

Data File : VX012181.D
Acq On : 07 Sep 2019 17:31
Operator : SY/SP
Sample : K4602-10
Misc : 5.94g/5.0mL/MSVOA_X/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PAR-C4-(0)

Quant Time: Sep 08 07:43:48 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	146798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	257095	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	226199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	95807	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	103544	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
35) Dibromofluoromethane	5.48	113	77551	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
50) Toluene-d8	8.71	98	304613	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
62) 4-Bromofluorobenzene	11.14	95	120513	44.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.32%	

Target Compounds

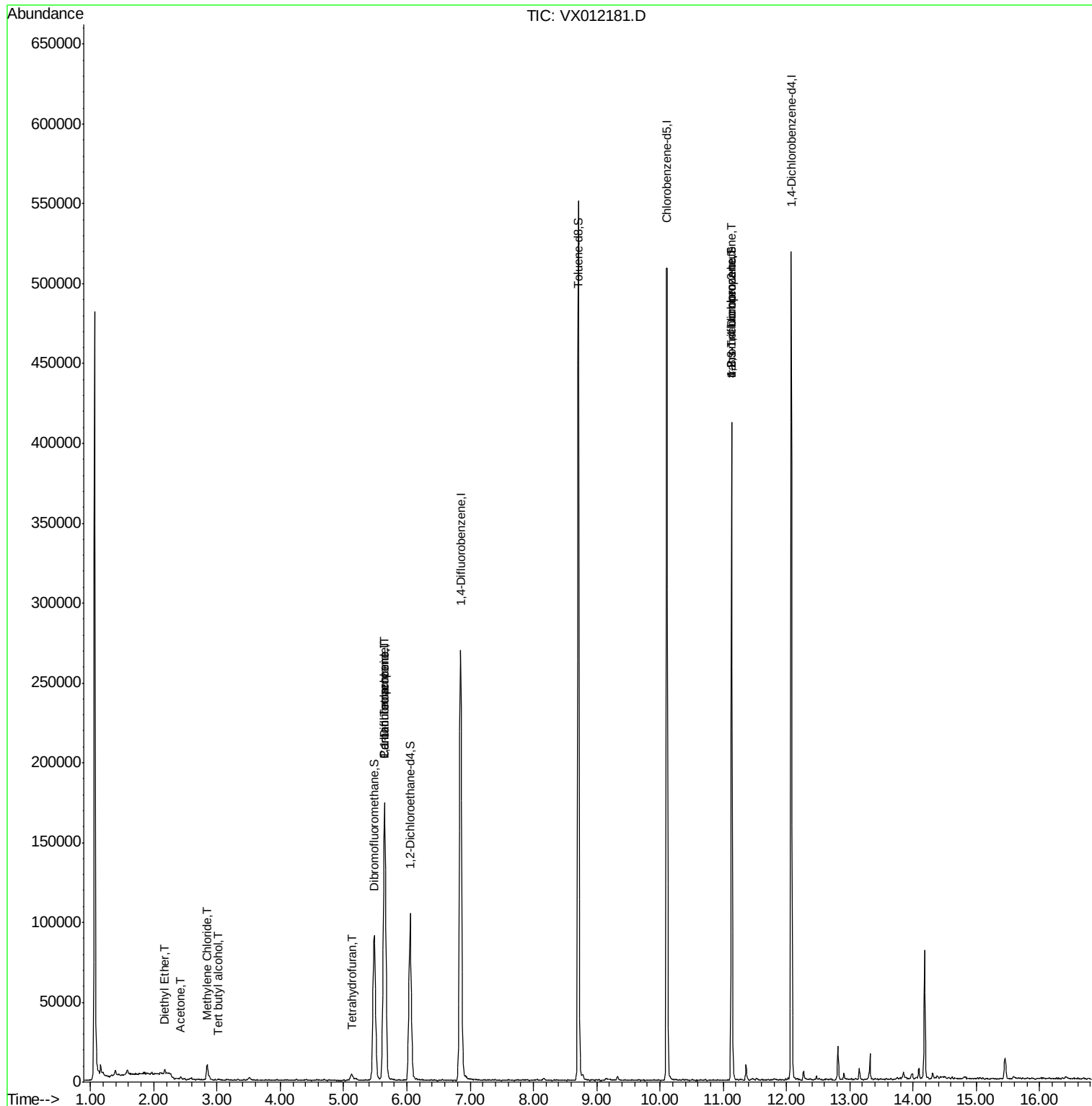
						Qvalue
8) Diethyl Ether	2.17	74	988	1.411	ug/l	97
11) Tert butyl alcohol	3.03	59	371	1.907	ug/l #	94
13) Acrolein	2.25	56	159	Below Cal	#	12
16) Acetone	2.42	43	1482	3.061	ug/l #	74
20) Methylene Chloride	2.84	84	3960	2.037	ug/l #	83
29) Tetrahydrofuran	5.13	42	4226	11.381	ug/l #	90
36) 1,1-Dichloropropene	5.65	75	13615	6.013	ug/l #	48
38) Carbon Tetrachloride	5.64	117	18005	7.546	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	64292	54.922	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.13	75	64292	129.843	ug/l #	10

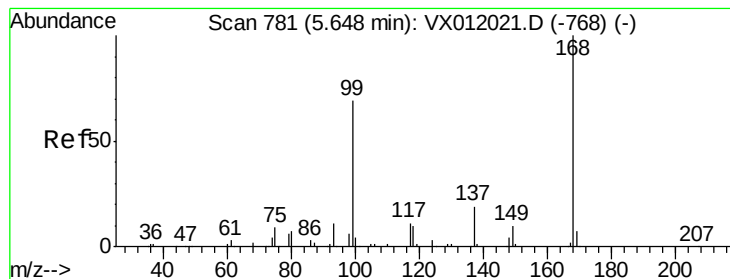
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012181.D

Acq: 07 Sep 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

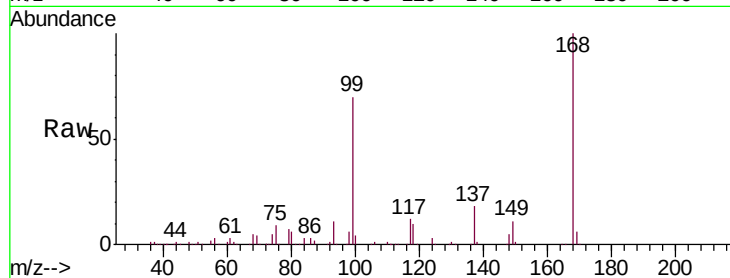
PAR-C4-(0)

