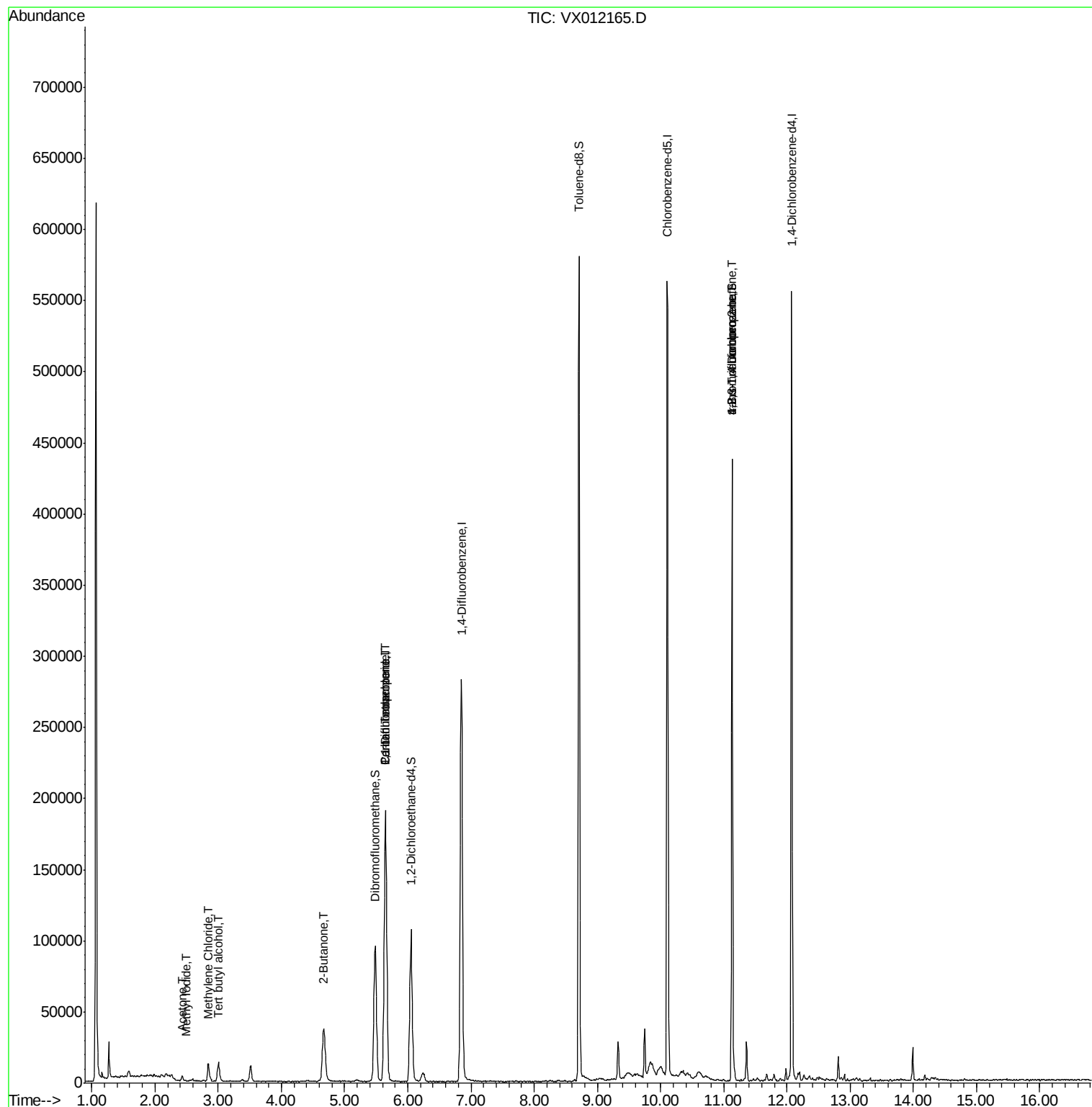
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	52	7.016	ug/l #	40
11) Tert butyl alcohol	3.00	59	8985	43.069	ug/l #	80
13) Acrolein	2.29	56	210	Below Cal	#	80
16) Acetone	2.43	43	3508	6.757	ug/l	98
20) Methylene Chloride	2.84	84	5869	2.815	ug/l	95
25) 2-Butanone	4.66	43	2611	3.951	ug/l #	68
36) 1,1-Dichloropropene	5.65	75	15238	6.363	ug/l #	48
38) Carbon Tetrachloride	5.64	117	18962	7.514	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	68118	53.915	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.13	75	68118	127.463	ug/l #	10

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

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Quant Title : SW846 8260
QLast Update : Tue Sep 03 15:26:48 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012165.D

Acq: 06 Sep 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

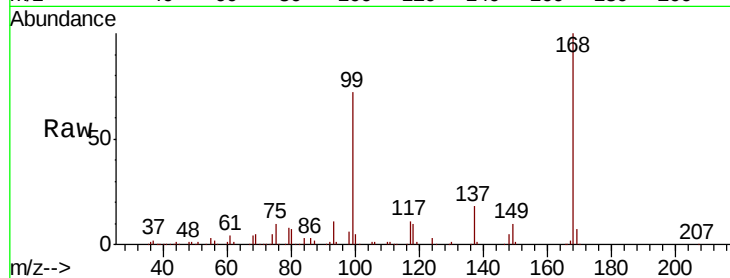
SB-16-(8-10)

