

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090519\
 Data File : VX012135.D
 Acq On : 06 Sep 2019 08:27
 Operator : SY/SP
 Sample : K4580-10
 Misc : 3.62g/5.0mL/MSVOA X/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 06 11:31:41 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	5.64	168	153990	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	272847	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	235777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	98507	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	108239	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	
35) Dibromofluoromethane	5.48	113	80671	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	
50) Toluene-d8	8.71	98	320504	52.05	ug/l	0.00
Spiked Amount			Recovery	=	104.10%	
62) 4-Bromofluorobenzene	11.14	95	125415	43.80	ug/l	0.00
Spiked Amount			Recovery	=	87.60%	

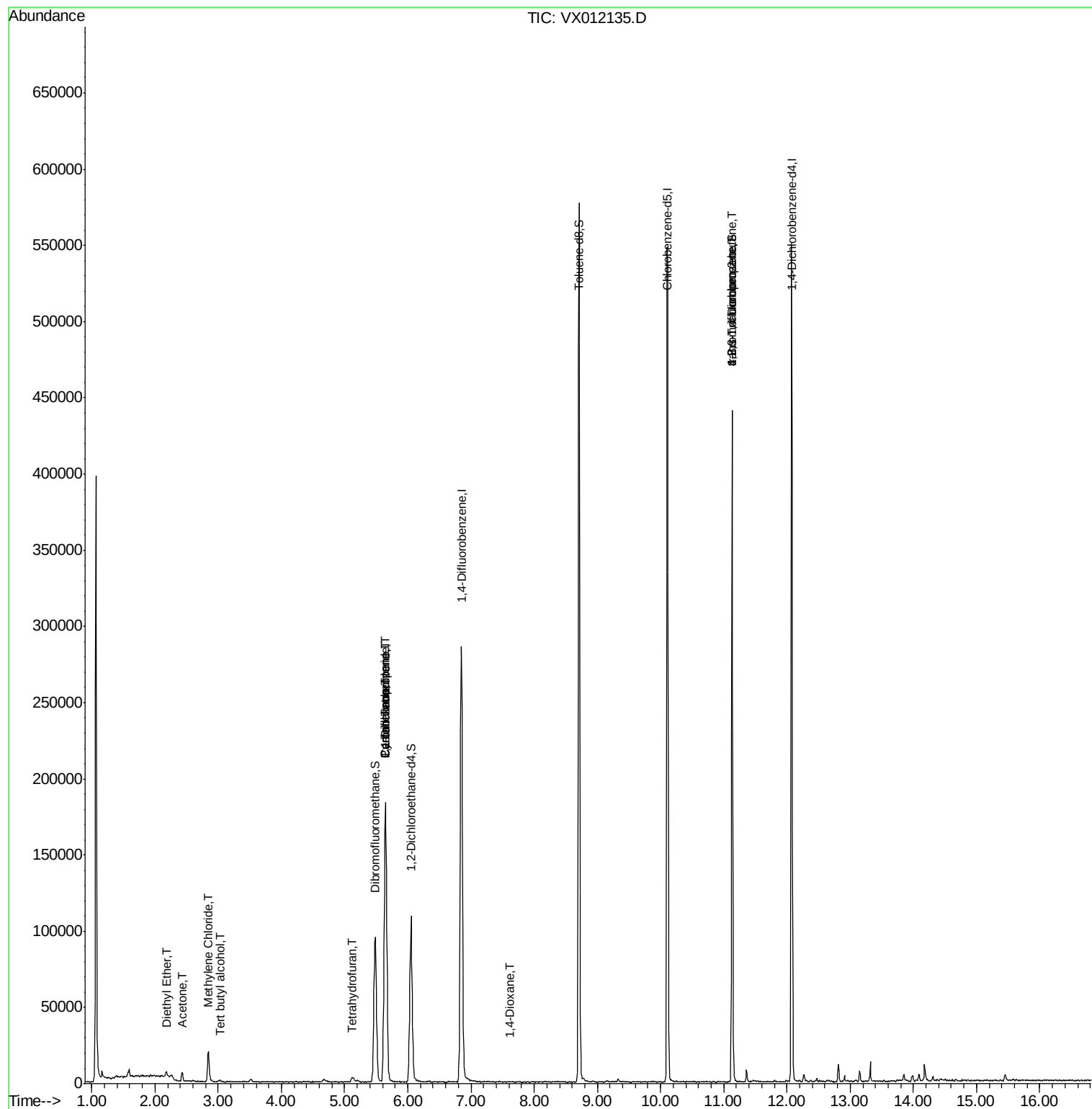
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	850	1.157	ug/l	88
11) Tert butyl alcohol	3.03	59	973	4.768	ug/l #	92
13) Acrolein	2.27	56	135	Below Cal	#	12
16) Acetone	2.43	43	6036	11.885	ug/l	94
20) Methylene Chloride	2.84	84	9267	4.544	ug/l	96
29) Tetrahydrofuran	5.12	42	3154	8.098	ug/l	95
31) Cyclohexane	5.65	56	4370	1.678	ug/l #	13
36) 1,1-Dichloropropene	5.65	75	14377	5.983	ug/l #	49
38) Carbon Tetrachloride	5.65	117	18544	7.323	ug/l #	14
49) 1,4-Dioxane	7.62	88	22	1.208	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	65765	54.640	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.14	75	65765	129.177	ug/l #	10

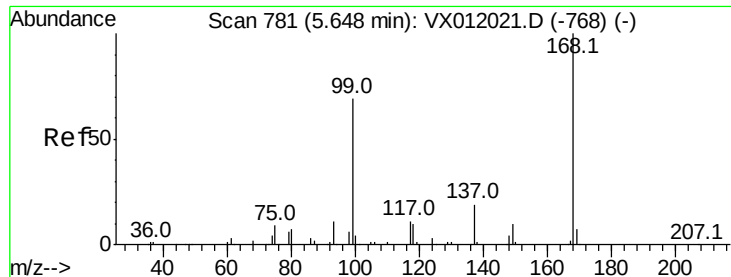
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090519\
Data File : VX012135.D
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MSVOA_X
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Quant Time: Sep 06 11:31:41 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
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: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX012135.D

Acq: 06 Sep 2019 08:27

Instrument :

MSVOA_X

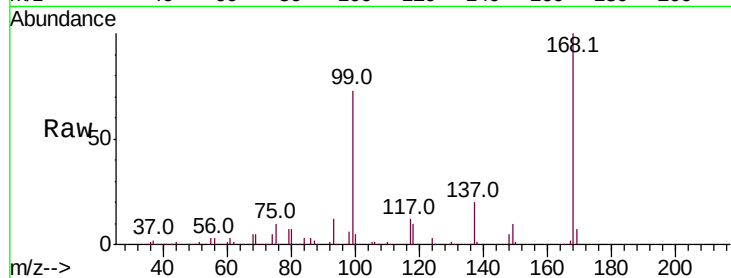
ClientSampleId :

