

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090819\
 Data File : VX012233.D
 Acq On : 08 Sep 2019 19:56
 Operator : SY/SP
 Sample : K4622-18
 Misc : 5.78g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PAR-11-B4-(4)

Quant Time: Sep 09 01:51:50 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	140815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	239451	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	205528	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	85741	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	93353	48.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.10%	
35) Dibromofluoromethane	5.48	113	70744	48.04	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.08%	
50) Toluene-d8	8.71	98	281635	52.12	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.24%	
62) 4-Bromofluorobenzene	11.13	95	108157	43.04	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	86.08%	

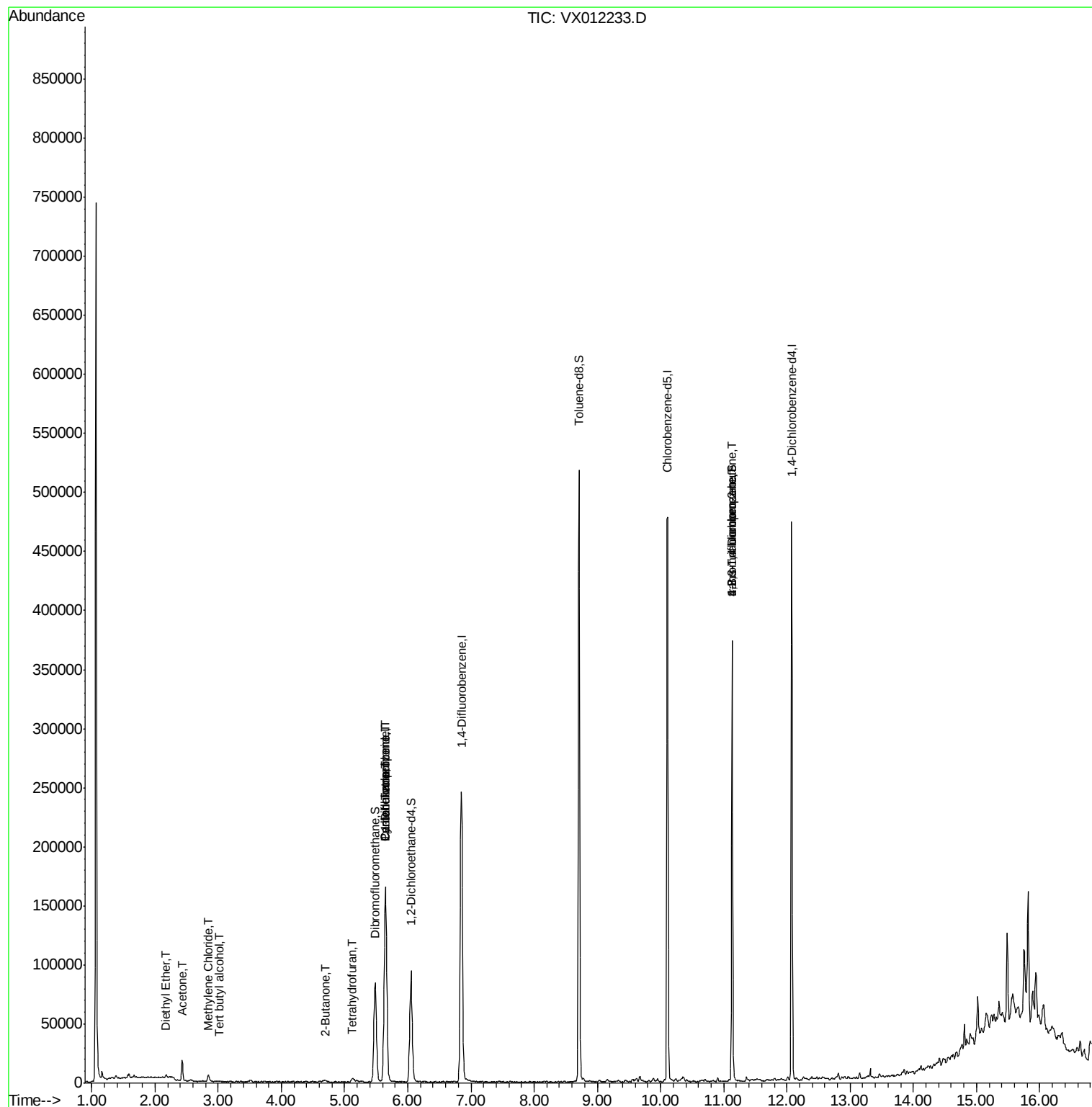
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	769	1.145	ug/l	99
11) Tert butyl alcohol	3.02	59	690	3.697	ug/l #	82
13) Acrolein	2.29	56	165	Below Cal	#	12
16) Acetone	2.43	43	18979	40.867	ug/l	98
20) Methylene Chloride	2.84	84	2777	1.489	ug/l	94
25) 2-Butanone	4.69	43	2046	3.461	ug/l	100
29) Tetrahydrofuran	5.13	42	3107	8.723	ug/l #	91
31) Cyclohexane	5.64	56	3870	1.625	ug/l #	8
36) 1,1-Dichloropropene	5.64	75	12771	6.056	ug/l #	48
38) Carbon Tetrachloride	5.64	117	16422	7.390	ug/l #	14
76) 1,2,3-Trichloropropane	11.13	75	56484	53.916	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.13	75	56484	127.466	ug/l #	10

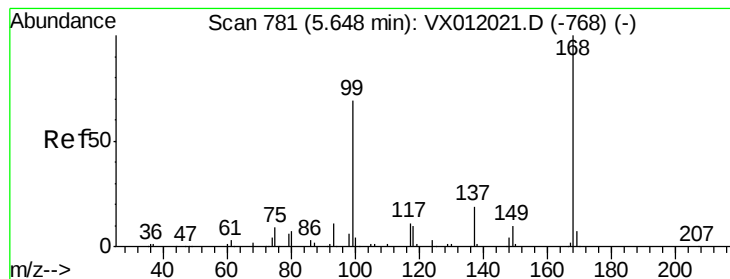
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012233.D

Acq: 08 Sep 2019 19:56

Instrument :

MSVOA_X

ClientSampleId :

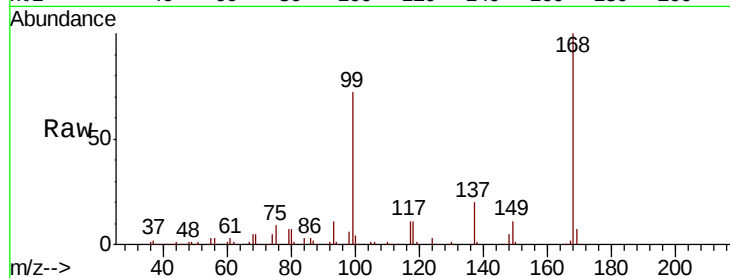
PAR-11-B4-(4)