Tgt Ion:168 Resp: 157411

Ion Ratio Lower Upper

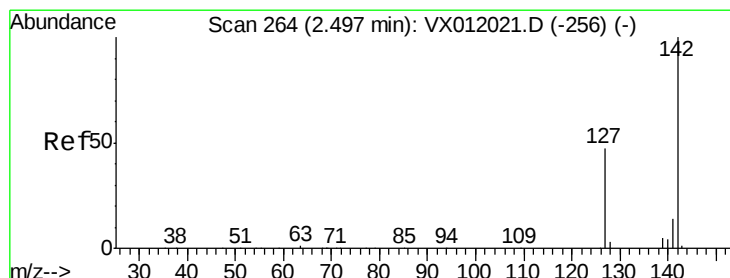
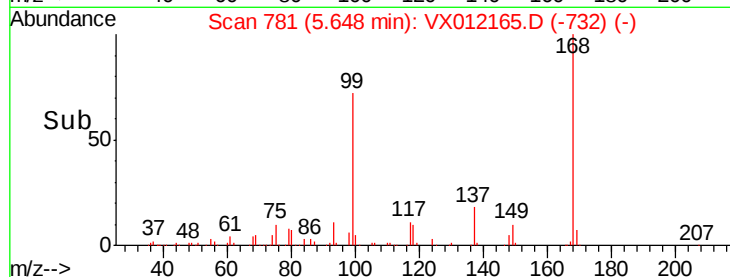
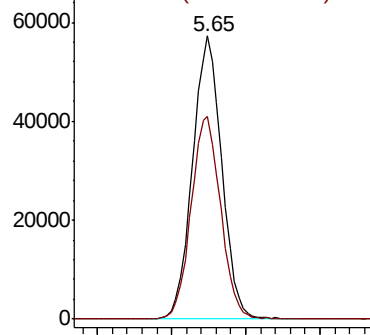
168 100

99 71.8 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#10

Methyl Iodide

Concen: 7.016 ug/l

RT: 2.50 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX012165.D

Acq: 06 Sep 2019 23:08

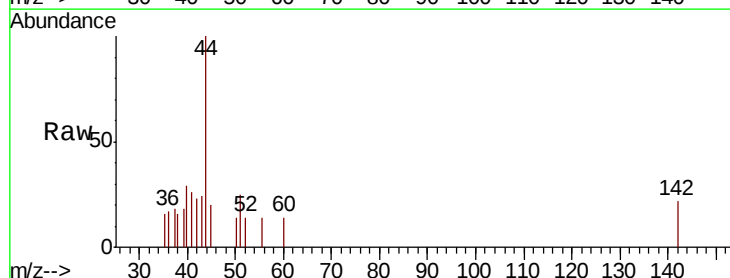
Tgt Ion:142 Resp: 52

Ion Ratio Lower Upper

142 100

127 0.0 35.4 53.2#

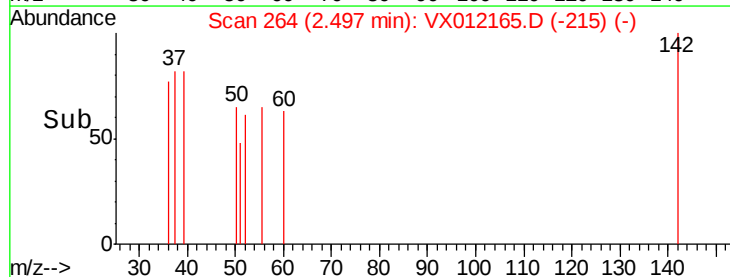
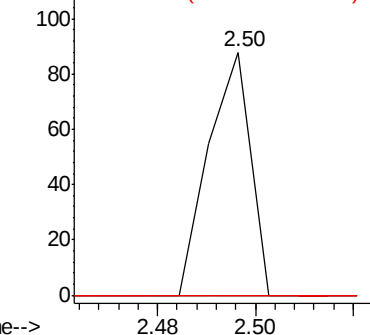
141 0.0 11.4 17.2#

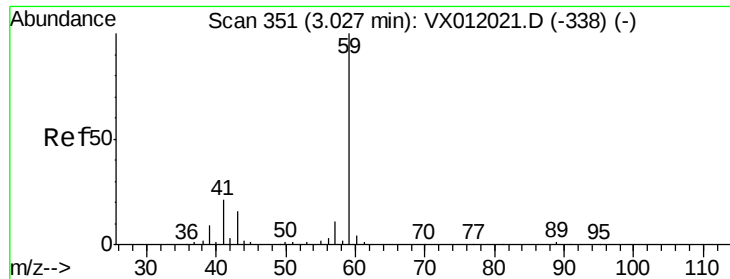


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

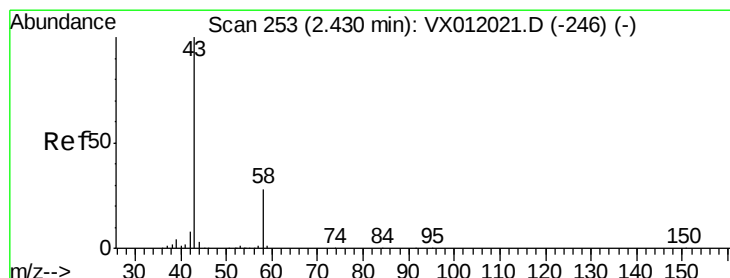
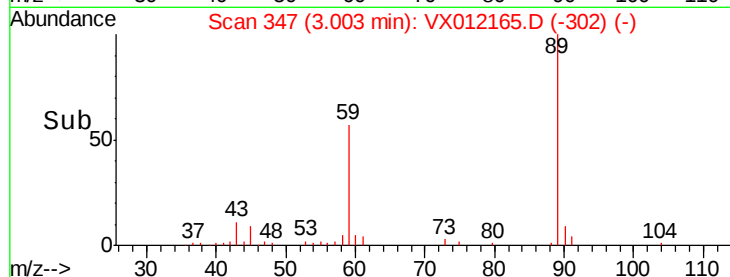
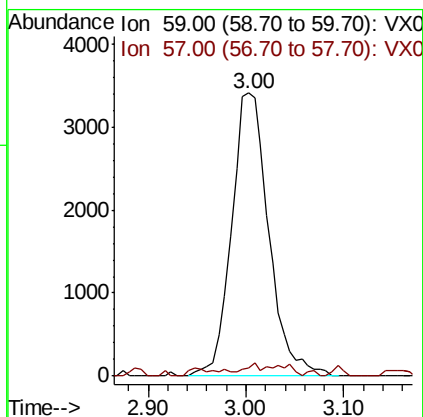
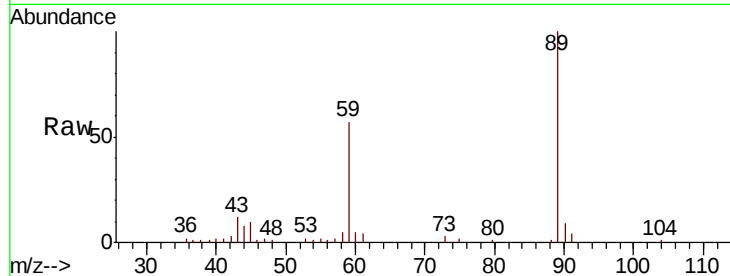




