

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091019\
 Data File : VX012254.D
 Acq On : 10 Sep 2019 14:36
 Operator : SY/SP
 Sample : K4624-01
 Misc : 4.19g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PAR-11-E4(0)

Quant Time: Sep 11 01:34:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	174894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	308123	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	258673	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	102402	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	120210	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
35) Dibromofluoromethane	5.48	113	92677	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	
50) Toluene-d8	8.71	98	360062	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
62) 4-Bromofluorobenzene	11.14	95	132626	41.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.58%	

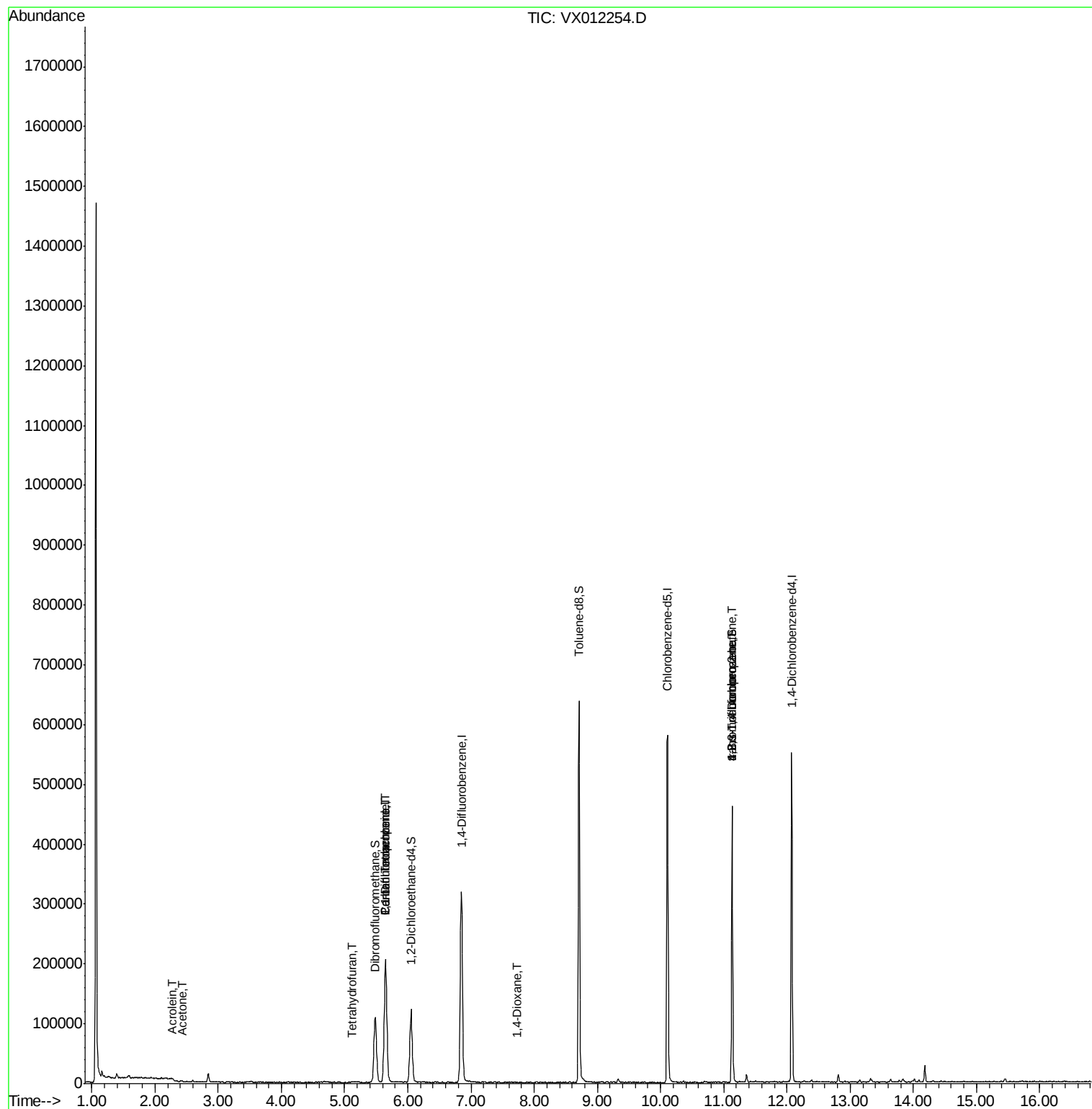
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.61	94	80	Below Cal	#	3
11) Tert butyl alcohol	3.03	59	266	Below Cal	#	1
13) Acrolein	2.28	56	278	2.151	ug/l	87
16) Acetone	2.43	43	2421	4.136	ug/l	94
29) Tetrahydrofuran	5.12	42	645	1.598	ug/l #	56
36) 1,1-Dichloropropene	5.64	75	16323	7.265	ug/l #	53
38) Carbon Tetrachloride	5.65	117	20868	7.917	ug/l #	12
49) 1,4-Dioxane	7.73	88	24	1.269	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	70040	53.242	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	70040	159.525	ug/l #	5

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

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QLast Update : Tue Sep 10 12:55:26 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: VX012254.D

Acq: 10 Sep 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

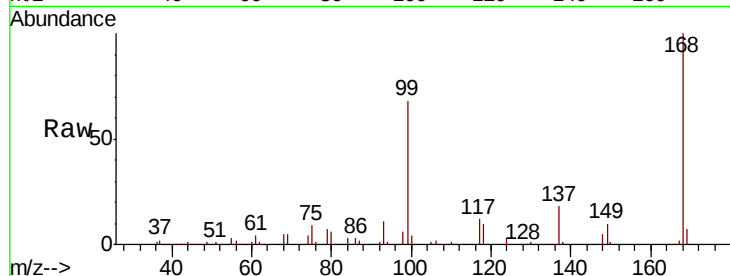
PAR-11-E4-(0)

