

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090819\
 Data File : VX012226.D
 Acq On : 08 Sep 2019 16:40
 Operator : SY/SP
 Sample : K4622-11
 Misc : 4.33g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PAR-11-B1-(0)

Quant Time: Sep 09 01:50:41 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	5.65	168	139196	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	237607	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	204567	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	84244	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	93706	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	
35) Dibromofluoromethane	5.48	113	69574	47.61	ug/l	0.00
Spiked Amount			Recovery	=	95.22%	
50) Toluene-d8	8.71	98	283598	52.89	ug/l	0.00
Spiked Amount			Recovery	=	105.78%	
62) 4-Bromofluorobenzene	11.13	95	106076	42.54	ug/l	0.00
Spiked Amount			Recovery	=	85.08%	

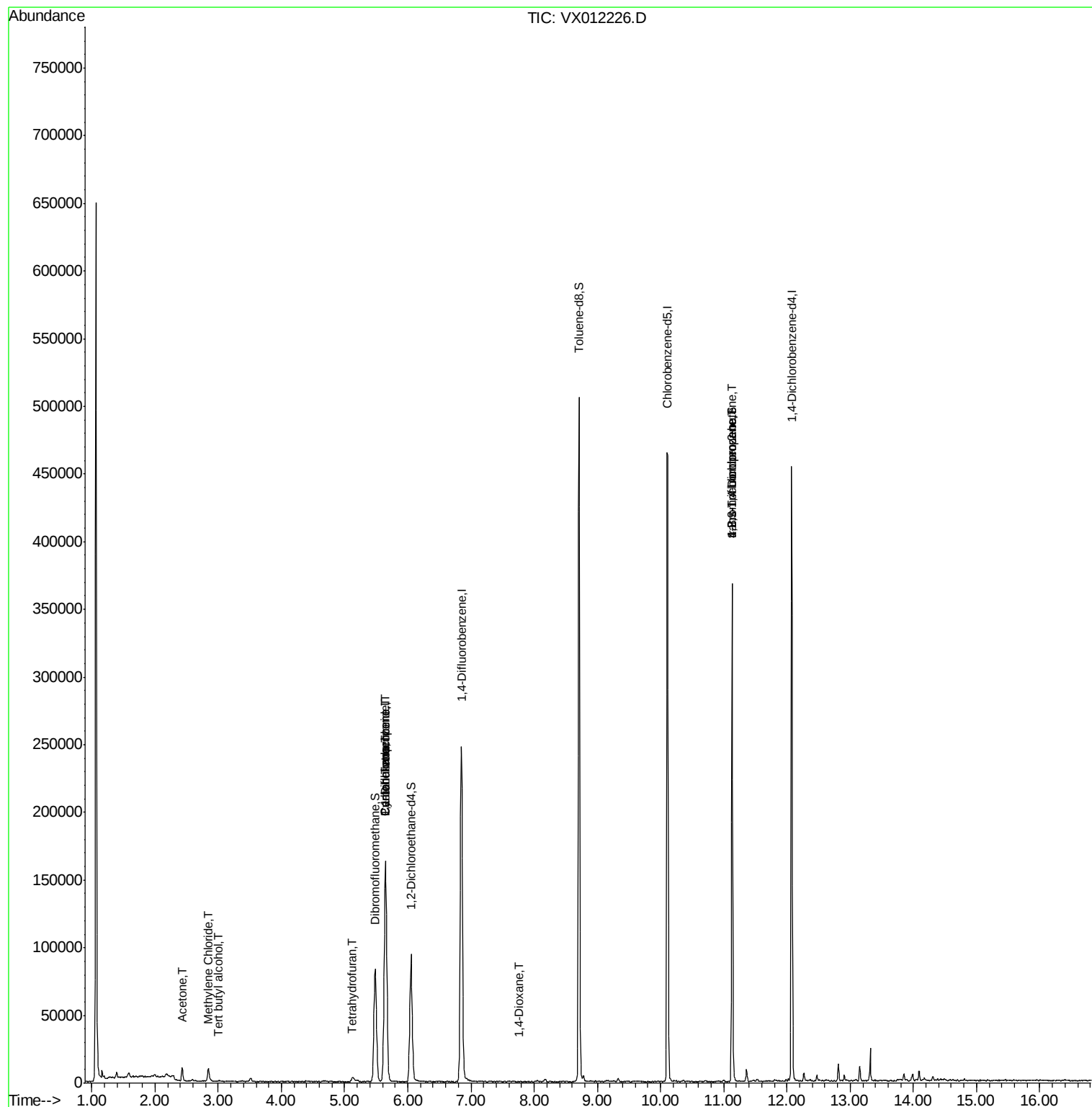
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	390	2.114	ug/l #	13
13) Acrolein	2.28	56	194	Below Cal	#	12
16) Acetone	2.43	43	10297	22.430	ug/l	93
20) Methylene Chloride	2.84	84	4226	2.292	ug/l	92
29) Tetrahydrofuran	5.12	42	3080	8.748	ug/l	96
31) Cyclohexane	5.64	56	3926	1.667	ug/l #	36
36) 1,1-Dichloropropene	5.64	75	12816	6.124	ug/l #	49
38) Carbon Tetrachloride	5.64	117	16210	7.351	ug/l #	15
49) 1,4-Dioxane	7.76	88	22	1.387	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	55107	53.537	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.13	75	55107	126.569	ug/l #	10

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

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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: VX012226.D

Acq: 08 Sep 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

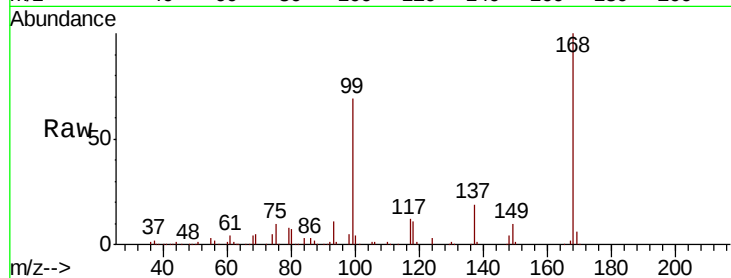
PAR-11-B1-(0)