Tgt Ion:168 Resp: 146798

Ion Ratio Lower Upper

168 100

99 70.3 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

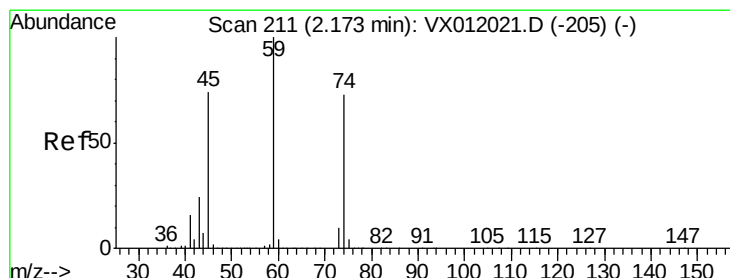
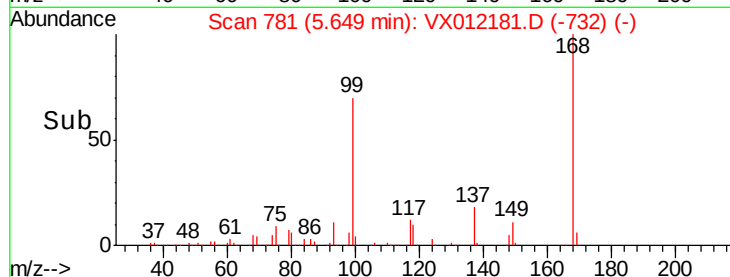
Time-->

5.50

5.60

5.70

5.80



#8

Diethyl Ether

Concen: 1.411 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012181.D

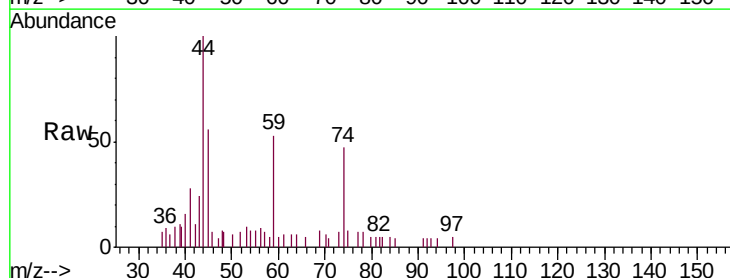
Acq: 07 Sep 2019 17:31

Tgt Ion: 74 Resp: 988

Ion Ratio Lower Upper

74 100

45 88.5 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

800

600

400

200

0

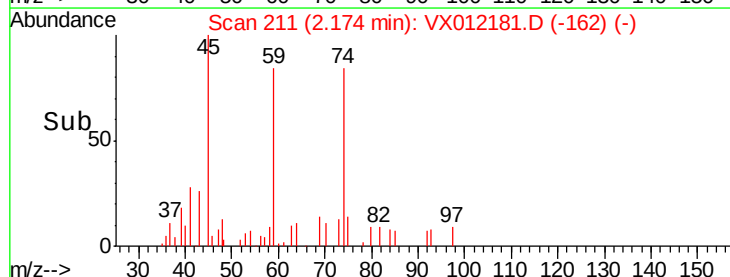
Time-->

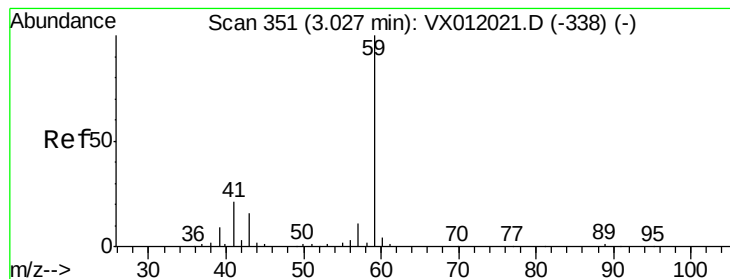
2.10

2.15

2.20

2.25



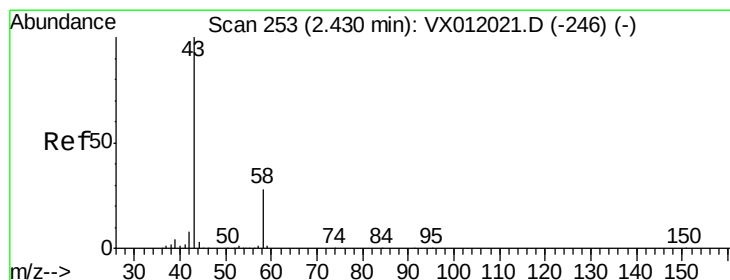
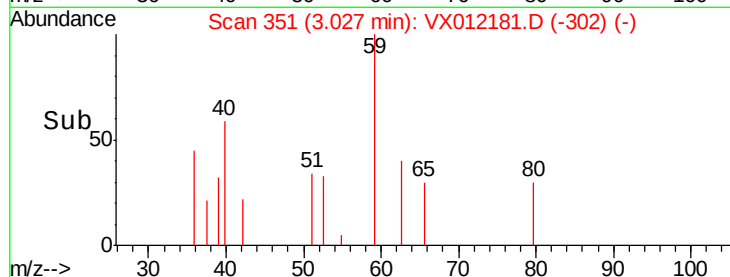
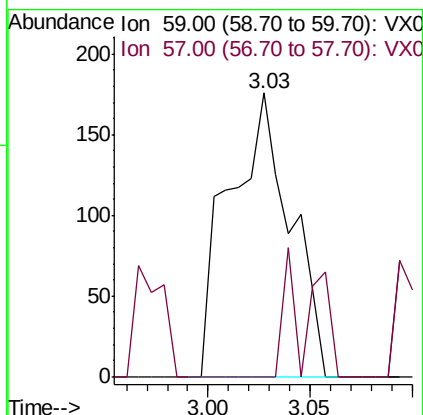
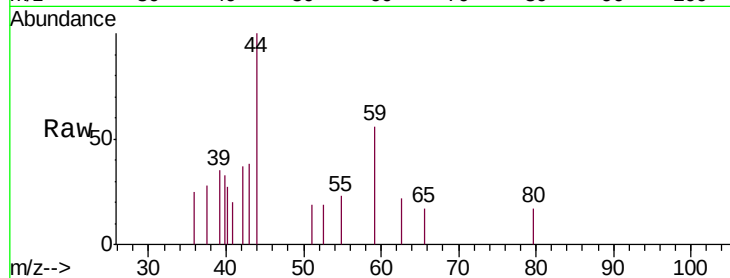