Tgt Ion: 168 Resp: 174894

Ion Ratio Lower Upper

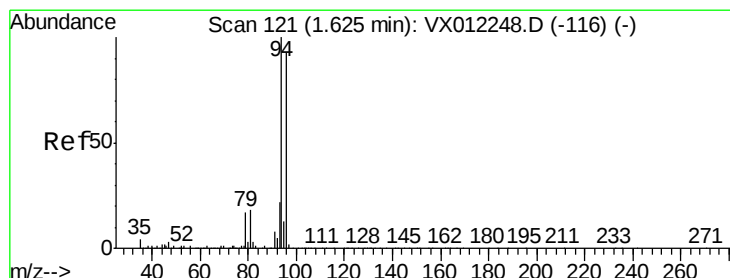
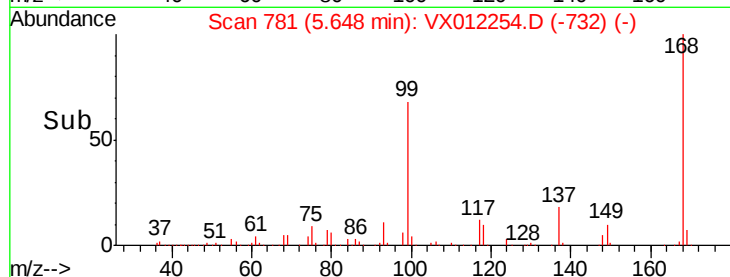
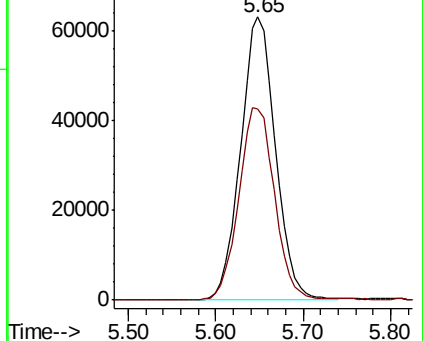
168 100

99 67.7 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 118

Delta R.T. -0.02 min

Lab File: VX012254.D

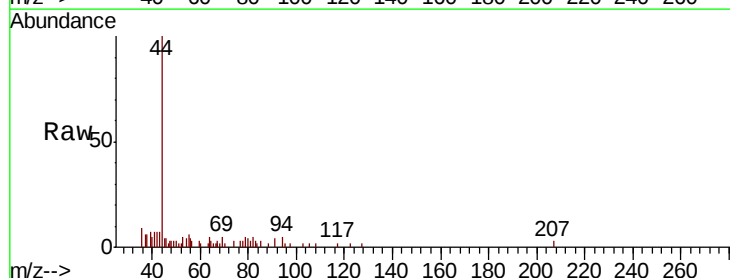
Acq: 10 Sep 2019 14:36

Tgt Ion: 94 Resp: 80

Ion Ratio Lower Upper

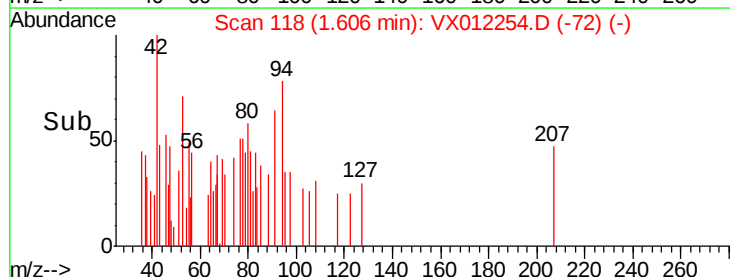
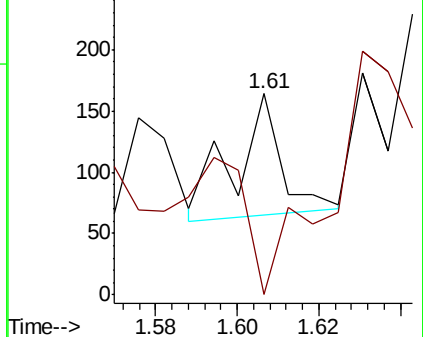
94 100

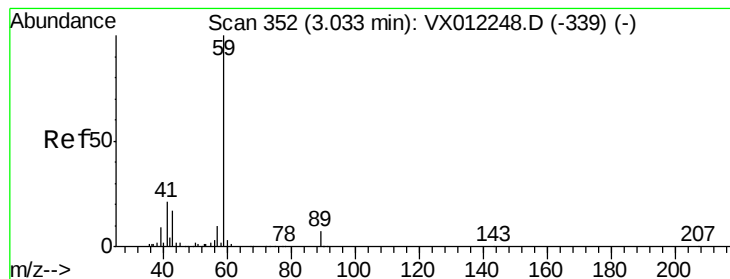
96 0.0 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.03 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX012254.D

Acq: 10 Sep 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

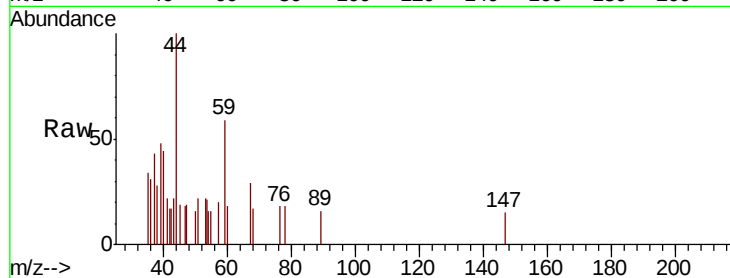
PAR-11-E4(0)

Tgt Ion: 59 Resp: 266

Ion Ratio Lower Upper

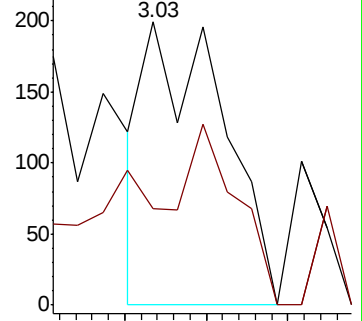
59 100

57 48.1 7.8 11.6#

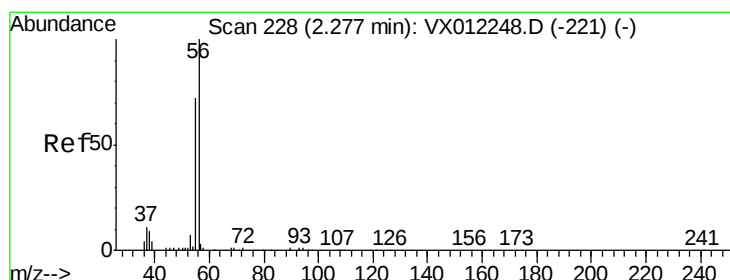
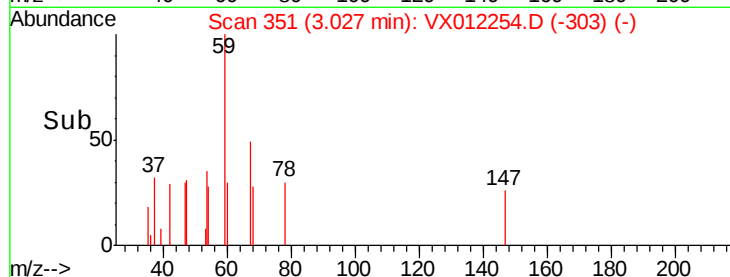


Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



Time-->



#13

Acrolein

Concen: 2.151 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX012254.D

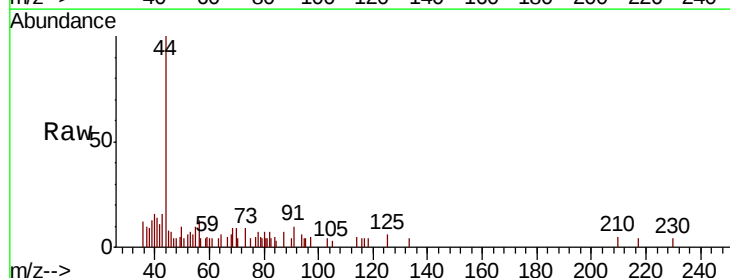
Acq: 10 Sep 2019 14:36

Tgt Ion: 56 Resp: 278

Ion Ratio Lower Upper

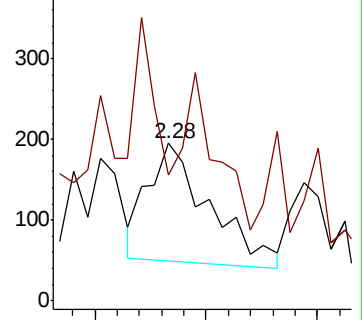
56 100

55 64.0 59.8 89.6

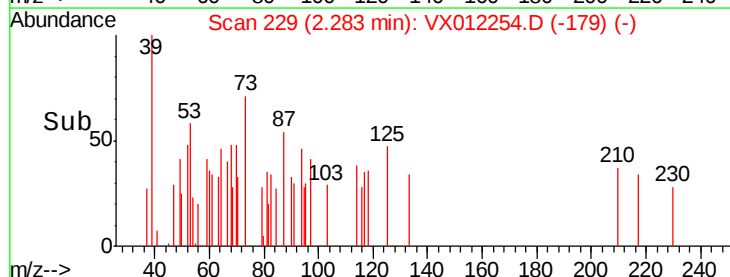


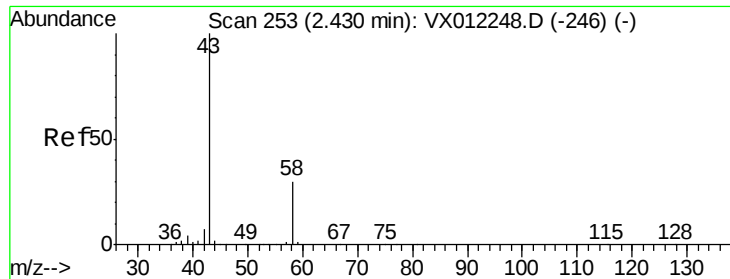
Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->





#16

Acetone

Concen: 4.136 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012254.D

Acq: 10 Sep 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

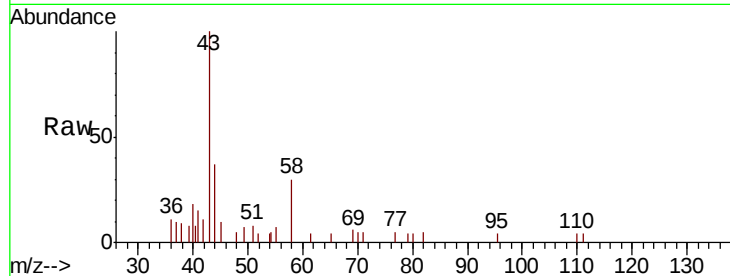
PAR-11-E4(0)

Tgt Ion: 43 Resp: 2421

Ion Ratio Lower Upper

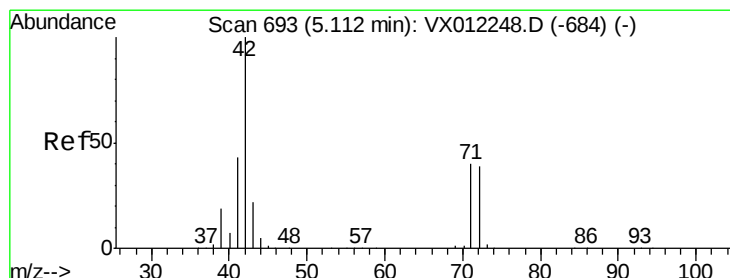
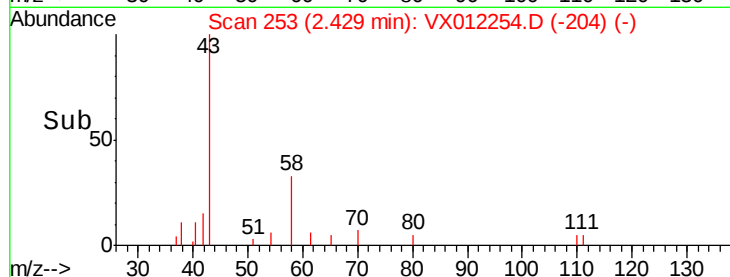
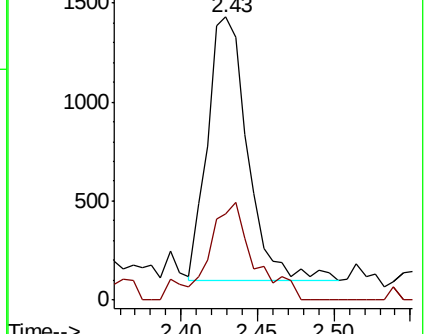
43 100