Tgt Ion: 168 Resp: 139196

Ion Ratio Lower Upper

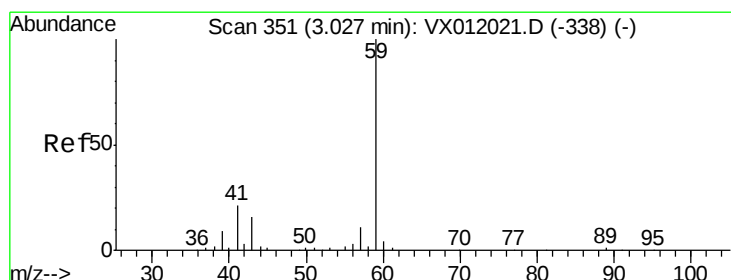
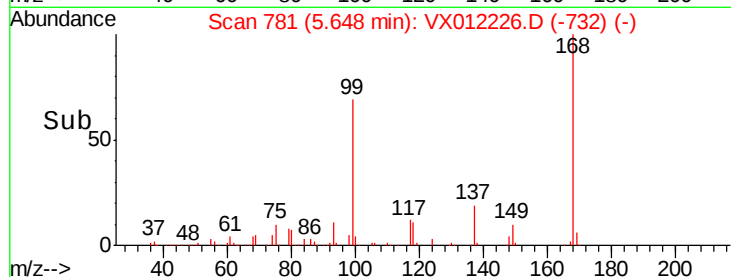
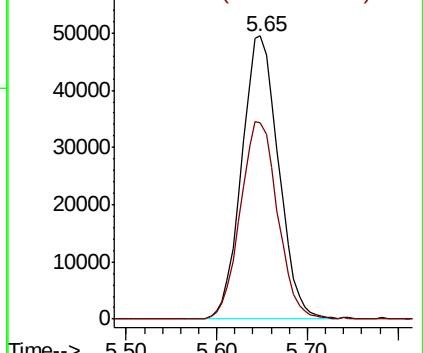
168 100

99 69.4 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 2.114 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.01 min

Lab File: VX012226.D

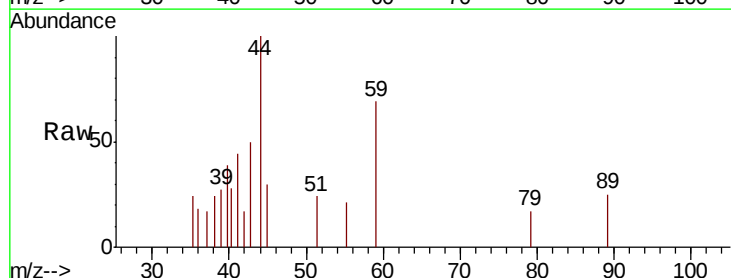
Acq: 08 Sep 2019 16:40

Tgt Ion: 59 Resp: 390

Ion Ratio Lower Upper

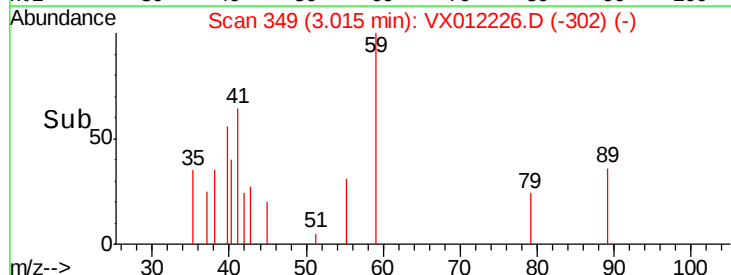
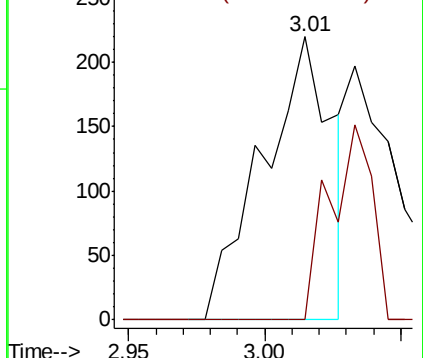
59 100

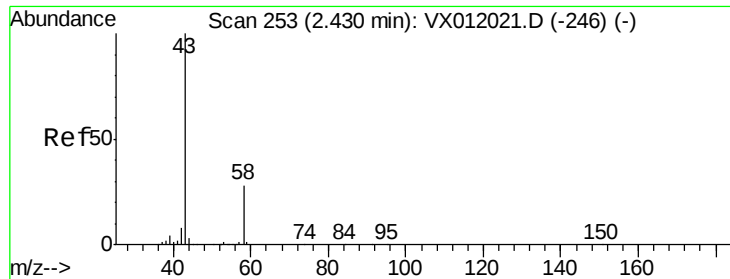
57 42.1 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 22.430 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012226.D

Acq: 08 Sep 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

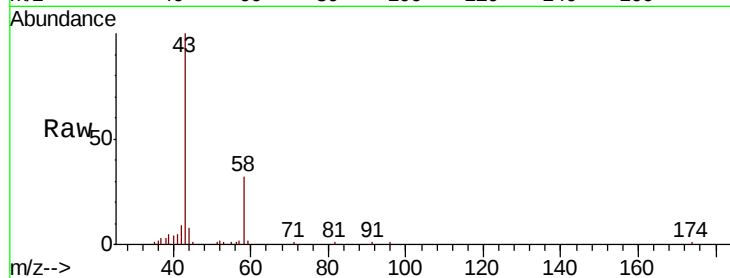
PAR-11-B1-(0)

Tgt Ion: 43 Resp: 10297

Ion Ratio Lower Upper

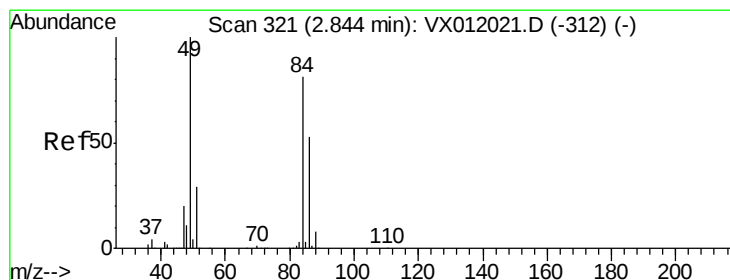
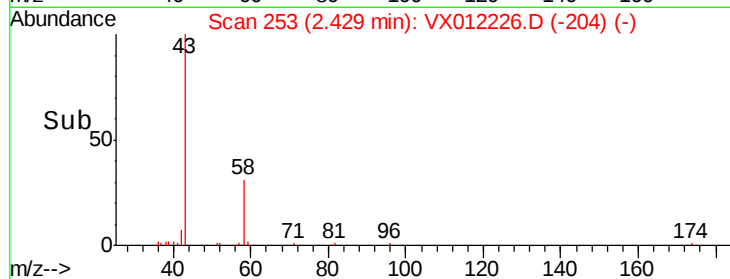
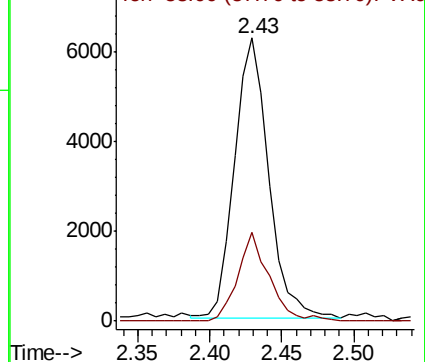
43 100