Tgt Ion: 168 Resp: 140815

Ion Ratio Lower Upper

168 100

99 72.1 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

50000

40000

30000

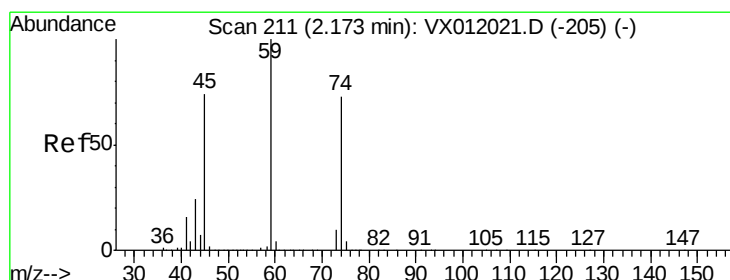
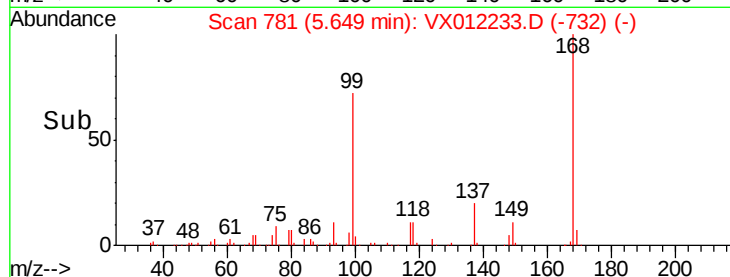
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.145 ug/l

RT: 2.17 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX012233.D

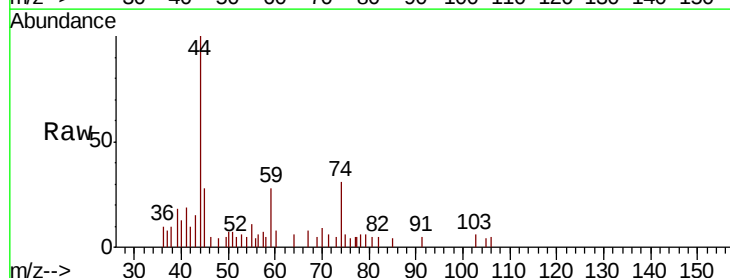
Acq: 08 Sep 2019 19:56

Tgt Ion: 74 Resp: 769

Ion Ratio Lower Upper

74 100

45 92.2 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.17

600

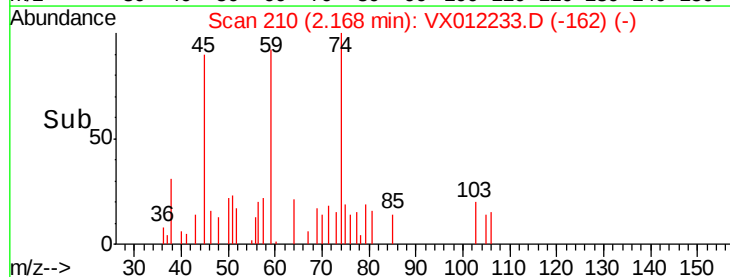
400

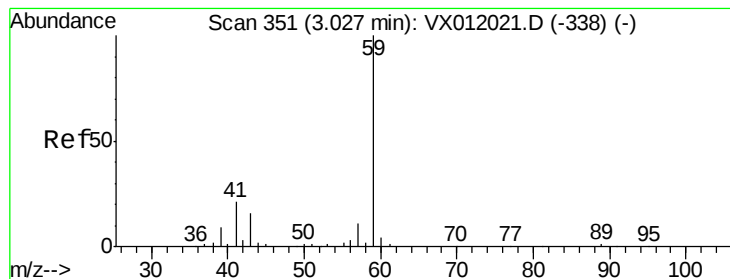
200

0

Time-->

2.10 2.15 2.20



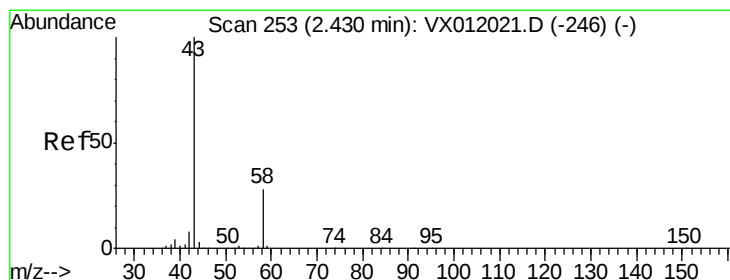
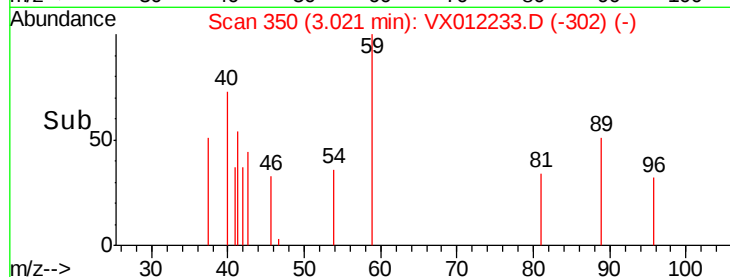
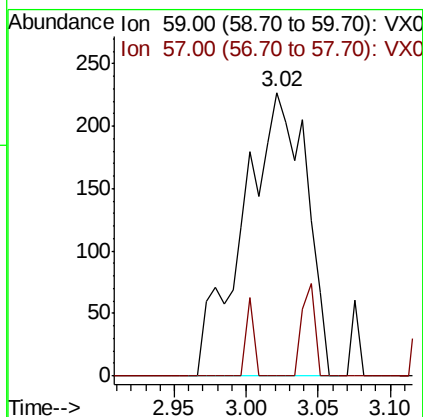
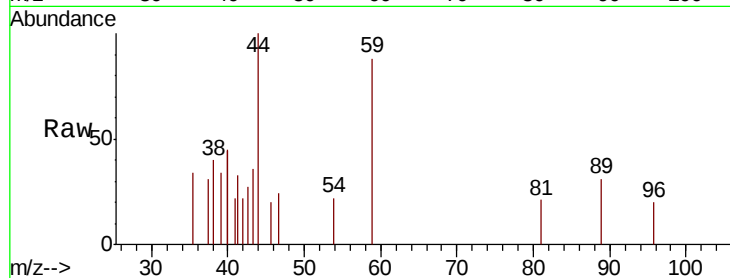


#11

Tert butyl alcohol
 Concen: 3.697 ug/l
 RT: 3.02 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VX012233.D
 Acq: 08 Sep 2019 19:56

Instrument :
 MSVOA_X
 ClientSampleId :
 PAR-11-B4-(4)