58 32.7 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#29

Tetrahydrofuran

Concen: 1.598 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.01 min

Lab File: VX012254.D

Acq: 10 Sep 2019 14:36

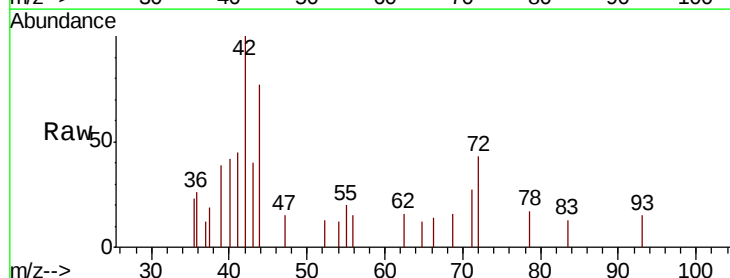
Tgt Ion: 42 Resp: 645

Ion Ratio Lower Upper

42 100

72 60.3 35.2 52.8#

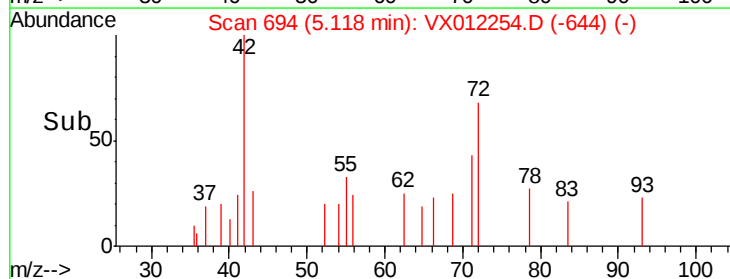
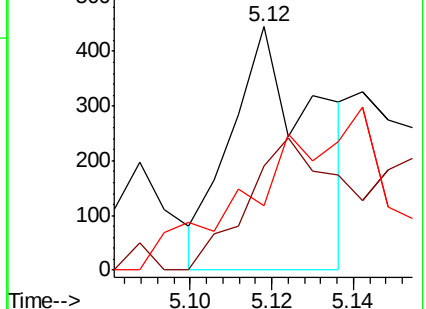
71 0.0 32.5 48.7#

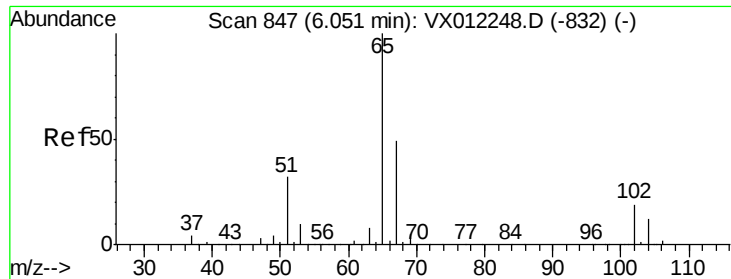


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

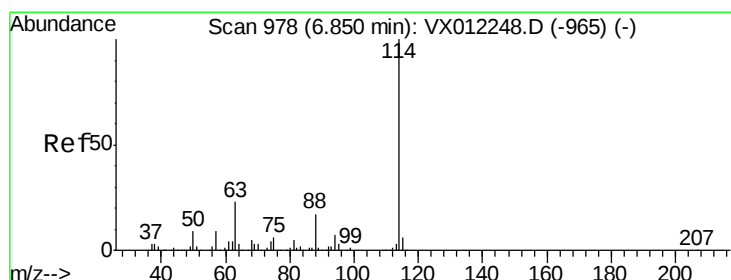
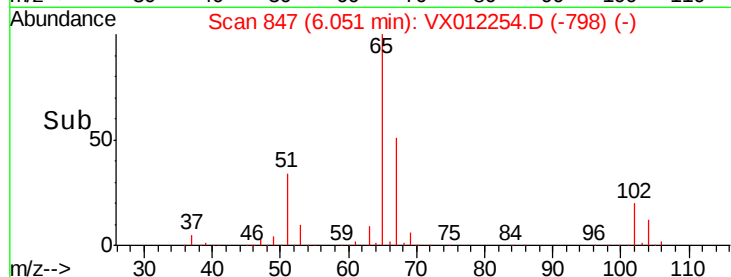
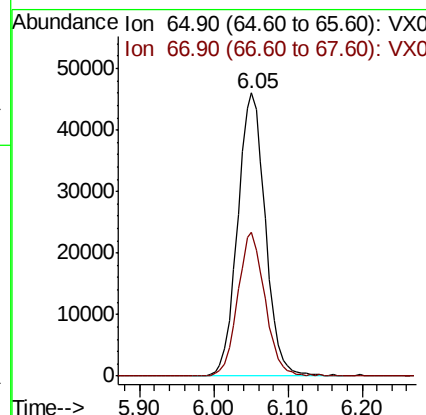
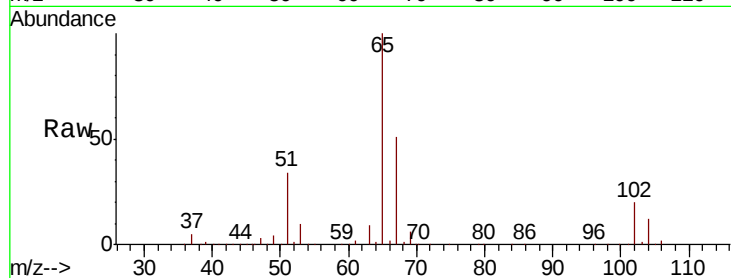




#33
 1,2-Dichloroethane-d4
 Concen: 48.616 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012254.D
 Acq: 10 Sep 2019 14:36

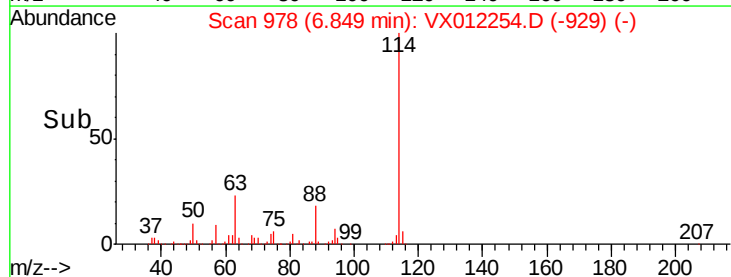
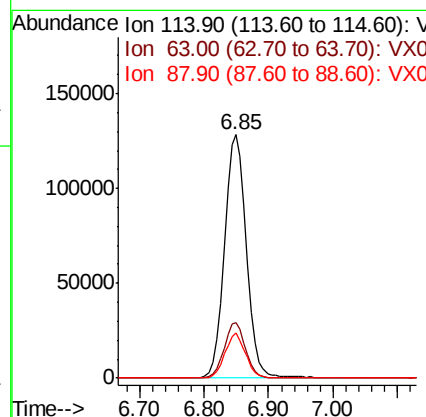
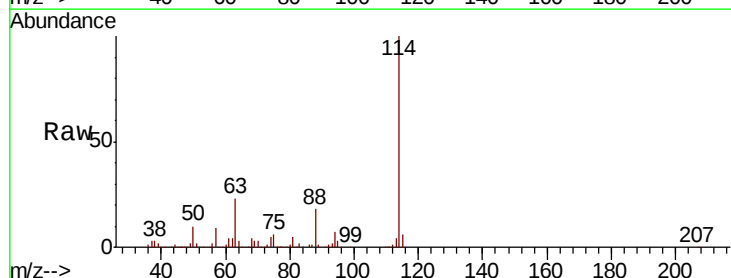
Instrument :
 MSVOA_X
 ClientSampleId :
 PAR-11-E4-(0)

