

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051920\
 Data File : VX016331.D
 Acq On : 19 May 2020 13:57
 Operator : JC/SP
 Sample : L2672-10DL 200X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW346-200514DL

Quant Time: May 20 03:46:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	241395	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	398050	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	394687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	200138	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	141494	44.54	ug/l	0.00
Spiked Amount			Recovery	=	89.08%	
35) Dibromofluoromethane	5.47	113	114800	45.52	ug/l	0.00
Spiked Amount			Recovery	=	91.04%	
50) Toluene-d8	8.70	98	492649	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
62) 4-Bromofluorobenzene	11.12	95	200914	54.36	ug/l	0.00
Spiked Amount			Recovery	=	108.72%	

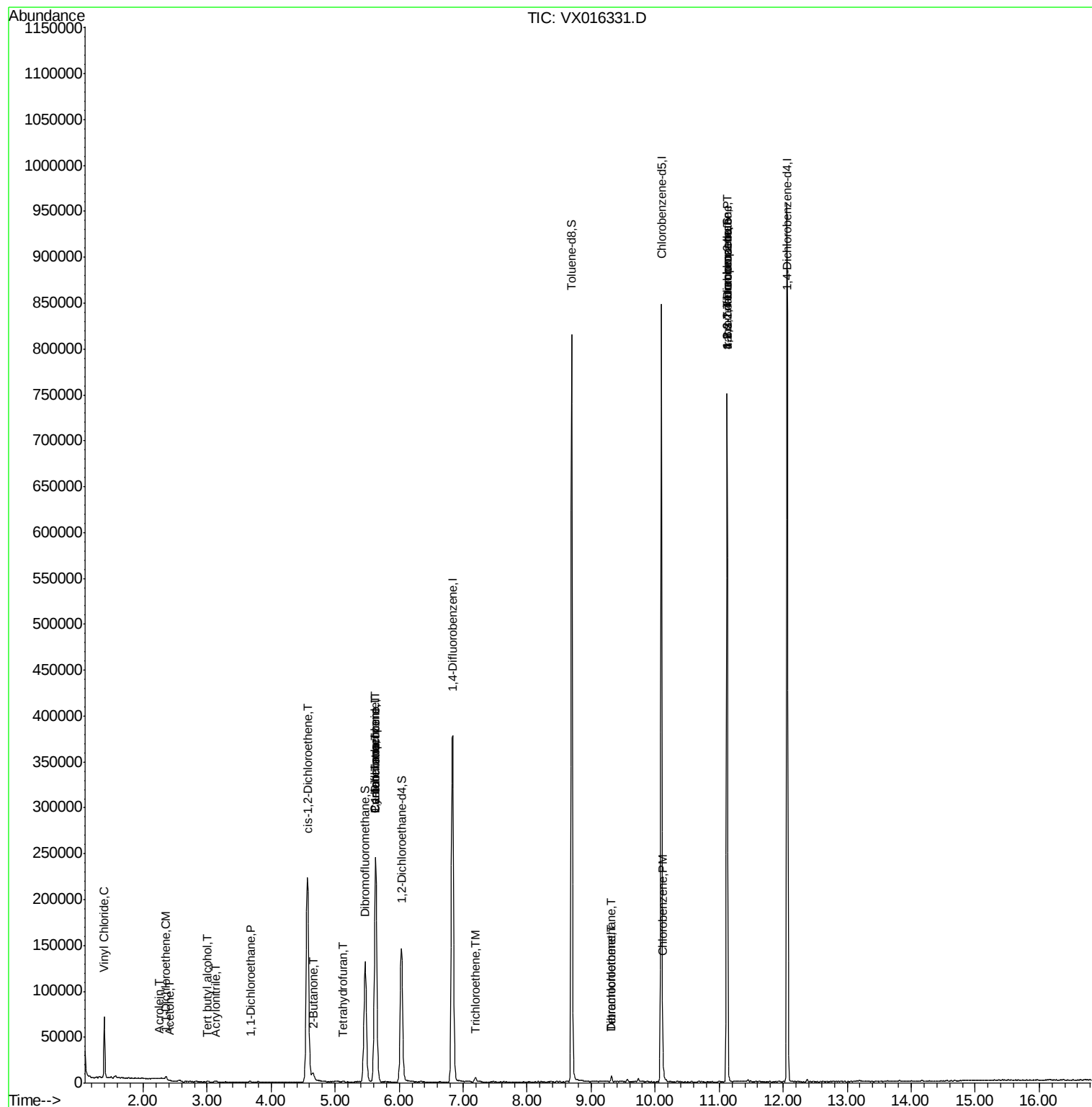
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	39186	12.378	ug/l	98
11) Tert butyl alcohol	3.01	59	378	0.471	ug/l #	72
12) 1,1-Dichloroethene	2.36	96	690	0.275	ug/l #	90
13) Acrolein	2.26	56	463	0.921	ug/l #	75
15) Acrylonitrile	3.12	53	349	0.209	ug/l #	27
16) Acetone	2.41	43	387	0.273	ug/l	97
17) Carbon Disulfide	2.56	76	964	Below Cal	#	88
24) 1,1-Dichloroethane	3.67	63	1331	0.274	ug/l #	82
25) 2-Butanone	4.65	43	724	0.317	ug/l #	48
27) cis-1,2-Dichloroethene	4.57	96	151662	49.610	ug/l	86
29) Tetrahydrofuran	5.12	42	343	0.227	ug/l #	31
31) Cyclohexane	5.64	56	4183	0.948	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	18171	4.638	ug/l #	49
38) Carbon Tetrachloride	5.63	117	23145	5.812	ug/l #	14
44) Trichloroethene	7.19	130	1926	0.473	ug/l	78
60) Dibromochloromethane	9.32	129	1185	0.383	ug/l #	11
64) Tetrachloroethene	9.32	164	1191	0.246	ug/l	94
65) Chlorobenzene	10.12	112	5170	0.626	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.12	83	108	2.089	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	95307	20.985	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	95307	50.010	ug/l #	13

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

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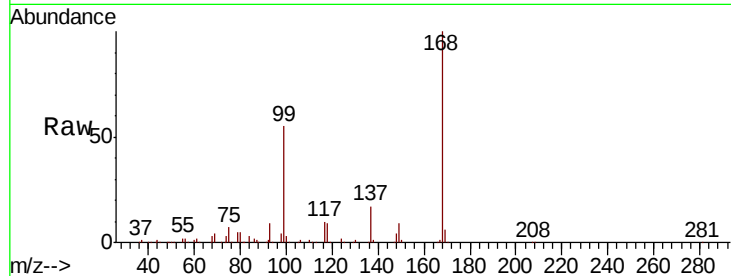


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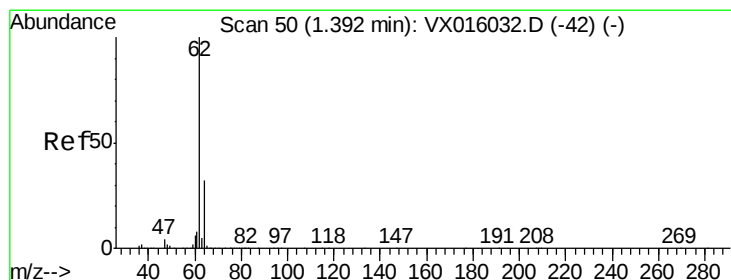
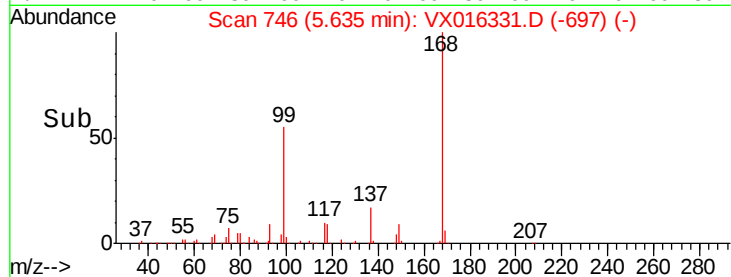
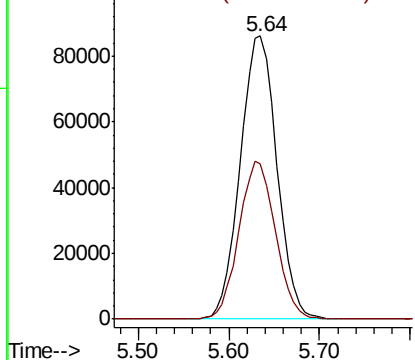
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.00 min
 Lab File: VX016331.D
 Acq: 19 May 2020 13:57

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW346-200514DL

Tot Ion:168 Resp: 241395
 Ion Ratio Lower Upper
 168 100
 99 55.1 45.0 67.4



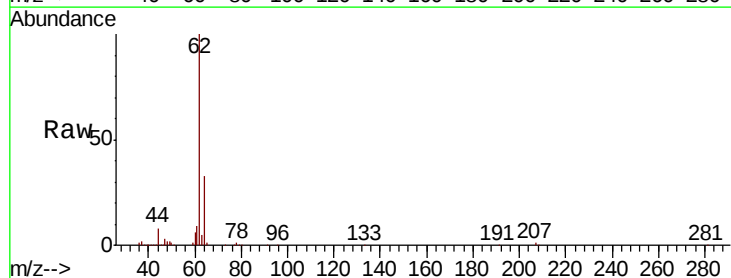
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VX0