#11
Tert butyl alcohol
Concen: 43.069 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.02 min
Lab File: VX012165.D
Acq: 06 Sep 2019 23:08

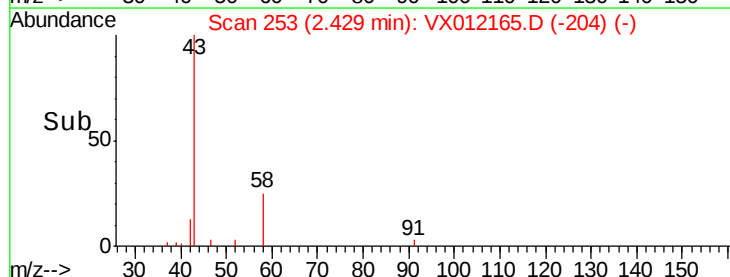
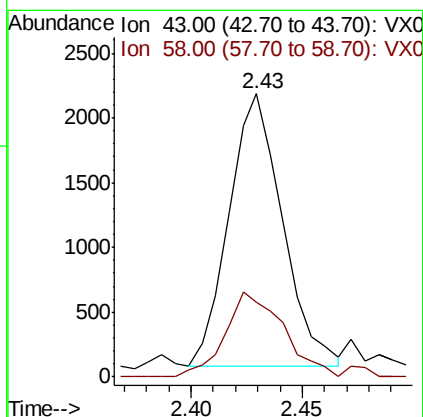
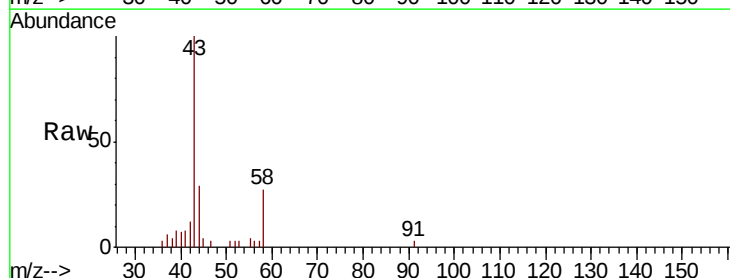
Instrument :
MSVOA_X
ClientSampleId :
SB-16-(8-10)

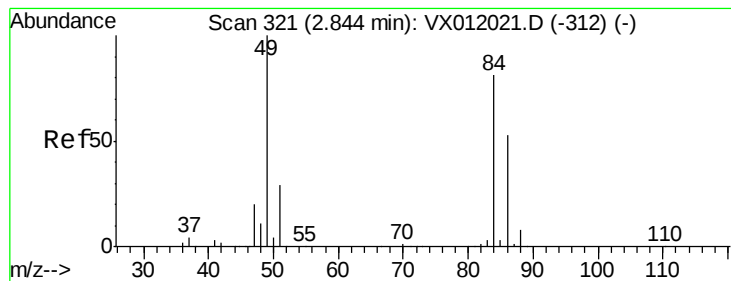
Tgt Ion: 59 Resp: 8985
Ion Ratio Lower Upper
59 100
57 2.6 7.9 11.9#



#16
Acetone
Concen: 6.757 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX012165.D
Acq: 06 Sep 2019 23:08

Tgt Ion: 43 Resp: 3508
Ion Ratio Lower Upper
43 100
58 27.6 22.8 34.2





#20

Methylene Chloride

Concen: 2.815 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012165.D

Acq: 06 Sep 2019 23:08

Instrument :

MSVOA_X

ClientSampled :

SB-16-(8-10)

Tgt Ion: 84 Resp: 5869

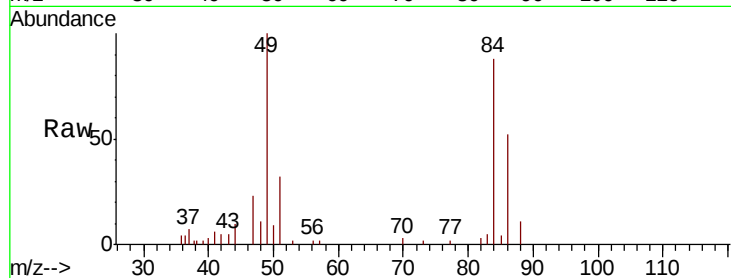
Ion Ratio Lower Upper

84 100

49 114.0 95.8 143.8

51 36.6 28.6 43.0

86 59.1 50.9 76.3

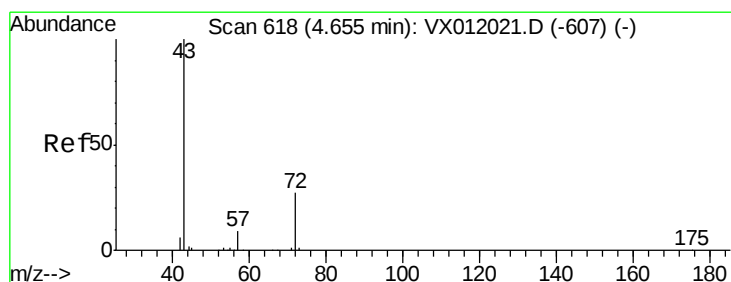
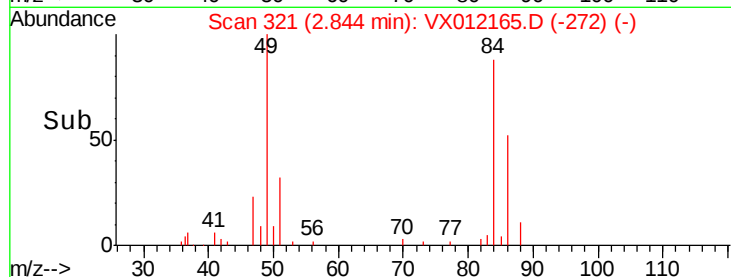
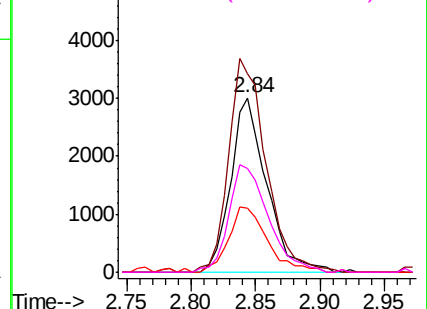