Tot Ion:168 Resp: 153990

Ion Ratio Lower Upper

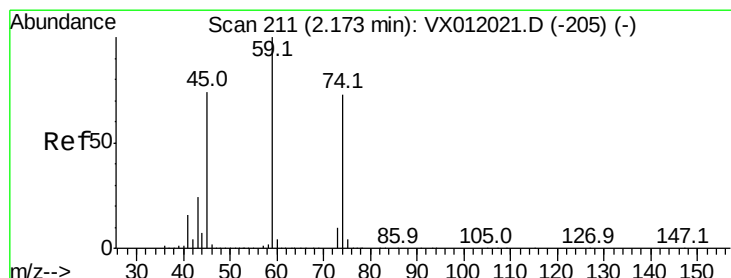
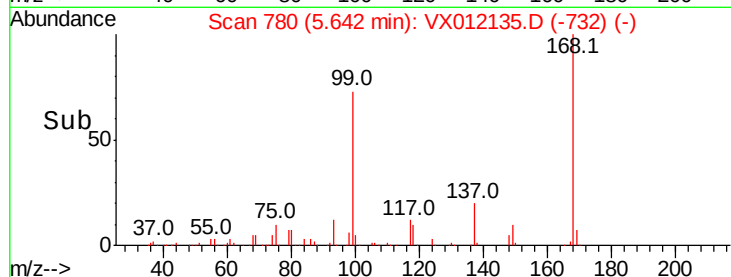
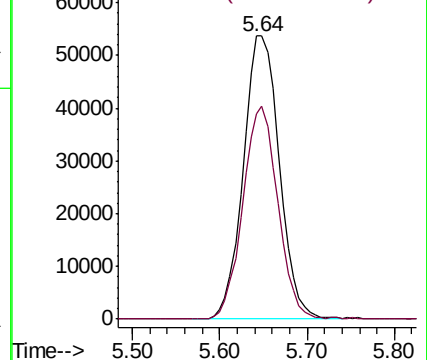
168 100

99 72.7 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 1.157 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012135.D

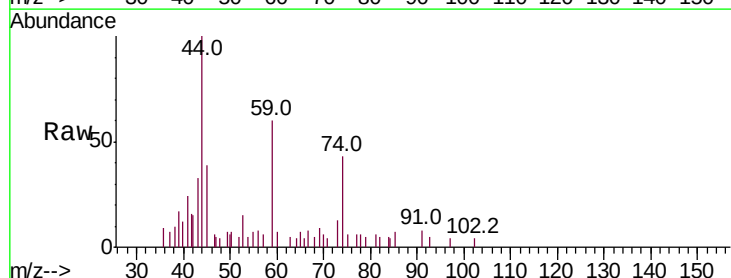
Acq: 06 Sep 2019 08:27

Tgt Ion: 74 Resp: 850

Ion Ratio Lower Upper

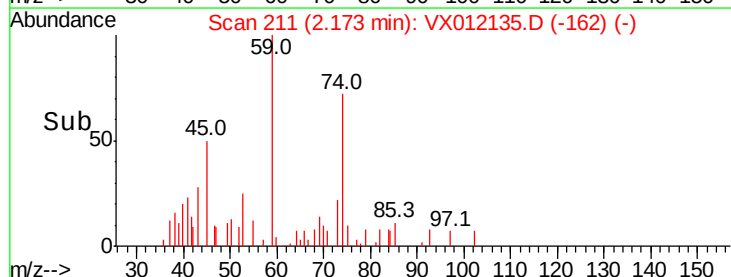
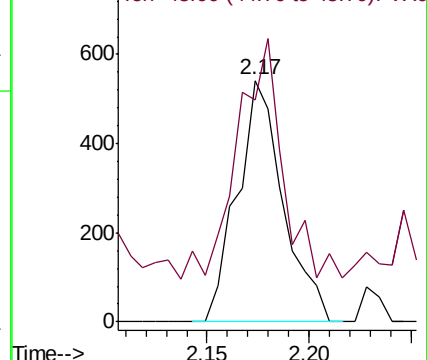
74 100

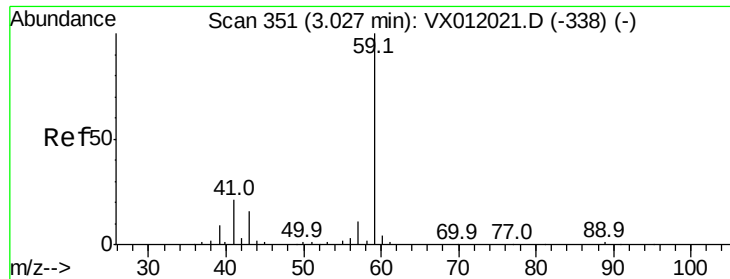
45 102.8 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

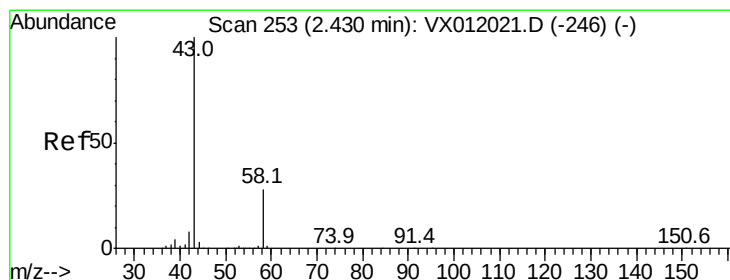
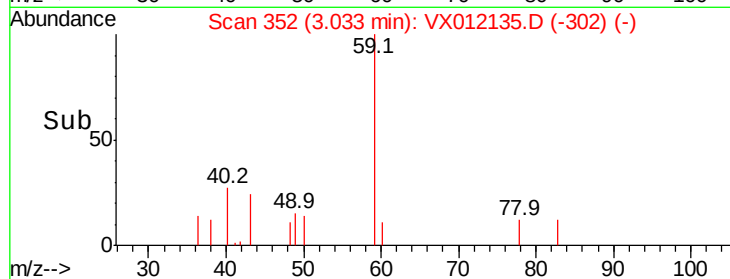
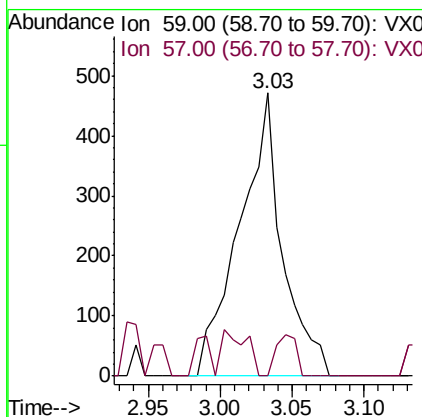
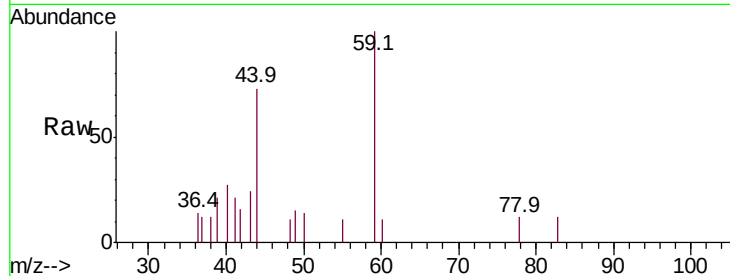