#11

Tert butyl alcohol
Concen: 1.907 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.00 min
Lab File: VX012181.D
Acq: 07 Sep 2019 17:31

Instrument :
MSVOA_X
ClientSampleId :
PAR-C4-(0)

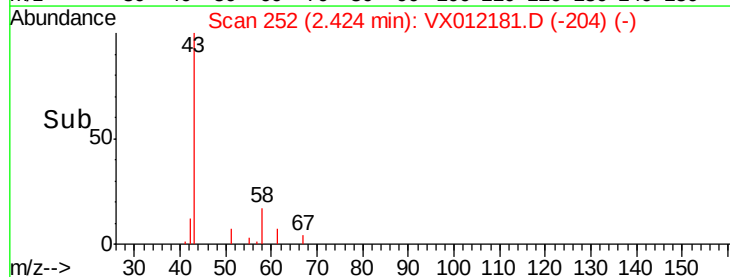
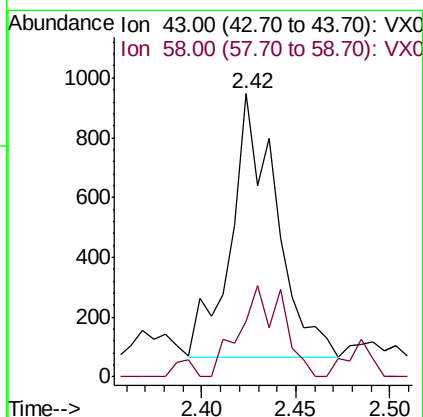
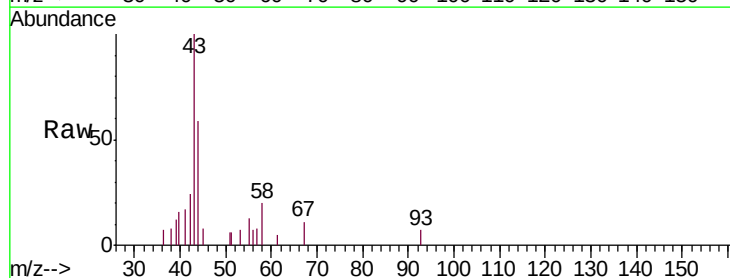
Tgt Ion: 59 Resp: 371
Ion Ratio Lower Upper
59 100
57 7.8 7.9 11.9#

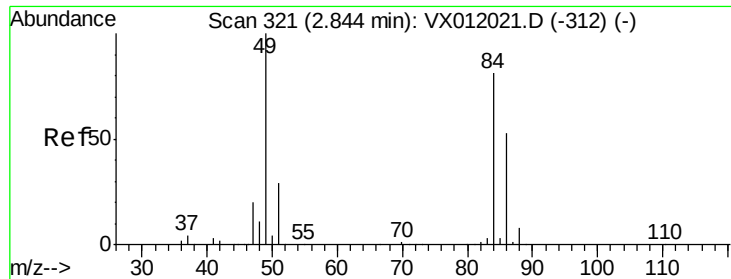


#16

Acetone
Concen: 3.061 ug/l
RT: 2.42 min Scan# 252
Delta R.T. -0.01 min
Lab File: VX012181.D
Acq: 07 Sep 2019 17:31

Tgt Ion: 43 Resp: 1482
Ion Ratio Lower Upper
43 100
58 14.9 22.8 34.2#

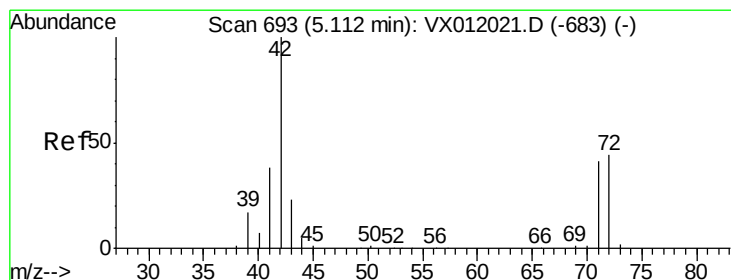
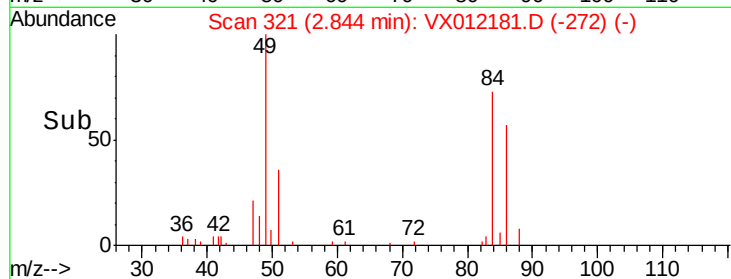
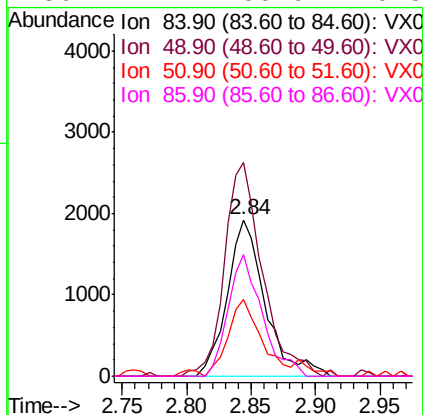
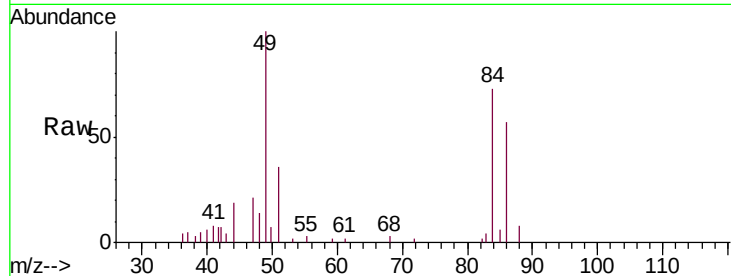




#20
Methylene Chloride
Concen: 2.037 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012181.D
Acq: 07 Sep 2019 17:31