58 32.0 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 2.292 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012226.D

Acq: 08 Sep 2019 16:40

Tgt Ion: 84 Resp: 4226

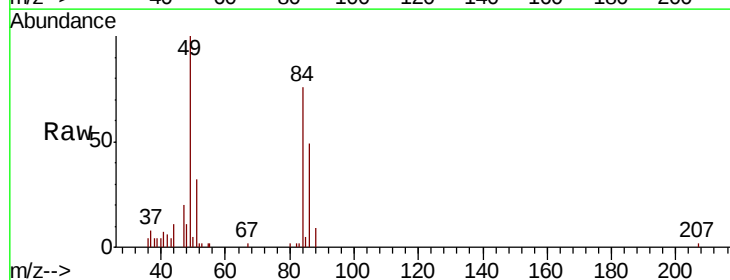
Ion Ratio Lower Upper

84 100

49 131.8 95.8 143.8

51 41.8 28.6 43.0

86 65.2 50.9 76.3

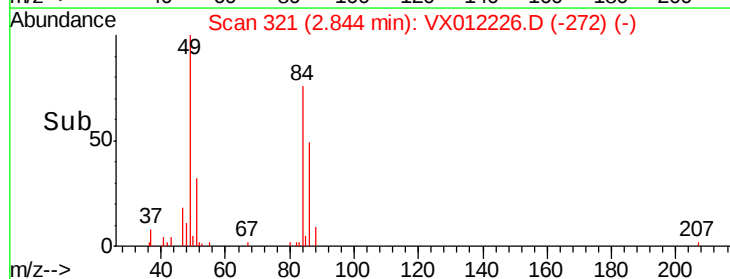
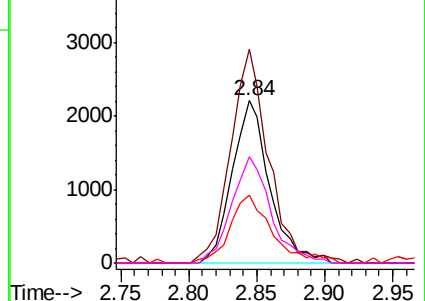


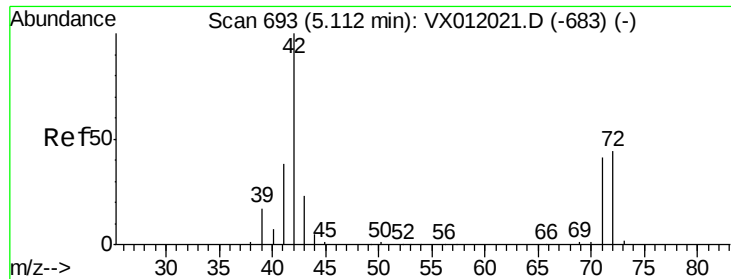
Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 8.748 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX012226.D

Acq: 08 Sep 2019 16:40

Instrument :

MSVOA_X

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PAR-11-B1-(0)

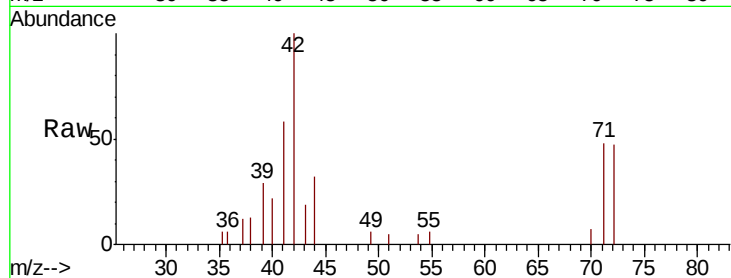
Tgt Ion: 42 Resp: 3080

Ion Ratio Lower Upper

42 100

72 45.5 37.0 55.4

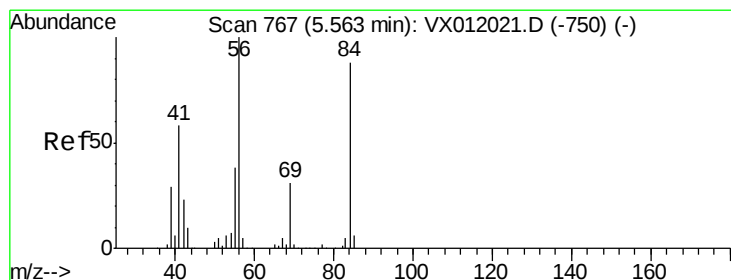
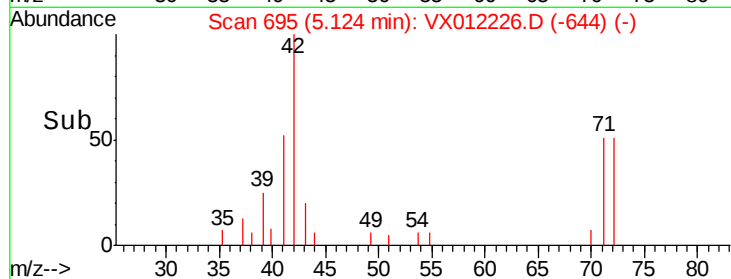
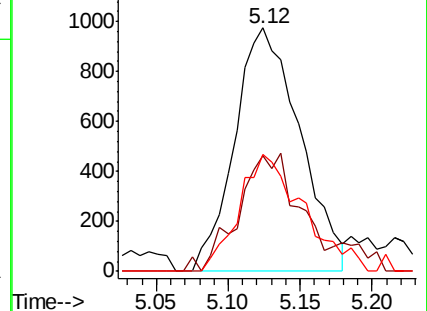
71 47.3 33.8 50.8



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: 1.667 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.08 min