#11
Tert butyl alcohol
Concen: 4.768 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX012135.D
Acq: 06 Sep 2019 08:27

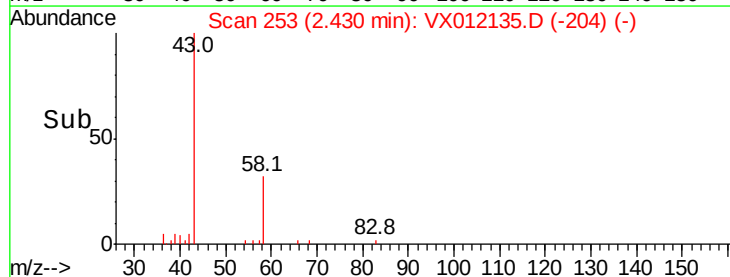
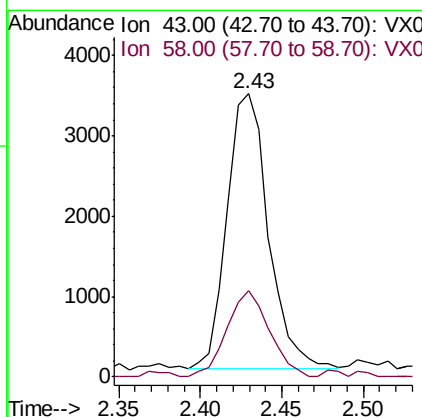
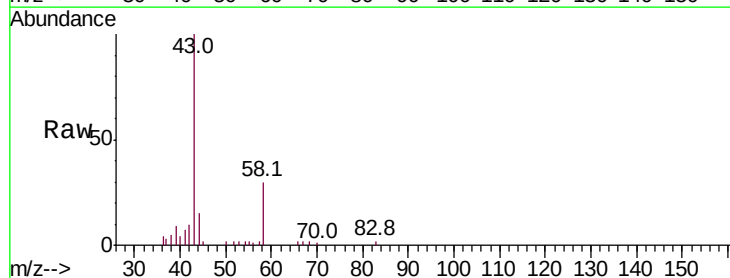
Instrument :
MSVOA_X
ClientSampled :

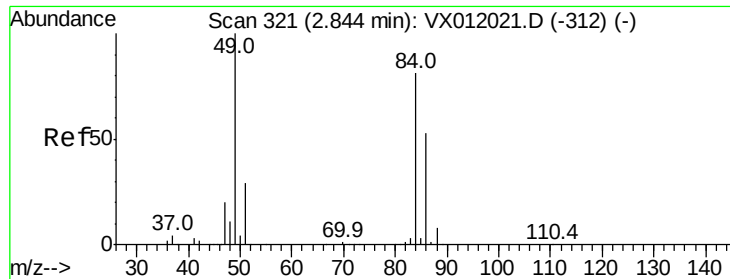
Tot Ion: 59 Resp: 973
Ion Ratio Lower Upper
59 100
57 6.9 7.9 11.9#



#16
Acetone
Concen: 11.885 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX012135.D
Acq: 06 Sep 2019 08:27

Tgt Ion: 43 Resp: 6036
Ion Ratio Lower Upper
43 100
58 31.4 22.8 34.2

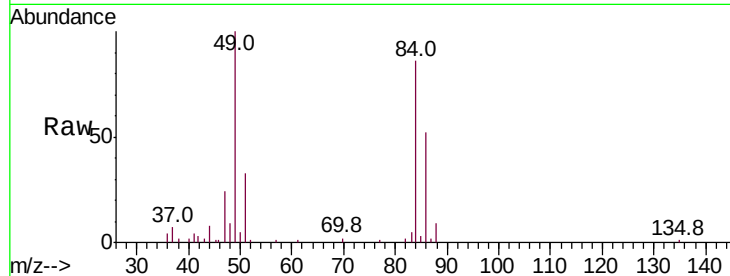




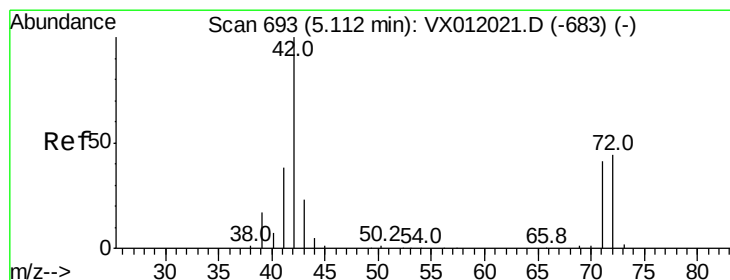
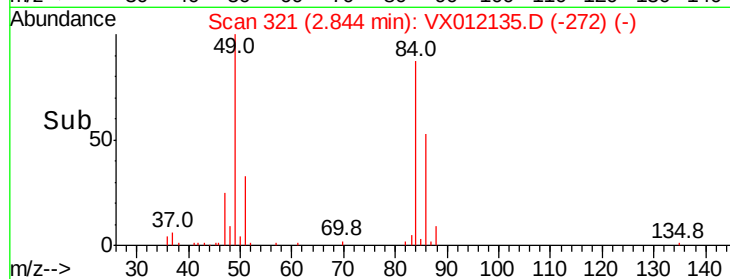
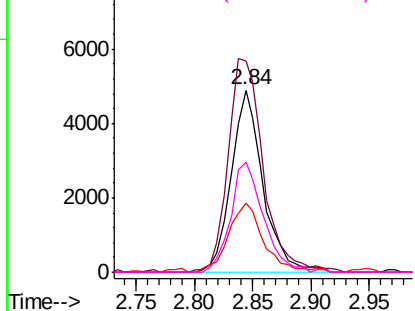
#20
Methvlene Chloride
Concen: 4.544 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012135.D
Acq: 06 Sep 2019 08:27

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 84 Resp: 9267
Ion Ratio Lower Upper
84 100
49 116.2 95.8 143.8
51 38.0 28.6 43.0
86 60.4 50.9 76.3

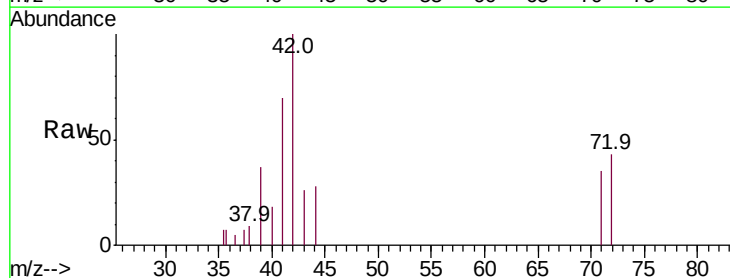


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

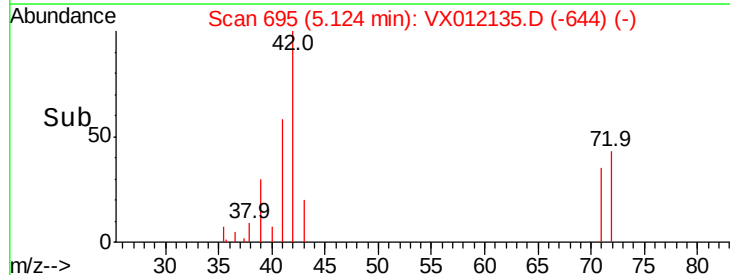
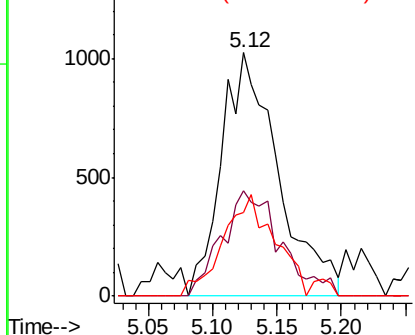