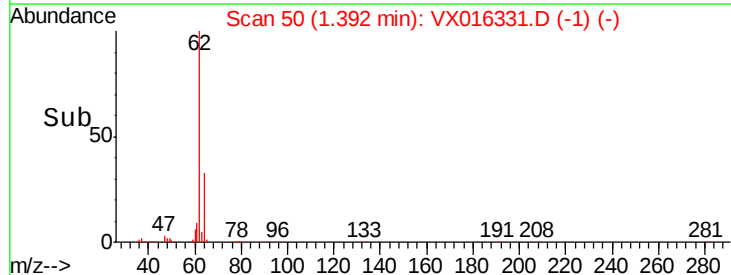
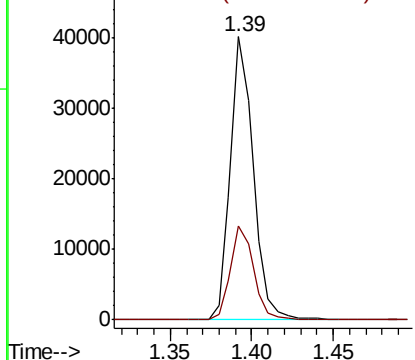
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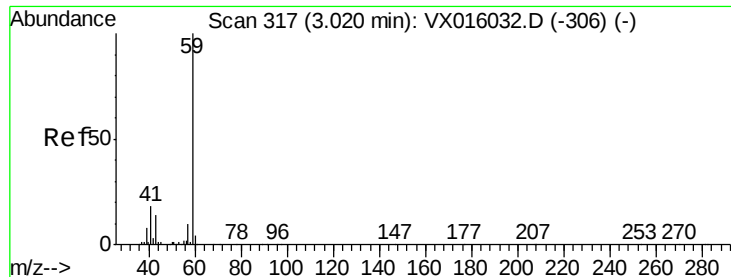
Vinyl Chloride
 Concen: 12.378 ug/l
 RT: 1.39 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VX016331.D
 Acq: 19 May 2020 13:57

Tgt Ion: 62 Resp: 39186
 Ion Ratio Lower Upper
 62 100
 64 33.0 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0
 Ion 63.90 (63.60 to 64.60): VX0



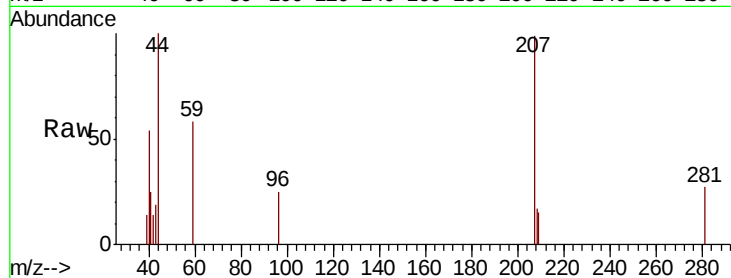


#11

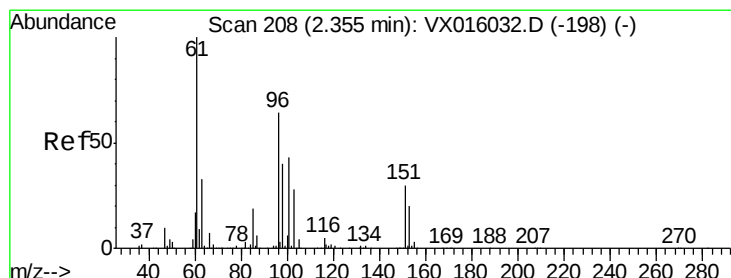
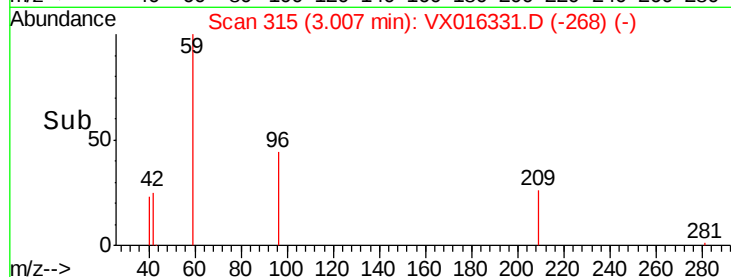
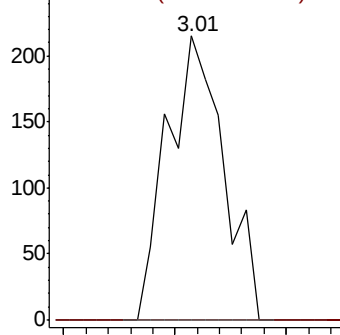
Tert butyl alcohol
Concen: 0.471 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX016331.D
Acq: 19 May 2020 13:57

Instrument :
MSVOA_X
ClientSampleId :
WP021MW346-200514DL

Tot Ion: 59 Resp: 378
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



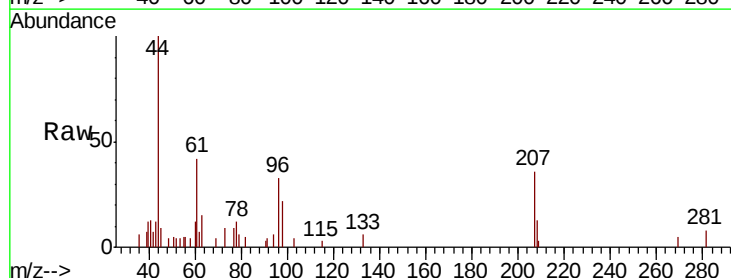
Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



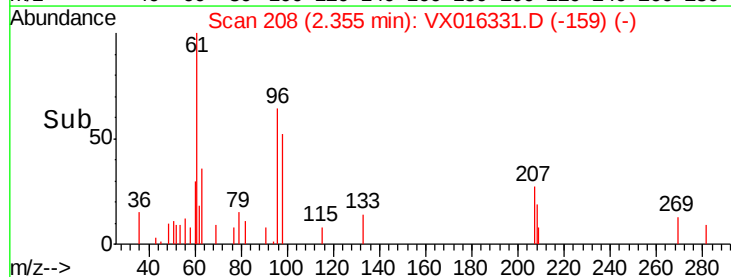
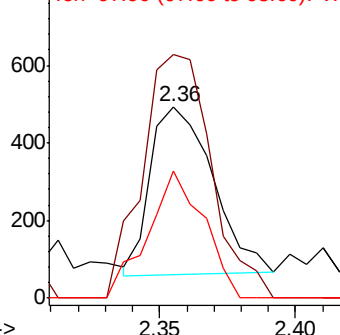
#12

1,1-Dichloroethene
Concen: 0.275 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX016331.D
Acq: 19 May 2020 13:57

Tgt Ion: 96 Resp: 690
Ion Ratio Lower Upper
96 100
61 147.8 124.8 187.2
98 77.4 49.7 74.5#



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#13

Acrolein

Concen: 0.921 ug/l

RT: 2.26 min Scan# 192

Delta R.T. -0.01 min

Lab File: VX016331.D

Acq: 19 May 2020 13:57

Instrument :

MSVOA_X

ClientSampleId :

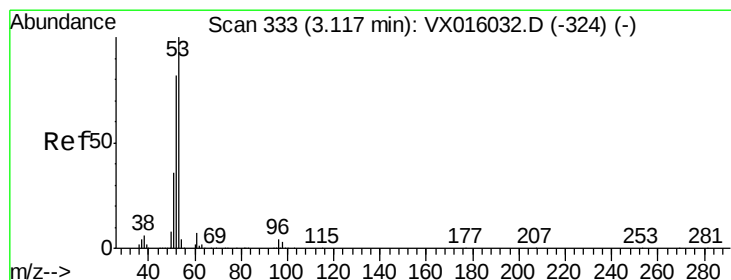
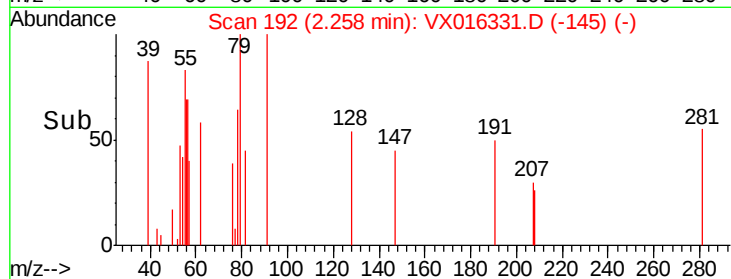
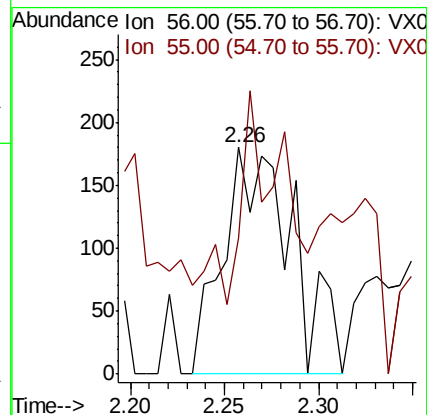
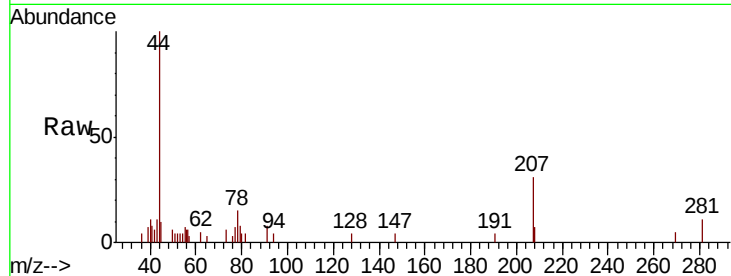
WP021MW346-200514DL