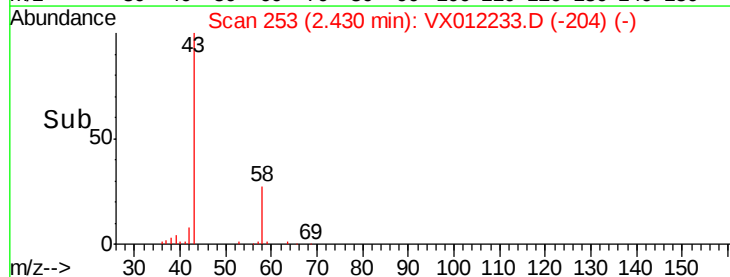
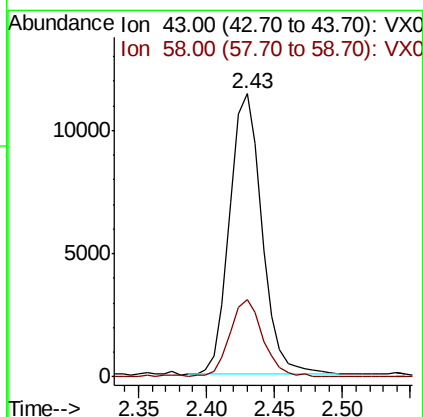
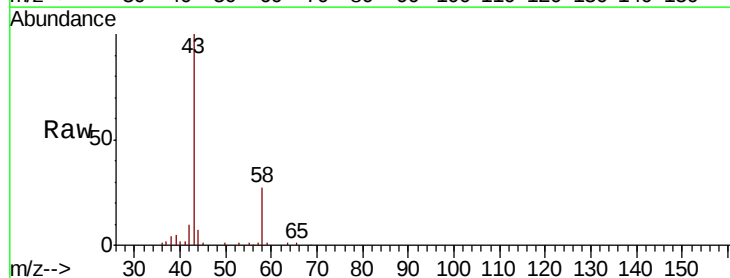
Tgt Ion: 59 Resp: 690
 Ion Ratio Lower Upper
 59 100
 57 3.3 7.9 11.9#

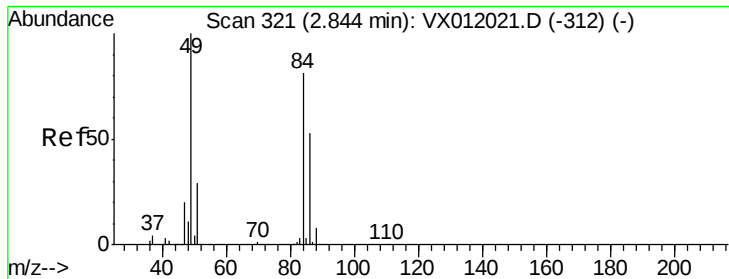


#16

Acetone
 Concen: 40.867 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.00 min
 Lab File: VX012233.D
 Acq: 08 Sep 2019 19:56

Tgt Ion: 43 Resp: 18979
 Ion Ratio Lower Upper
 43 100
 58 27.5 22.8 34.2

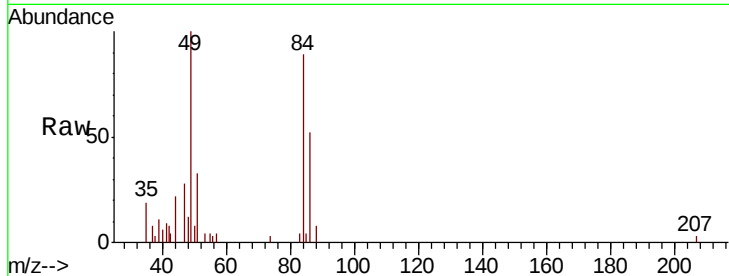




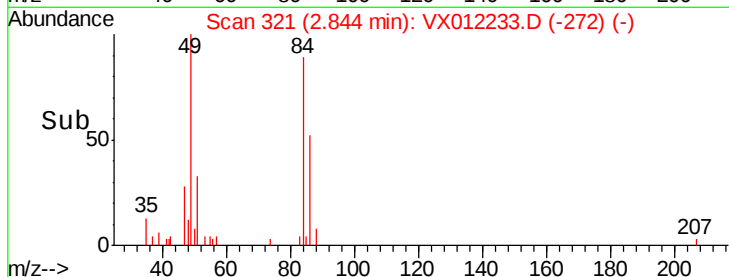
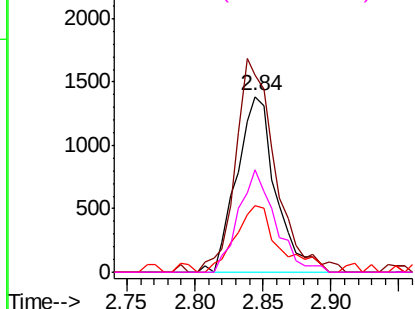
#20
Methylene Chloride
Concen: 1.489 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012233.D
Acq: 08 Sep 2019 19:56

Instrument :
MSVOA_X
ClientSampleId :
PAR-11-B4-(4)

Tgt Ion:	84	Resp:	2777
Ion	Ratio	Lower	Upper
84	100		
49	112.4	95.8	143.8
51	37.5	28.6	43.0
86	58.3	50.9	76.3

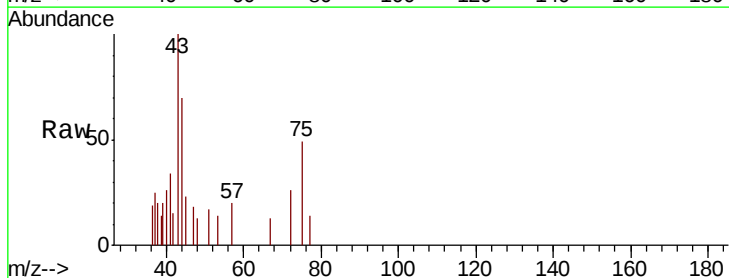
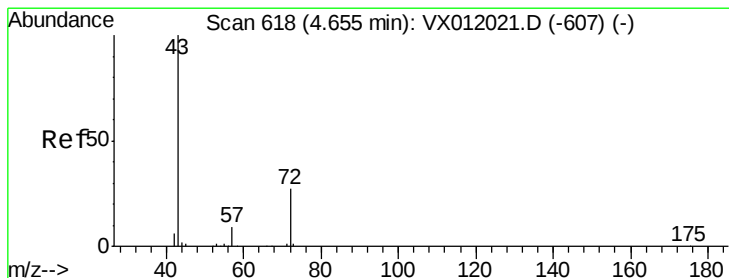


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

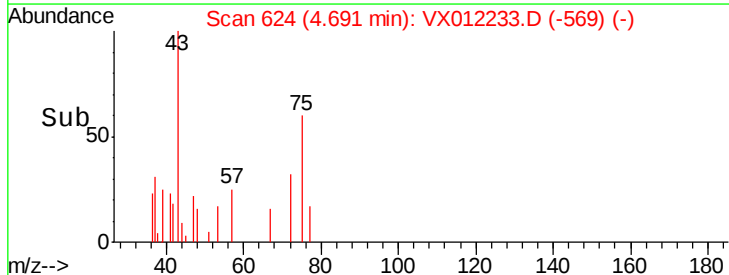
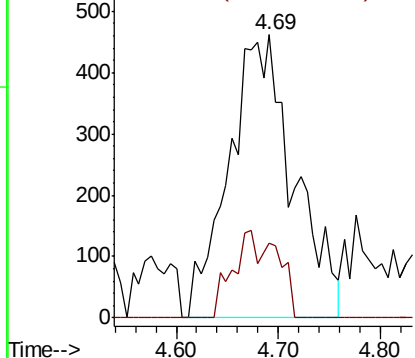