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#25

2-Butanone

Concen: 3.951 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: VX012165.D

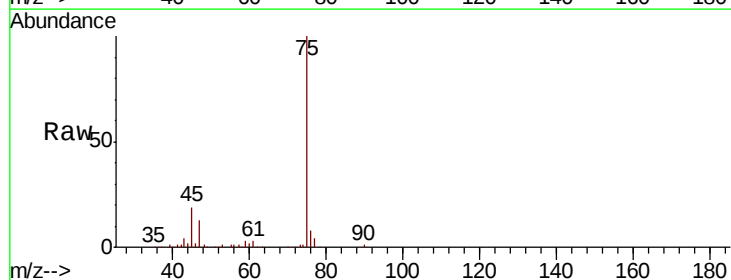
Acq: 06 Sep 2019 23:08

Tgt Ion: 43 Resp: 2611

Ion Ratio Lower Upper

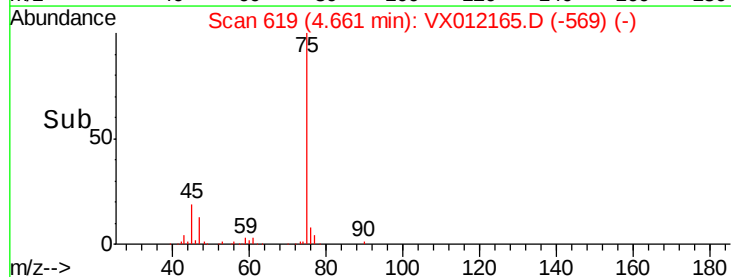
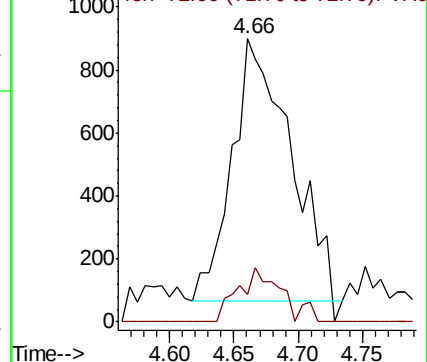
43 100

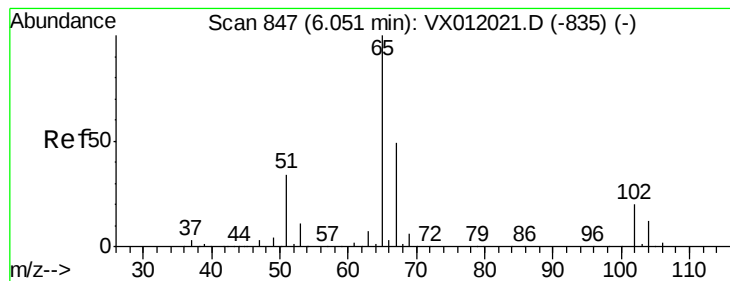
72 10.2 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.389 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012165.D

Acq: 06 Sep 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

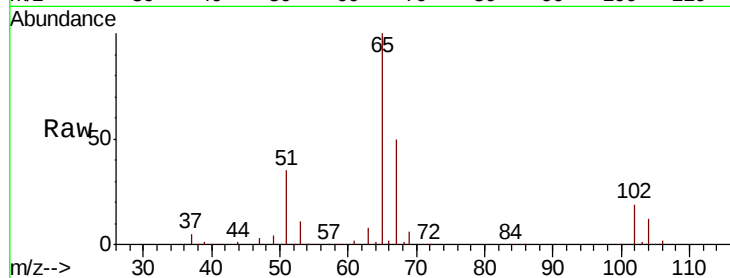
SB-16-(8-10)

Tgt Ion: 65 Resp: 107270

Ion Ratio Lower Upper

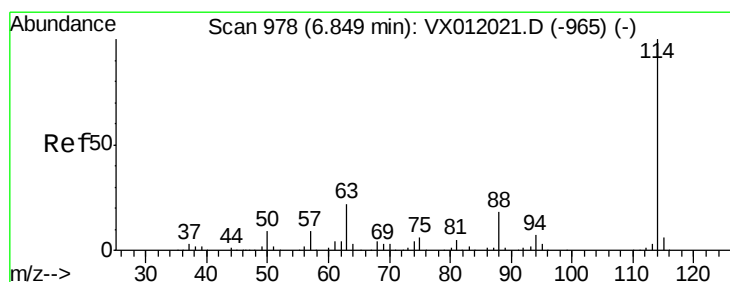
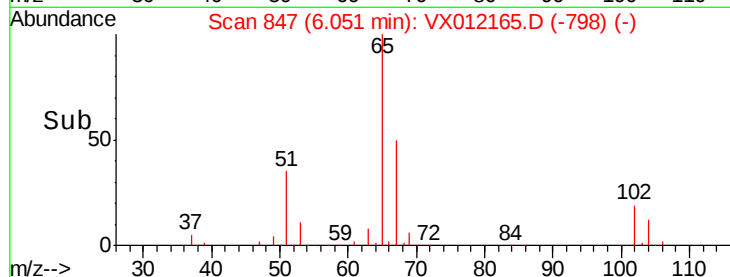
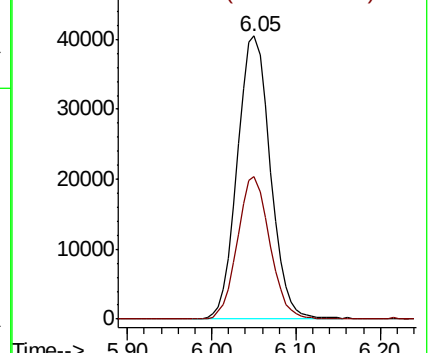
65 100

67 49.5 0.0 102.0



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: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012165.D