Tot Ion: 56 Resp: 463

Ion Ratio Lower Upper

56 100

55 50.1 56.5 84.7#



#15

Acrylonitrile

Concen: 0.209 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX016331.D

Acq: 19 May 2020 13:57

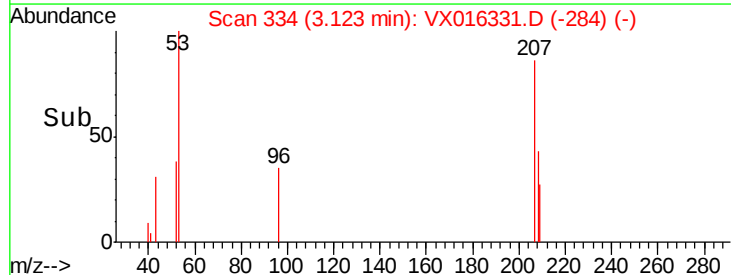
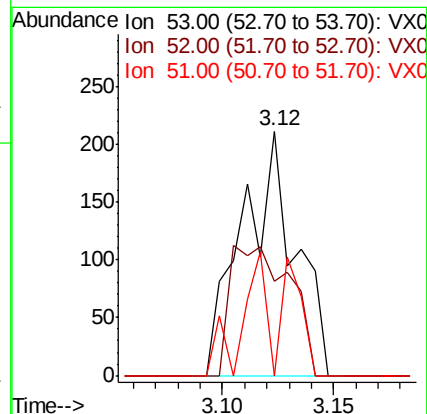
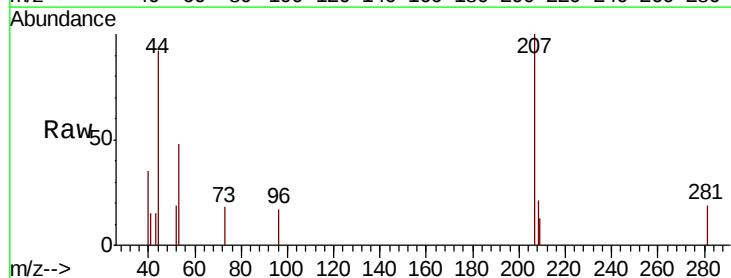
Tgt Ion: 53 Resp: 349

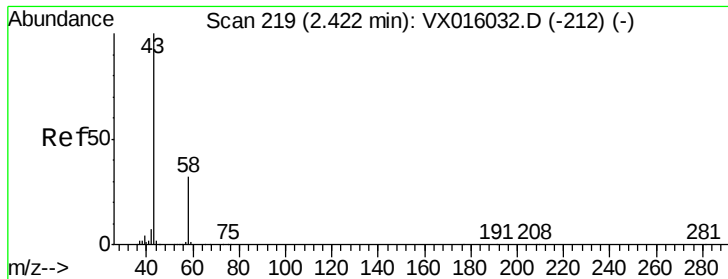
Ion Ratio Lower Upper

53 100

52 0.0 66.1 99.1#

51 17.8 28.8 43.2#





#16

Acetone

Concen: 0.273 ug/l

RT: 2.41 min Scan# 217

Delta R.T. -0.01 min

Lab File: VX016331.D

Acq: 19 May 2020 13:57

Instrument :

MSVOA_X

ClientSampleId :

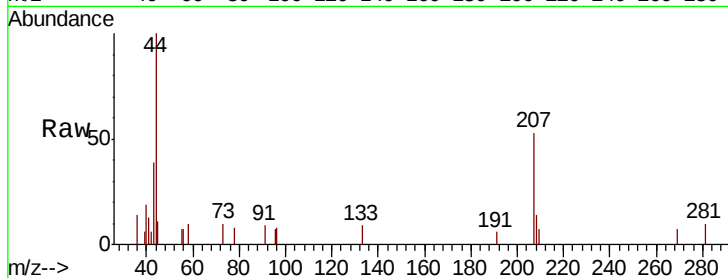
WP021MW346-200514DL

Tot Ion: 43 Resp: 387

Ion Ratio Lower Upper

43 100

58 33.5 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.41

300

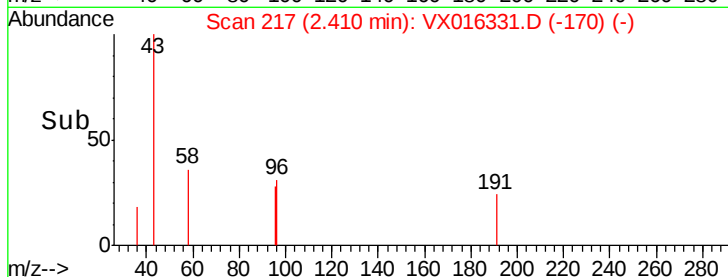
200

100

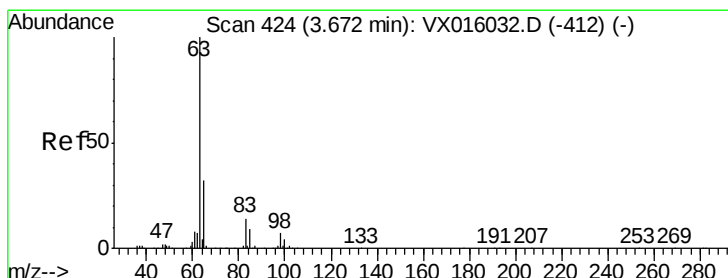
0

2.40

2.45



Time-->



#24

1,1-Dichloroethane

Concen: 0.274 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX016331.D

Acq: 19 May 2020 13:57

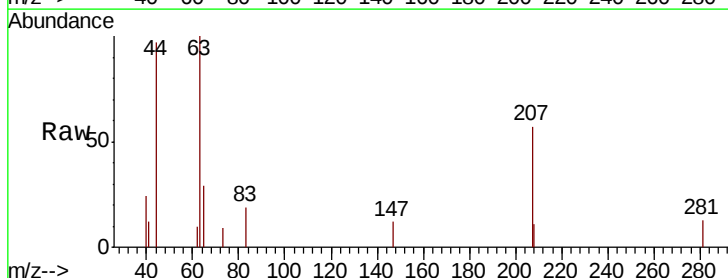
Tgt Ion: 63 Resp: 1331

Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.5#

100 0.0 2.1 6.5#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

800

600

400

200

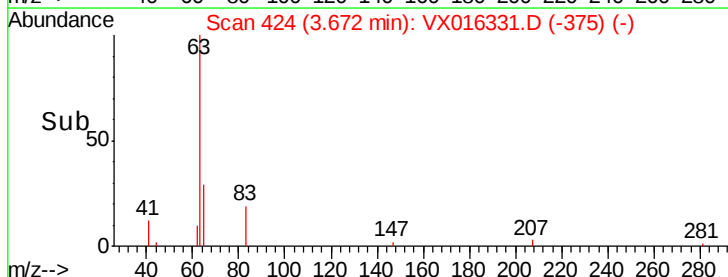
0

3.60

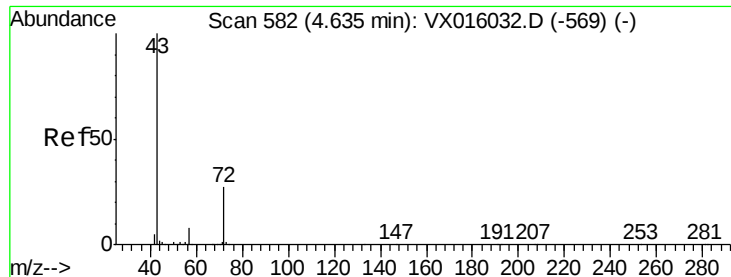
3.65

3.70

3.75



Time-->



#25

2-Butanone

Concen: 0.317 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX016331.D

Acq: 19 May 2020 13:57

Instrument :

MSVOA_X

ClientSampleId :

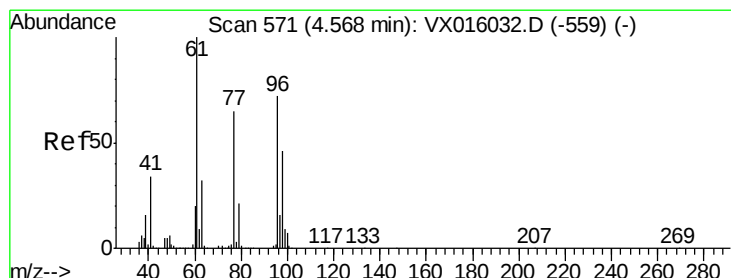
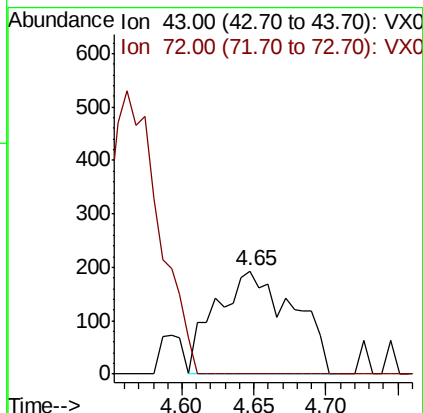
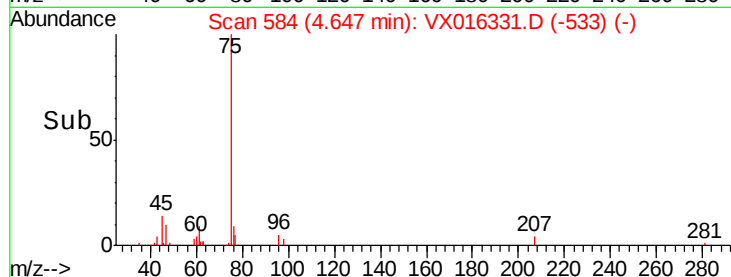
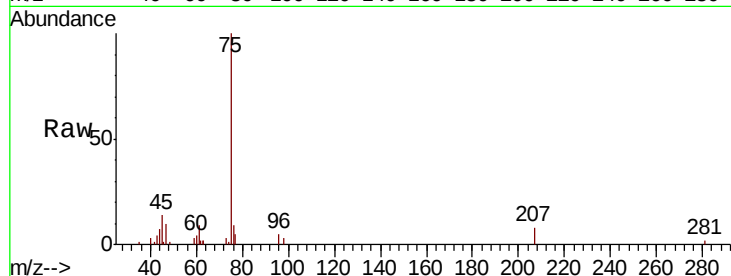
WP021MW346-200514DL