Lab File: VX012226.D

Acq: 08 Sep 2019 16:40

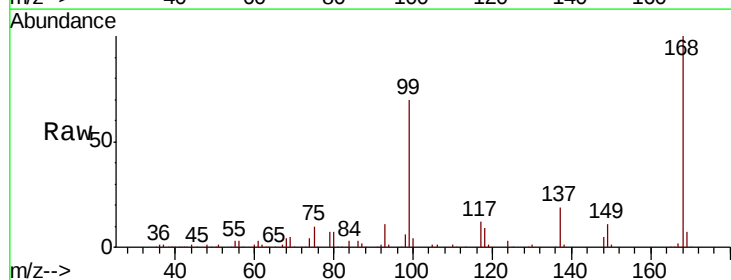
Tgt Ion: 56 Resp: 3926

Ion Ratio Lower Upper

56 100

69 157.3 25.7 38.5#

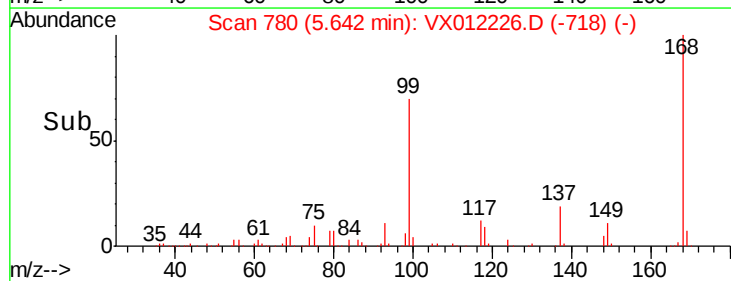
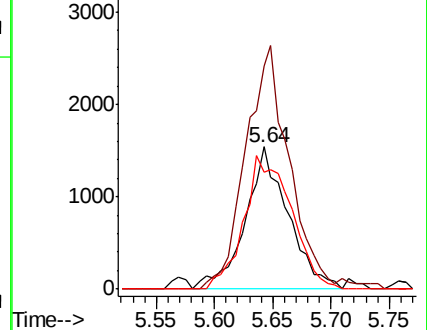
84 82.2 70.3 105.5

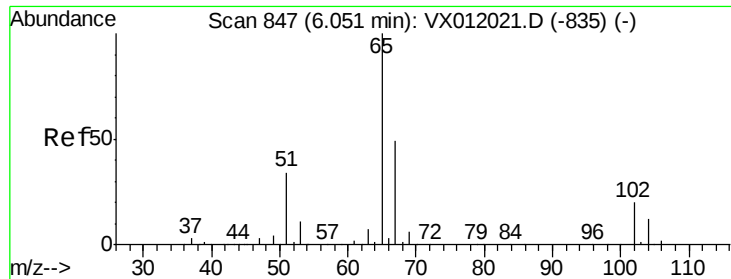


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

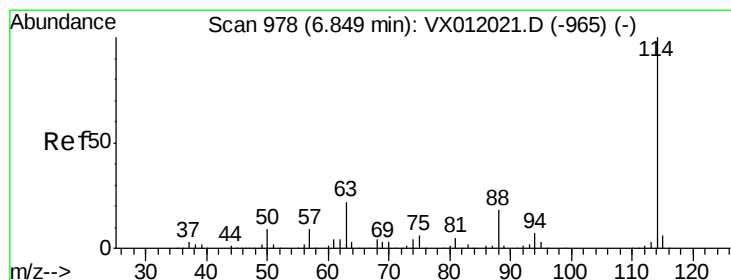
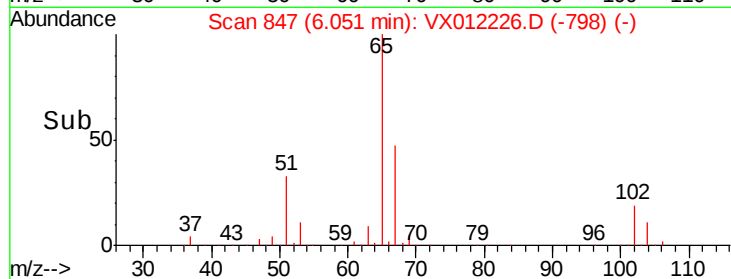
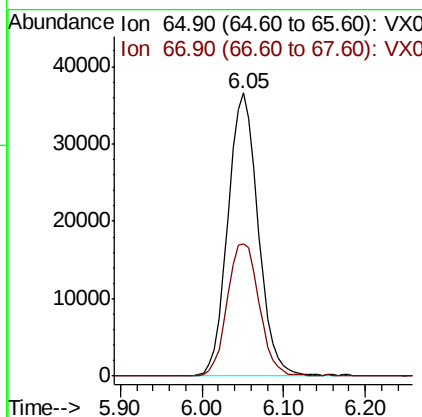
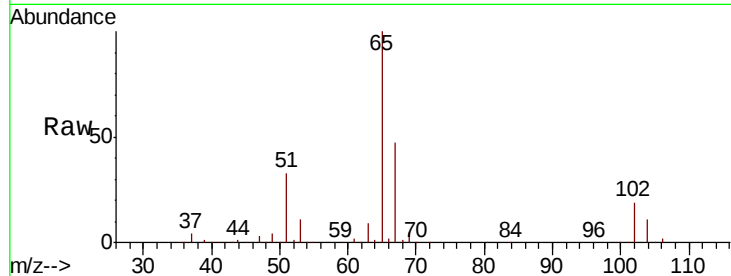




#33
 1,2-Dichloroethane-d4
 Concen: 48.789 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012226.D
 Acq: 08 Sep 2019 16:40

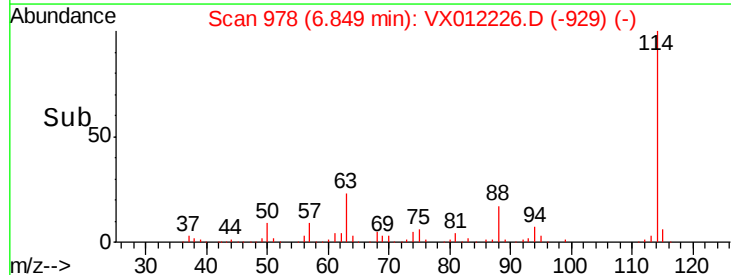
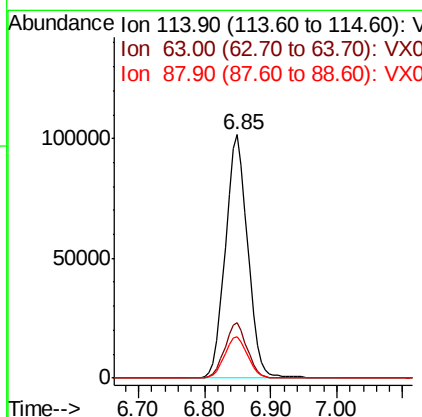
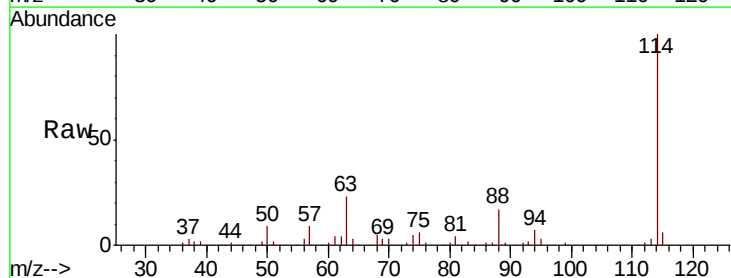
Instrument :
 MSVOA_X
 ClientSampleId :
 PAR-11-B1-(0)