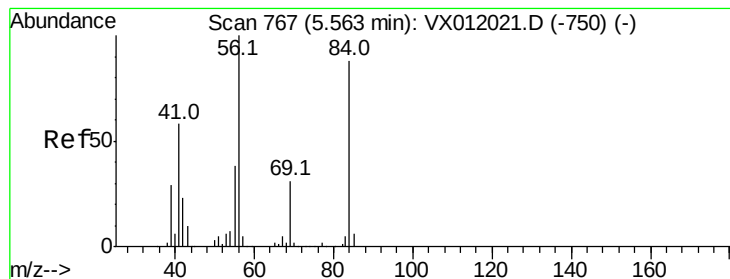
#29
Tetrahydrofuran
Concen: 8.098 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012135.D
Acq: 06 Sep 2019 08:27

Tgt Ion: 42 Resp: 3154
Ion Ratio Lower Upper
42 100
72 44.3 37.0 55.4
71 37.8 33.8 50.8



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.678 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.09 min

Lab File: VX012135.D

Acq: 06 Sep 2019 08:27

Instrument :
MSVOA_X
ClientSampled :

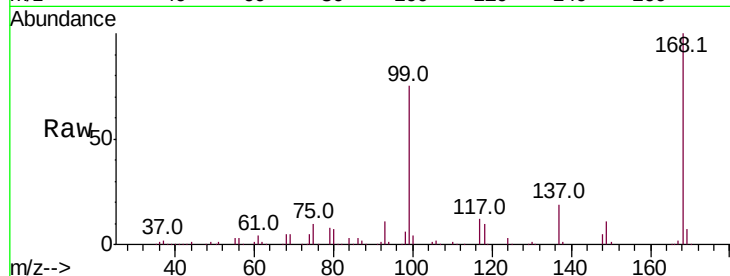
Tot Ion: 56 Resp: 4370

Ion Ratio Lower Upper

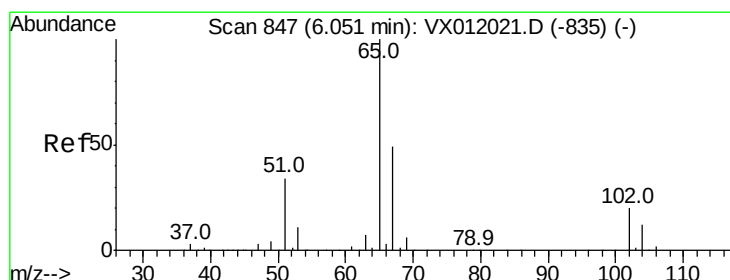
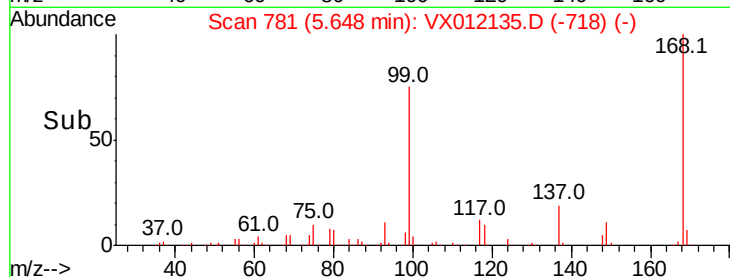
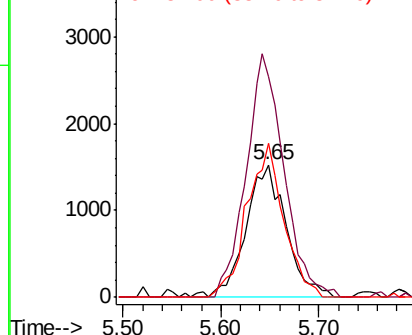
56 100

69 167.2 25.7 38.5#

84 116.1 70.3 105.5#



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: 50.942 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012135.D

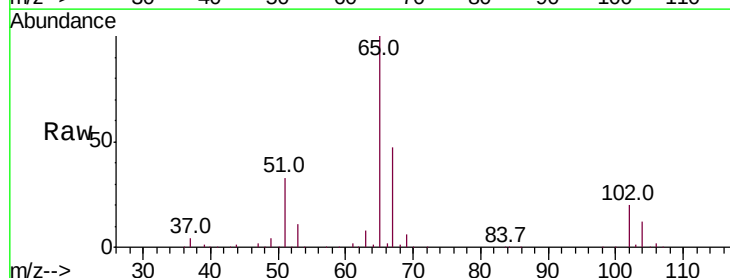
Acq: 06 Sep 2019 08:27

Tgt Ion: 65 Resp: 108239

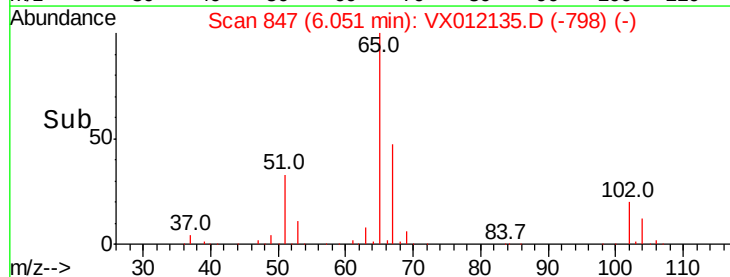
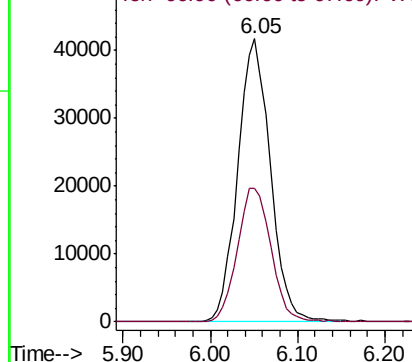
Ion Ratio Lower Upper

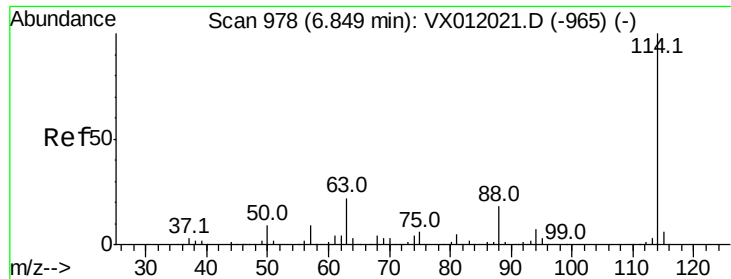
65 100

67 49.0 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: VX012135.D

Acq: 06 Sep 2019 08:27

Instrument :