Acq: 06 Sep 2019 23:08

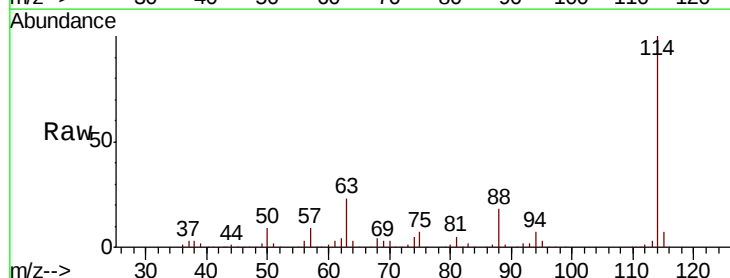
Tgt Ion: 114 Resp: 271911

Ion Ratio Lower Upper

114 100

63 22.6 0.0 37.4

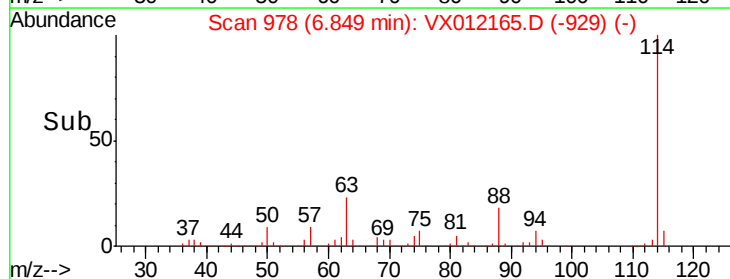
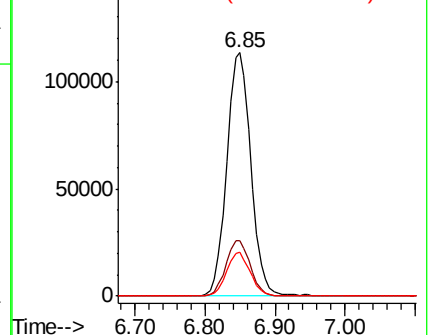
88 18.3 0.0 29.6

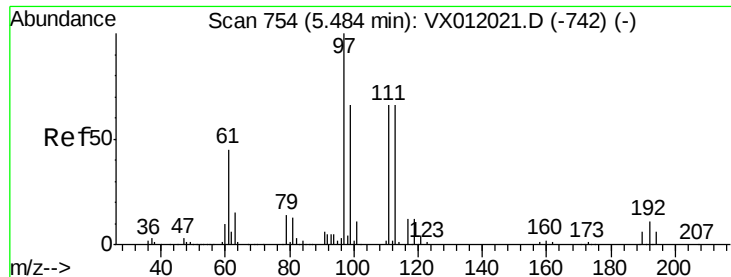


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.164 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012165.D

Acq: 06 Sep 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

SB-16-(8-10)

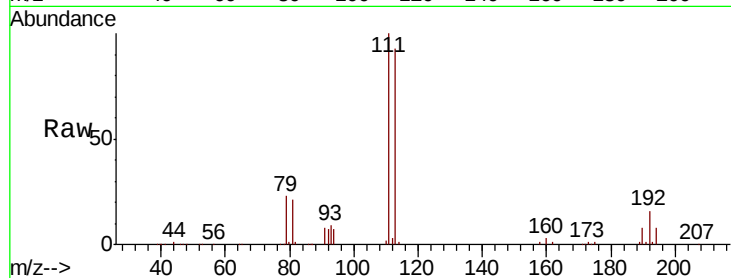
Tgt Ion:113 Resp: 80538

Ion Ratio Lower Upper

113 100

111 104.0 81.7 122.5

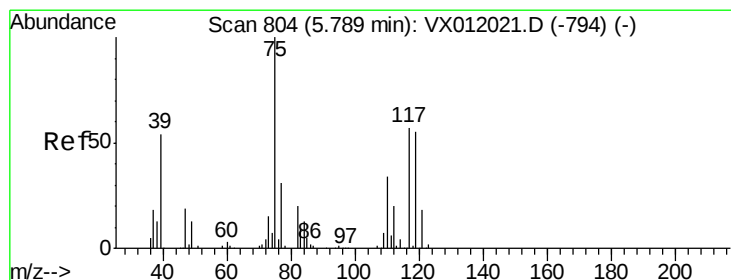
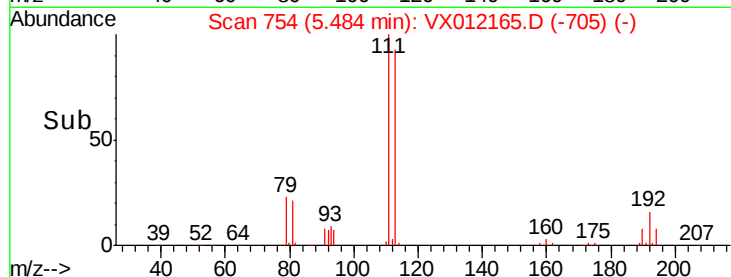
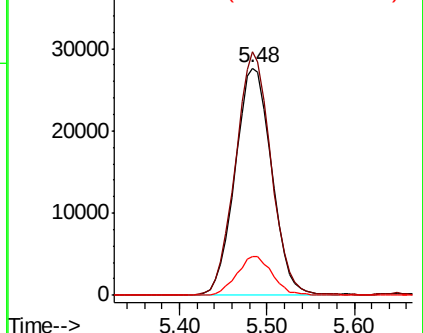
192 16.6 22.5 33.7#



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 6.363 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012165.D

Acq: 06 Sep 2019 23:08

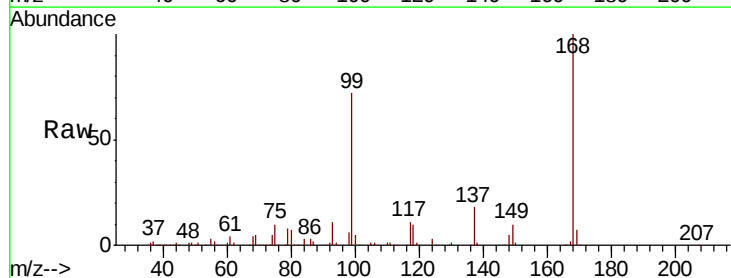
Tgt Ion: 75 Resp: 15238

Ion Ratio Lower Upper

75 100

110 9.8 19.5 58.5#

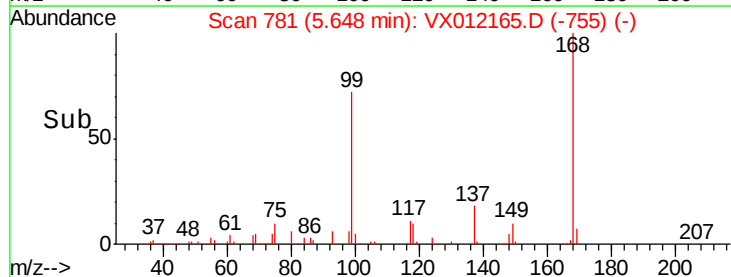
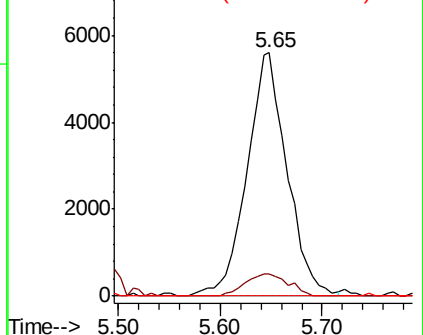
77 0.0 24.6 37.0#

