

Data File : VX012183.D
Acq On : 07 Sep 2019 18:27
Operator : SY/SP
Sample : K4602-12
Misc : 5.68g/5.0mL/MSVOA_X/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PAR-C4-(3.11)

Quant Time: Sep 08 07:44:19 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	145750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	251944	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	226287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	103221	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	101899	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
35) Dibromofluoromethane	5.48	113	76207	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
50) Toluene-d8	8.71	98	303638	53.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.82%	
62) 4-Bromofluorobenzene	11.13	95	124406	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	

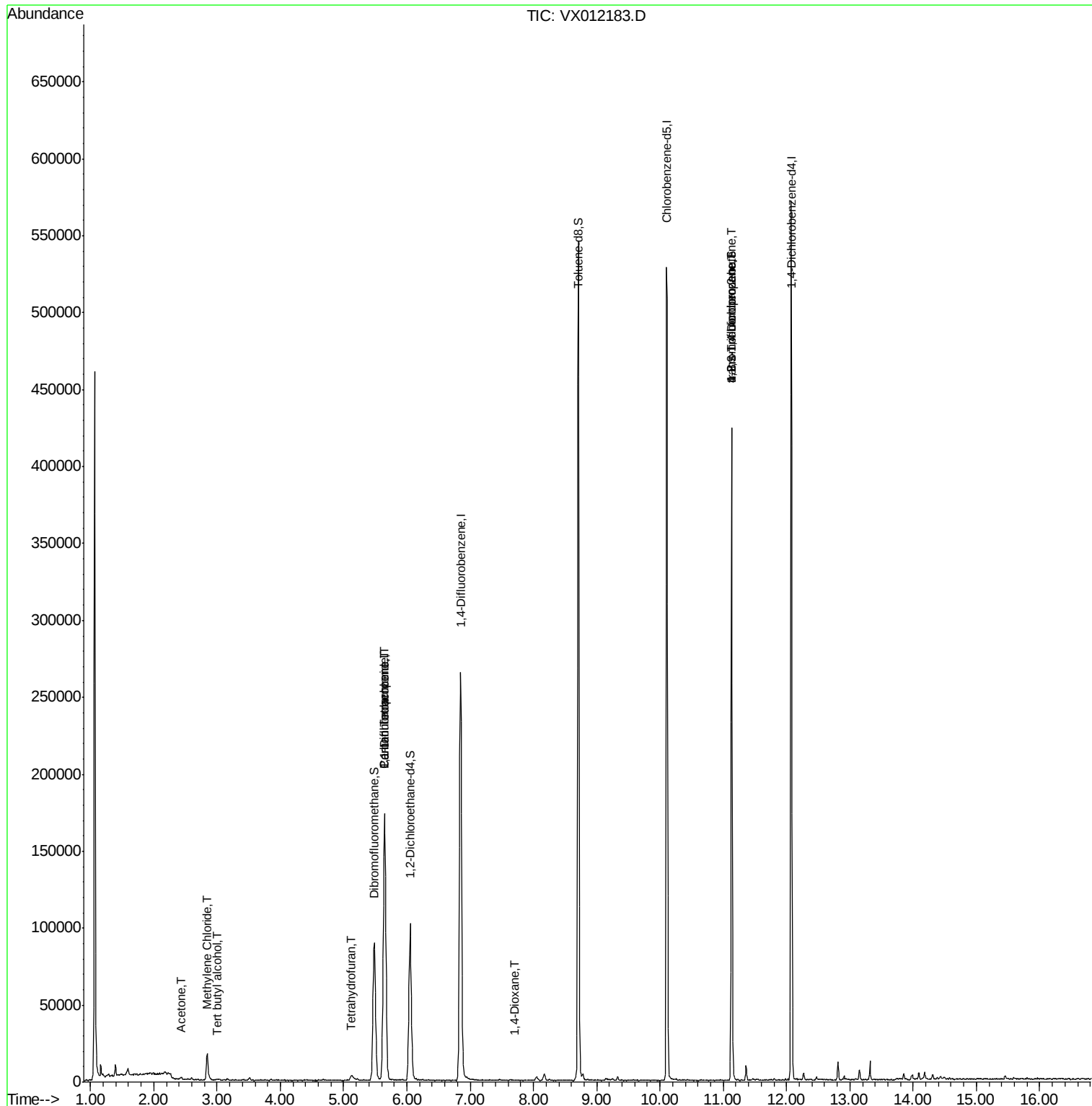
Target Compounds			Qvalue			
11) Tert butyl alcohol	3.01	59	425	2.200	ug/l #	87
13) Acrolein	2.25	56	44	Below Cal	#	12
16) Acetone	2.42	43	1397	2.906	ug/l #	88
20) Methylene Chloride	2.84	84	8080	4.186	ug/l	95
29) Tetrahydrofuran	5.13	42	3387	9.187	ug/l	93
36) 1,1-Dichloropropene	5.64	75	13405	6.041	ug/l #	49
38) Carbon Tetrachloride	5.65	117	17443	7.460	ug/l #	14
49) 1,4-Dioxane	7.70	88	21	1.249	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	66048	52.369	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.13	75	66048	123.809	ug/l #	10

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

Data File : VX012183.D
Acq On : 07 Sep 2019 18:27
Operator : SY/SP
Sample : K4602-12
Misc : 5.68g/5.0mL/MSVOA_X/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PAR-C4-(3.11)

Quant Time: Sep 08 07:44:19 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012183.D

Acq: 07 Sep 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

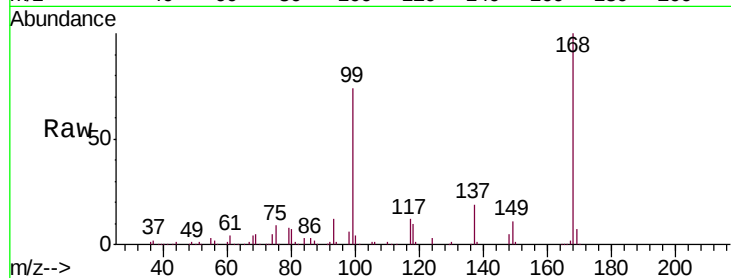
PAR-C4-(3.11)