MSVOA_X

ClientSampleId :

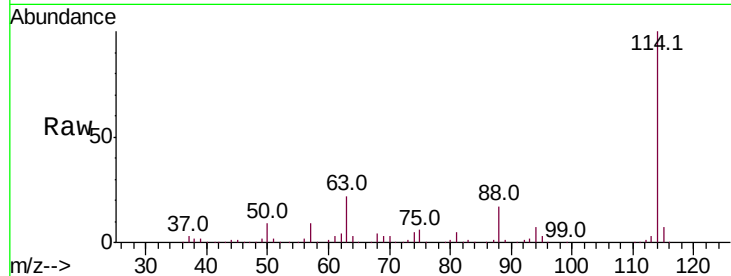
Tot Ion:114 Resp: 272847

Ion Ratio Lower Upper

114 100

63 22.4 0.0 37.4

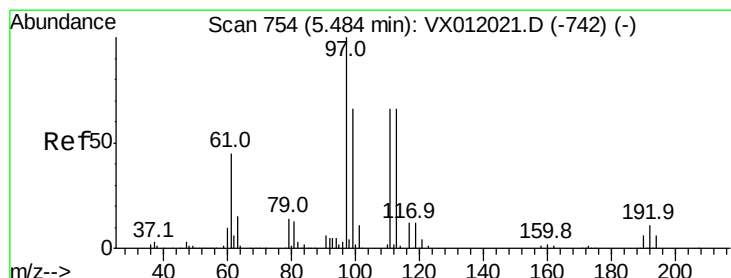
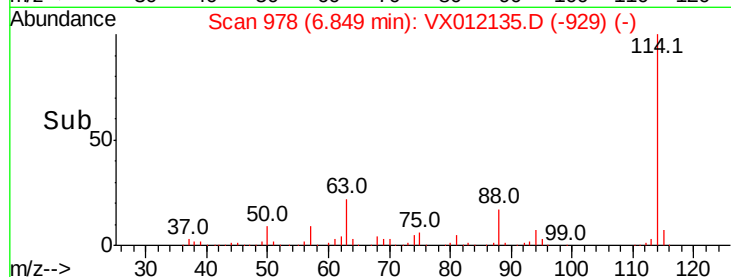
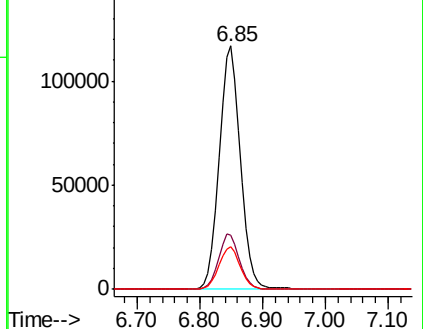
88 17.3 0.0 29.6



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: 48.078 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012135.D

Acq: 06 Sep 2019 08:27

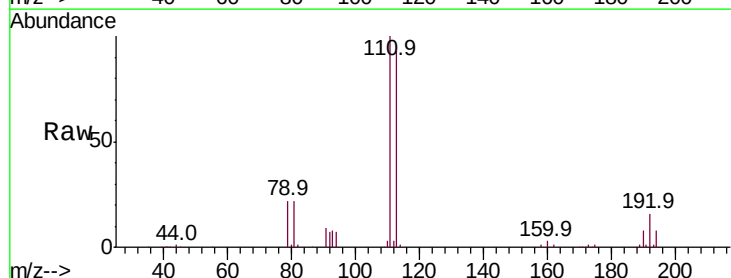
Tgt Ion:113 Resp: 80671

Ion Ratio Lower Upper

113 100

111 103.6 81.7 122.5

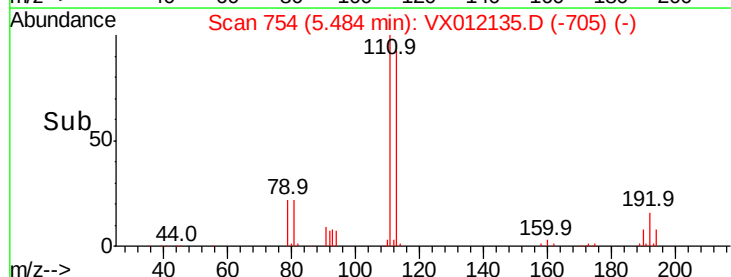
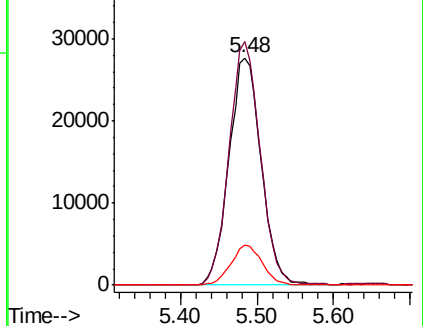
192 17.2 22.5 33.7#