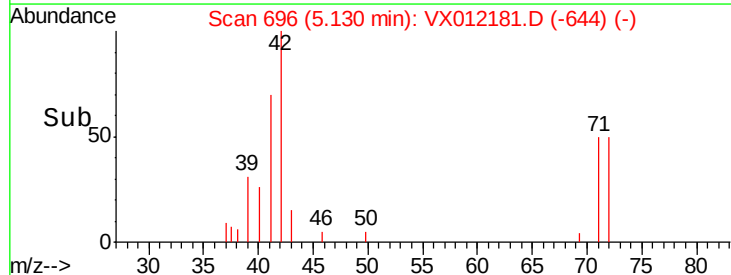
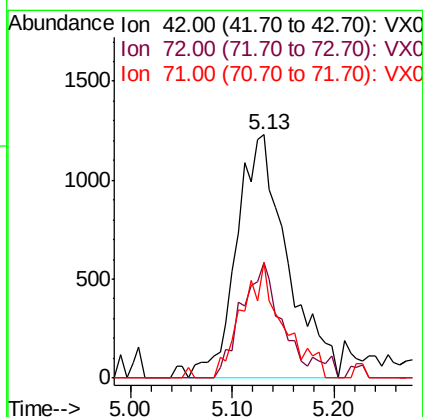
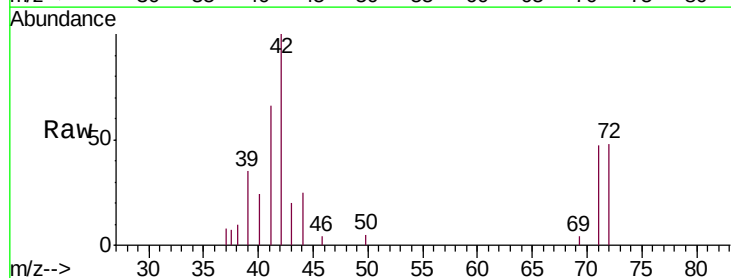
Instrument :
MSVOA_X
ClientSampled :
PAR-C4-(0)

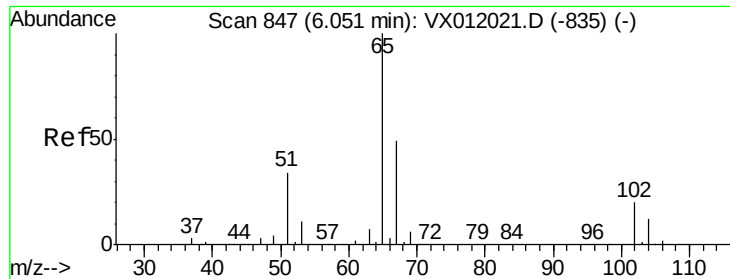
Tgt Ion: 84 Resp: 3960
Ion Ratio Lower Upper
84 100
49 136.5 95.8 143.8
51 49.3 28.6 43.0#
86 77.7 50.9 76.3#



#29
Tetrahydrofuran
Concen: 11.381 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX012181.D
Acq: 07 Sep 2019 17:31

Tgt Ion: 42 Resp: 4226
Ion Ratio Lower Upper
42 100
72 36.9 37.0 55.4#
71 38.5 33.8 50.8

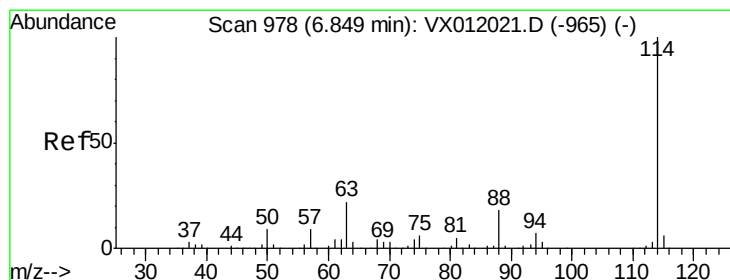
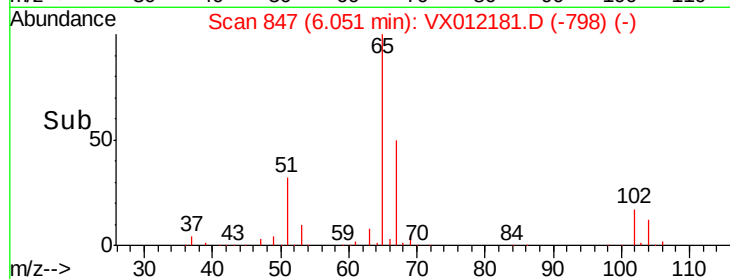
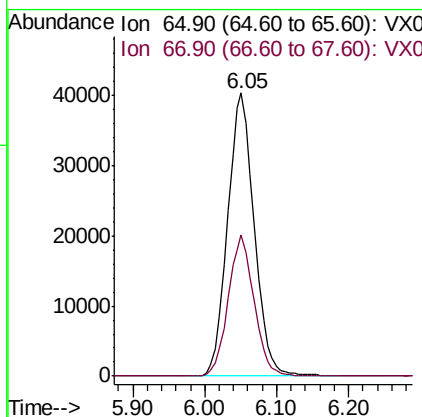
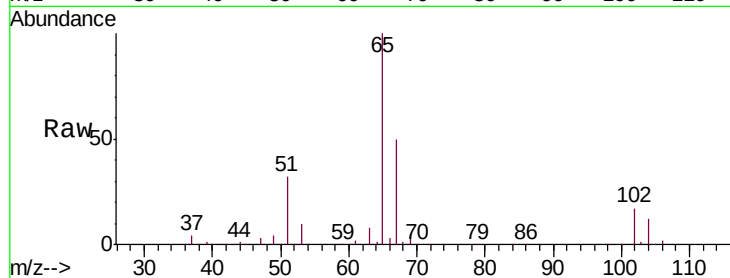




#33
 1,2-Dichloroethane-d4
 Concen: 51.120 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012181.D
 Acq: 07 Sep 2019 17:31