Tot Ion: 43 Resp: 724

Ion Ratio Lower Upper

43 100

72 0.0 21.8 32.8#



#27

cis-1,2-Dichloroethene

Concen: 49.610 ug/l

RT: 4.57 min Scan# 571

Delta R.T. -0.00 min

Lab File: VX016331.D

Acq: 19 May 2020 13:57

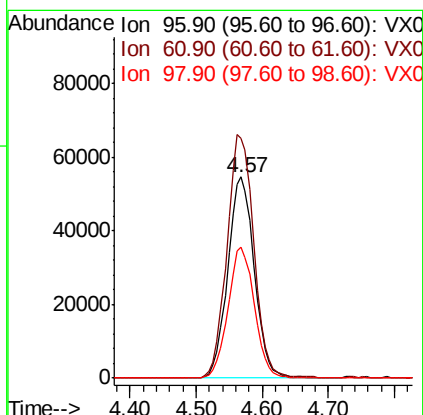
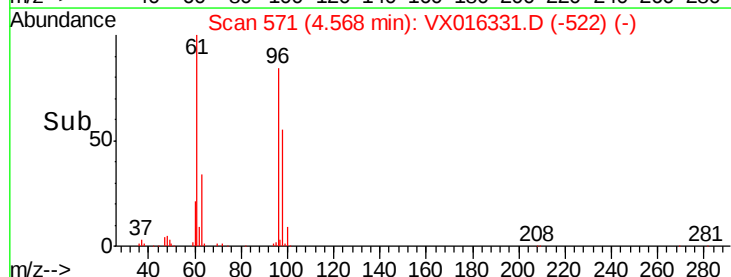
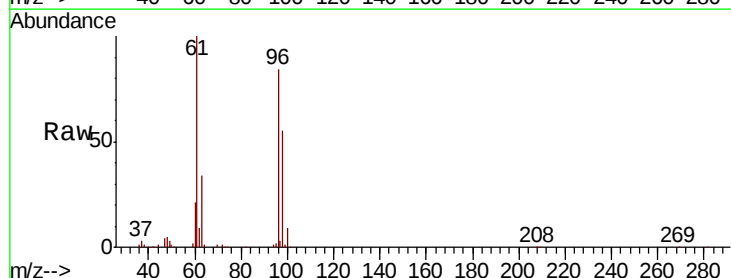
Tgt Ion: 96 Resp: 151662

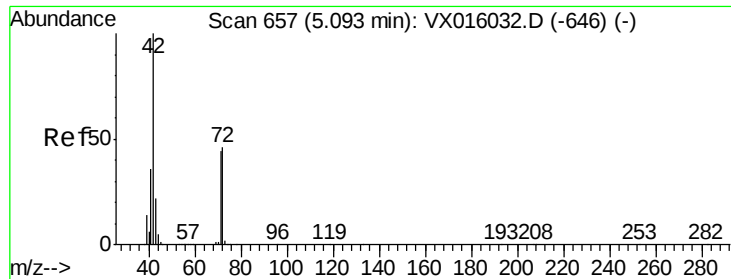
Ion Ratio Lower Upper

96 100

61 122.8 0.0 296.2

98 64.7 0.0 129.4

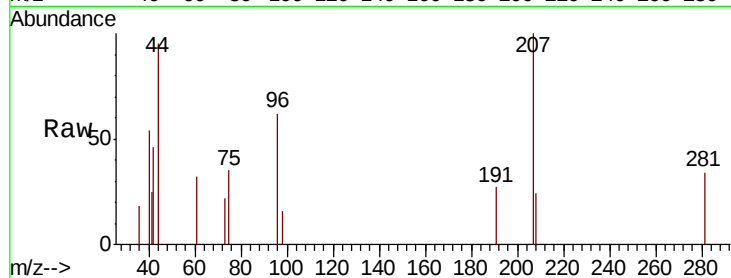




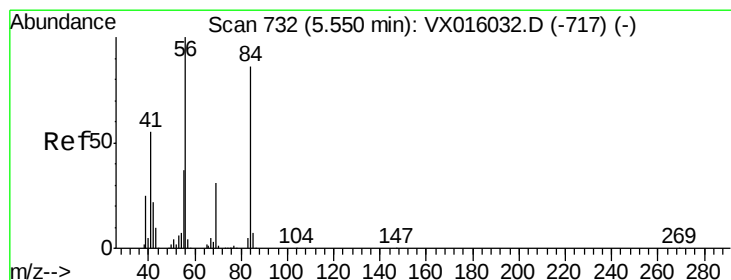
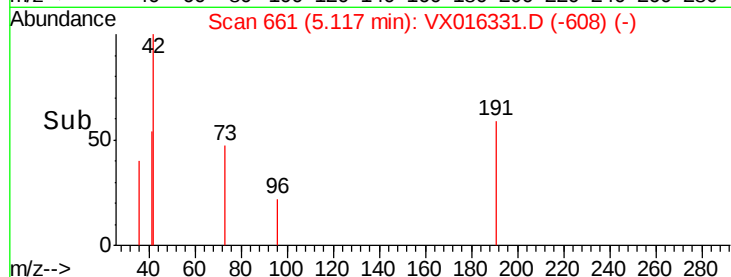
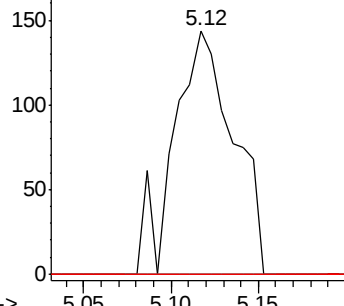
#29
Tetrahydrofuran
Concen: 0.227 ug/l
RT: 5.12 min Scan# 661
Delta R.T. 0.02 min
Lab File: VX016331.D
Acq: 19 May 2020 13:57

Instrument :
MSVOA_X
ClientSampleId :
WP021MW346-200514DL

Tot Ion: 42 Resp: 343
Ion Ratio Lower Upper
42 100
72 0.0 37.1 55.7#
71 0.0 34.5 51.7#

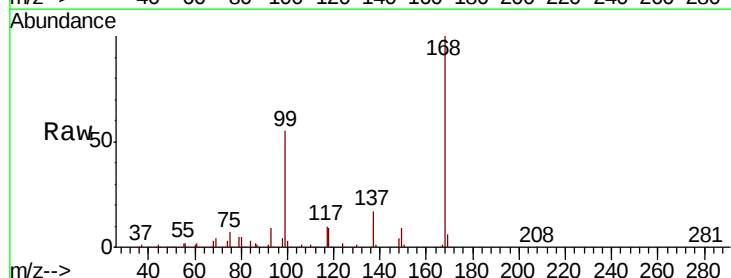


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

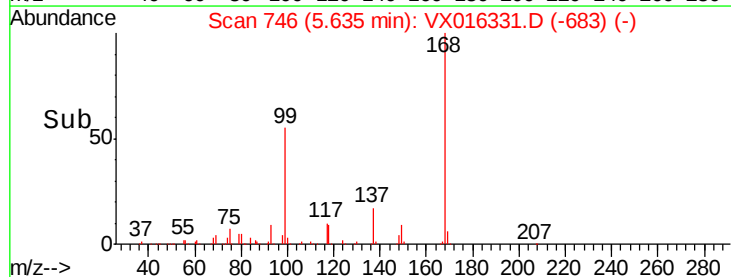
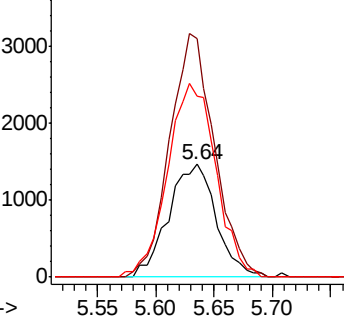


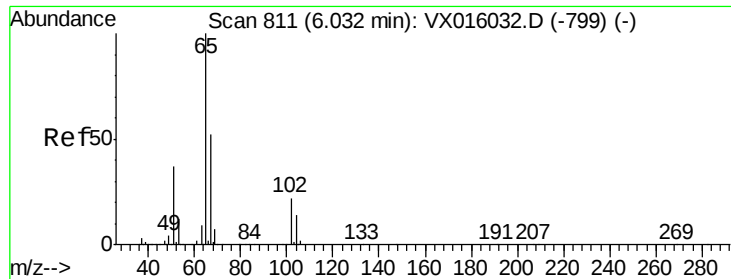
#31
Cyclohexane
Concen: 0.948 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX016331.D
Acq: 19 May 2020 13:57

Tgt Ion: 56 Resp: 4183
Ion Ratio Lower Upper
56 100
69 211.7 25.0 37.6#
84 161.1 69.0 103.6#



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: 44.544 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016331.D

Acq: 19 May 2020 13:57

Instrument :

MSVOA_X

ClientSampleId :

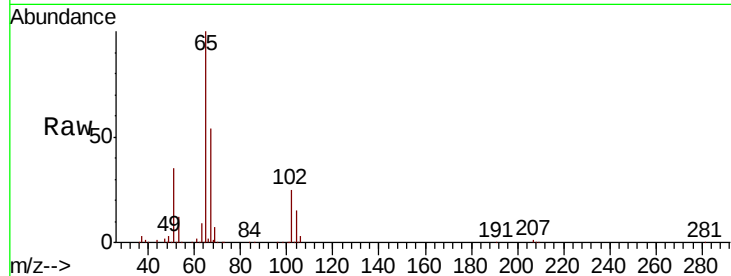
WP021MW346-200514DL

Tot Ion: 65 Resp: 141494

Ion Ratio Lower Upper

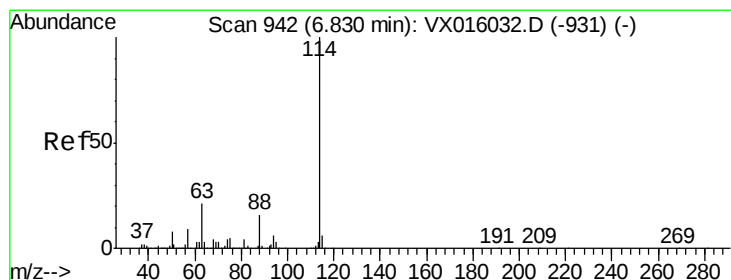
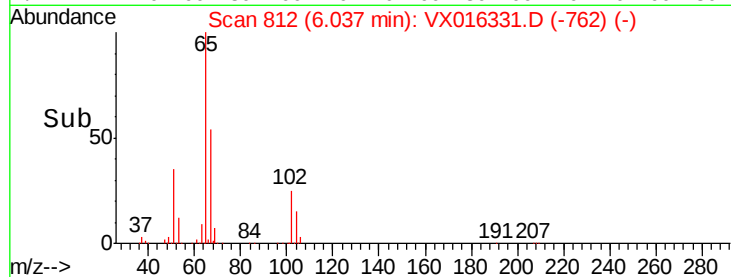
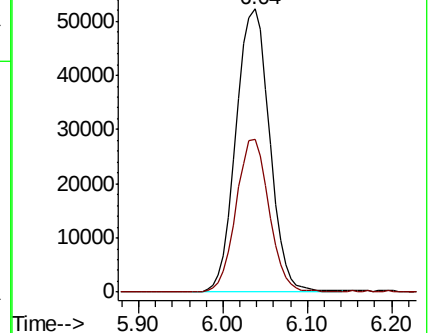
65 100