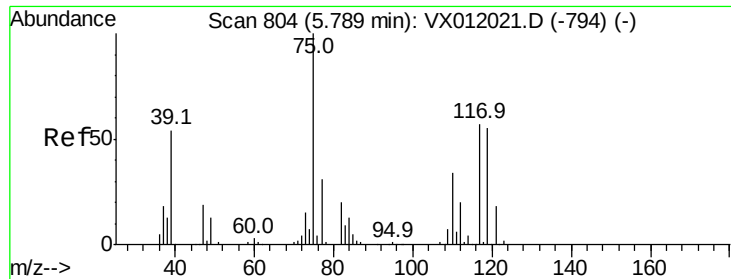


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

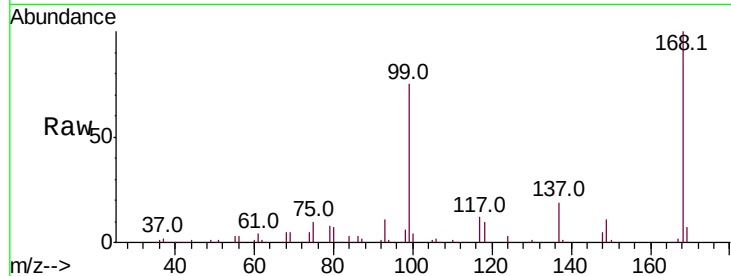




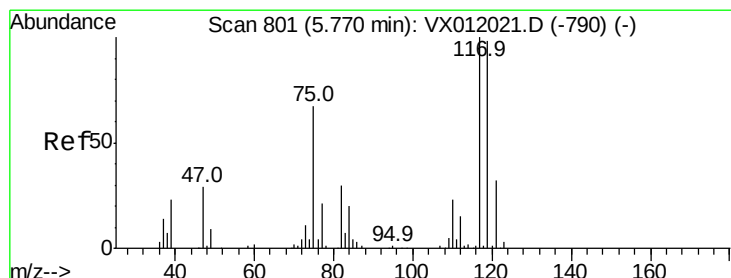
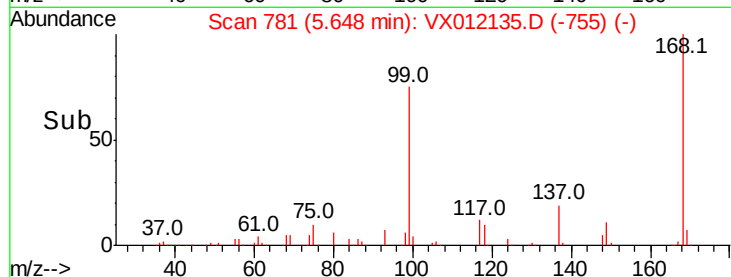
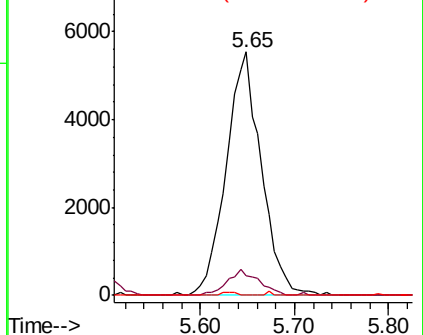
#36
 1,1-Dichloropropene
 Concen: 5.983 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012135.D
 Acq: 06 Sep 2019 08:27

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.6	19.5	58.5#
77	0.5	24.6	37.0#

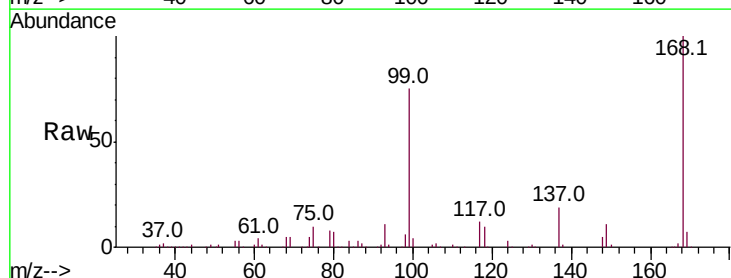


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

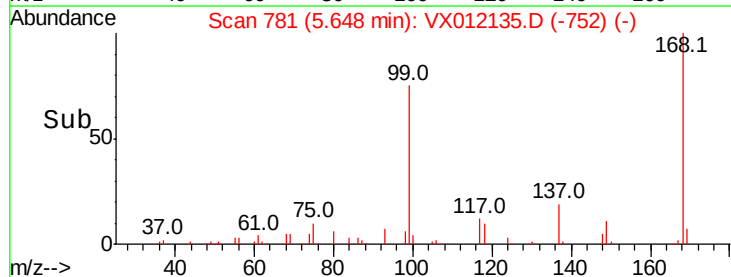
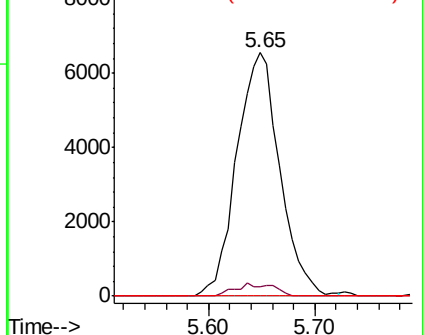


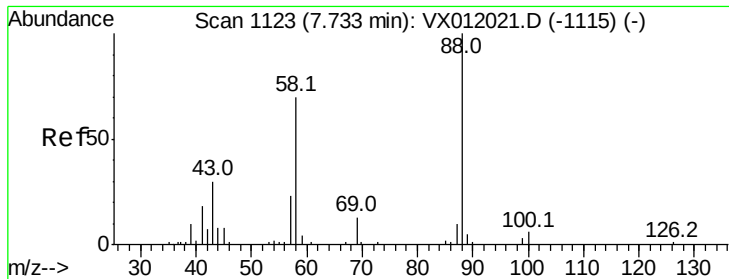
#38
 Carbon Tetrachloride
 Concen: 7.323 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012135.D
 Acq: 06 Sep 2019 08:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	78.3	117.5#
121	0.0	24.2	36.2#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

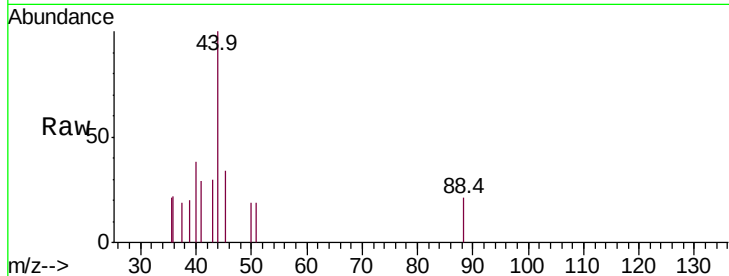




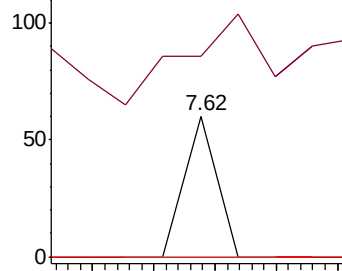
#49
1,4-Dioxane
Concen: 1.208 ug/l
RT: 7.62 min Scan# 1104
Delta R.T. -0.11 min
Lab File: VX012135.D
Acq: 06 Sep 2019 08:27

Instrument :
MSVOA_X
ClientSampled :

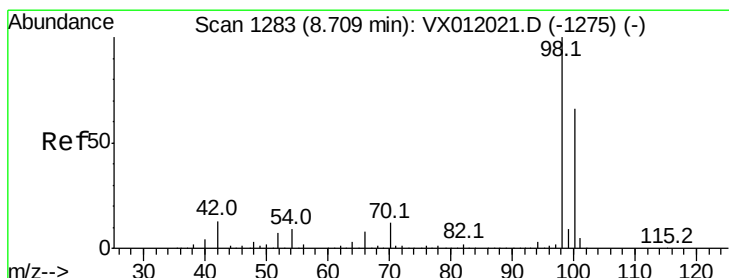
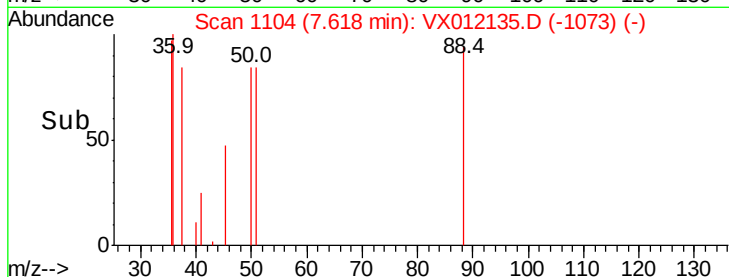
Tot Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 350.0 29.8 44.6#
58 0.0 55.4 83.2#