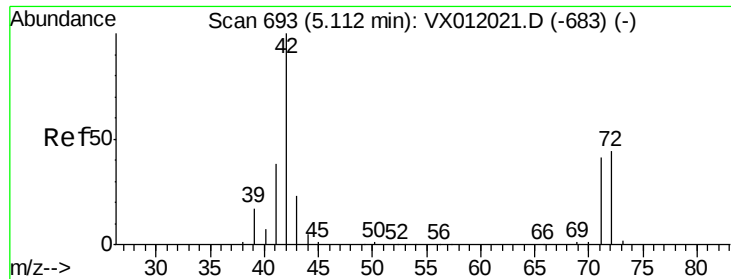
#25
2-Butanone
Concen: 3.461 ug/l
RT: 4.69 min Scan# 624
Delta R.T. 0.04 min
Lab File: VX012233.D
Acq: 08 Sep 2019 19:56

Tgt Ion:	43	Resp:	2046
Ion	Ratio	Lower	Upper
43	100		
72	26.4	21.3	31.9



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 8.723 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX012233.D

Acq: 08 Sep 2019 19:56

Instrument :

MSVOA_X

ClientSampleId :

PAR-11-B4-(4)

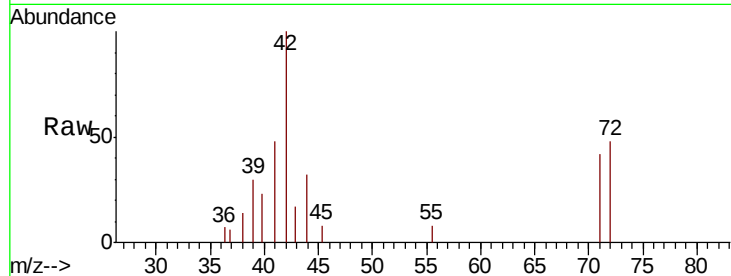
Tgt Ion: 42 Resp: 3107

Ion Ratio Lower Upper

42 100

72 36.7 37.0 55.4#

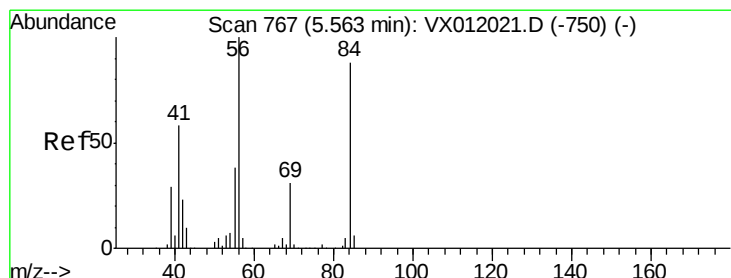
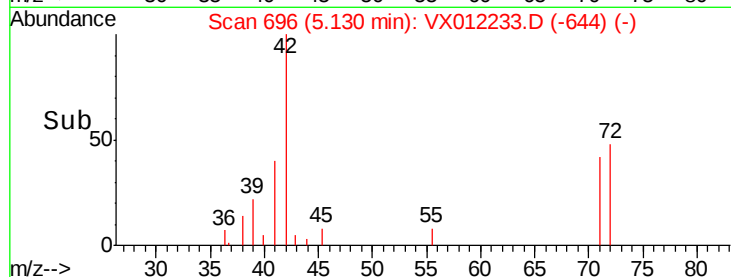
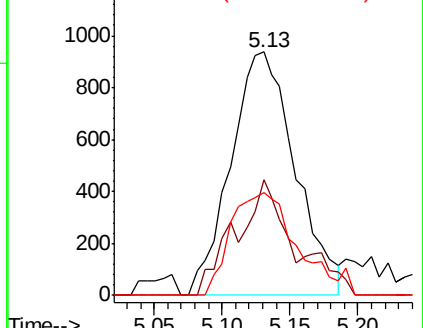
71 43.8 33.8 50.8



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: 1.625 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.08 min

Lab File: VX012233.D

Acq: 08 Sep 2019 19:56

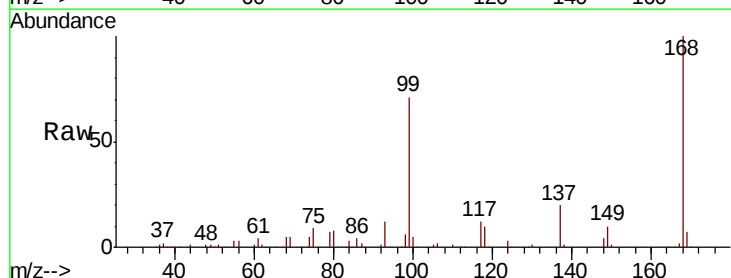
Tgt Ion: 56 Resp: 3870

Ion Ratio Lower Upper

56 100

69 186.5 25.7 38.5#

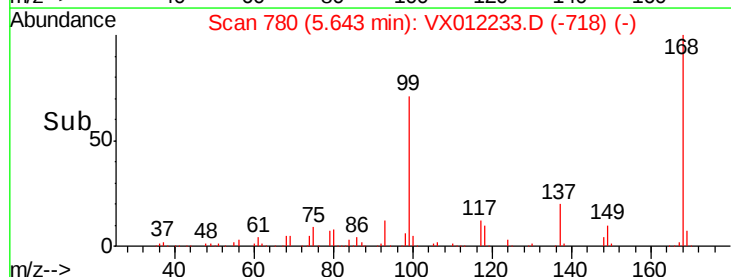
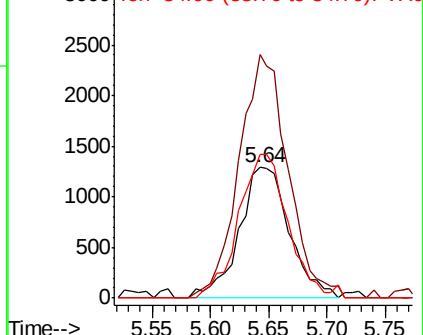
84 110.5 70.3 105.5#