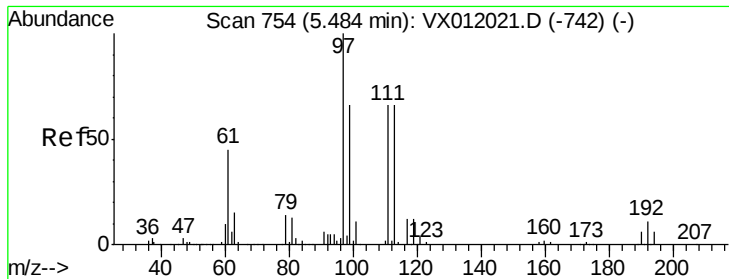
Tgt Ion: 65 Resp: 93706
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012226.D
 Acq: 08 Sep 2019 16:40

Tgt Ion: 114 Resp: 237607
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 37.4
 88 16.9 0.0 29.6





#35

Dibromofluoromethane

Concen: 47.614 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012226.D

Acq: 08 Sep 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

PAR-11-B1-(0)

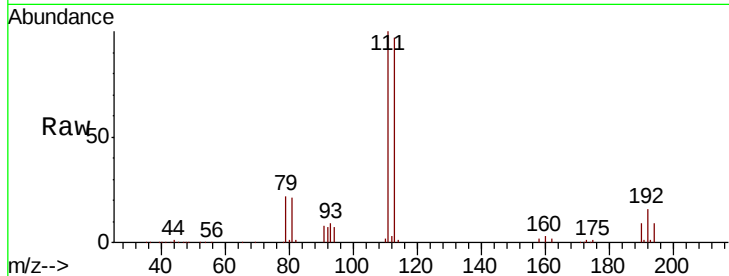
Tgt Ion:113 Resp: 69574

Ion Ratio Lower Upper

113 100

111 103.6 81.7 122.5

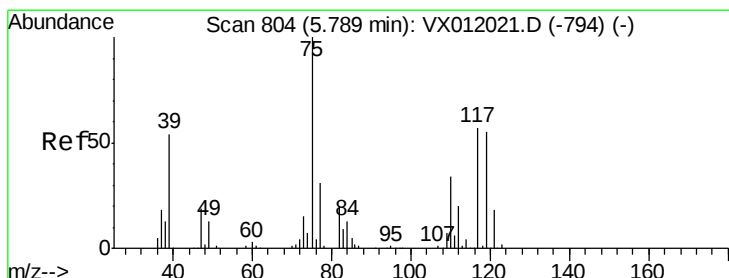
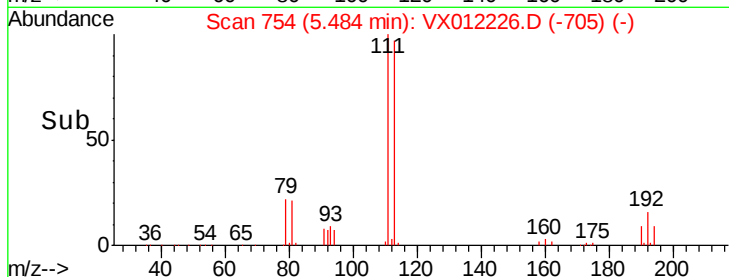
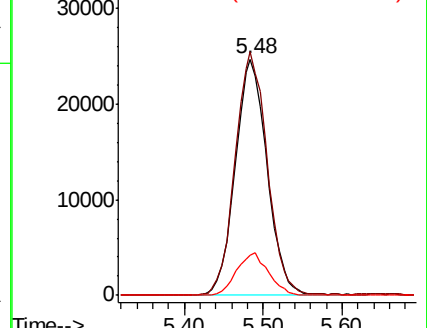
192 17.7 22.5 33.7#



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: 6.124 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012226.D

Acq: 08 Sep 2019 16:40

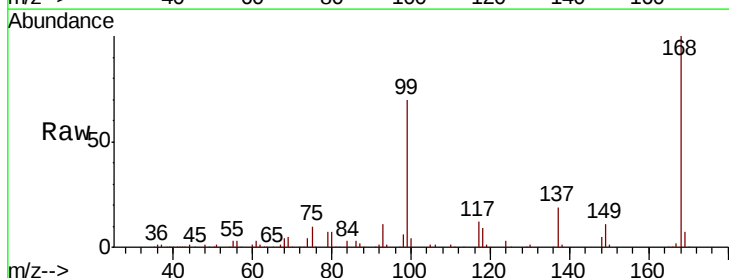
Tgt Ion: 75 Resp: 12816

Ion Ratio Lower Upper

75 100

110 10.3 19.5 58.5#

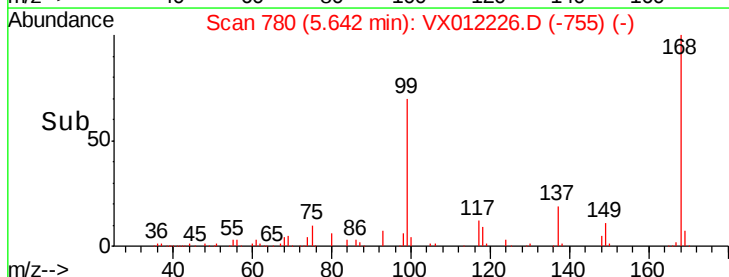
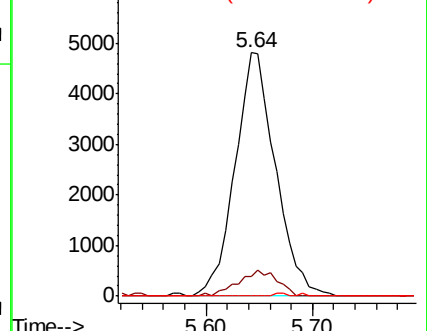
77 0.0 24.6 37.0#

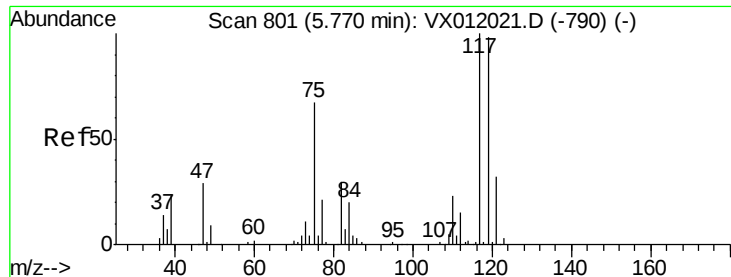


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.351 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX012226.D

Acq: 08 Sep 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

PAR-11-B1-(0)