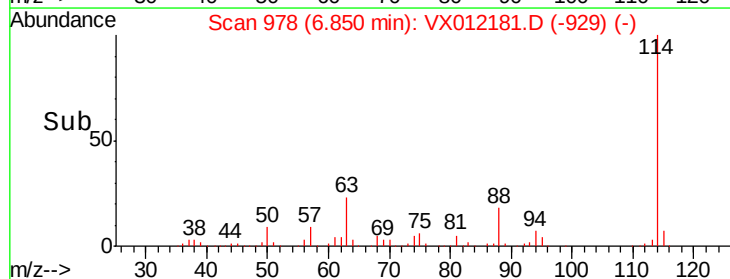
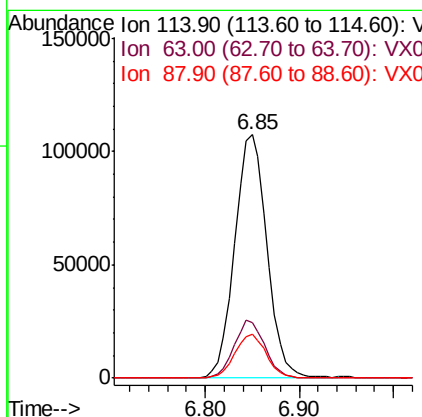
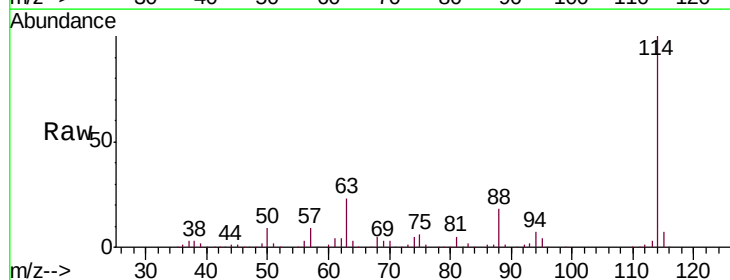
Instrument :
 MSVOA_X
 ClientSampleId :
 PAR-C4-(0)

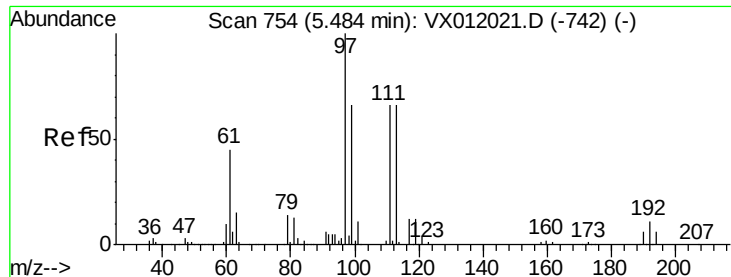
Tgt Ion: 65 Resp: 103544
 Ion Ratio Lower Upper
 65 100
 67 48.8 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012181.D
 Acq: 07 Sep 2019 17:31

Tgt Ion: 114 Resp: 257095
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 37.4
 88 17.9 0.0 29.6

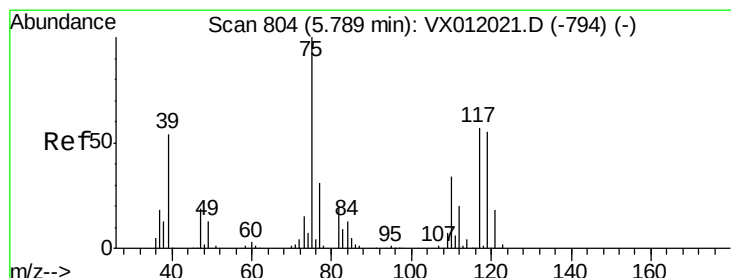
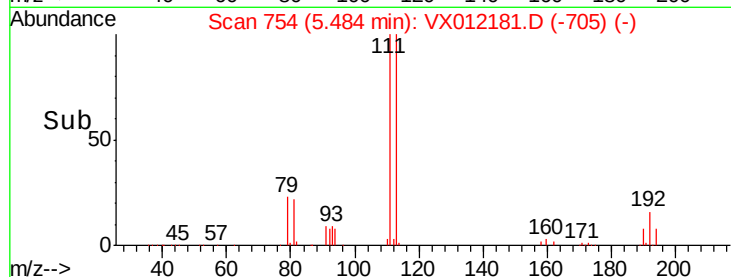
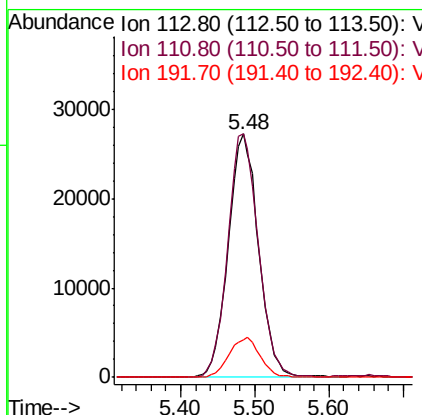
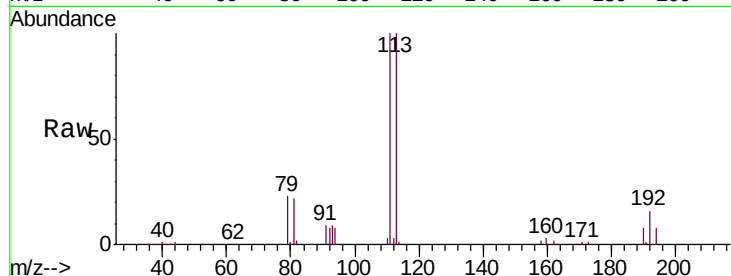




#35
 Dibromofluoromethane
 Concen: 49.050 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012181.D
 Acq: 07 Sep 2019 17:31

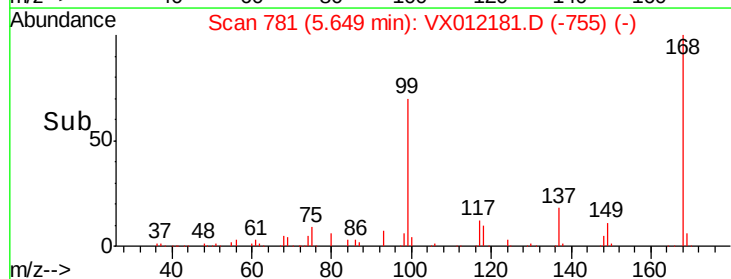
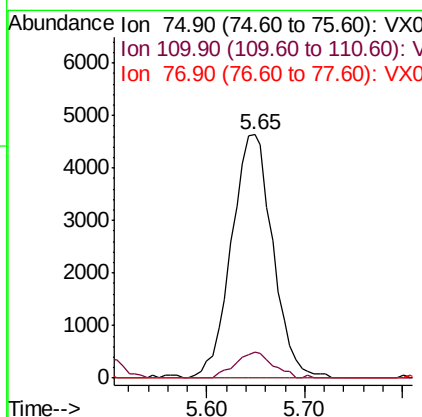
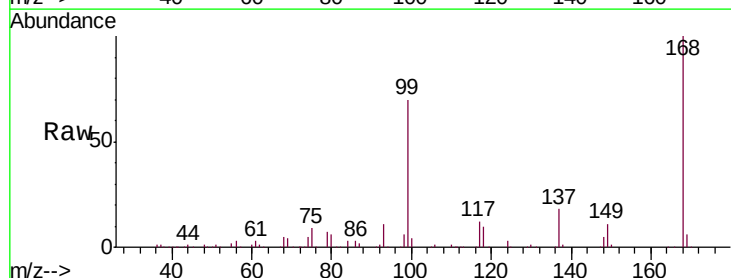
Instrument :
 MSVOA_X
 ClientSampleId :
 PAR-C4-(0)