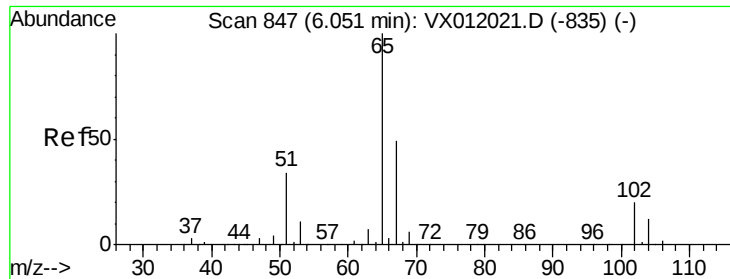


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

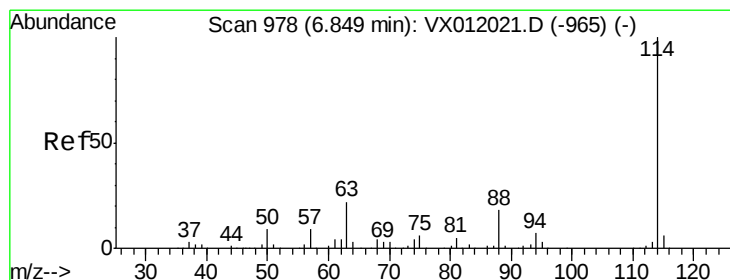
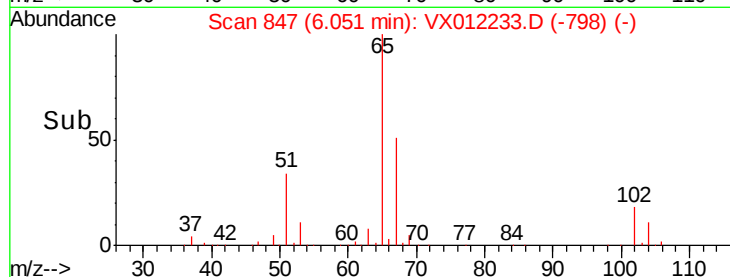
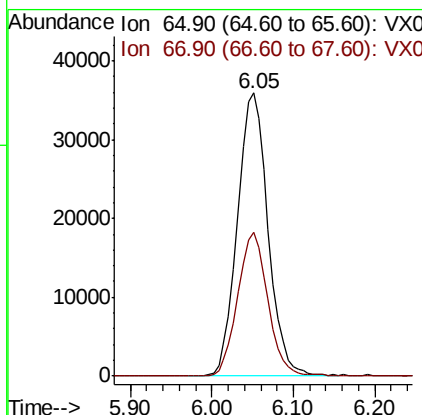
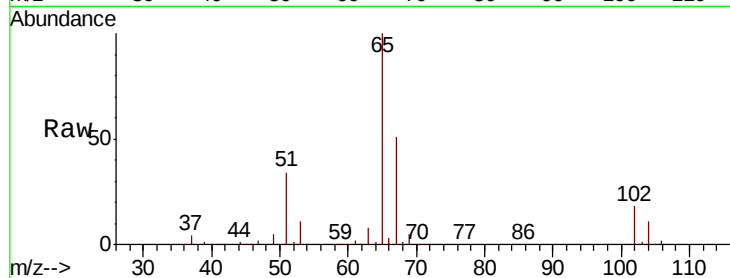




#33
 1,2-Dichloroethane-d4
 Concen: 48.047 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012233.D
 Acq: 08 Sep 2019 19:56

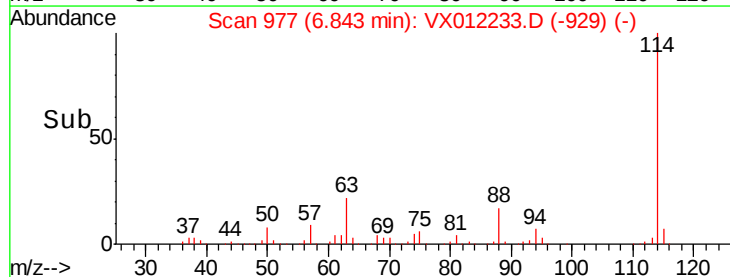
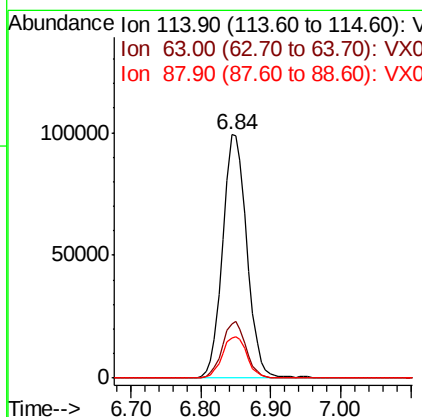
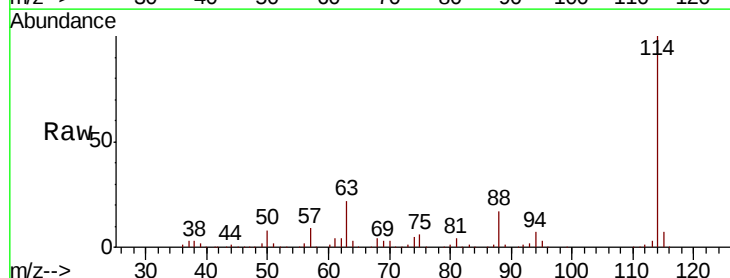
Instrument :
 MSVOA_X
 ClientSampleId :
 PAR-11-B4-(4)

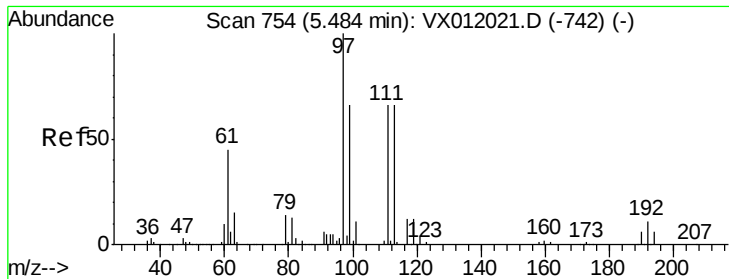
Tgt Ion: 65 Resp: 93353
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX012233.D
 Acq: 08 Sep 2019 19:56

Tgt Ion: 114 Resp: 239451
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 37.4
 88 16.7 0.0 29.6





#35

Dibromofluoromethane

Concen: 48.042 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012233.D

Acq: 08 Sep 2019 19:56

Instrument :

MSVOA_X

ClientSampleId :

PAR-11-B4-(4)

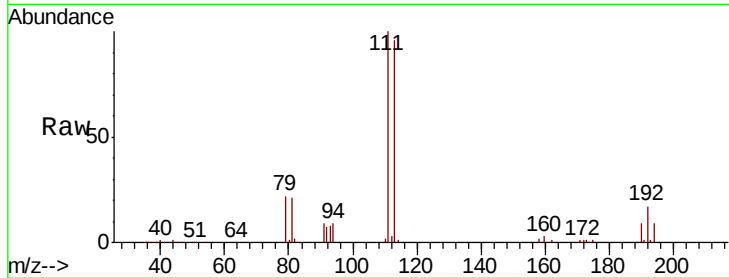
Tgt Ion:113 Resp: 70744

Ion Ratio Lower Upper

113 100

111 102.6 81.7 122.5

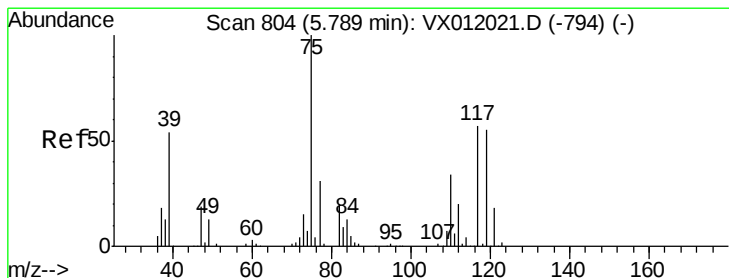
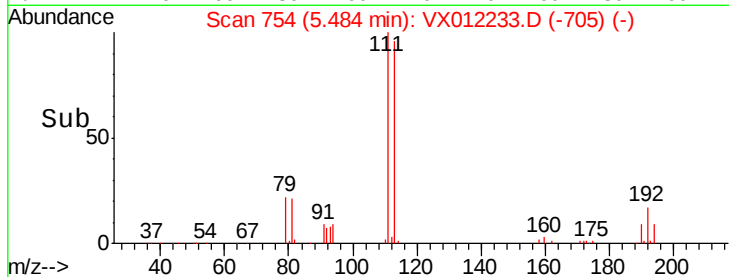
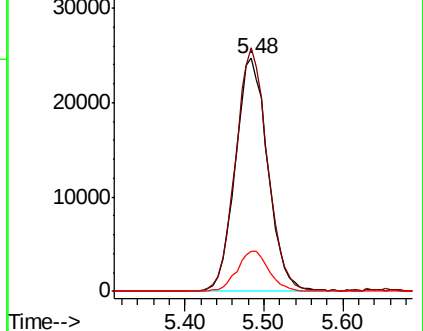
192 16.8 22.5 33.7#