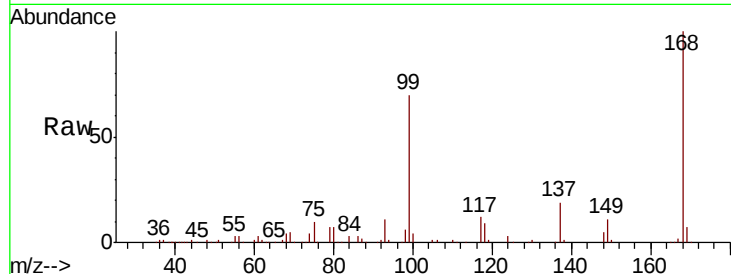
Tgt Ion:117 Resp: 16210

Ion Ratio Lower Upper

117 100

119 5.2 78.3 117.5#

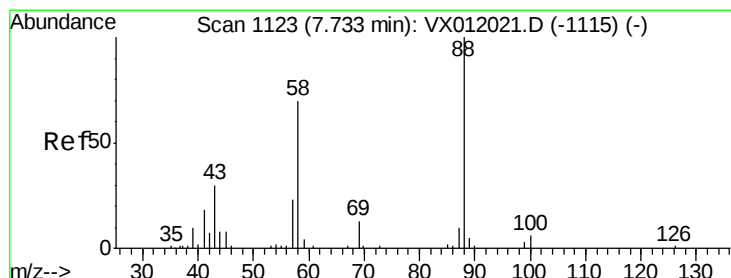
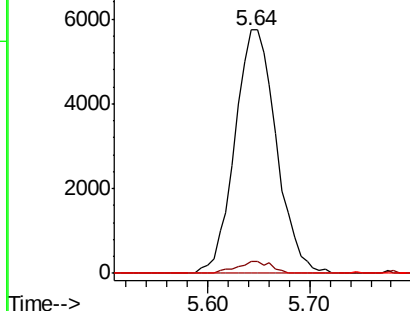
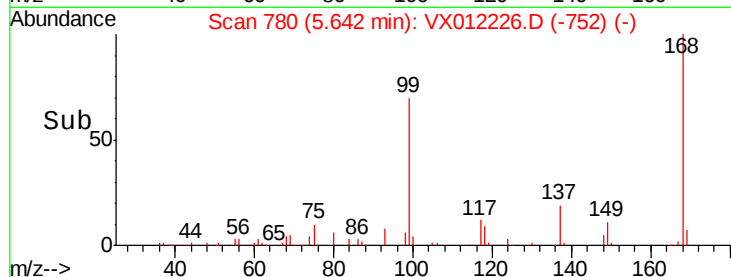
121 0.0 24.2 36.2#



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: 1.387 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.04 min

Lab File: VX012226.D

Acq: 08 Sep 2019 16:40

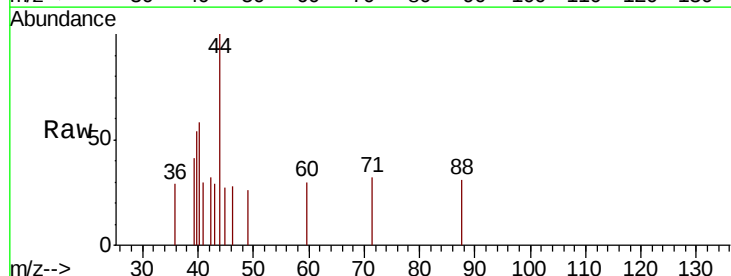
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 463.6 29.8 44.6#

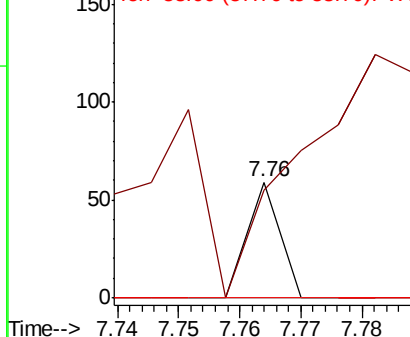
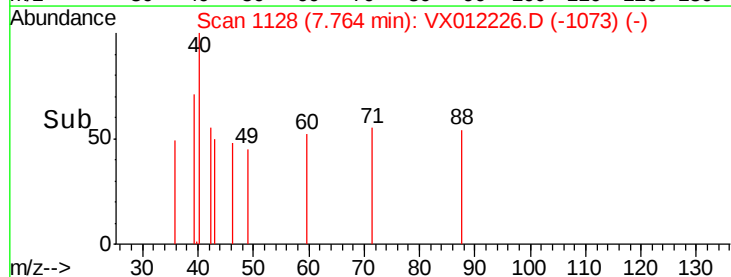
58 0.0 55.4 83.2#

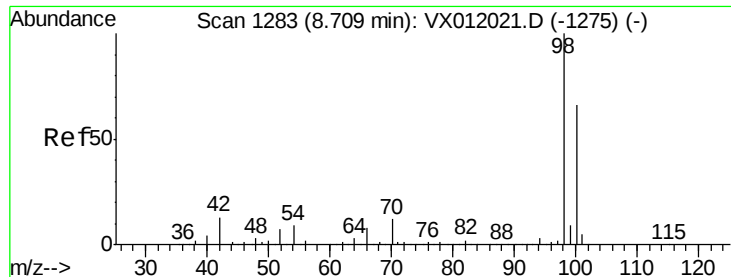


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

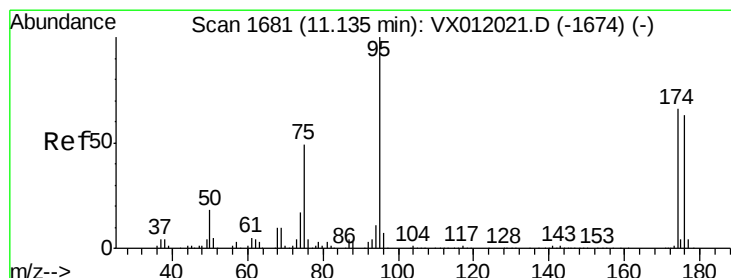
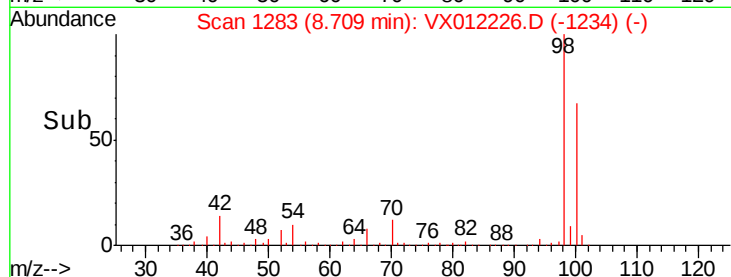
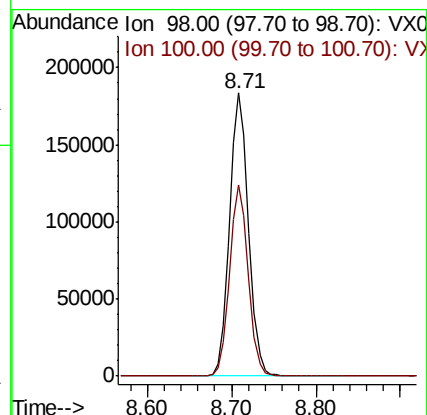
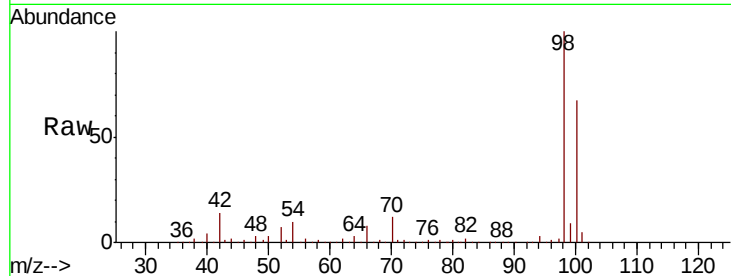