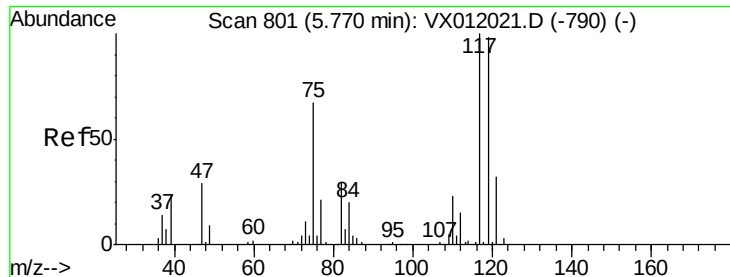
Tgt Ion:113 Resp: 77551
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.7 122.5
 192 16.8 22.5 33.7#



#36
 1,1-Dichloropropene
 Concen: 6.013 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012181.D
 Acq: 07 Sep 2019 17:31

Tgt Ion: 75 Resp: 13615
 Ion Ratio Lower Upper
 75 100
 110 9.6 19.5 58.5#
 77 0.0 24.6 37.0#

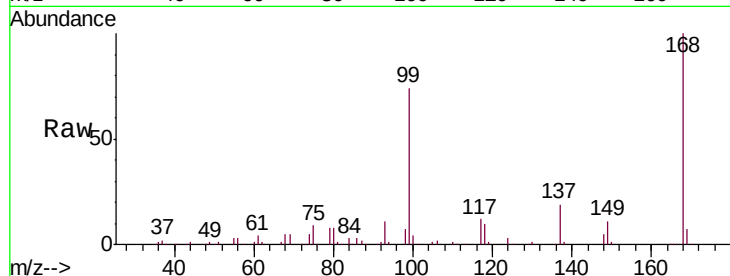




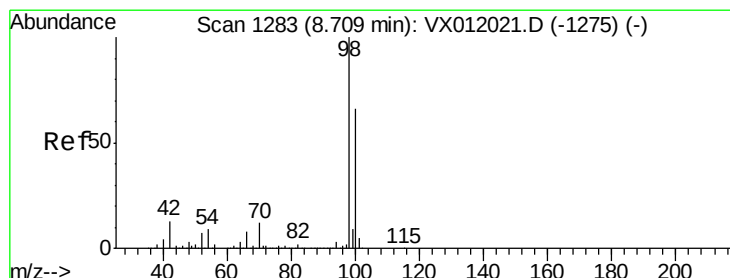
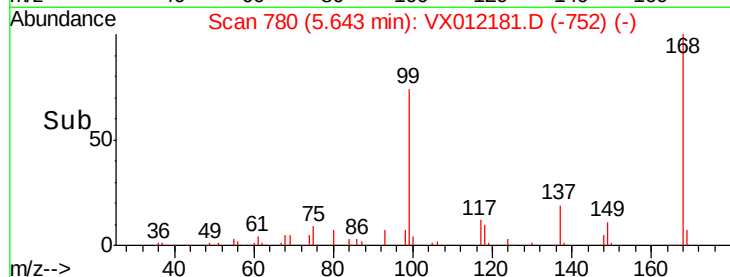
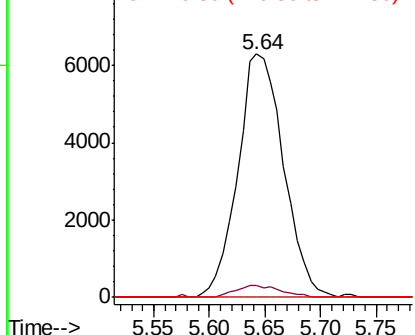
#38
Carbon Tetrachloride
Concen: 7.546 ug/l
RT: 5.64 min Scan# 780
Delta R.T. -0.13 min
Lab File: VX012181.D
Acq: 07 Sep 2019 17:31

Instrument :
MSVOA_X
ClientSampleId :
PAR-C4-(0)

Tgt Ion:117 Resp: 18005
Ion Ratio Lower Upper
117 100
119 4.8 78.3 117.5#
121 0.0 24.2 36.2#

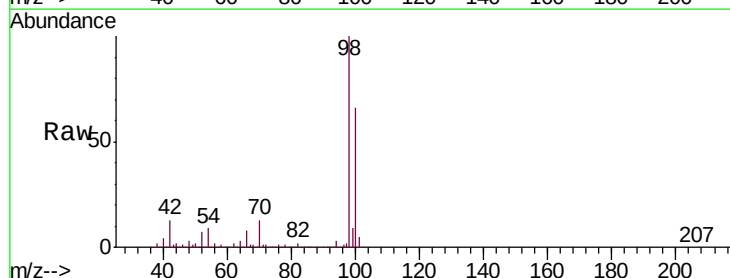


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

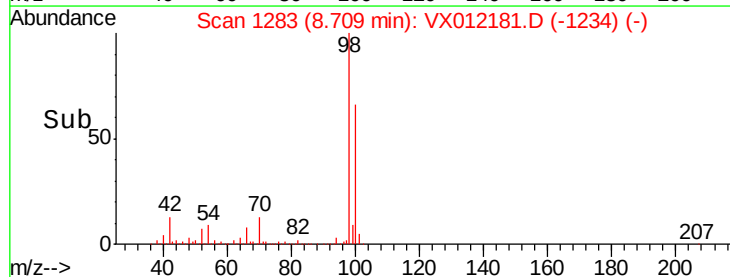
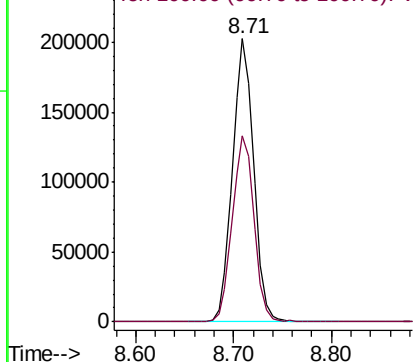