Tgt Ion:168 Resp: 145750

Ion Ratio Lower Upper

168 100

99 74.2 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

60000

50000

40000

30000

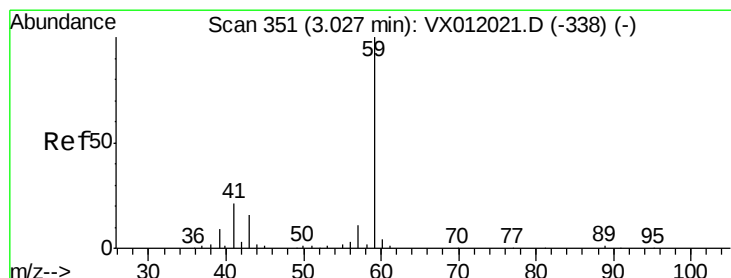
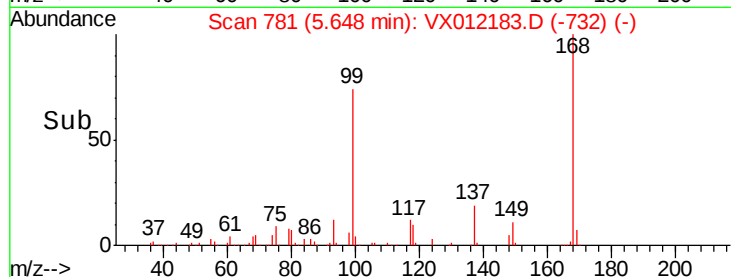
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 2.200 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.01 min

Lab File: VX012183.D

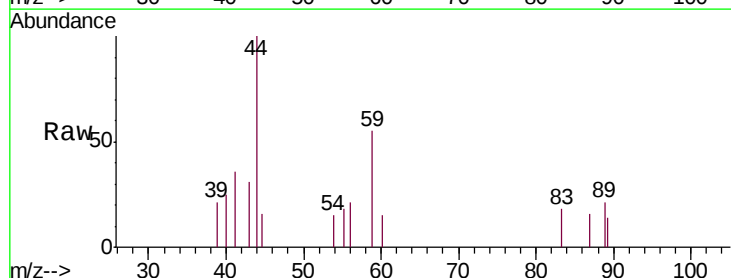
Acq: 07 Sep 2019 18:27

Tgt Ion: 59 Resp: 425

Ion Ratio Lower Upper

59 100

57 14.8 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

200

150

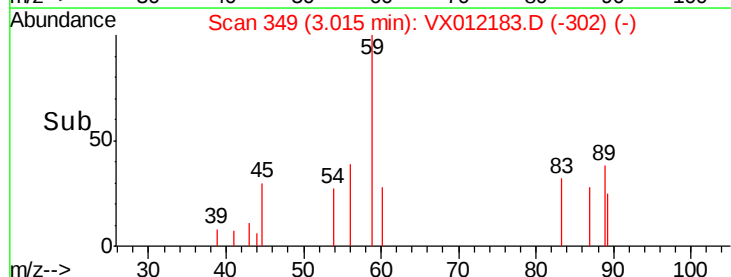
100

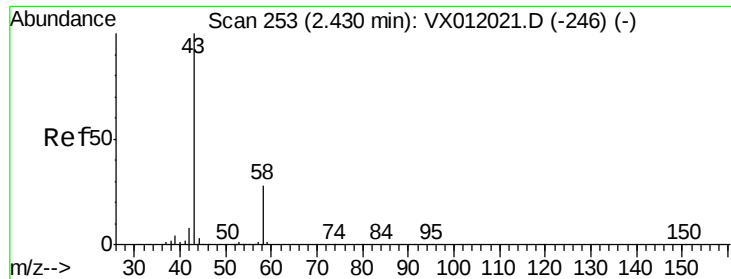
50

0

Time-->

2.96 2.98 3.00 3.02 3.04





#16

Acetone

Concen: 2.906 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.01 min

Lab File: VX012183.D

Acq: 07 Sep 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

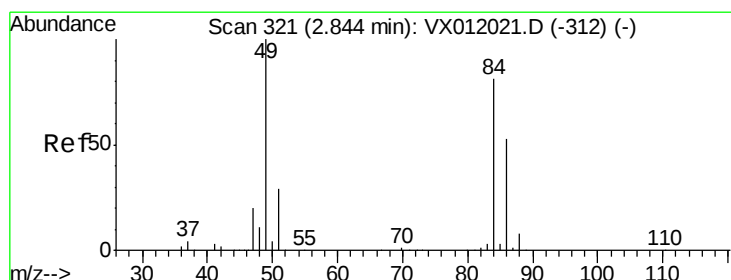
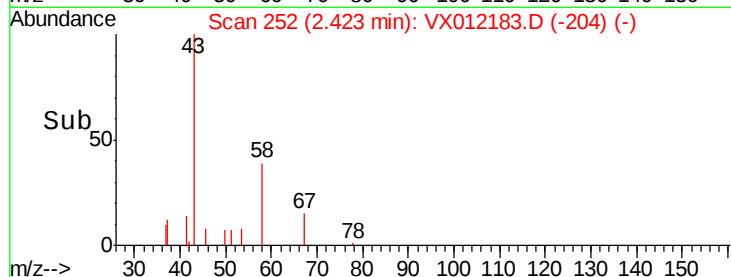
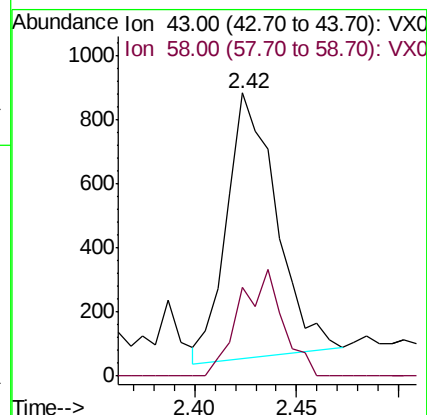
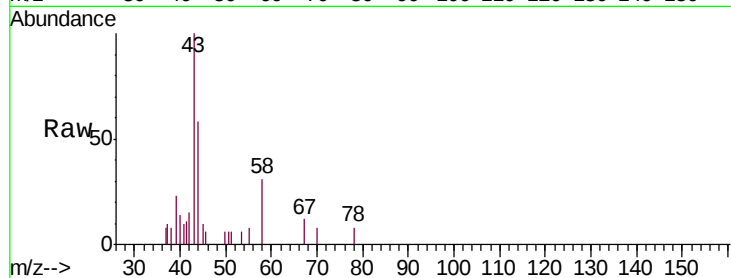
PAR-C4-(3.11)