#50
Toluene-d8
Concen: 52.890 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012226.D
Acq: 08 Sep 2019 16:40

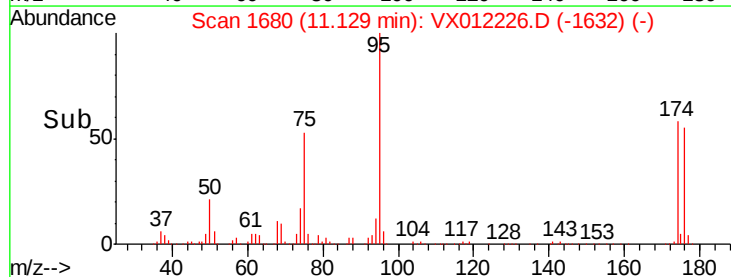
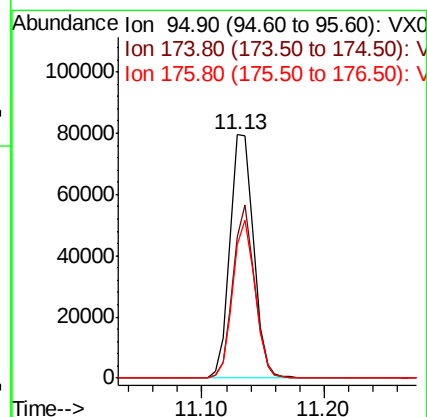
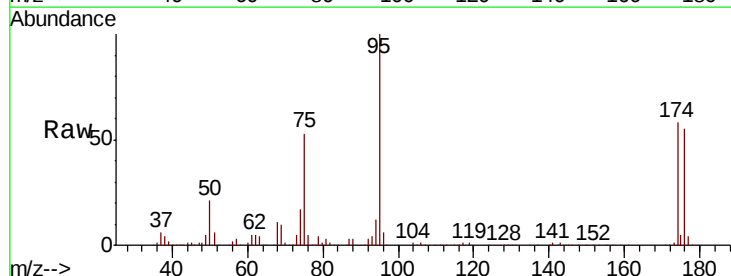
Instrument :
MSVOA_X
ClientSampleId :
PAR-11-B1-(0)

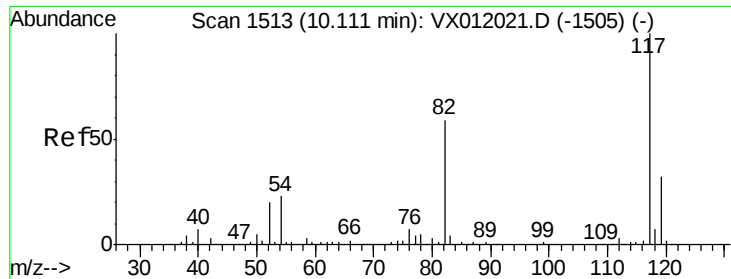
Tgt Ion: 98 Resp: 283598
Ion Ratio Lower Upper
98 100
100 66.3 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 42.539 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX012226.D
Acq: 08 Sep 2019 16:40

Tgt Ion: 95 Resp: 106076
Ion Ratio Lower Upper
95 100
174 65.1 0.0 205.4
176 61.2 0.0 201.8

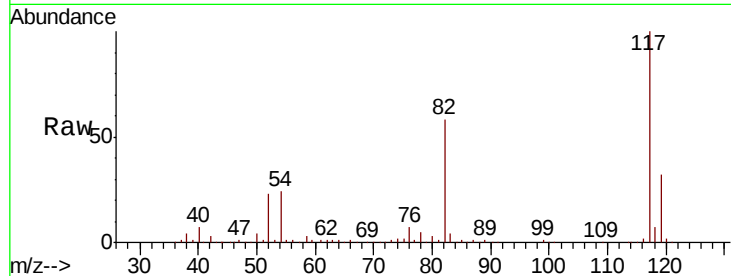




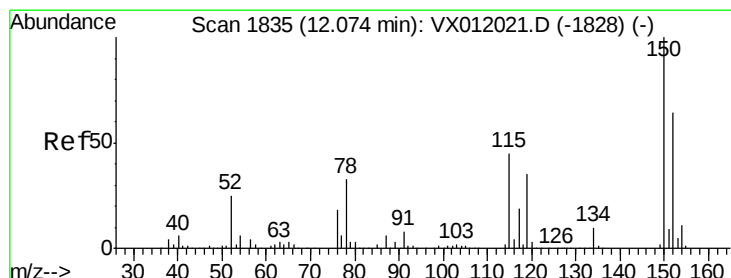
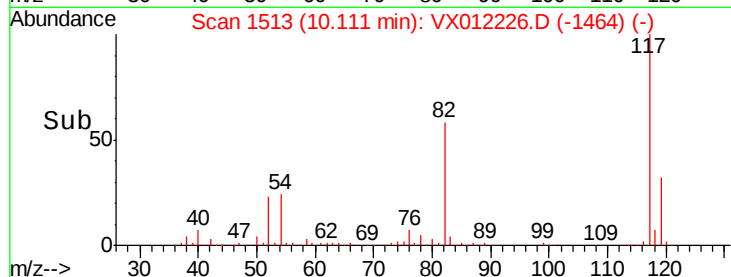
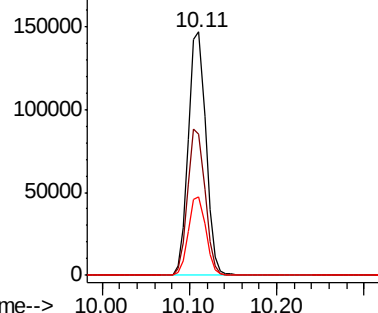
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012226.D
Acq: 08 Sep 2019 16:40