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

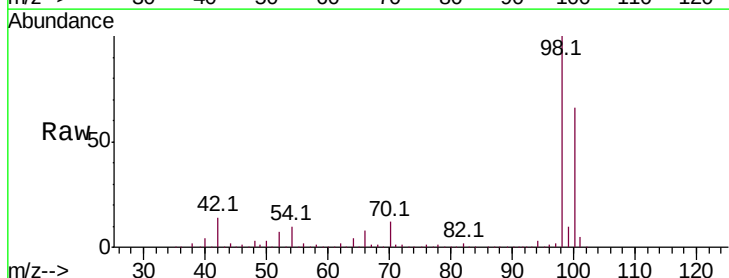


Time-->

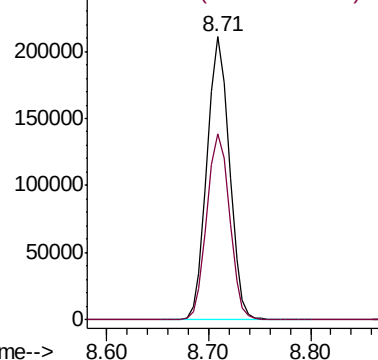


#50
Toluene-d8
Concen: 52.053 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012135.D
Acq: 06 Sep 2019 08:27

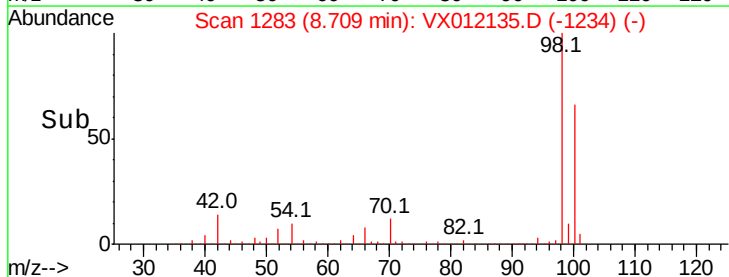
Tgt Ion: 98 Resp: 320504
Ion Ratio Lower Upper
98 100
100 67.0 53.3 79.9

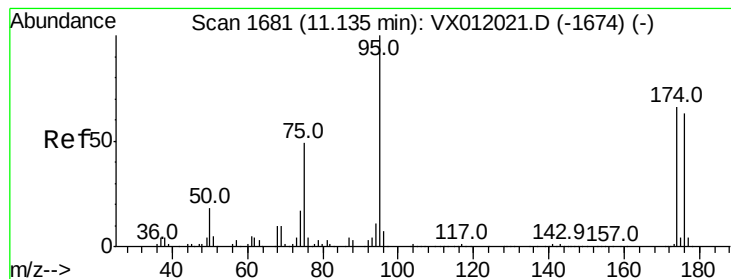


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0



Time-->





#62

4-Bromofluorobenzene

Concen: 43.798 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012135.D

Acq: 06 Sep 2019 08:27

Instrument :

MSVOA_X

ClientSampled :

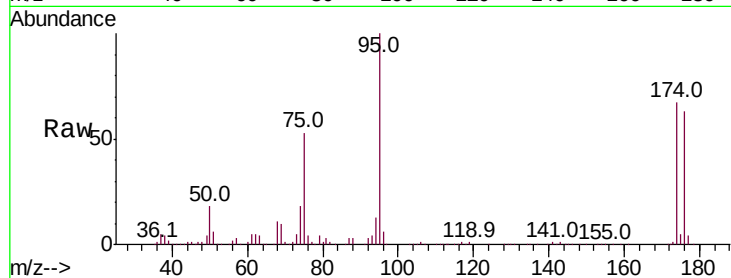
Tot Ion: 95 Resp: 125415

Ion Ratio Lower Upper

95 100

174 64.1 0.0 205.4

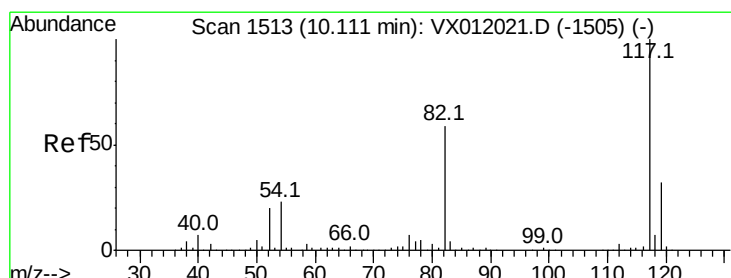
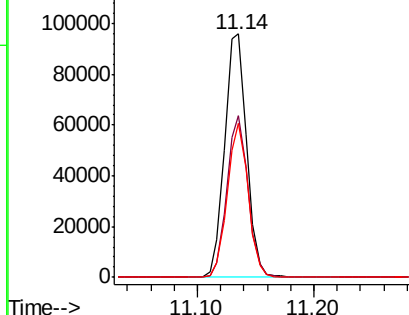
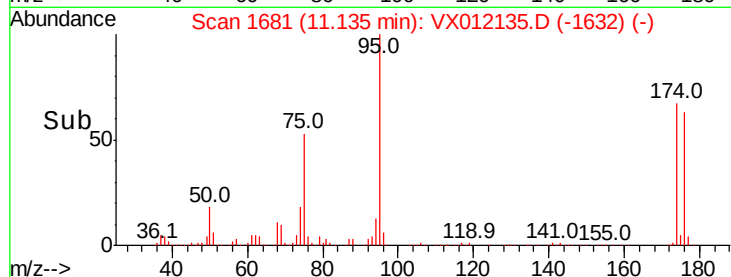
176 60.3 0.0 201.8



Abundance Ion 94.90 (94.60 to 95.60): VX012135.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX012135.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX012135.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012135.D

Acq: 06 Sep 2019 08:27

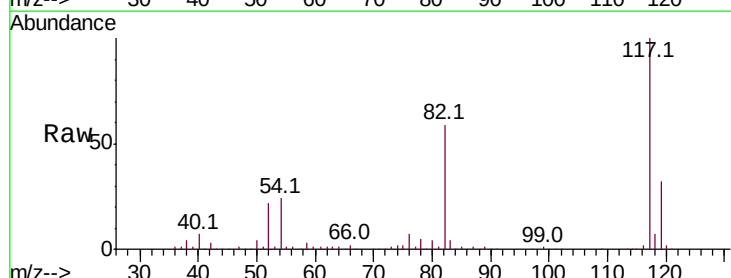
Tgt Ion: 117 Resp: 235777

Ion Ratio Lower Upper

117 100

82 59.3 39.4 59.0#

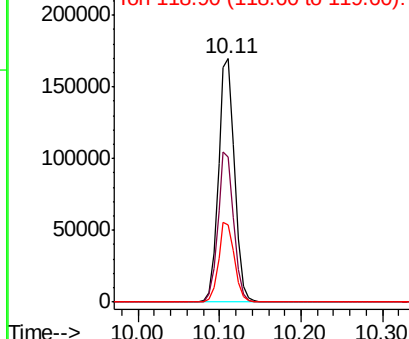
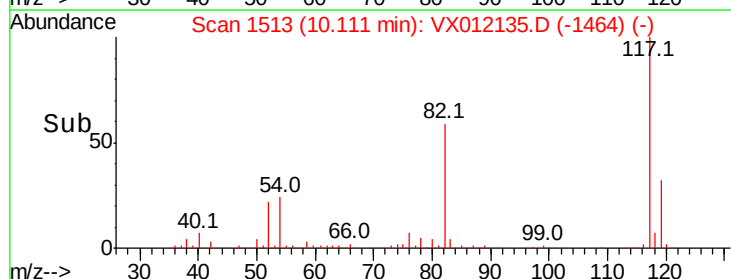
119 31.9 26.1 39.1