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: 6.056 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012233.D

Acq: 08 Sep 2019 19:56

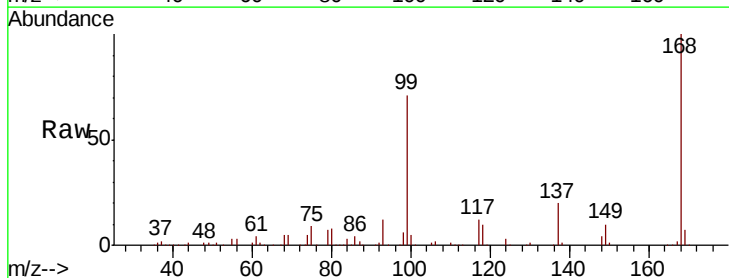
Tgt Ion: 75 Resp: 12771

Ion Ratio Lower Upper

75 100

110 9.5 19.5 58.5#

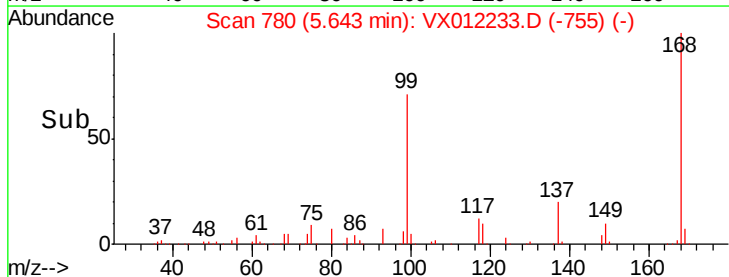
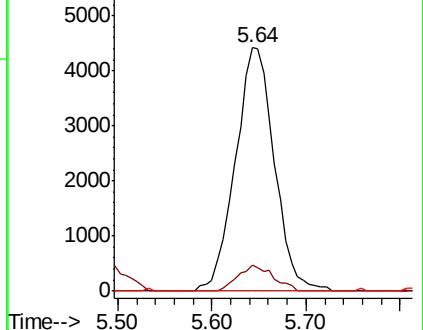
77 0.0 24.6 37.0#

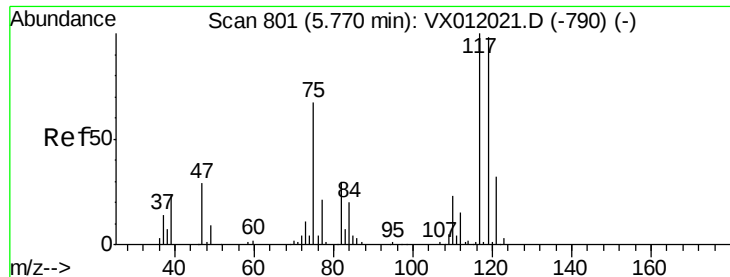


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

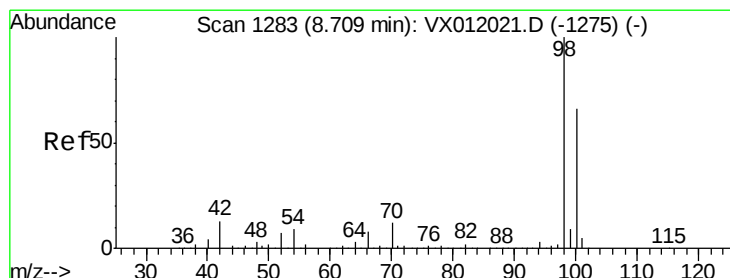
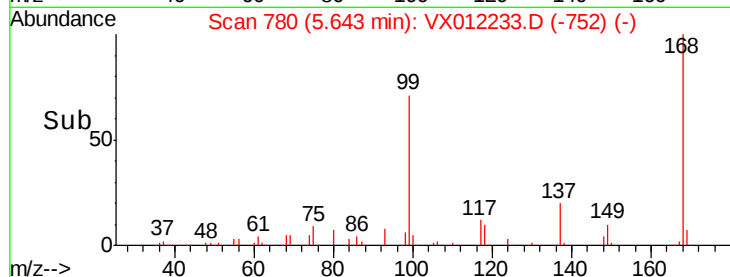
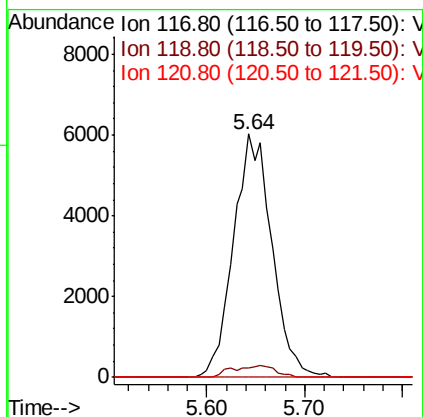
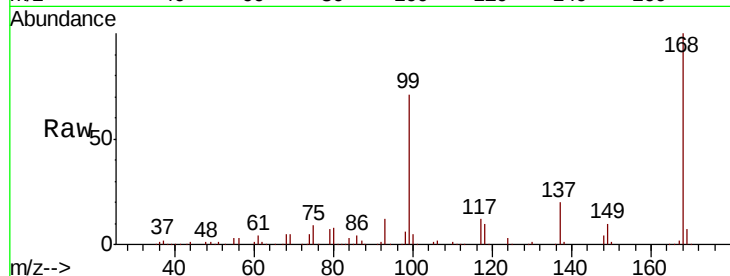




#38
Carbon Tetrachloride
Concen: 7.390 ug/l
RT: 5.64 min Scan# 780
Delta R.T. -0.13 min
Lab File: VX012233.D
Acq: 08 Sep 2019 19:56