Tgt Ion: 43 Resp: 1397

Ion Ratio Lower Upper

43 100

58 34.7 22.8 34.2#



#20

Methylene Chloride

Concen: 4.186 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012183.D

Acq: 07 Sep 2019 18:27

Tgt Ion: 84 Resp: 8080

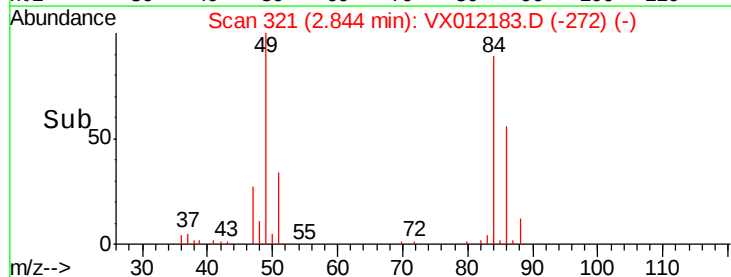
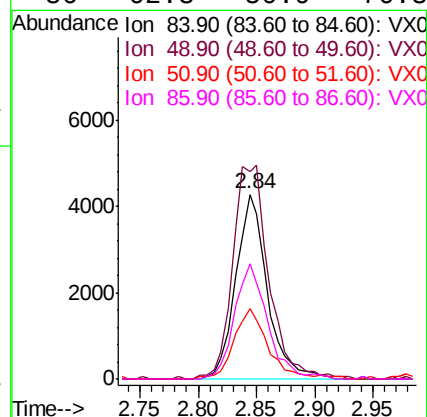
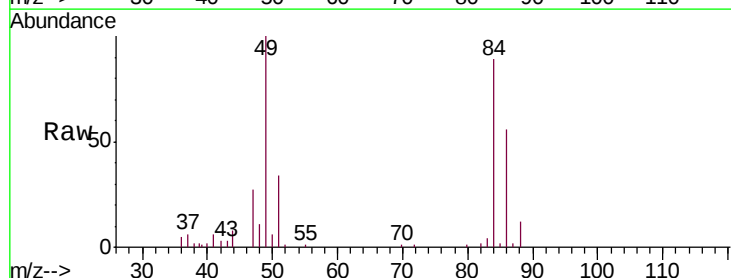
Ion Ratio Lower Upper

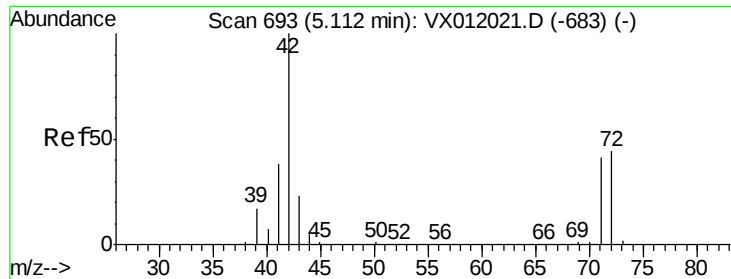
84 100

49 112.1 95.8 143.8

51 38.5 28.6 43.0

86 62.3 50.9 76.3

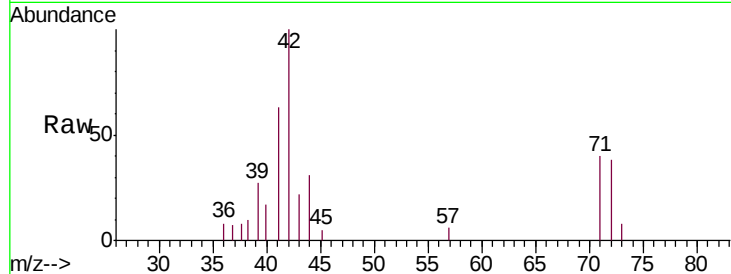




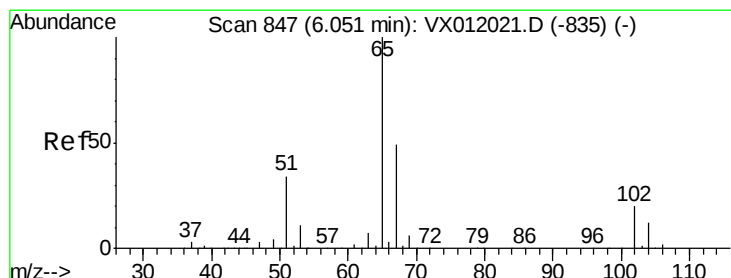
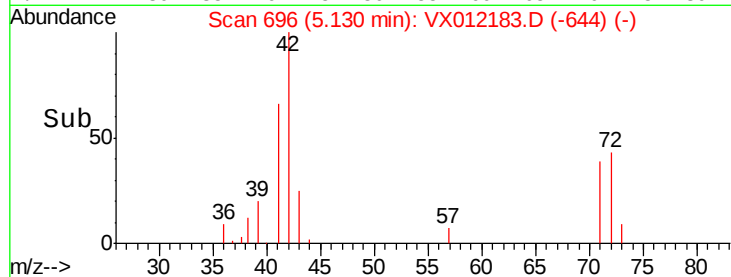
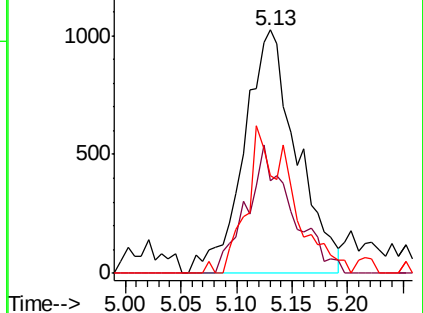
#29
Tetrahydrofuran
Concen: 9.187 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX012183.D
Acq: 07 Sep 2019 18:27

Instrument :
MSVOA_X
ClientSampleId :
PAR-C4-(3.11)

Tgt Ion: 42 Resp: 3387
Ion Ratio Lower Upper
42 100
72 44.7 37.0 55.4
71 49.7 33.8 50.8