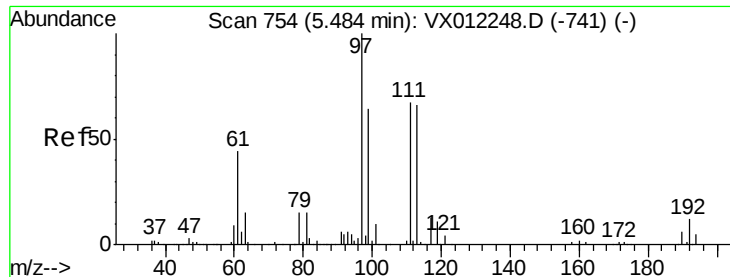
Tgt Ion: 65 Resp: 120210
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012254.D
 Acq: 10 Sep 2019 14:36

Tgt Ion: 114 Resp: 308123
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.2
 88 18.3 0.0 34.8





#35

Dibromofluoromethane

Concen: 46.920 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012254.D

Acq: 10 Sep 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

PAR-11-E4-(0)

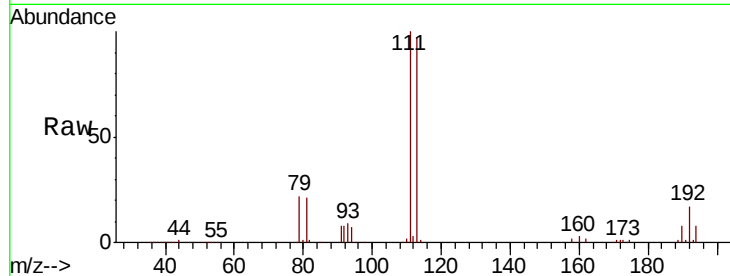
Tgt Ion:113 Resp: 92677

Ion Ratio Lower Upper

113 100

111 104.3 83.0 124.6

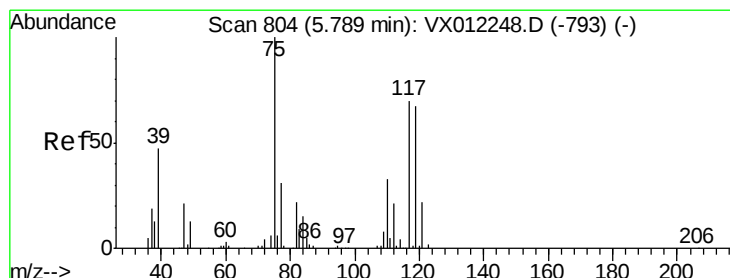
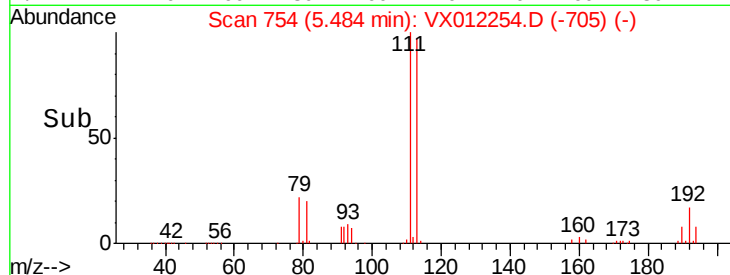
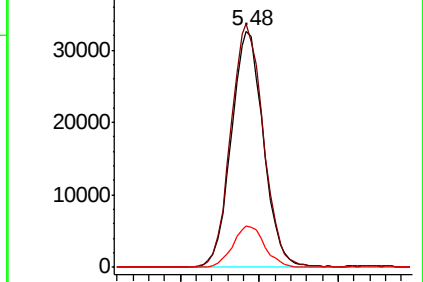
192 17.4 14.3 21.5



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: 7.265 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012254.D

Acq: 10 Sep 2019 14:36

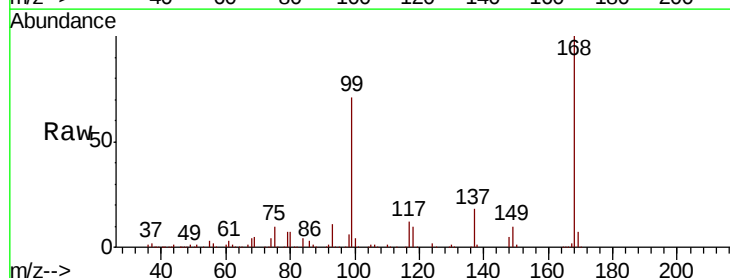
Tgt Ion: 75 Resp: 16323

Ion Ratio Lower Upper

75 100

110 11.0 16.8 50.4#

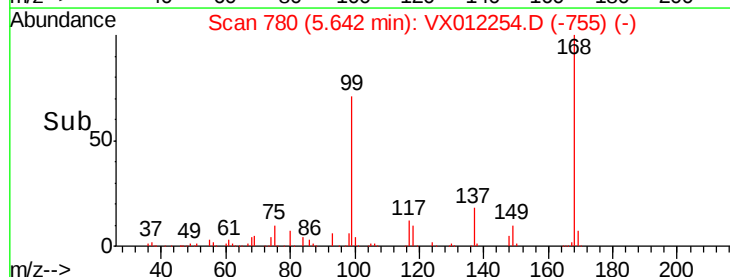
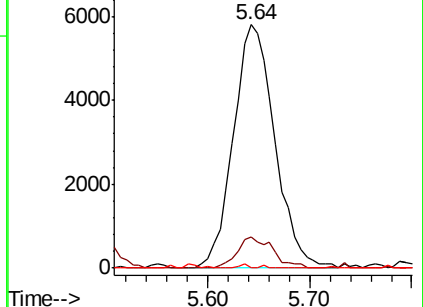
77 0.3 24.5 36.7#