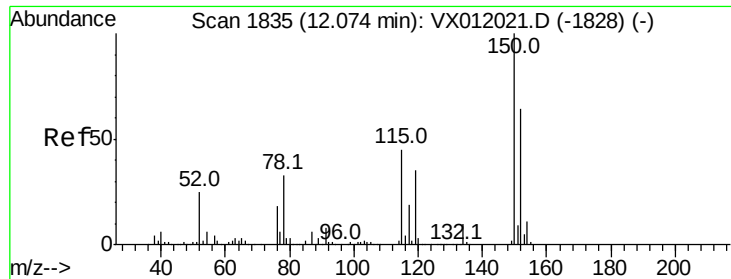


Abundance Ion 116.90 (116.60 to 117.60): VX012135.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012135.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012135.D (-1464) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012135.D

Acq: 06 Sep 2019 08:27

Instrument :

MSVOA_X

ClientSampleId :

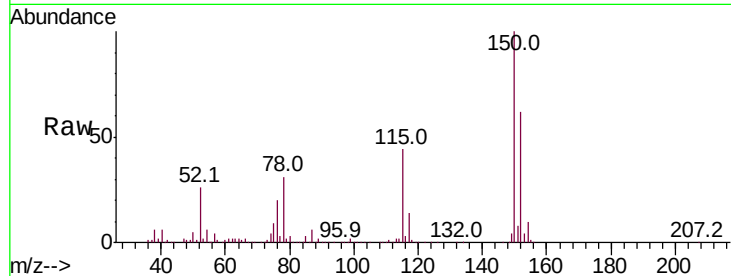
Tot Ion:152 Resp: 98507

Ion Ratio Lower Upper

152 100

115 67.0 36.4 109.3

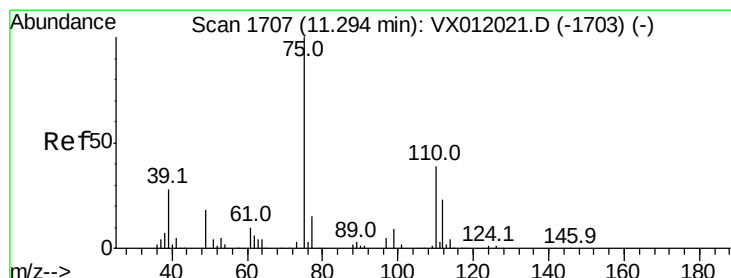
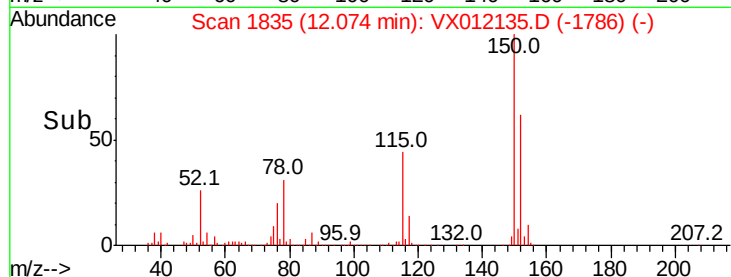
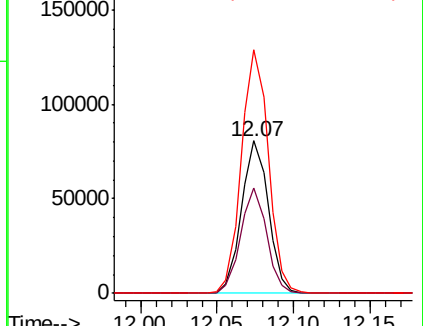
150 160.3 0.0 341.2



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: 54.640 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012135.D

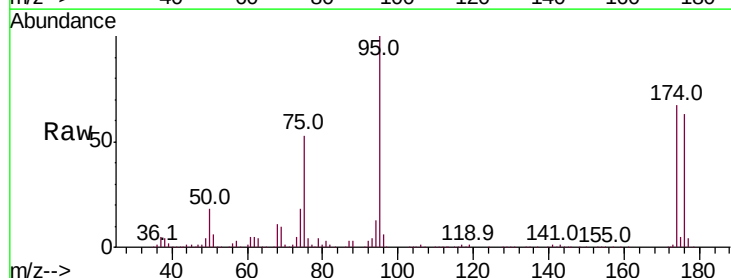
Acq: 06 Sep 2019 08:27

Tgt Ion: 75 Resp: 65765

Ion Ratio Lower Upper

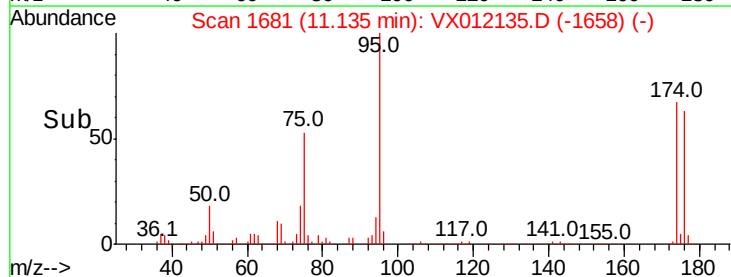
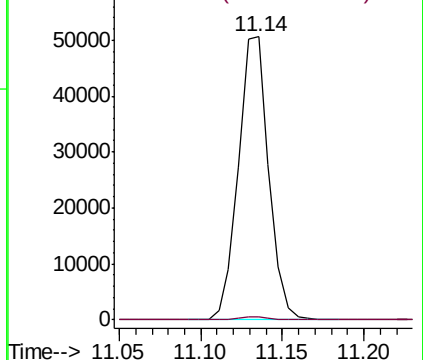
75 100

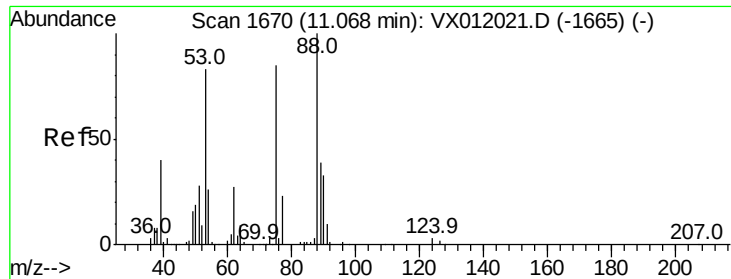
77 1.1 23.5 70.5#



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: 129.177 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.07 min
 Lab File: VX012135.D
 Acq: 06 Sep 2019 08:27

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 65765
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.6 117.8#
 89 0.0 38.8 58.2#