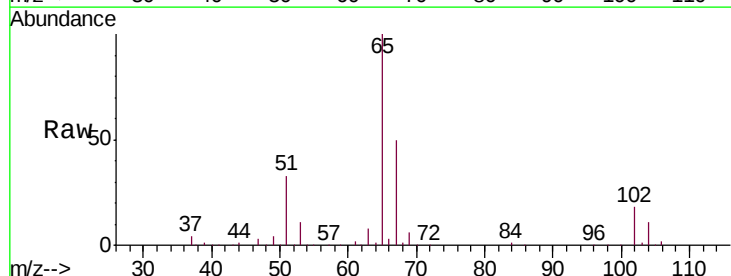


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

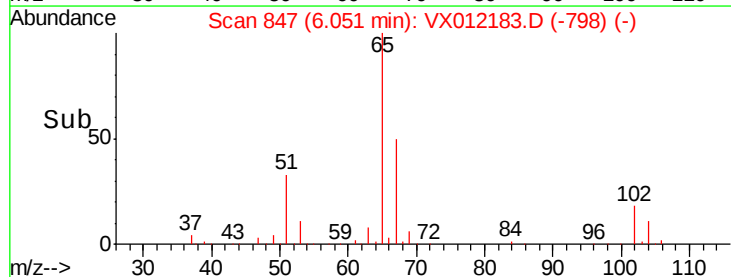
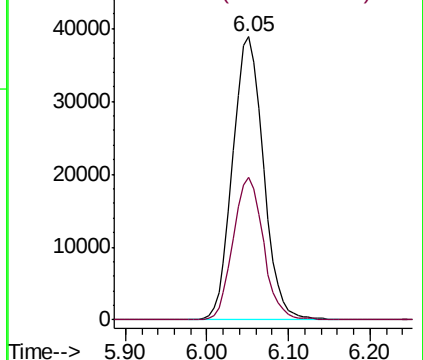


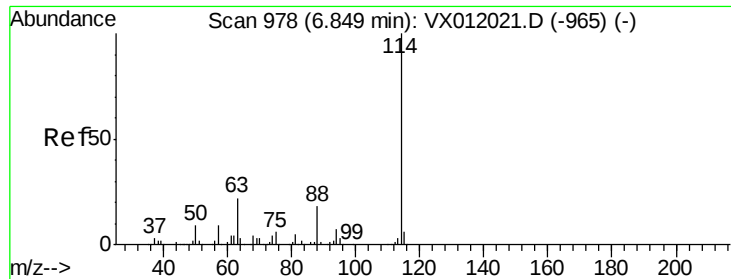
#33
1,2-Dichloroethane-d4
Concen: 50.669 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012183.D
Acq: 07 Sep 2019 18:27

Tgt Ion: 65 Resp: 101899
Ion Ratio Lower Upper
65 100
67 49.6 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: VX012183.D

Acq: 07 Sep 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

PAR-C4-(3.11)

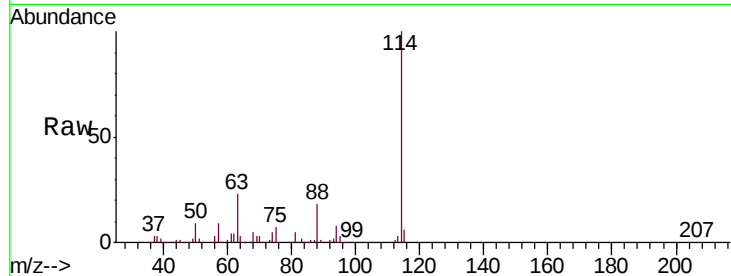
Tgt Ion:114 Resp: 251944

Ion Ratio Lower Upper

114 100

63 22.8 0.0 37.4

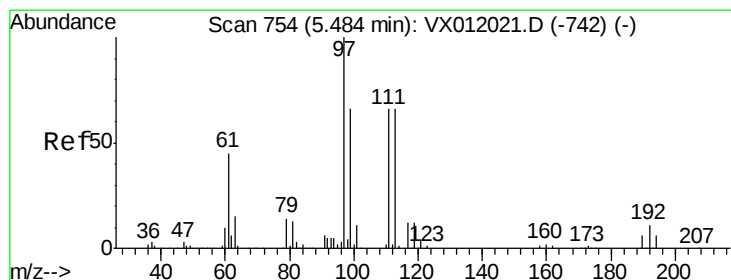
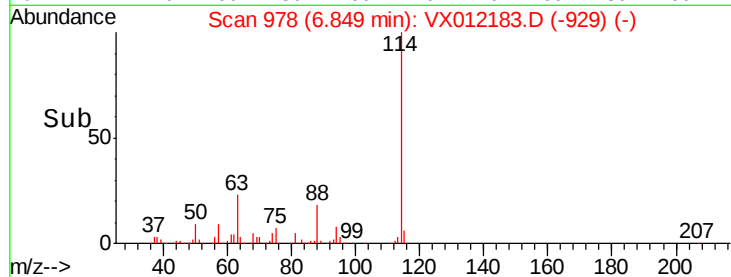
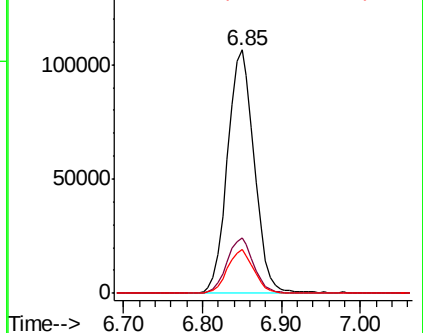
88 18.0 0.0 29.6



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: 49.185 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012183.D