67 53.0 0.0 104.8



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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016331.D

Acq: 19 May 2020 13:57

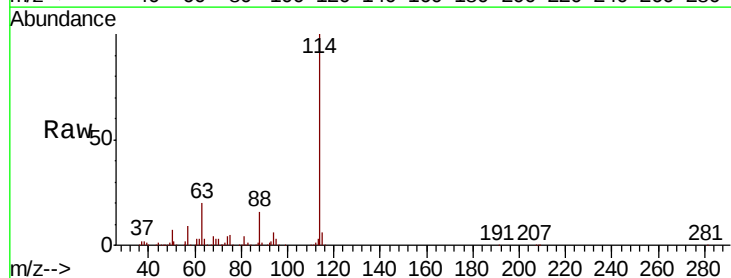
Tgt Ion: 114 Resp: 398050

Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.8

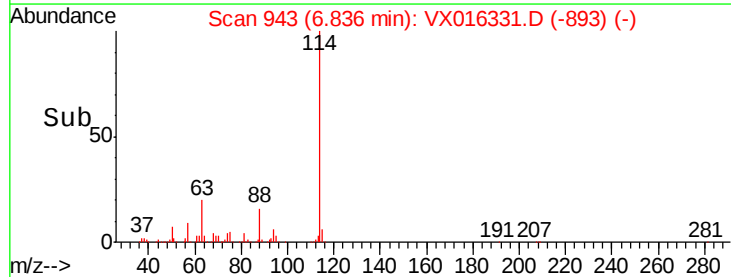
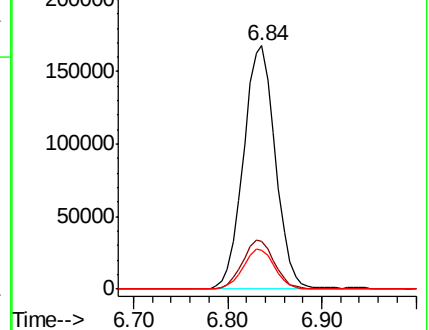
88 15.9 0.0 31.4

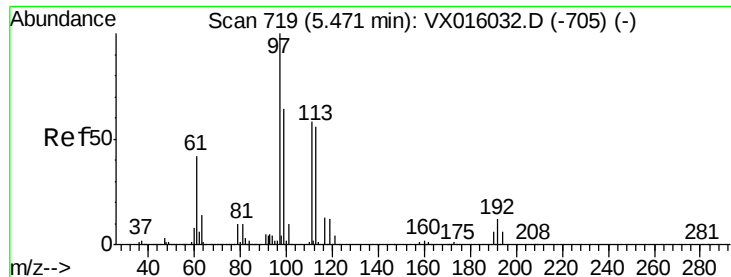


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

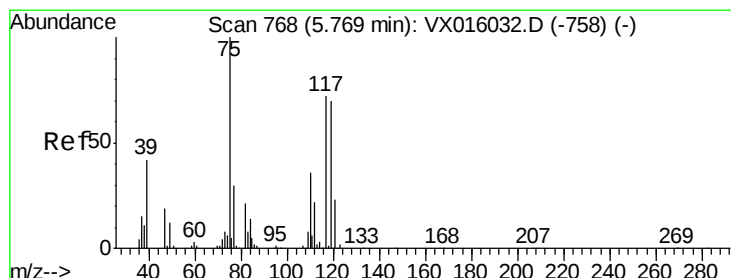
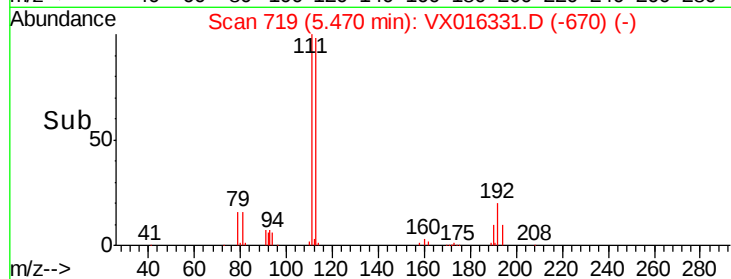
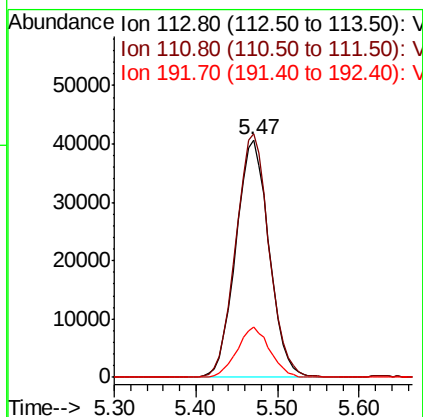
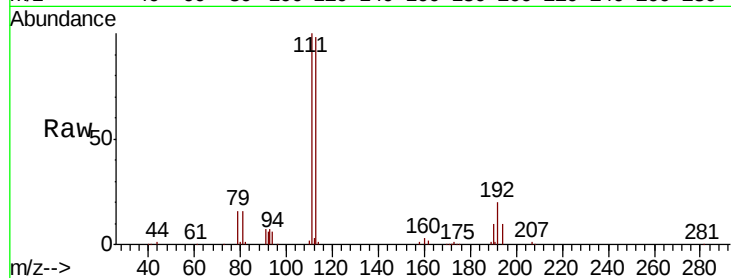




#35
 Dibromofluoromethane
 Concen: 45.523 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX016331.D
 Acq: 19 May 2020 13:57

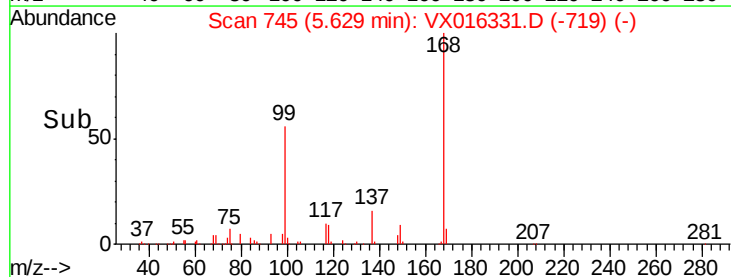
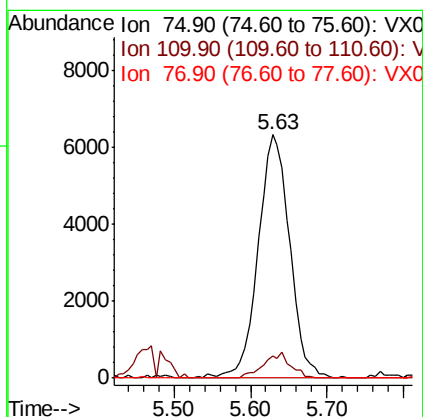
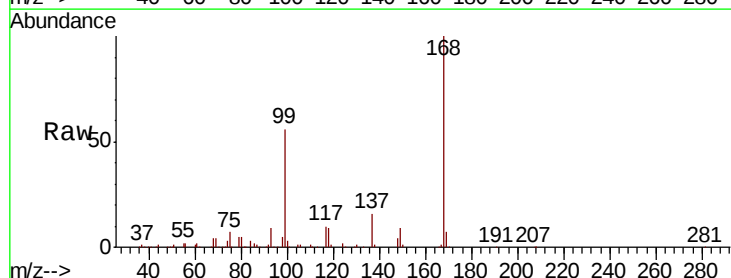
Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW346-200514DL

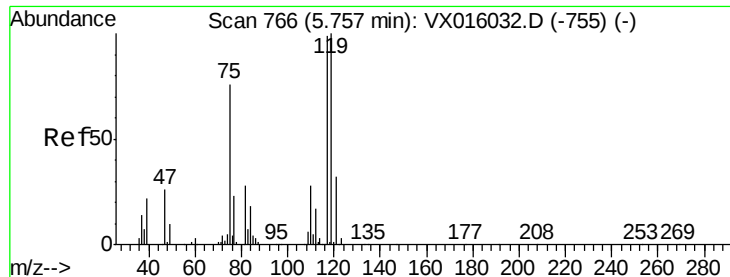
Tot Ion:113 Resp: 114800
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.6 122.4
 192 21.1 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 4.638 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016331.D
 Acq: 19 May 2020 13:57

Tgt Ion: 75 Resp: 18171
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.1 54.1#
 77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 5.812 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016331.D

Acq: 19 May 2020 13:57

Instrument :

MSVOA_X

ClientSampleId :