Instrument :
MSVOA_X
ClientSampleId :
PAR-11-B1-(0)

Tgt Ion:117 Resp: 204567
Ion Ratio Lower Upper
117 100
82 58.0 39.4 59.0
119 32.2 26.1 39.1

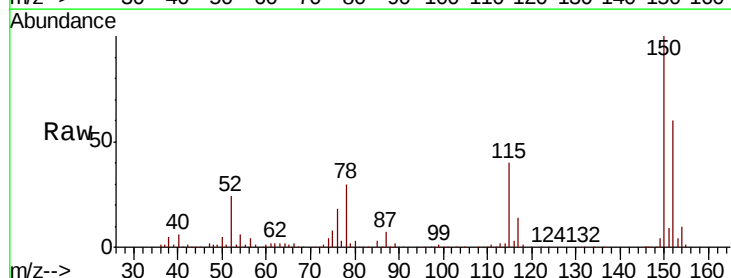


Abundance Ion 116.90 (116.60 to 117.60): V
200000 Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

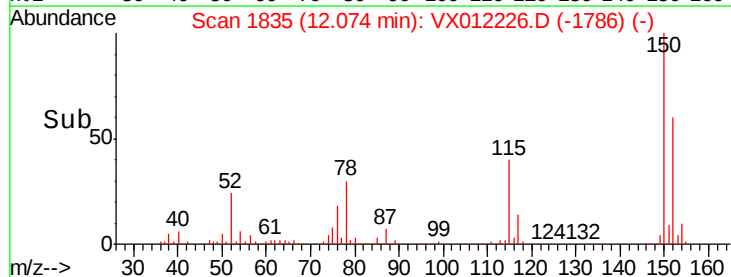
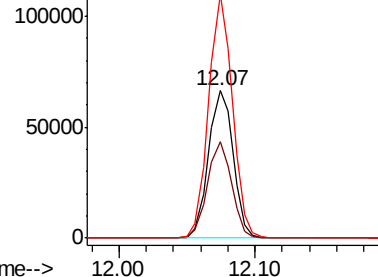


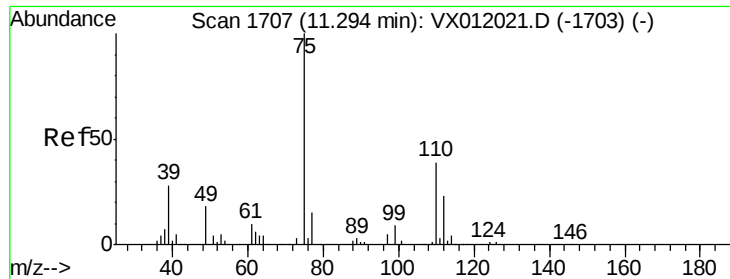
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012226.D
Acq: 08 Sep 2019 16:40

Tgt Ion:152 Resp: 84244
Ion Ratio Lower Upper
152 100
115 64.1 36.4 109.3
150 158.9 0.0 341.2



Abundance Ion 151.90 (151.60 to 152.60): V
150000 Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 53.537 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012226.D

Acq: 08 Sep 2019 16:40

Instrument :

MSVOA_X

ClientSampleId :

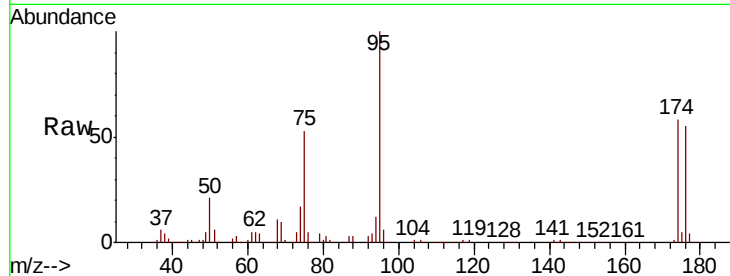
PAR-11-B1-(0)

Tgt Ion: 75 Resp: 55107

Ion Ratio Lower Upper

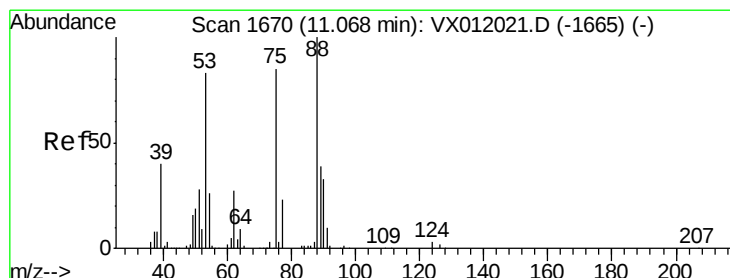
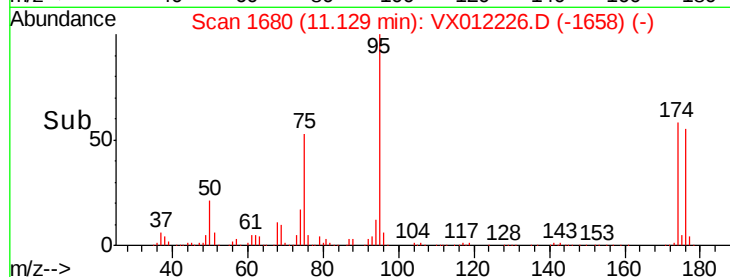
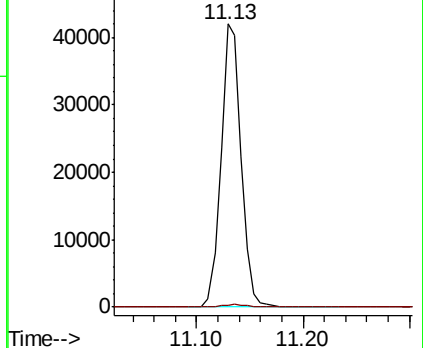
75 100

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: 126.569 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012226.D

Acq: 08 Sep 2019 16:40

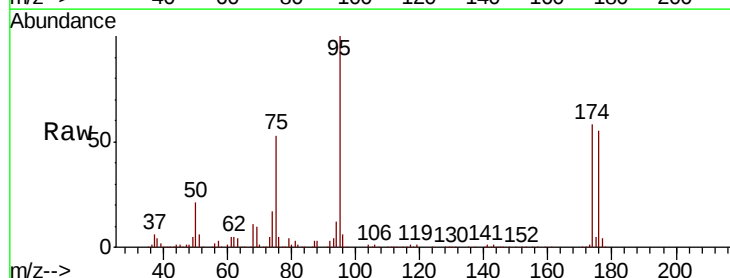
Tgt Ion: 75 Resp: 55107

Ion Ratio Lower Upper

75 100

53 0.0 78.6 117.8#

89 0.0 38.8 58.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