Acq: 07 Sep 2019 18:27

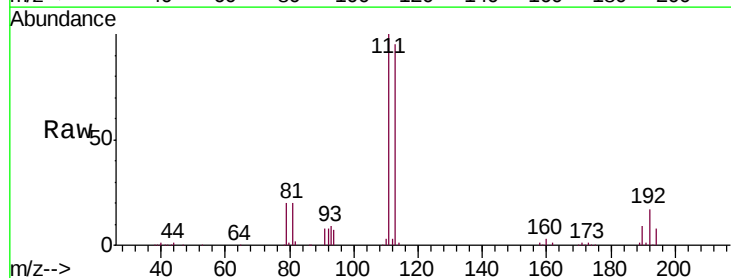
Tgt Ion:113 Resp: 76207

Ion Ratio Lower Upper

113 100

111 102.8 81.7 122.5

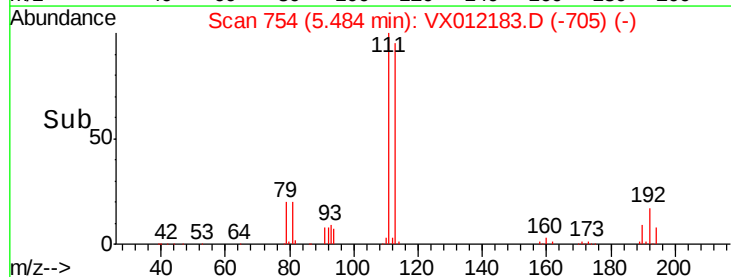
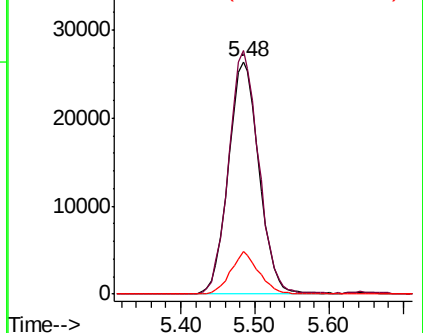
192 16.6 22.5 33.7#

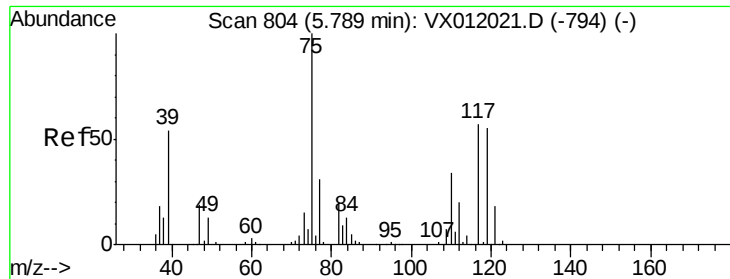


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

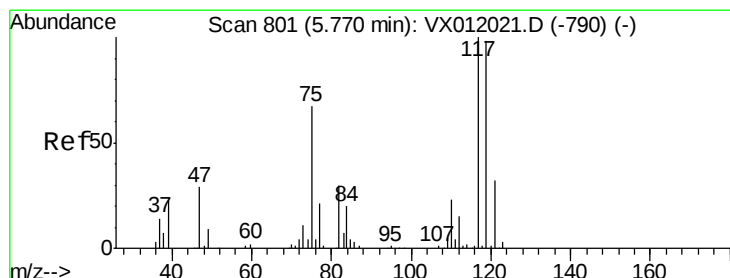
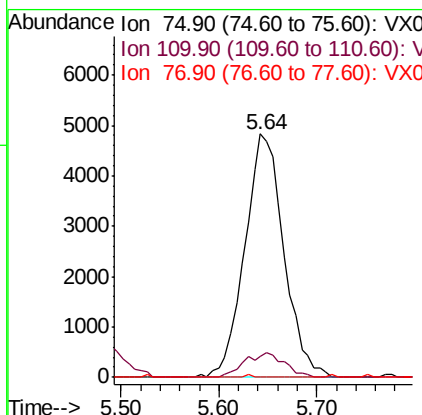
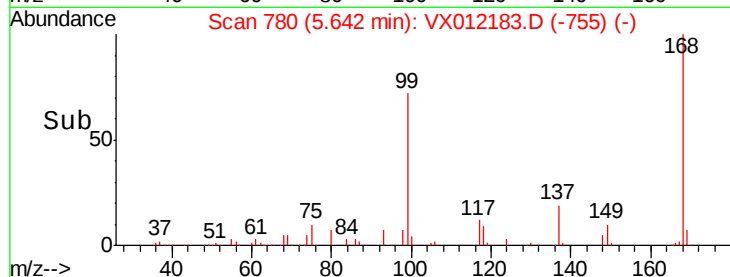
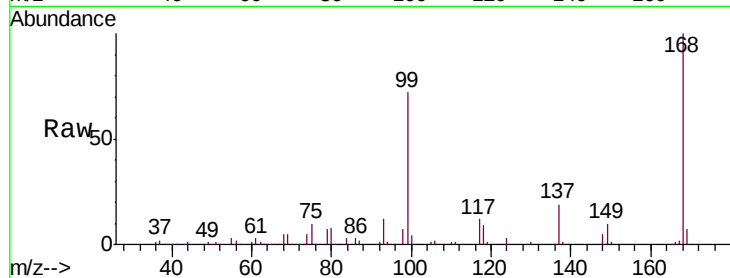




#36
 1,1-Dichloropropene
 Concen: 6.041 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012183.D
 Acq: 07 Sep 2019 18:27

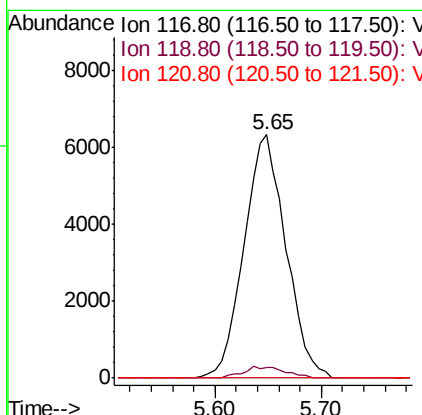
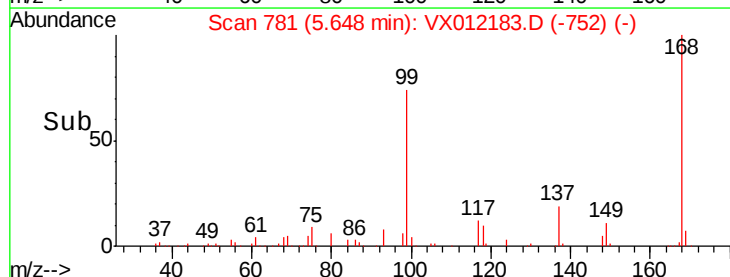
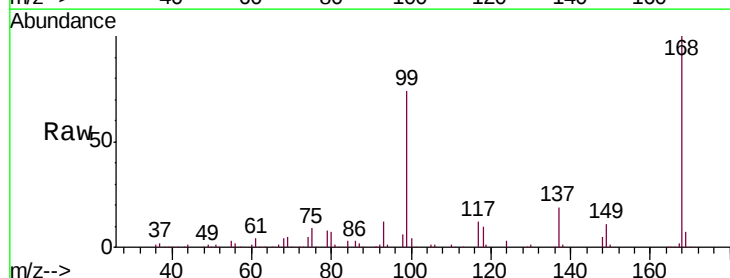
Instrument :
 MSVOA_X
 ClientSampleId :
 PAR-C4-(3.11)