WP021MW346-200514DL

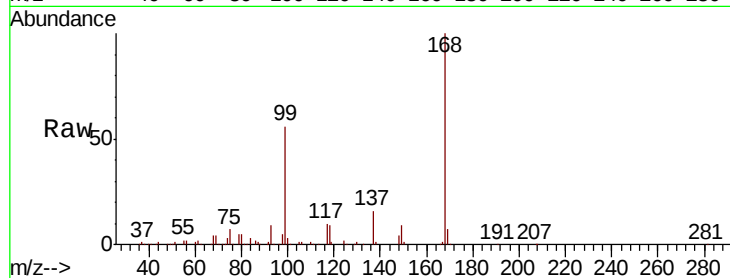
Tot Ion:117 Resp: 23145

Ion Ratio Lower Upper

117 100

119 5.4 80.3 120.5#

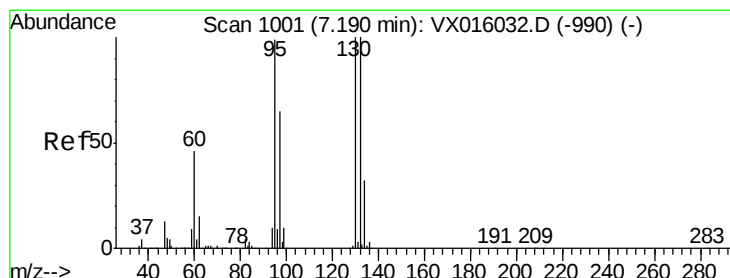
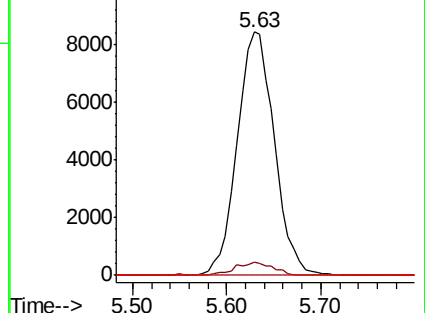
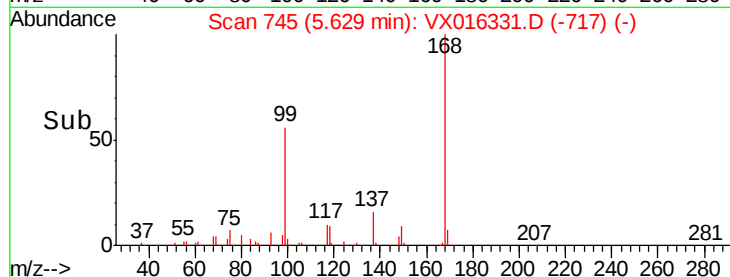
121 0.0 25.7 38.5#



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



#44

Trichloroethene

Concen: 0.473 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016331.D

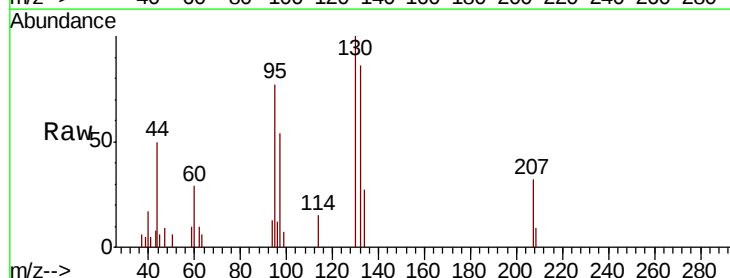
Acq: 19 May 2020 13:57

Tgt Ion:130 Resp: 1926

Ion Ratio Lower Upper

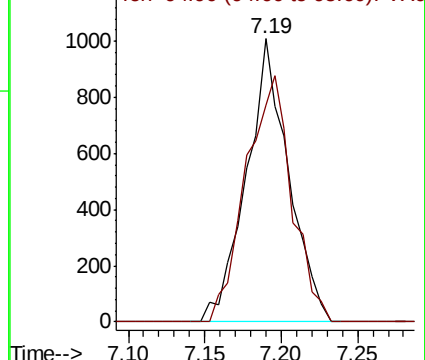
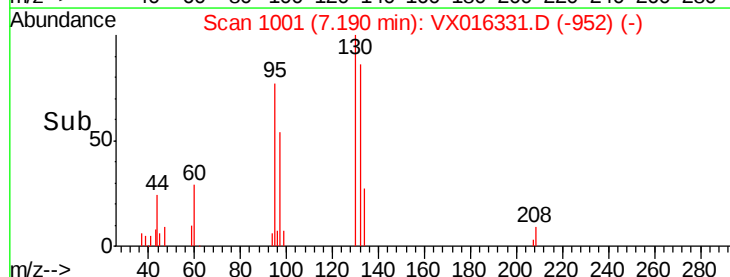
130 100

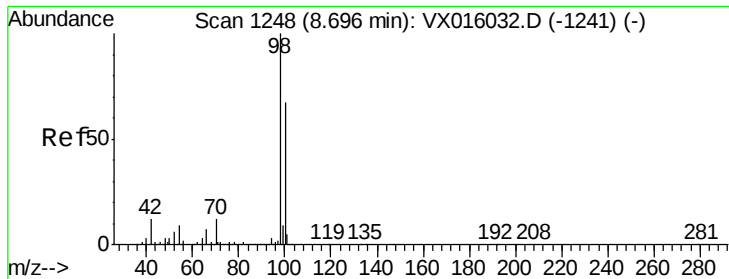
95 76.7 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 50.701 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016331.D

Acq: 19 May 2020 13:57

Instrument :

MSVOA_X

ClientSampleId :

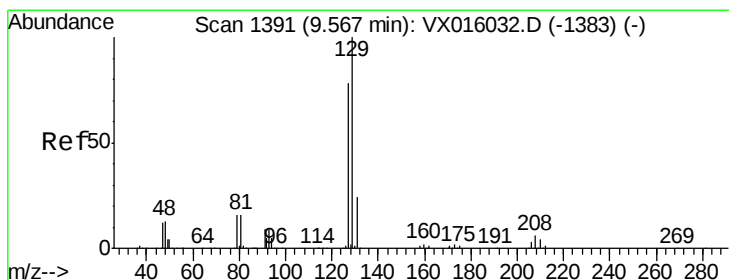
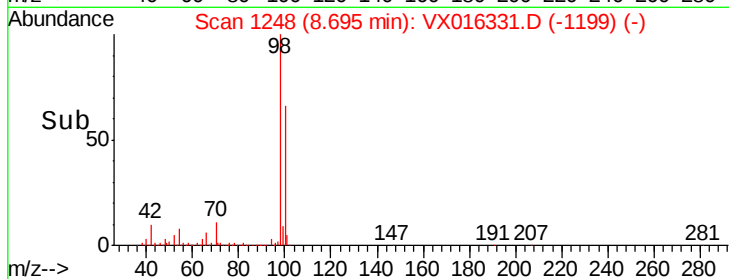
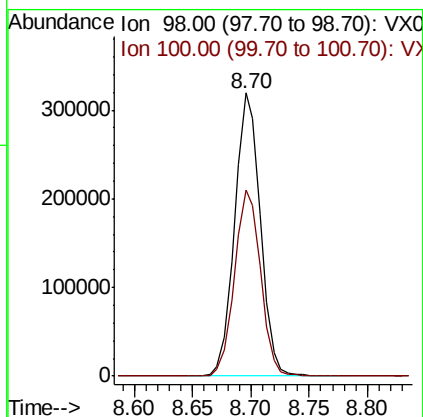
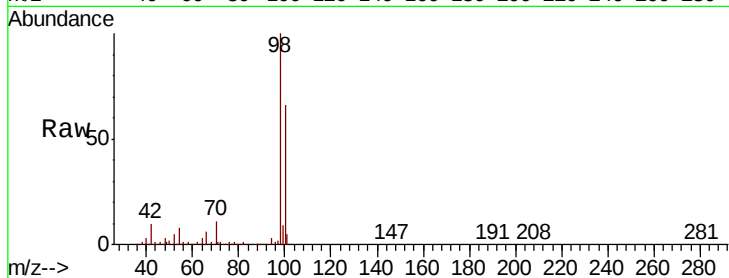
WP021MW346-200514DL

Tot Ion: 98 Resp: 492649

Ion Ratio Lower Upper

98 100

100 66.4 53.7 80.5



#60

Dibromochloromethane

Concen: 0.383 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX016331.D

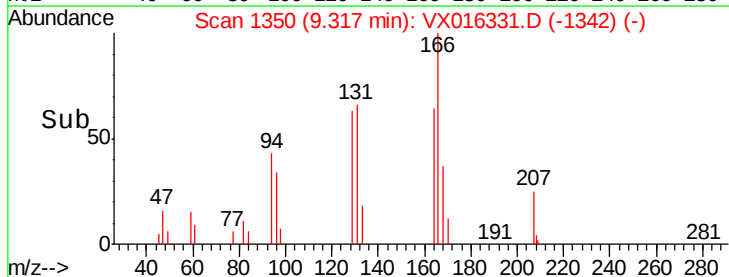
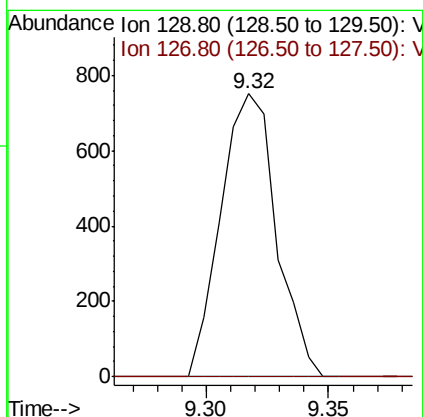
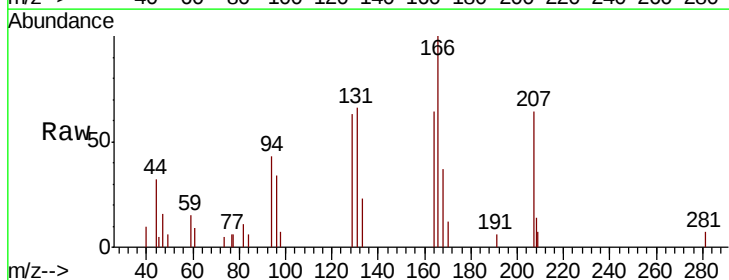
Acq: 19 May 2020 13:57

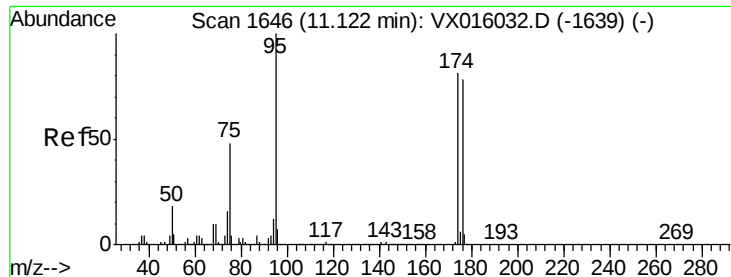
Tgt Ion: 129 Resp: 1185

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#





#62

4-Bromofluorobenzene

Concen: 54.363 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016331.D

Acq: 19 May 2020 13:57

Instrument :