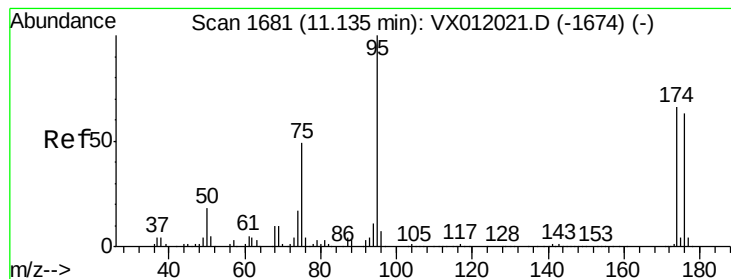
#50
Toluene-d8
Concen: 52.503 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012181.D
Acq: 07 Sep 2019 17:31

Tgt Ion: 98 Resp: 304613
Ion Ratio Lower Upper
98 100
100 67.5 53.3 79.9



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





#62

4-Bromofluorobenzene

Concen: 44.665 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012181.D

Acq: 07 Sep 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

PAR-C4-(0)

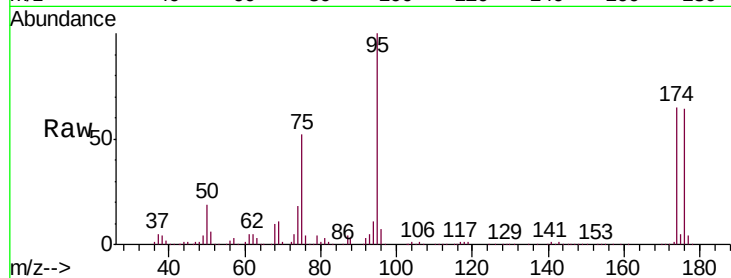
Tgt Ion: 95 Resp: 120513

Ion Ratio Lower Upper

95 100

174 63.2 0.0 205.4

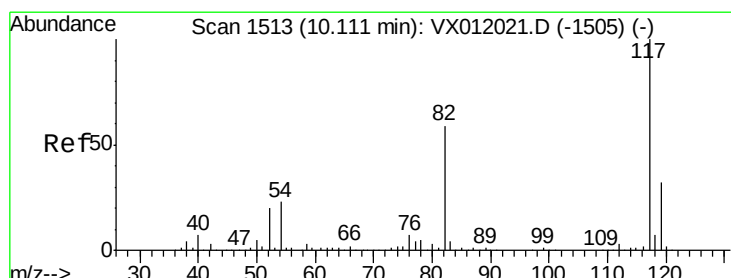
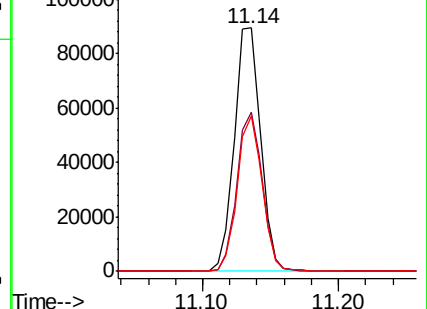
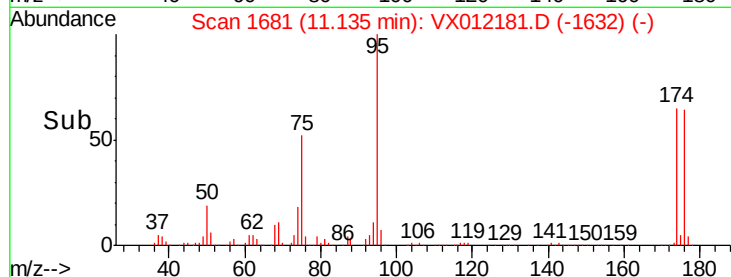
176 60.6 0.0 201.8



Abundance Ion 94.90 (94.60 to 95.60): VX012181.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX012181.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX012181.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012181.D

Acq: 07 Sep 2019 17:31

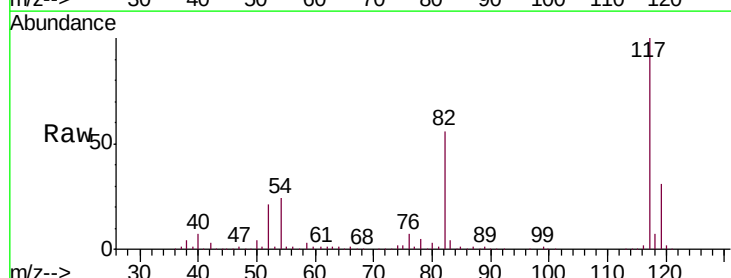
Tgt Ion: 117 Resp: 226199

Ion Ratio Lower Upper

117 100

82 55.6 39.4 59.0

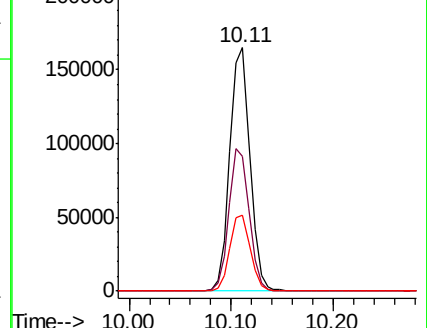
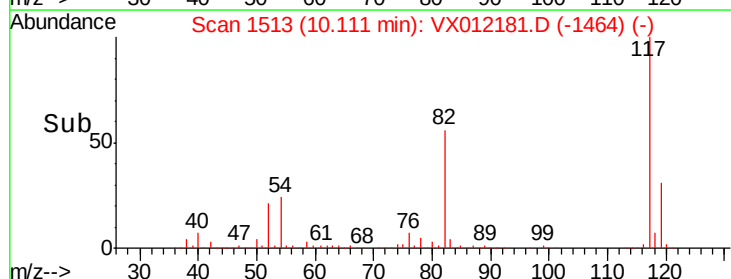
119 31.4 26.1 39.1