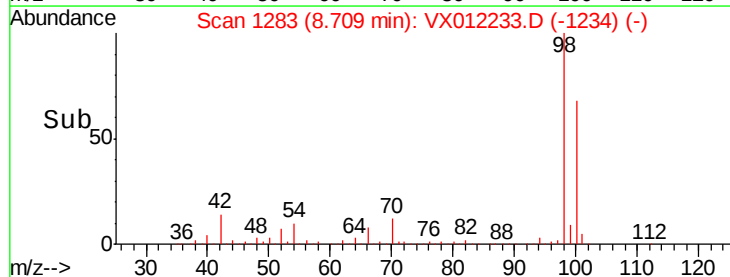
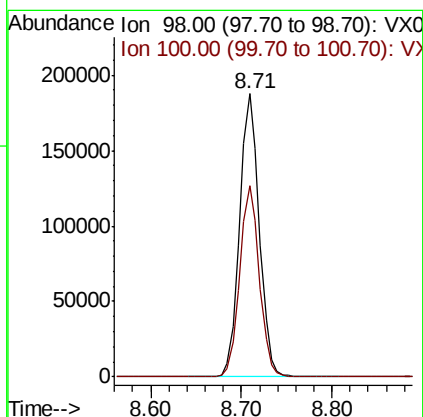
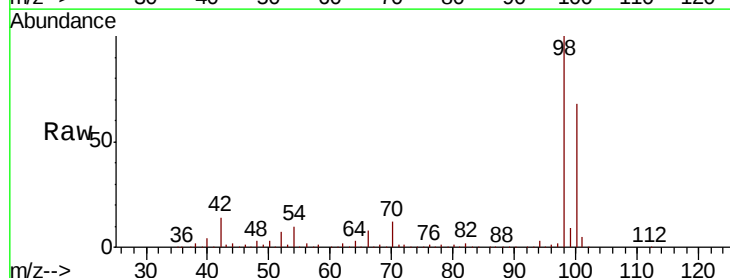
Instrument :
MSVOA_X
ClientSampleId :
PAR-11-B4-(4)

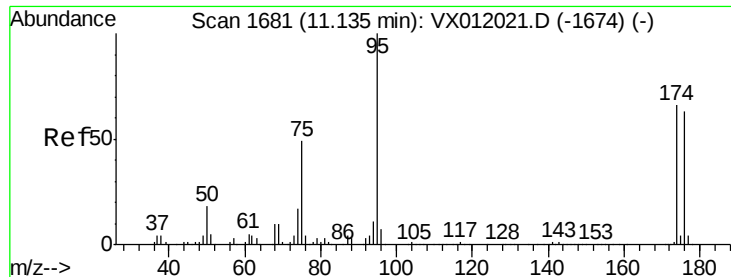
Tgt Ion:117 Resp: 16422
Ion Ratio Lower Upper
117 100
119 3.7 78.3 117.5#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 52.120 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012233.D
Acq: 08 Sep 2019 19:56

Tgt Ion: 98 Resp: 281635
Ion Ratio Lower Upper
98 100
100 67.2 53.3 79.9

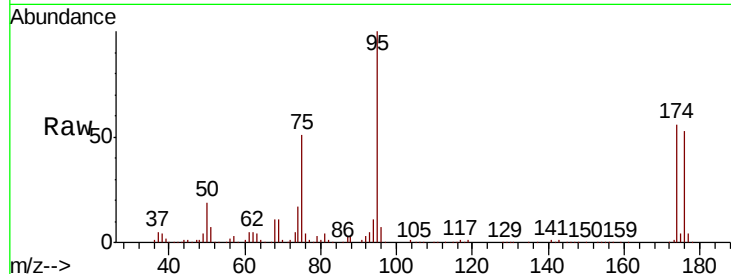




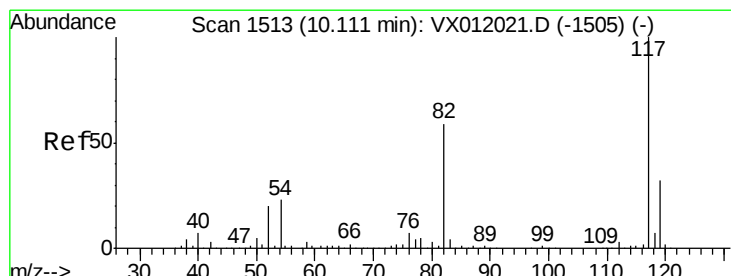
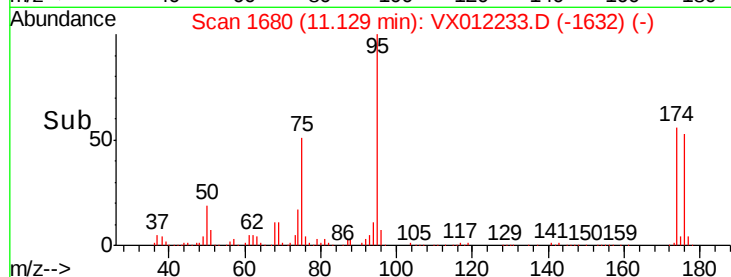
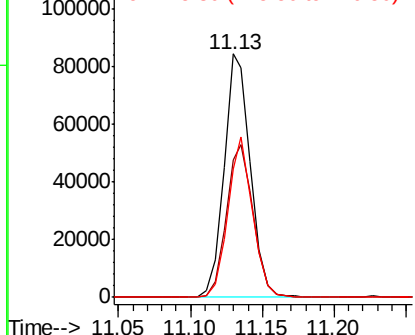
#62
4-Bromofluorobenzene
Concen: 43.039 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX012233.D
Acq: 08 Sep 2019 19:56

Instrument :
MSVOA_X
ClientSampleId :
PAR-11-B4-(4)

Tgt Ion: 95 Resp: 108157
Ion Ratio Lower Upper
95 100
174 64.0 0.0 205.4
176 62.2 0.0 201.8

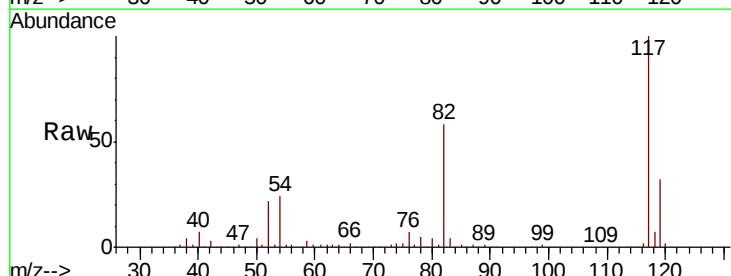


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

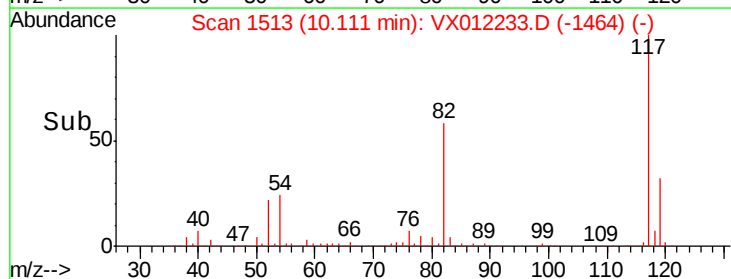
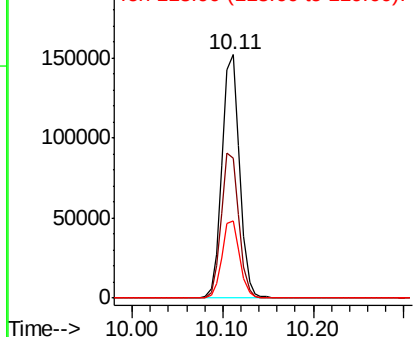