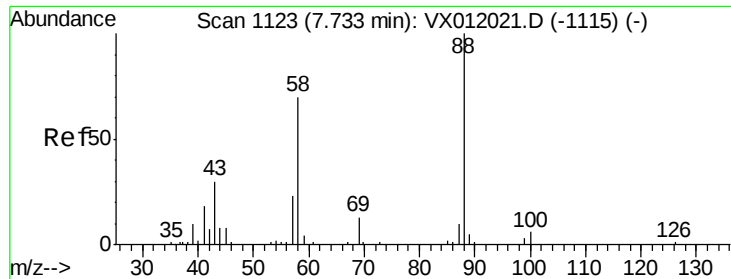
Tgt Ion: 75 Resp: 13405
 Ion Ratio Lower Upper
 75 100
 110 10.3 19.5 58.5#
 77 0.2 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 7.460 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012183.D
 Acq: 07 Sep 2019 18:27

Tgt Ion: 117 Resp: 17443
 Ion Ratio Lower Upper
 117 100
 119 4.2 78.3 117.5#
 121 0.0 24.2 36.2#

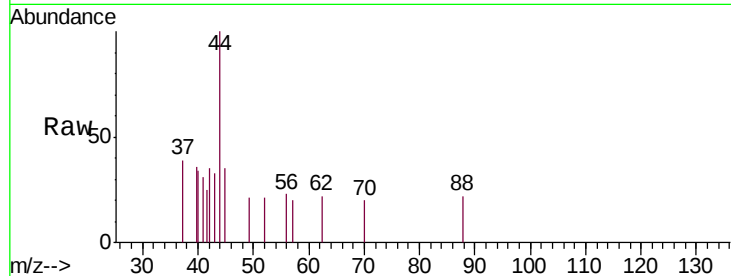




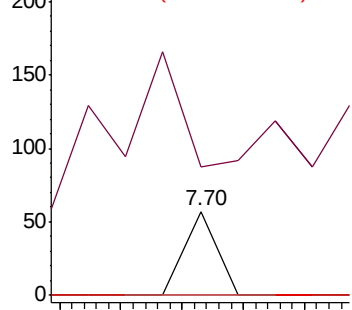
#49
1,4-Dioxane
Concen: 1.249 ug/l
RT: 7.70 min Scan# 1118
Delta R.T. -0.02 min
Lab File: VX012183.D
Acq: 07 Sep 2019 18:27

Instrument :
MSVOA_X
ClientSampleId :
PAR-C4-(3.11)

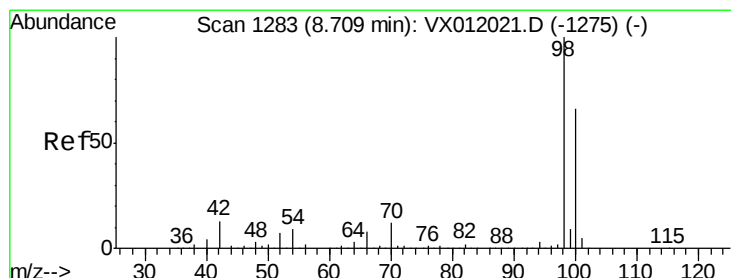
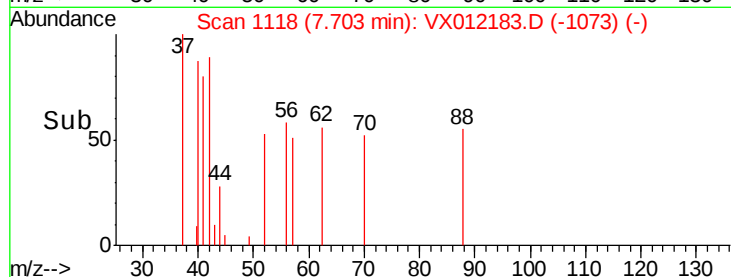
Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 528.6 29.8 44.6#
58 0.0 55.4 83.2#



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

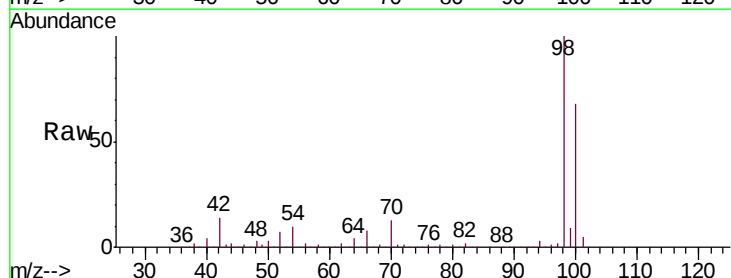


Time--> 7.68 7.69 7.70 7.71 7.72

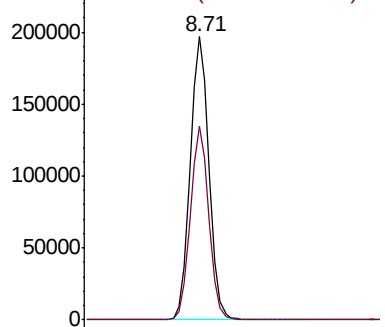


#50
Toluene-d8
Concen: 53.405 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012183.D
Acq: 07 Sep 2019 18:27

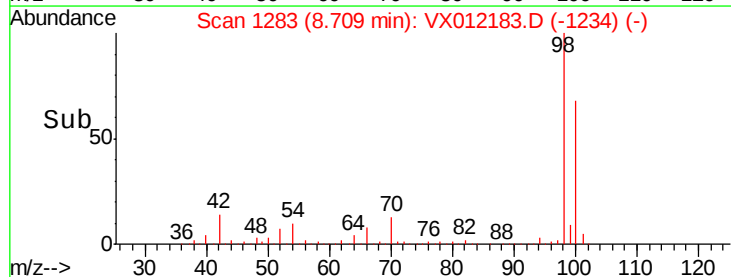
Tgt Ion: 98 Resp: 303638
Ion Ratio Lower Upper
98 100
100 67.0 53.3 79.9