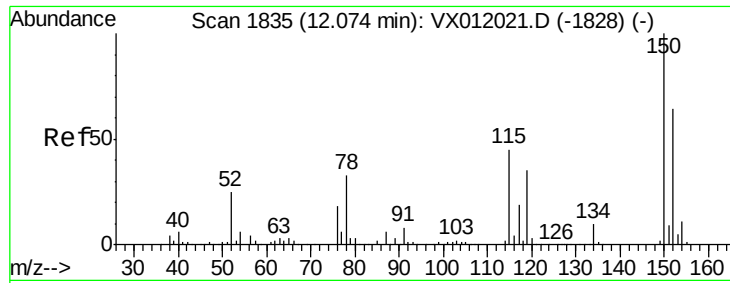


Abundance Ion 116.90 (116.60 to 117.60): VX012181.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012181.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012181.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: VX012181.D

Acq: 07 Sep 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

PAR-C4-(0)

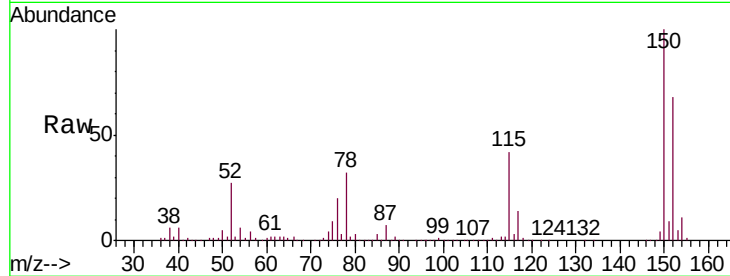
Tgt Ion:152 Resp: 95807

Ion Ratio Lower Upper

152 100

115 66.0 36.4 109.3

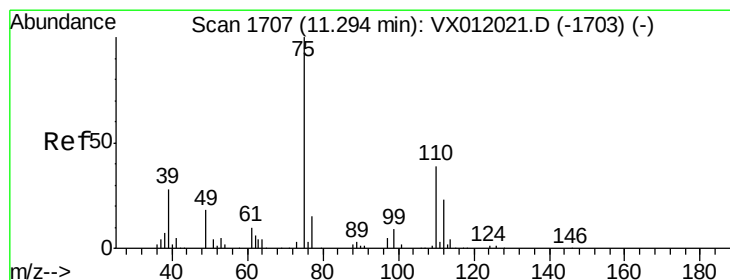
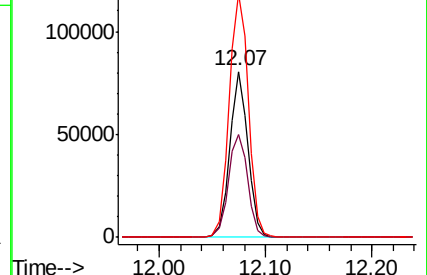
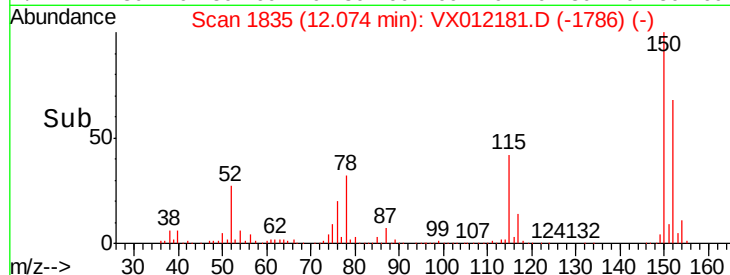
150 155.9 0.0 341.2



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: 54.922 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012181.D

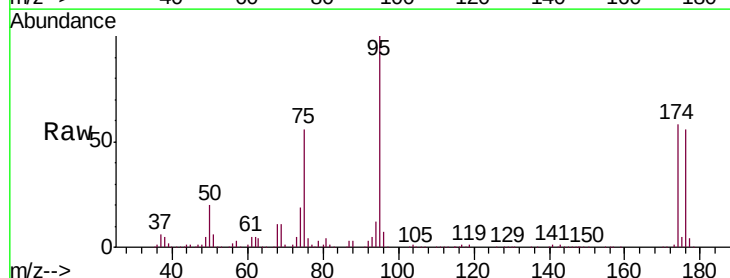
Acq: 07 Sep 2019 17:31

Tgt Ion: 75 Resp: 64292

Ion Ratio Lower Upper

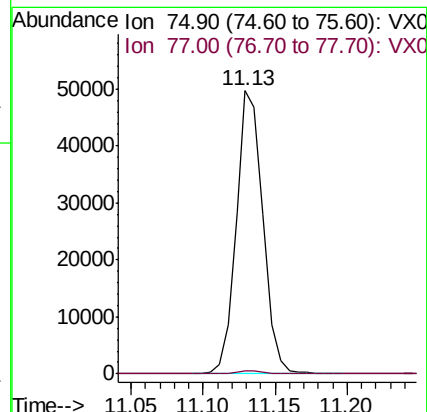
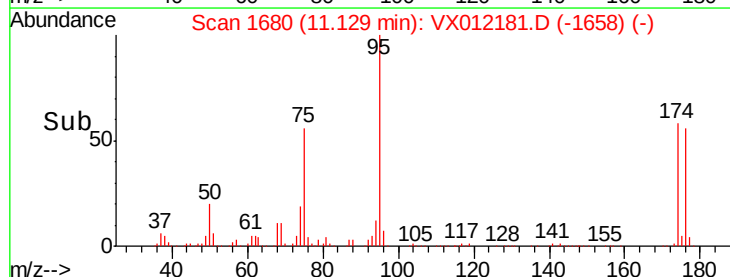
75 100

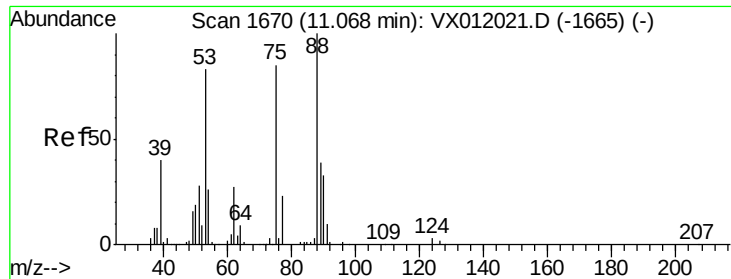
77 1.1 23.5 70.5#



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: 129.843 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012181.D

Acq: 07 Sep 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

PAR-C4-(0)

Tgt Ion: 75 Resp: 64292

Ion Ratio Lower Upper

75 100

53 0.1 78.6 117.8#

89 0.1 38.8 58.2#