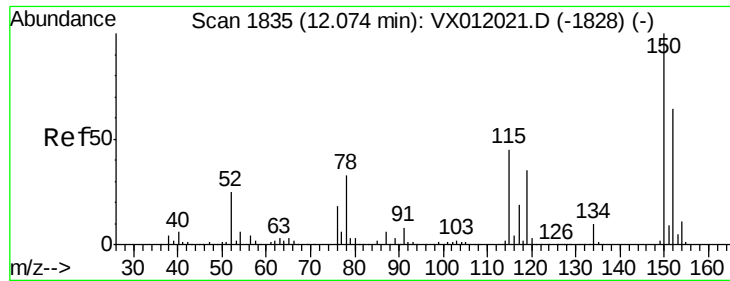
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012233.D
Acq: 08 Sep 2019 19:56

Tgt Ion: 117 Resp: 205528
Ion Ratio Lower Upper
117 100
82 57.6 39.4 59.0
119 31.9 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: VX012233.D

Acq: 08 Sep 2019 19:56

Instrument :

MSVOA_X

ClientSampleId :

PAR-11-B4-(4)

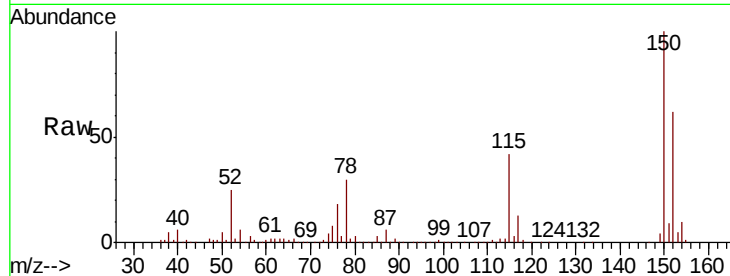
Tgt Ion:152 Resp: 85741

Ion Ratio Lower Upper

152 100

115 66.0 36.4 109.3

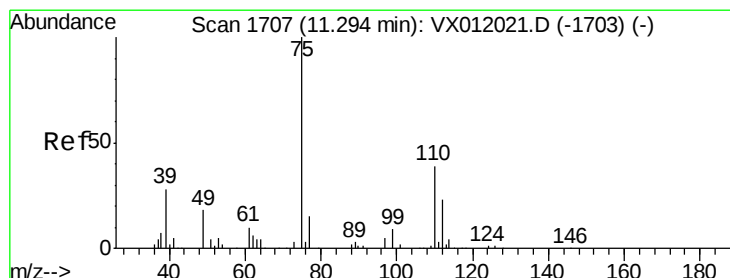
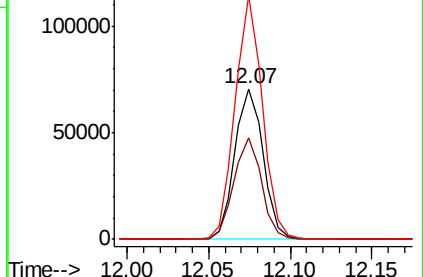
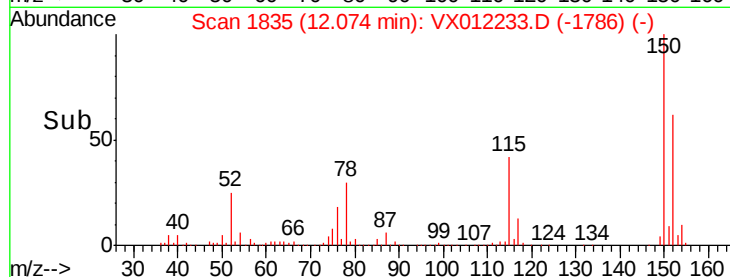
150 155.7 0.0 341.2



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: 53.916 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012233.D

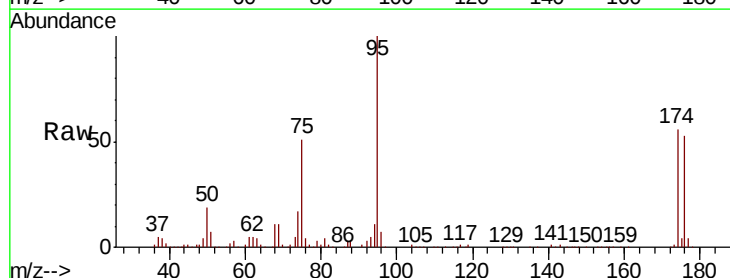
Acq: 08 Sep 2019 19:56

Tgt Ion: 75 Resp: 56484

Ion Ratio Lower Upper

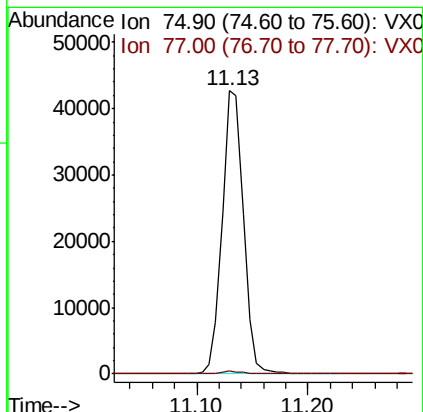
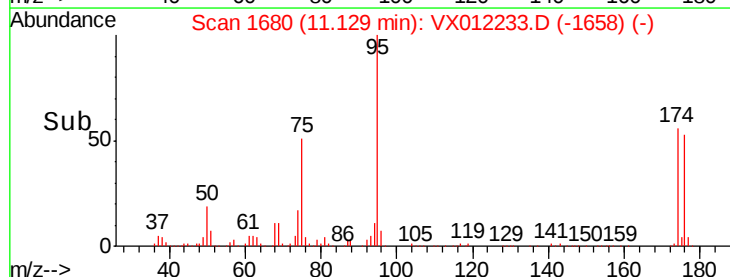
75 100

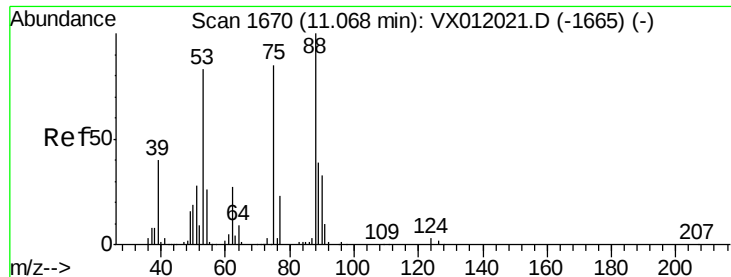
77 1.1 23.5 70.5#



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: 127.466 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012233.D

Acq: 08 Sep 2019 19:56

Instrument :

MSVOA_X

ClientSampleId :

PAR-11-B4-(4)

Tgt Ion: 75 Resp: 56484

Ion Ratio Lower Upper

75 100

53 0.2 78.6 117.8#

89 0.0 38.8 58.2#