MSVOA_X

ClientSampleId :

WP021MW346-200514DL

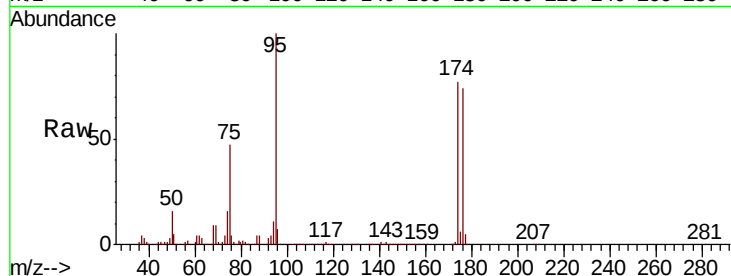
Tot Ion: 95 Resp: 200914

Ion Ratio Lower Upper

95 100

174 80.2 0.0 159.4

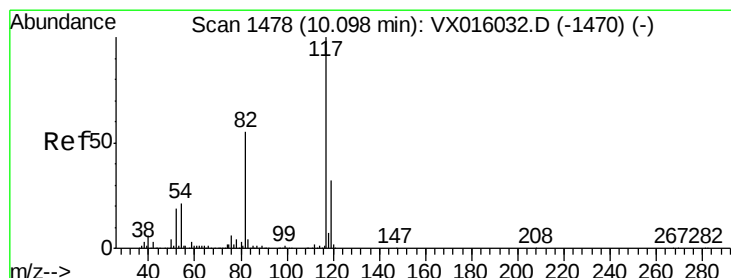
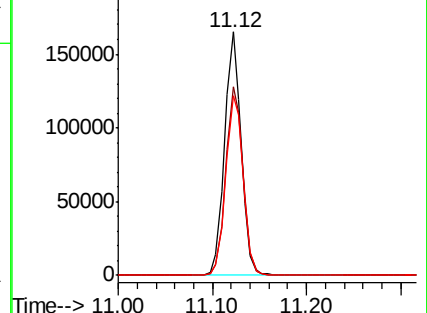
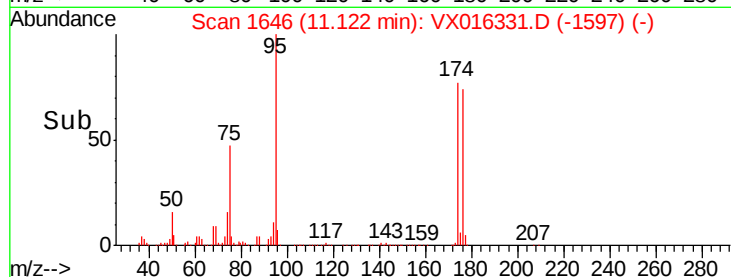
176 77.4 0.0 157.6



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: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016331.D

Acq: 19 May 2020 13:57

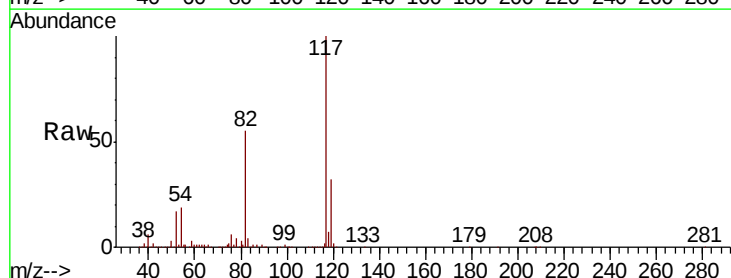
Tgt Ion: 117 Resp: 394687

Ion Ratio Lower Upper

117 100

82 55.5 44.4 66.6

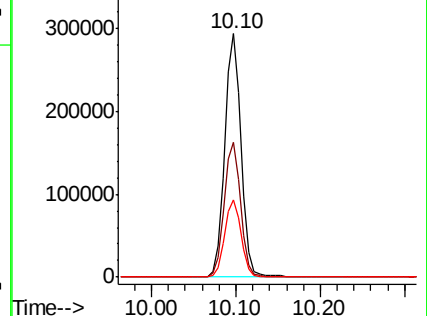
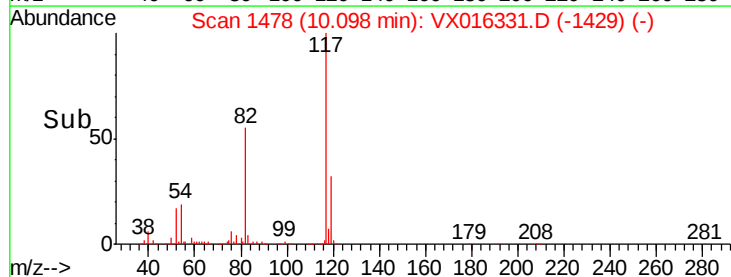
119 31.9 25.5 38.3

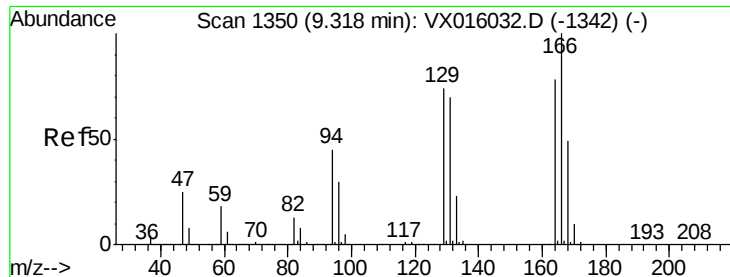


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 0.246 ug/l

RT: 9.32 min Scan# 1351

Delta R.T. 0.01 min

Lab File: VX016331.D

Acq: 19 May 2020 13:57

Instrument :

MSVOA_X

ClientSampleId :

WP021MW346-200514DL

Tot Ion:164 Resp: 1191

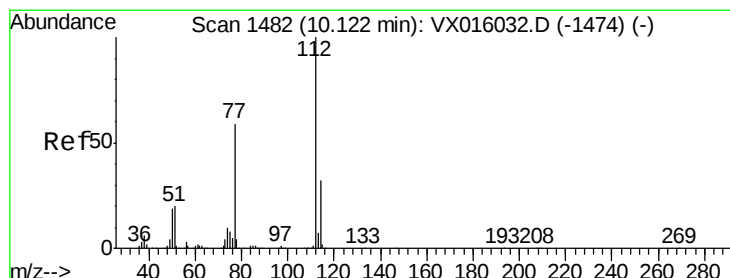
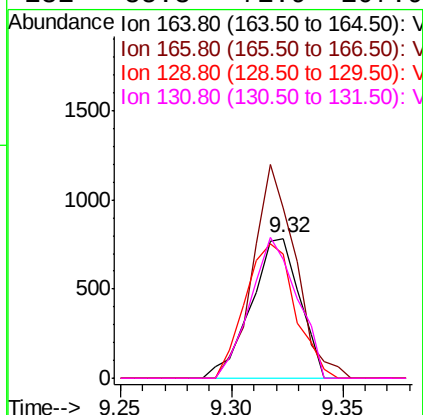
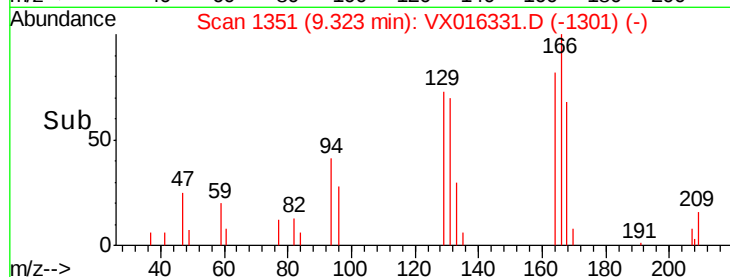
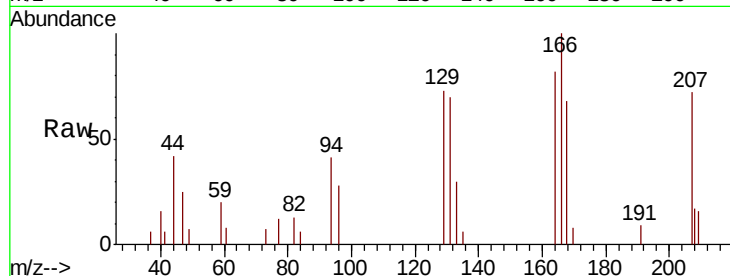
Ion Ratio Lower Upper

164 100

166 122.2 102.9 154.3

129 89.0 76.1 114.1

131 85.3 71.9 107.9



#65

Chlorobenzene

Concen: 0.626 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016331.D

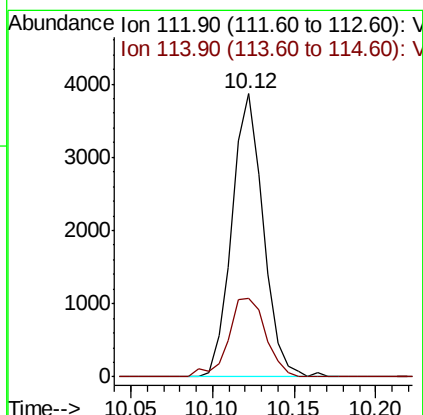
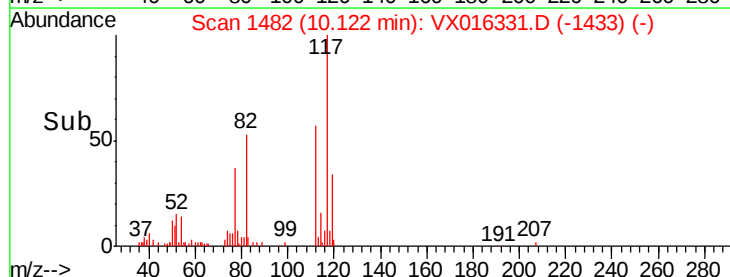
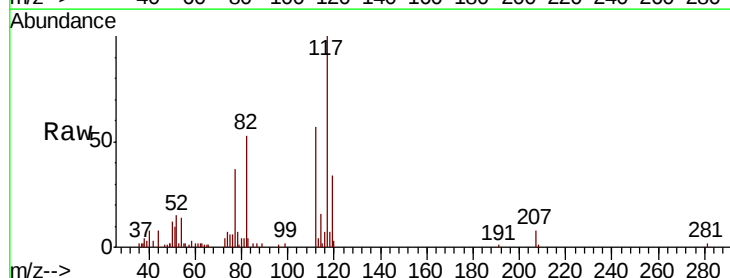
Acq: 19 May 2020 13:57