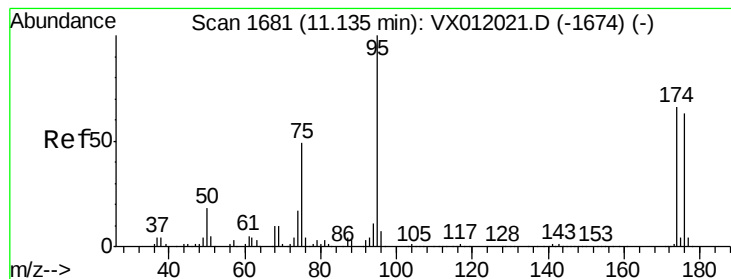


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0



Time--> 8.60 8.70 8.80 8.90





#62

4-Bromofluorobenzene

Concen: 47.050 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012183.D

Acq: 07 Sep 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

PAR-C4-(3.11)

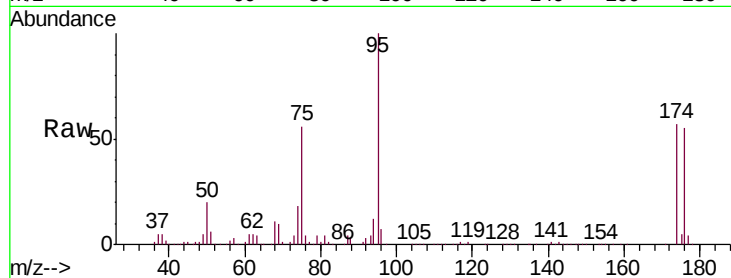
Tgt Ion: 95 Resp: 124406

Ion Ratio Lower Upper

95 100

174 63.2 0.0 205.4

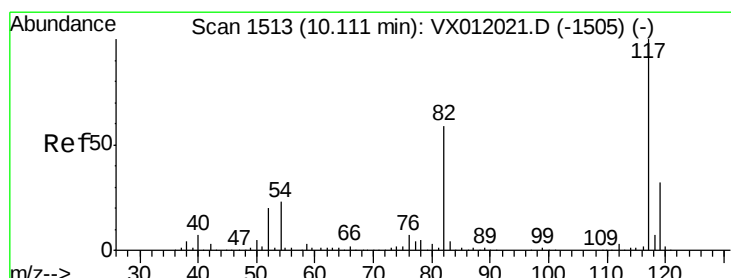
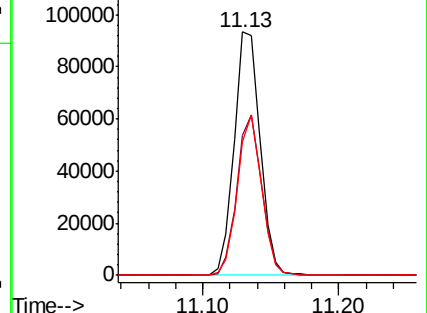
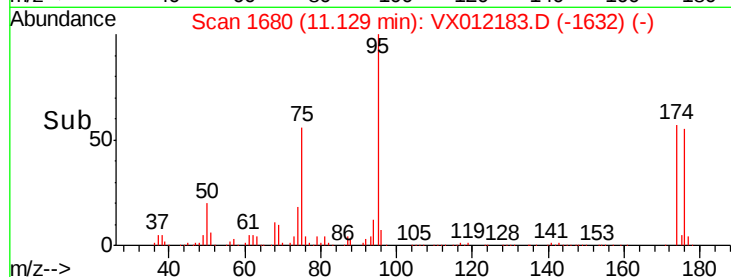
176 61.2 0.0 201.8



Abundance Ion 94.90 (94.60 to 95.60): VX012183.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX012183.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX012183.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX012183.D

Acq: 07 Sep 2019 18:27

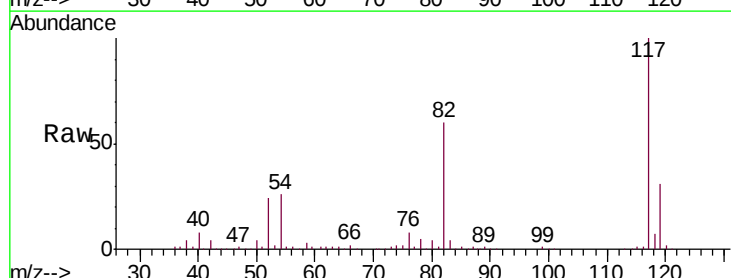
Tgt Ion: 117 Resp: 226287

Ion Ratio Lower Upper

117 100

82 60.3 39.4 59.0#

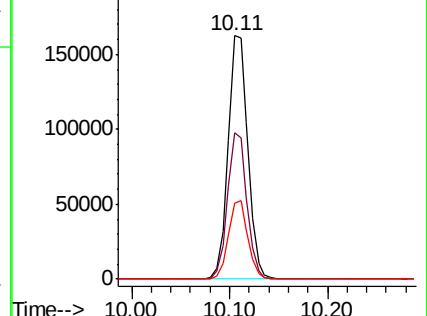
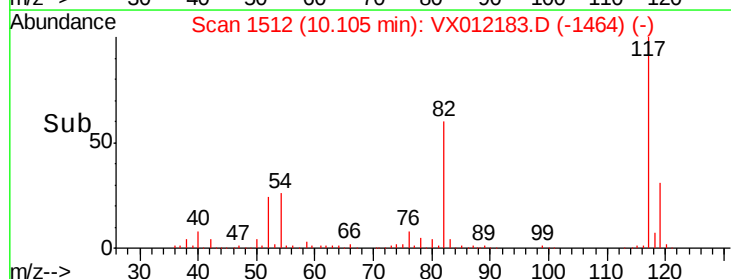
119 31.4 26.1 39.1

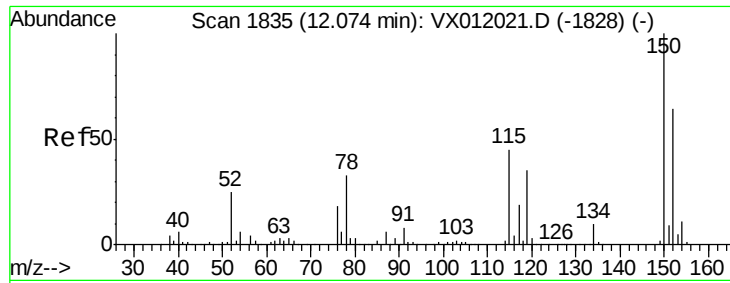


Abundance Ion 116.90 (116.60 to 117.60): VX012183.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012183.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012183.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: VX012183.D