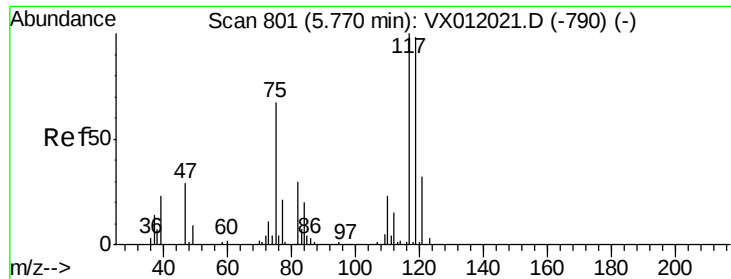


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

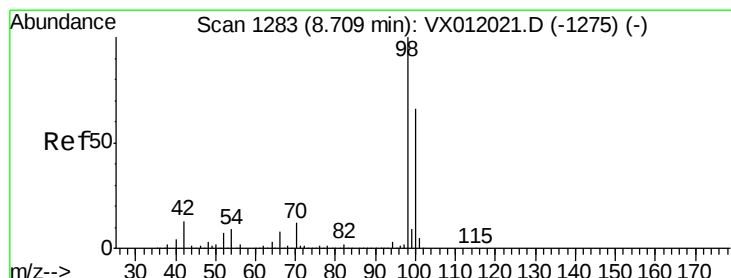
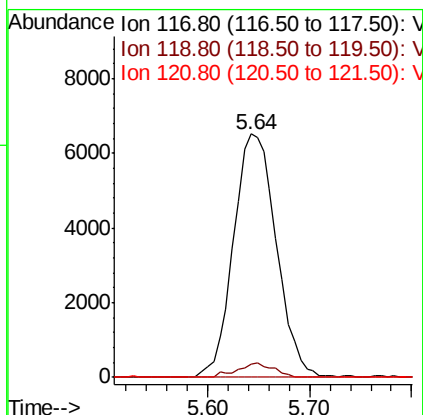
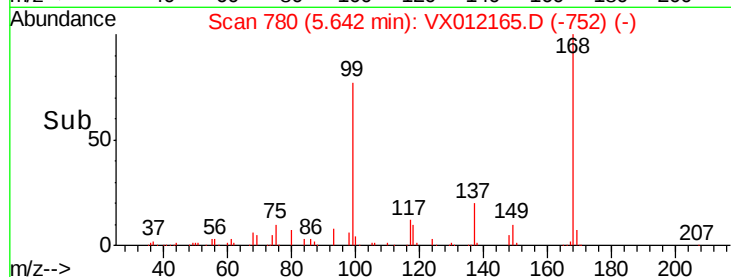
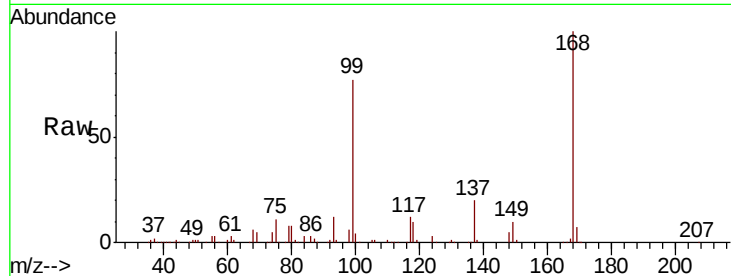




#38
Carbon Tetrachloride
Concen: 7.514 ug/l
RT: 5.64 min Scan# 780
Delta R.T. -0.13 min
Lab File: VX012165.D
Acq: 06 Sep 2019 23:08

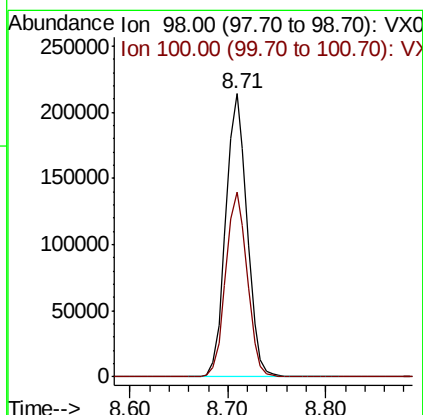
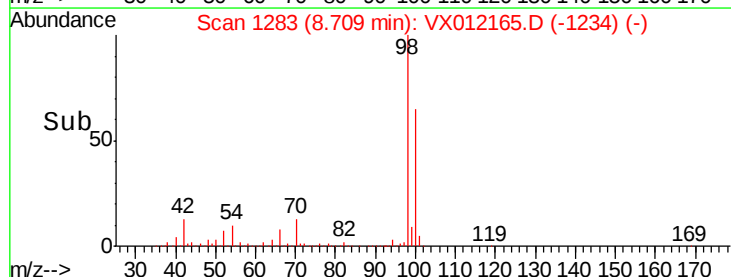
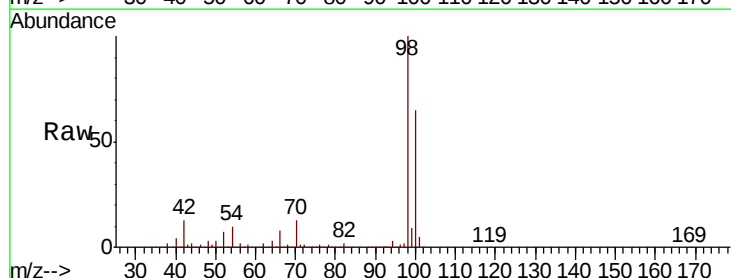
Instrument :
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ClientSampleId :
SB-16-(8-10)