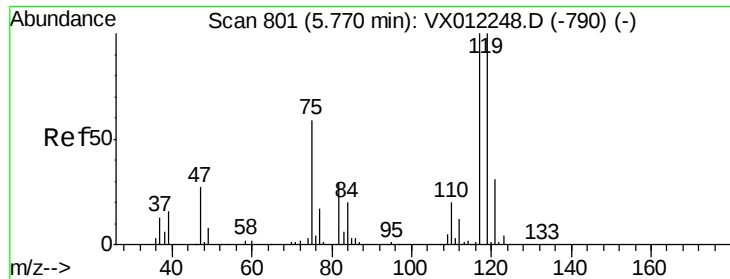


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

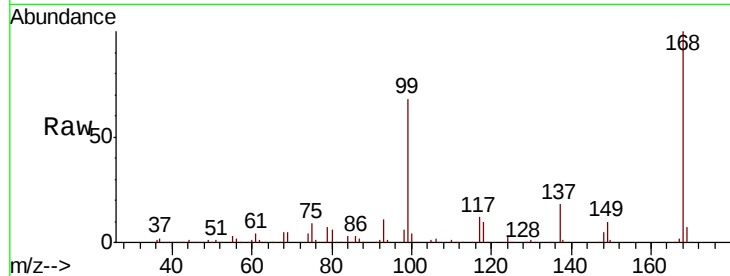




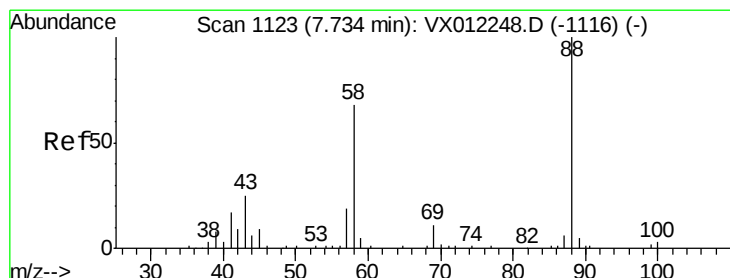
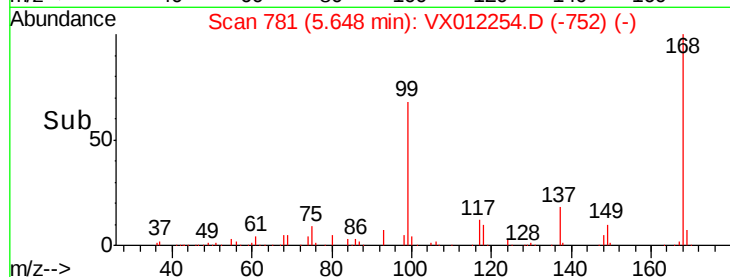
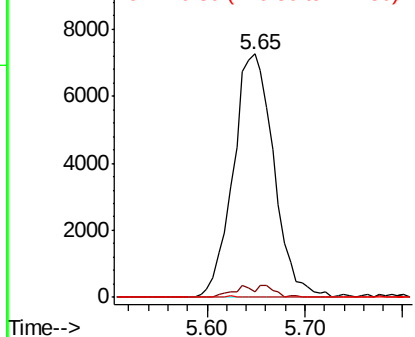
#38
Carbon Tetrachloride
Concen: 7.917 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.12 min
Lab File: VX012254.D
Acq: 10 Sep 2019 14:36

Instrument :
MSVOA_X
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PAR-11-E4-(0)

Tgt Ion: 117 Resp: 20868
Ion Ratio Lower Upper
117 100
119 2.4 79.6 119.4#
121 0.0 24.7 37.1#

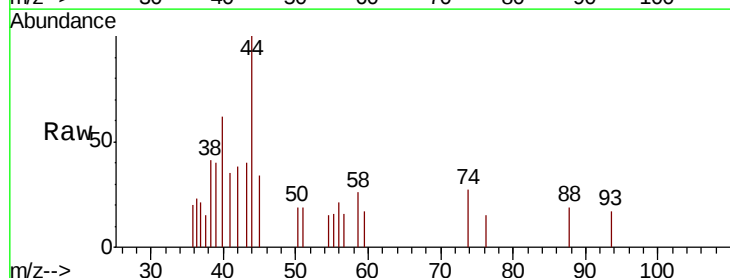


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

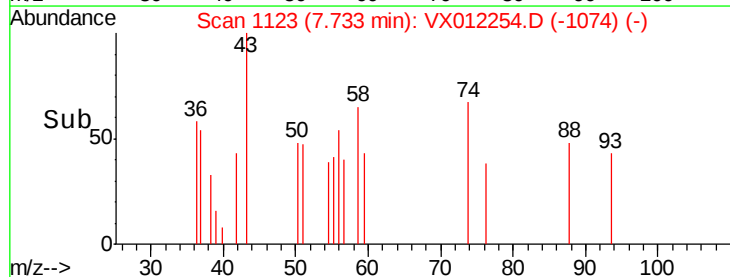
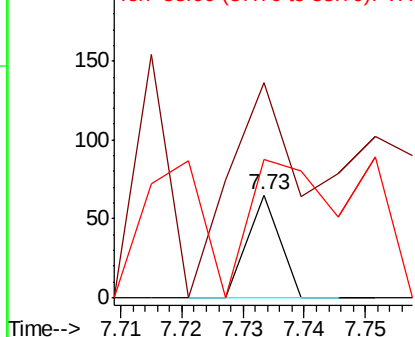


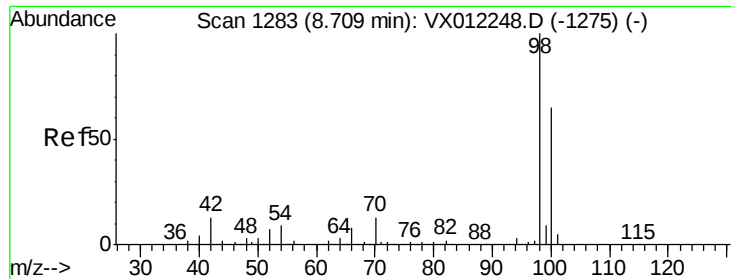
#49
1,4-Dioxane
Concen: 1.269 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. -0.00 min
Lab File: VX012254.D
Acq: 10 Sep 2019 14:36

Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 537.5 31.0 46.4#
58 470.8 61.5 92.3#



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: 51.974 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012254.D

Acq: 10 Sep 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

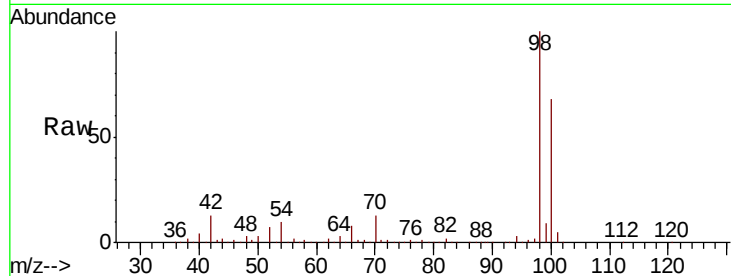
PAR-11-E4(0)