Acq: 07 Sep 2019 18:27

Instrument :

MSVOA_X

ClientSampleId :

PAR-C4-(3.11)

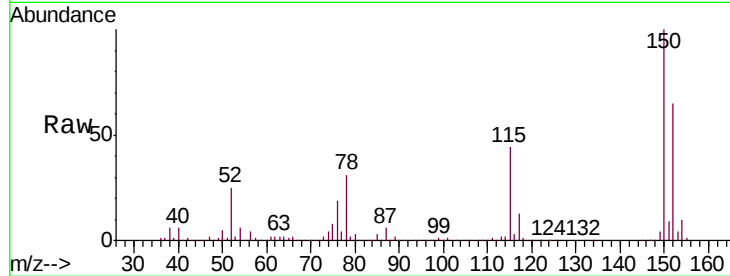
Tgt Ion:152 Resp: 103221

Ion Ratio Lower Upper

152 100

115 67.1 36.4 109.3

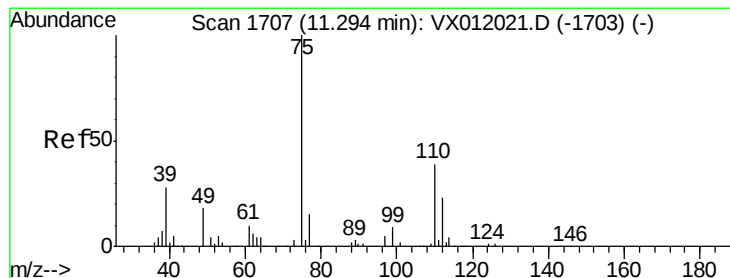
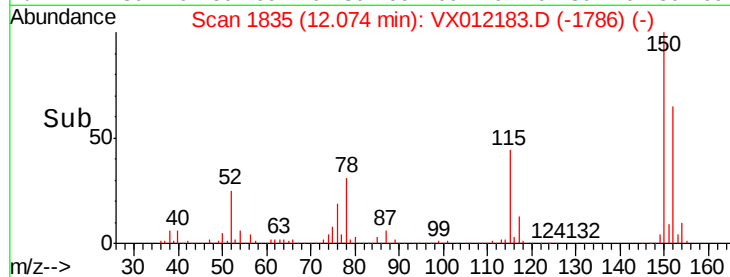
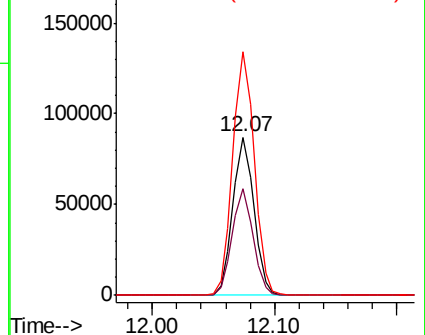
150 157.3 0.0 341.2



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: 52.369 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012183.D

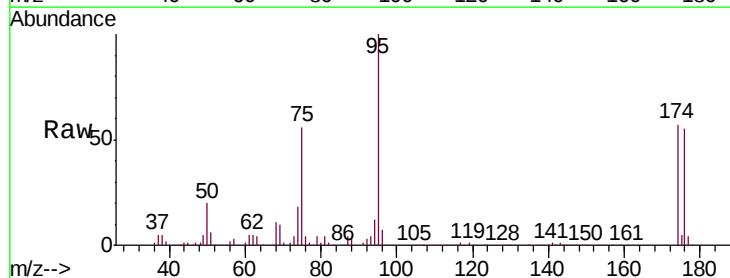
Acq: 07 Sep 2019 18:27

Tgt Ion: 75 Resp: 66048

Ion Ratio Lower Upper

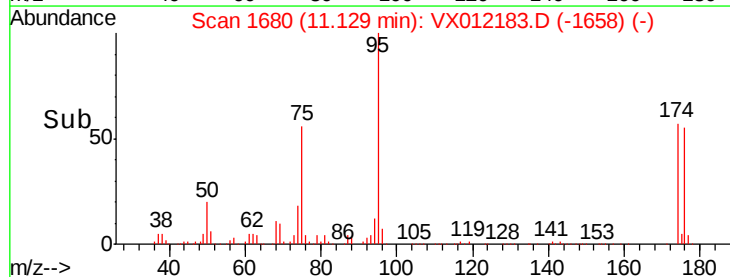
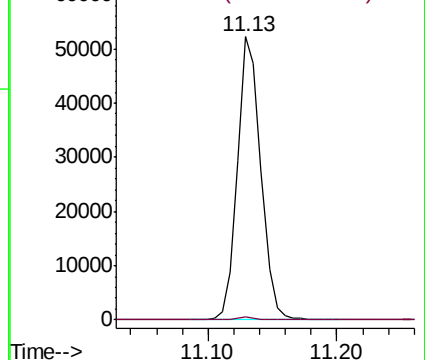
75 100

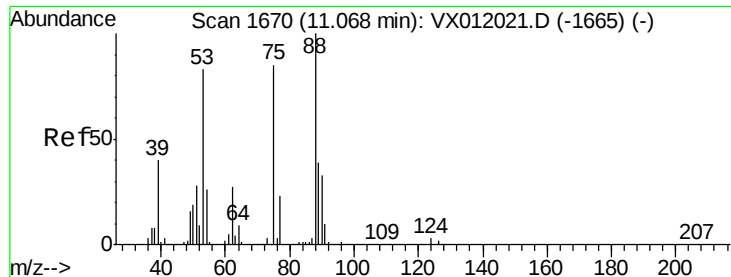
77 1.1 23.5 70.5#



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: 123.809 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX012183.D
 Acq: 07 Sep 2019 18:27

Instrument :
 MSVOA_X
 ClientSampleId :
 PAR-C4-(3.11)

Tgt Ion: 75 Resp: 66048
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.6 117.8#
 89 0.0 38.8 58.2#