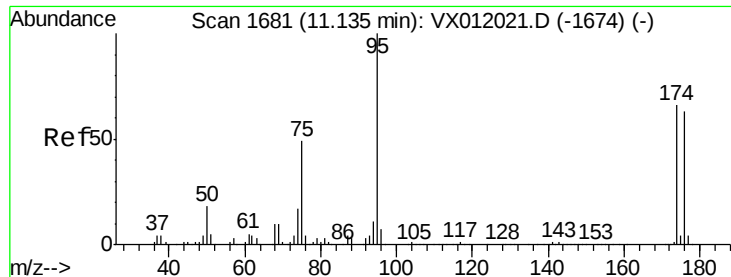
Tgt Ion:117 Resp: 18962
Ion Ratio Lower Upper
117 100
119 5.4 78.3 117.5#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 52.811 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012165.D
Acq: 06 Sep 2019 23:08

Tgt Ion: 98 Resp: 324052
Ion Ratio Lower Upper
98 100
100 65.9 53.3 79.9





#62

4-Bromofluorobenzene

Concen: 44.948 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012165.D

Acq: 06 Sep 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

SB-16-(8-10)

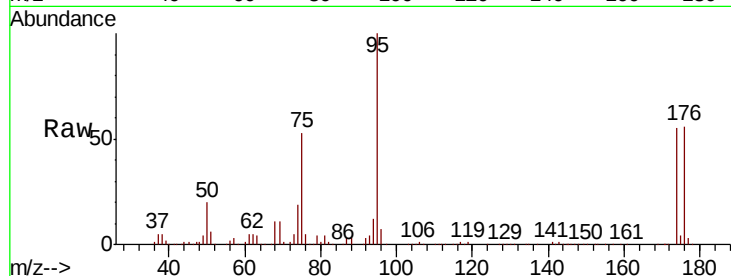
Tgt Ion: 95 Resp: 128266

Ion Ratio Lower Upper

95 100

174 62.1 0.0 205.4

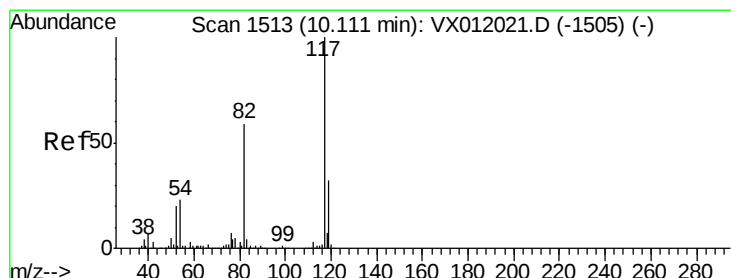
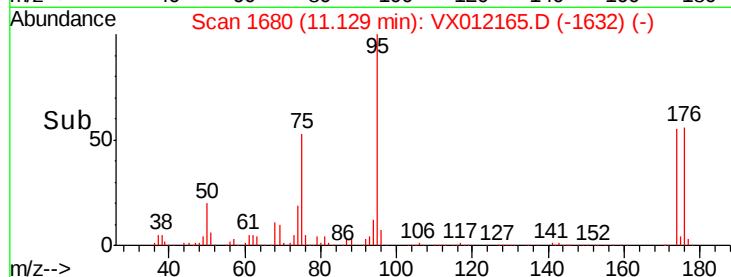
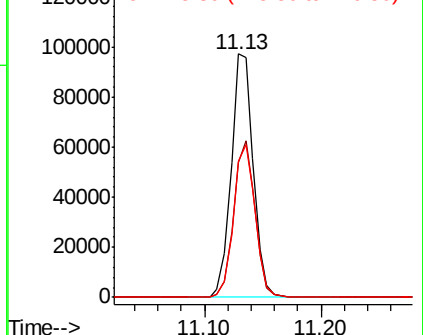
176 61.5 0.0 201.8



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# 1513

Delta R.T. -0.00 min

Lab File: VX012165.D

Acq: 06 Sep 2019 23:08

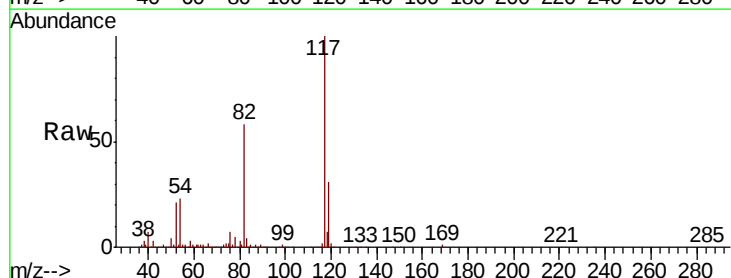
Tgt Ion: 117 Resp: 238384

Ion Ratio Lower Upper

117 100

82 57.6 39.4 59.0

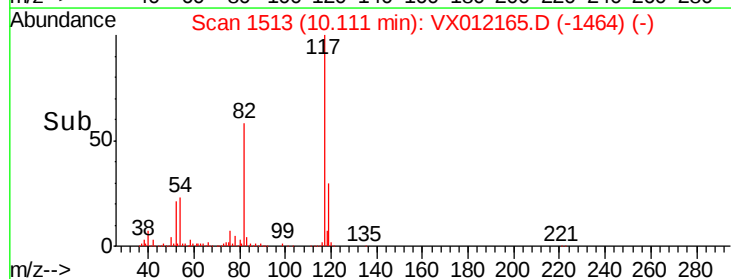
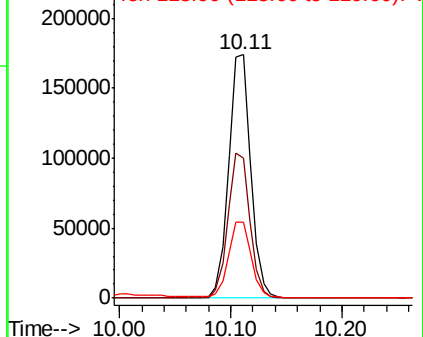
119 31.2 26.1 39.1