Tgt Ion: 98 Resp: 360062

Ion Ratio Lower Upper

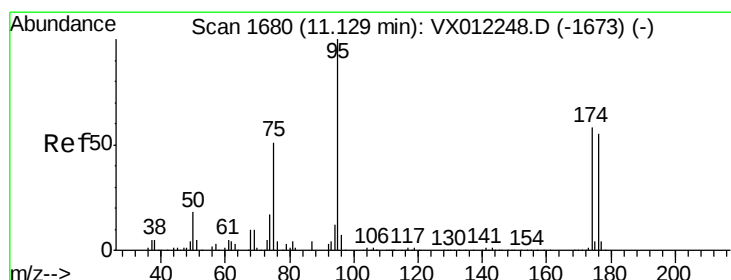
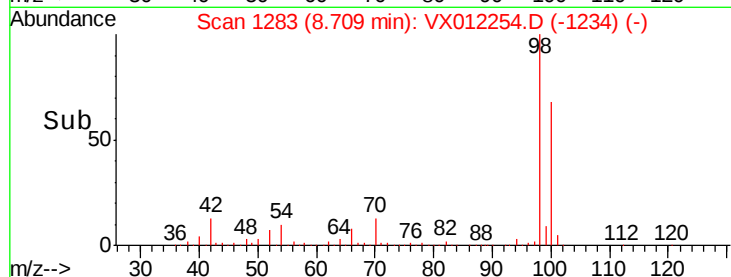
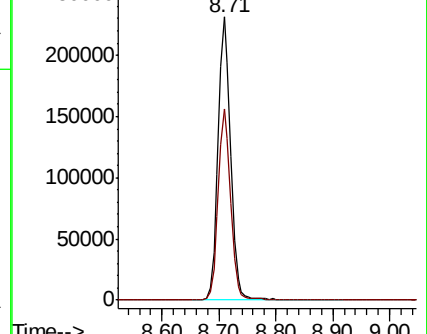
98 100

100 67.1 54.1 81.1



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 41.295 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX012254.D

Acq: 10 Sep 2019 14:36

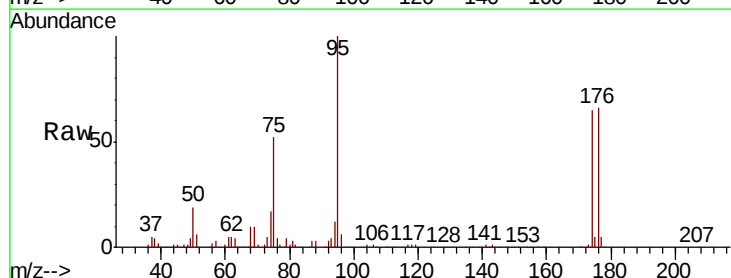
Tgt Ion: 95 Resp: 132626

Ion Ratio Lower Upper

95 100

174 65.4 0.0 127.0

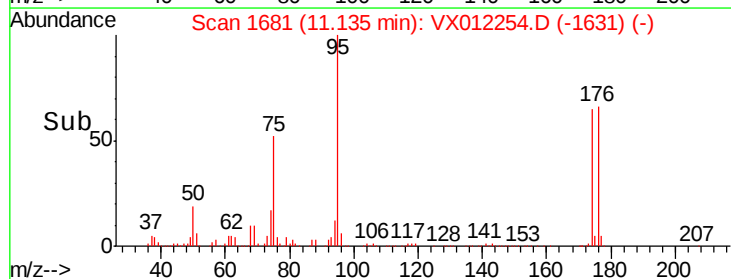
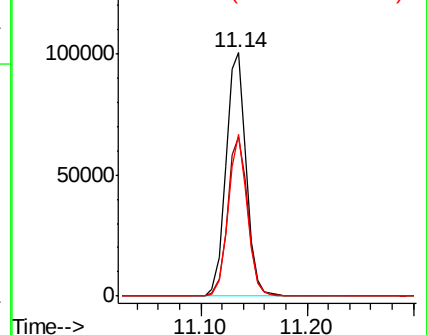
176 62.8 0.0 125.8

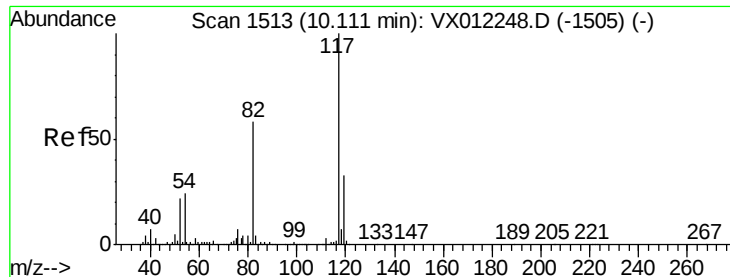


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

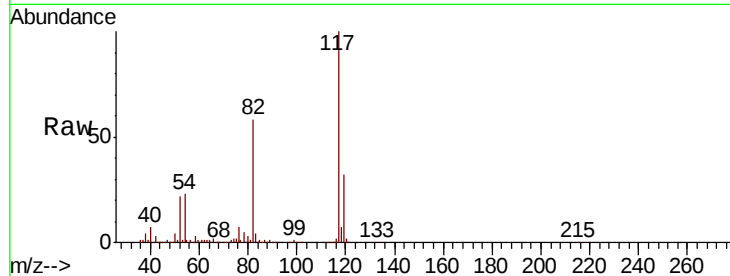




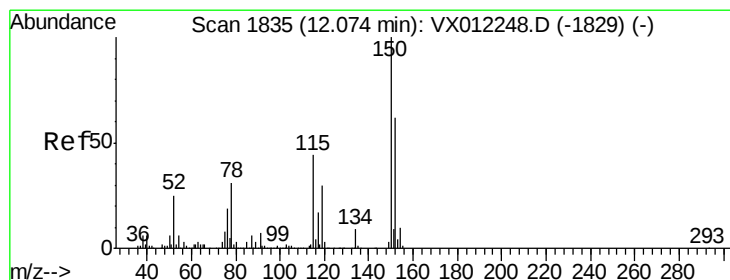
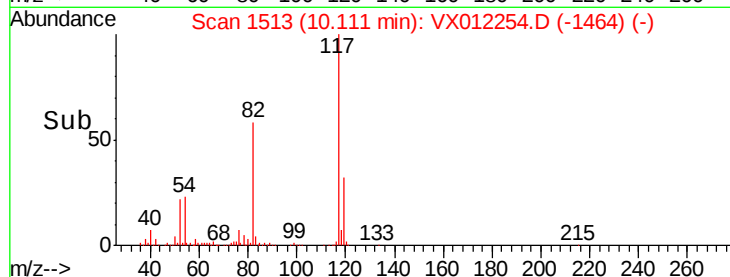
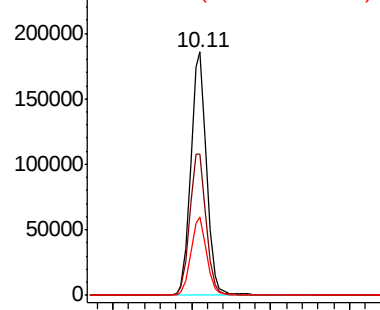
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012254.D
Acq: 10 Sep 2019 14:36