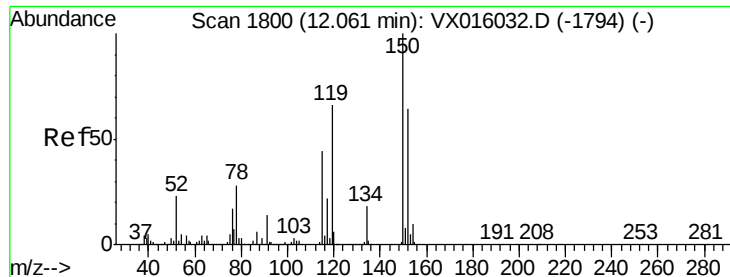
Tgt Ion:112 Resp: 5170

Ion Ratio Lower Upper

112 100

114 27.6 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016331.D

Acq: 19 May 2020 13:57

Instrument :

MSVOA_X

ClientSampleId :

WP021MW346-200514DL

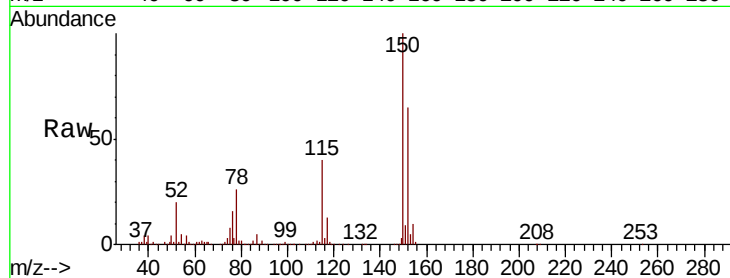
Tot Ion:152 Resp: 200138

Ion Ratio Lower Upper

152 100

115 59.2 41.3 124.1

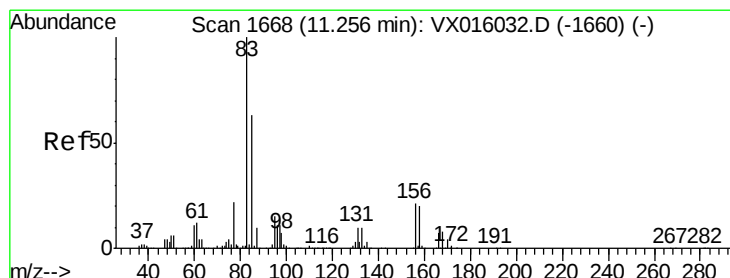
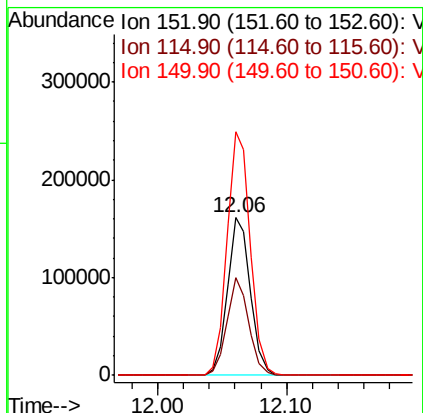
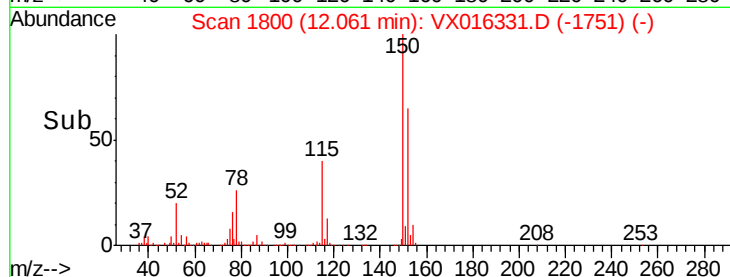
150 157.6 0.0 352.2



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



#75

1,1,2,2-Tetrachloroethane

Concen: 2.089 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016331.D

Acq: 19 May 2020 13:57

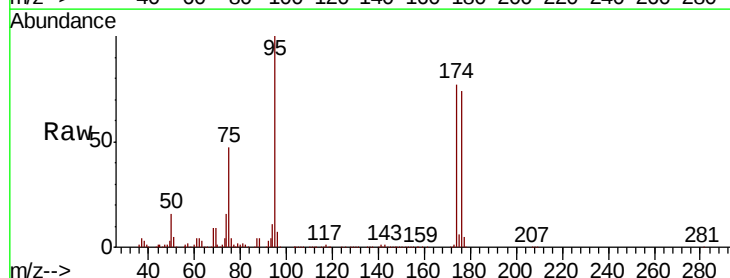
Tgt Ion: 83 Resp: 108

Ion Ratio Lower Upper

83 100

131 238.9 5.1 15.4#

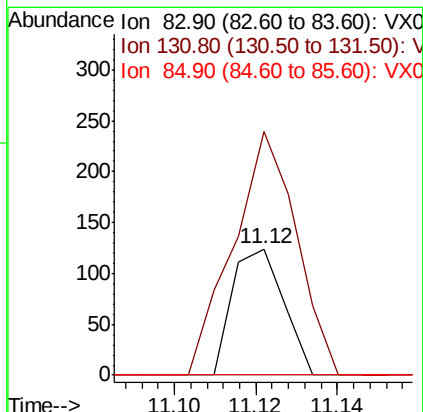
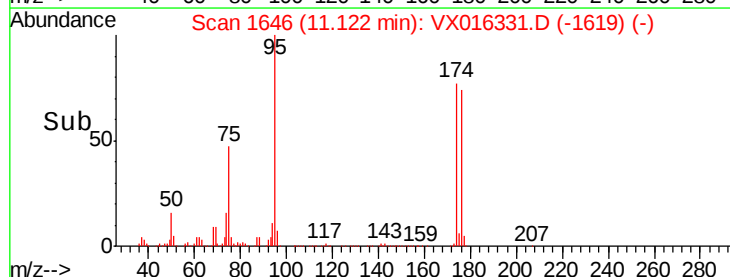
85 0.0 32.0 96.0#

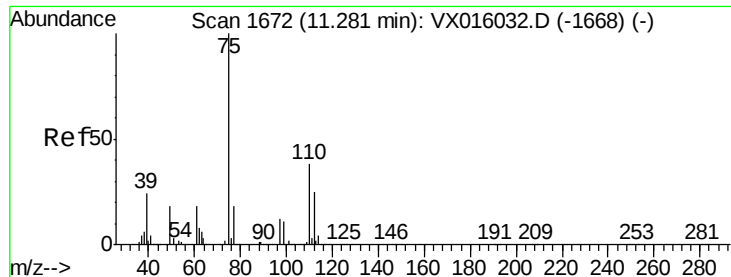


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 20.985 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016331.D

Acq: 19 May 2020 13:57

Instrument :

MSVOA_X

ClientSampleId :

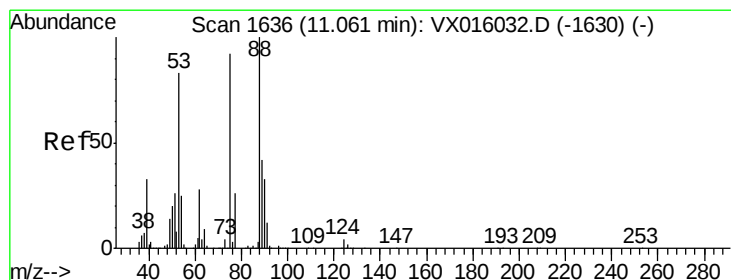
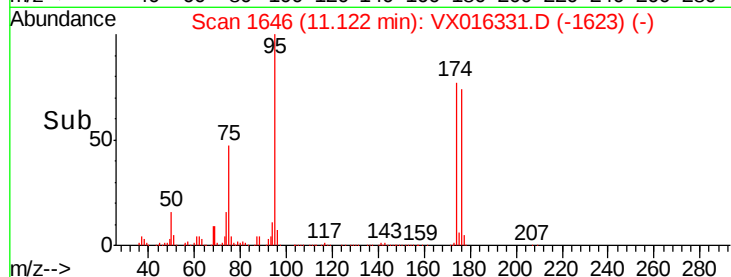
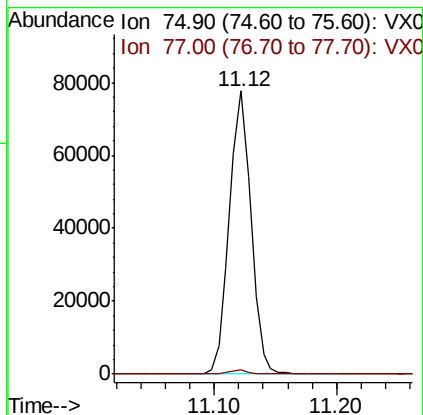
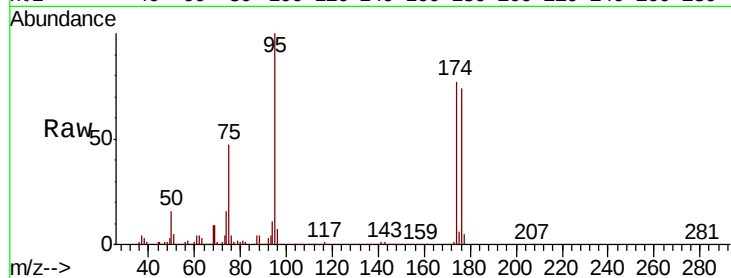
WP021MW346-200514DL

Tot Ion: 75 Resp: 95307

Ion Ratio Lower Upper

75 100

77 1.3 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 50.010 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016331.D

Acq: 19 May 2020 13:57

Tgt Ion: 75 Resp: 95307

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.0 36.7 55.1#