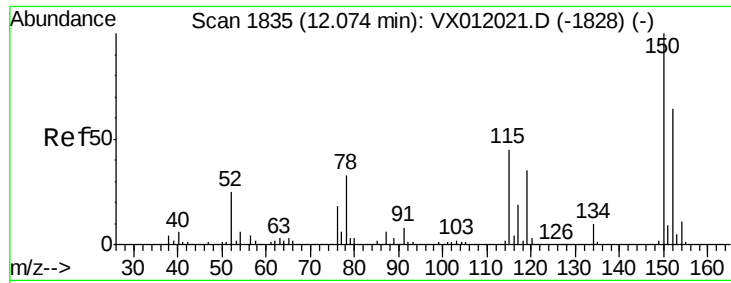


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012165.D

Acq: 06 Sep 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

SB-16-(8-10)

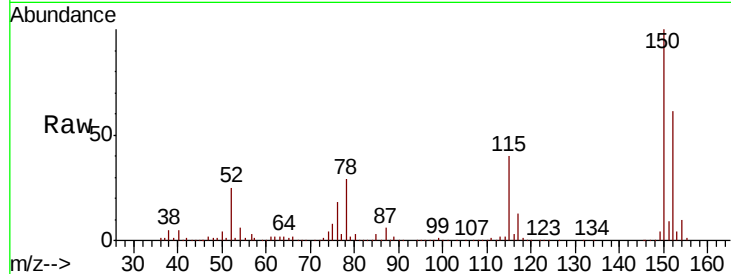
Tgt Ion:152 Resp: 103404

Ion Ratio Lower Upper

152 100

115 67.2 36.4 109.3

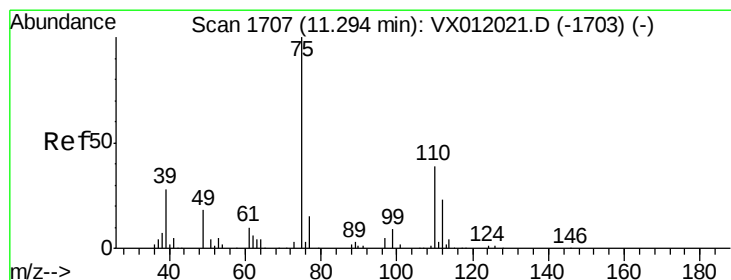
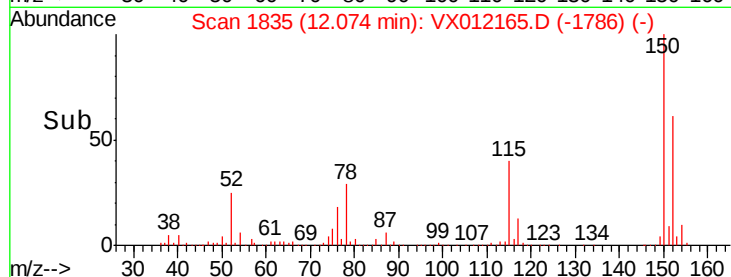
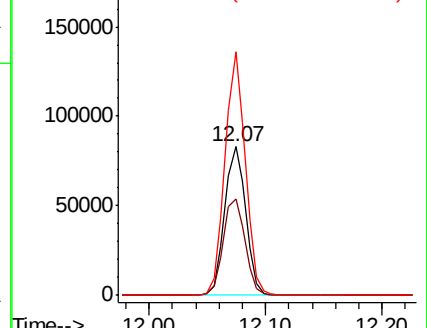
150 157.8 0.0 341.2



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: 53.915 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012165.D

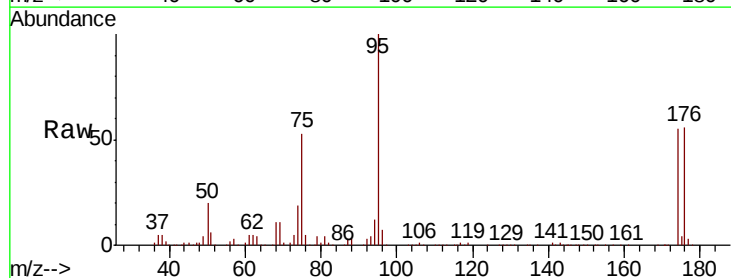
Acq: 06 Sep 2019 23:08

Tgt Ion: 75 Resp: 68118

Ion Ratio Lower Upper

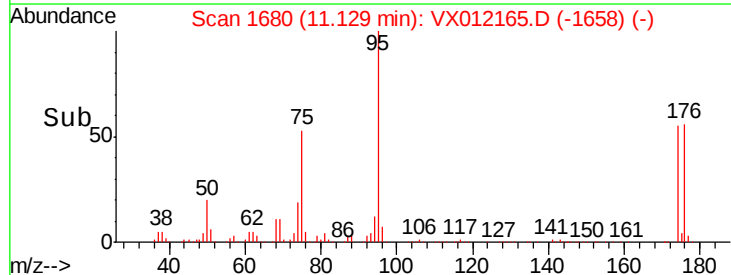
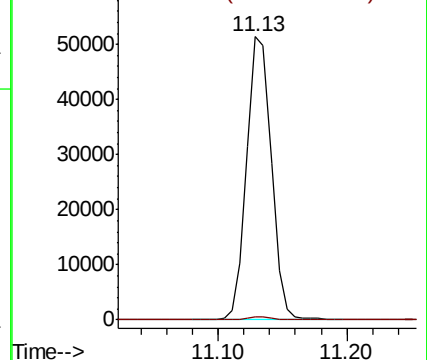
75 100

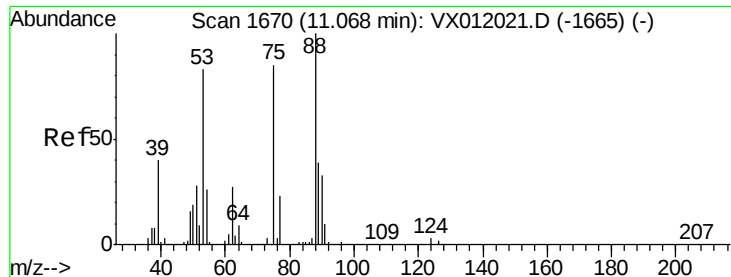
77 1.0 23.5 70.5#



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: 127.463 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012165.D

Acq: 06 Sep 2019 23:08

Instrument :

MSVOA_X

ClientSampleId :

SB-16-(8-10)

Tgt Ion: 75 Resp: 68118

Ion Ratio Lower Upper

75 100

53 0.0 78.6 117.8#

89 0.0 38.8 58.2#