Instrument :
MSVOA_X
ClientSampleId :
PAR-11-E4-(0)

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.8	46.4	69.6
119	32.0	26.6	39.8

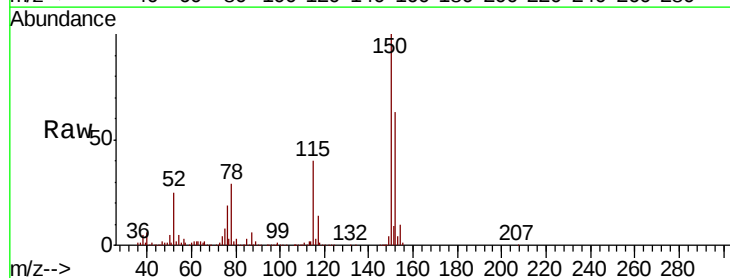


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

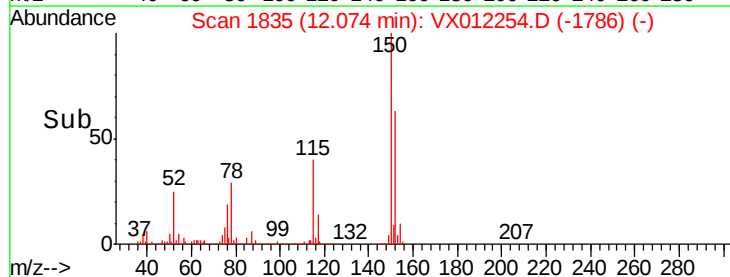
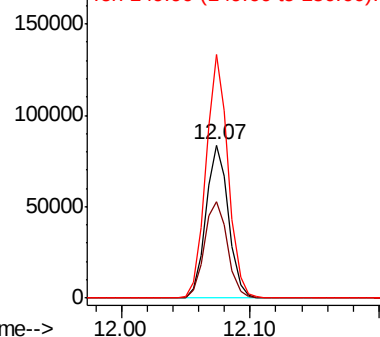


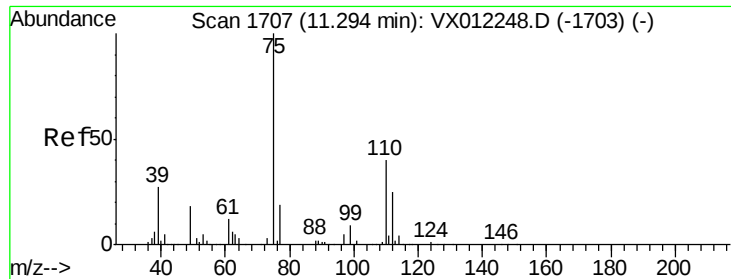
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012254.D
Acq: 10 Sep 2019 14:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.7	45.5	136.4
150	156.5	0.0	346.4



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: 53.242 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012254.D

Acq: 10 Sep 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

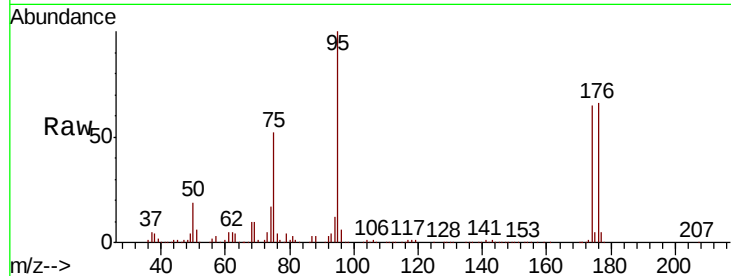
PAR-11-E4-(0)

Tgt Ion: 75 Resp: 70040

Ion Ratio Lower Upper

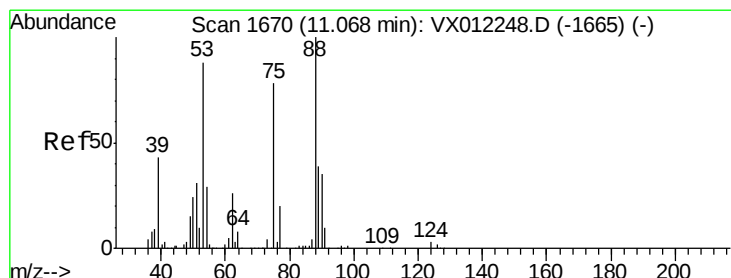
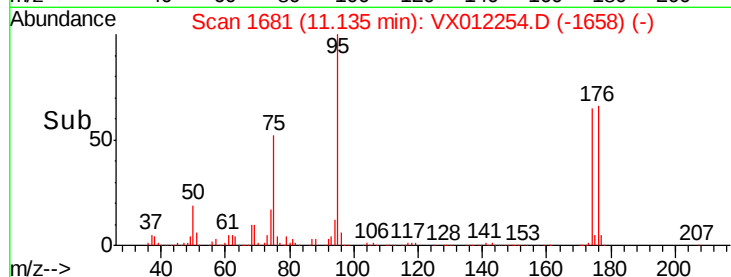
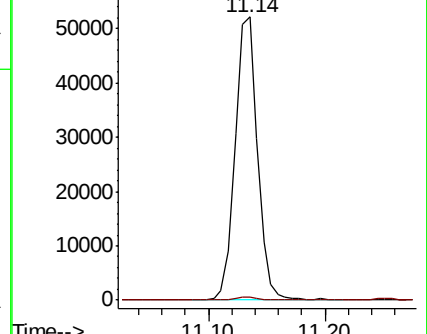
75 100

77 1.1 19.7 59.0#



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: 159.525 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012254.D

Acq: 10 Sep 2019 14:36

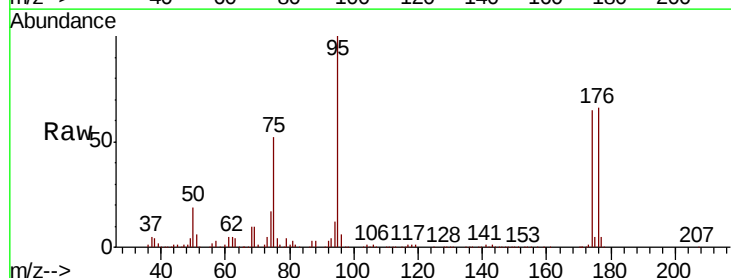
Tgt Ion: 75 Resp: 70040

Ion Ratio Lower Upper

75 100

53 0.2 88.1 132.1#

89 0.1 43.5 65.3#



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

