

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051920\
 Data File : VX016332.D
 Acq On : 19 May 2020 14:19
 Operator : JC/SP
 Sample : L2672-11DL2 250X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW345-200514DL2

Quant Time: May 20 03:47:05 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	5.63	168	242438	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	402013	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	395771	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	203765	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	142115	44.55	ug/l	0.00
Spiked Amount			Recovery	=	89.10%	
35) Dibromofluoromethane	5.46	113	115206	45.23	ug/l	0.00
Spiked Amount			Recovery	=	90.46%	
50) Toluene-d8	8.70	98	493542	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
62) 4-Bromofluorobenzene	11.12	95	202085	54.14	ug/l	0.00
Spiked Amount			Recovery	=	108.28%	

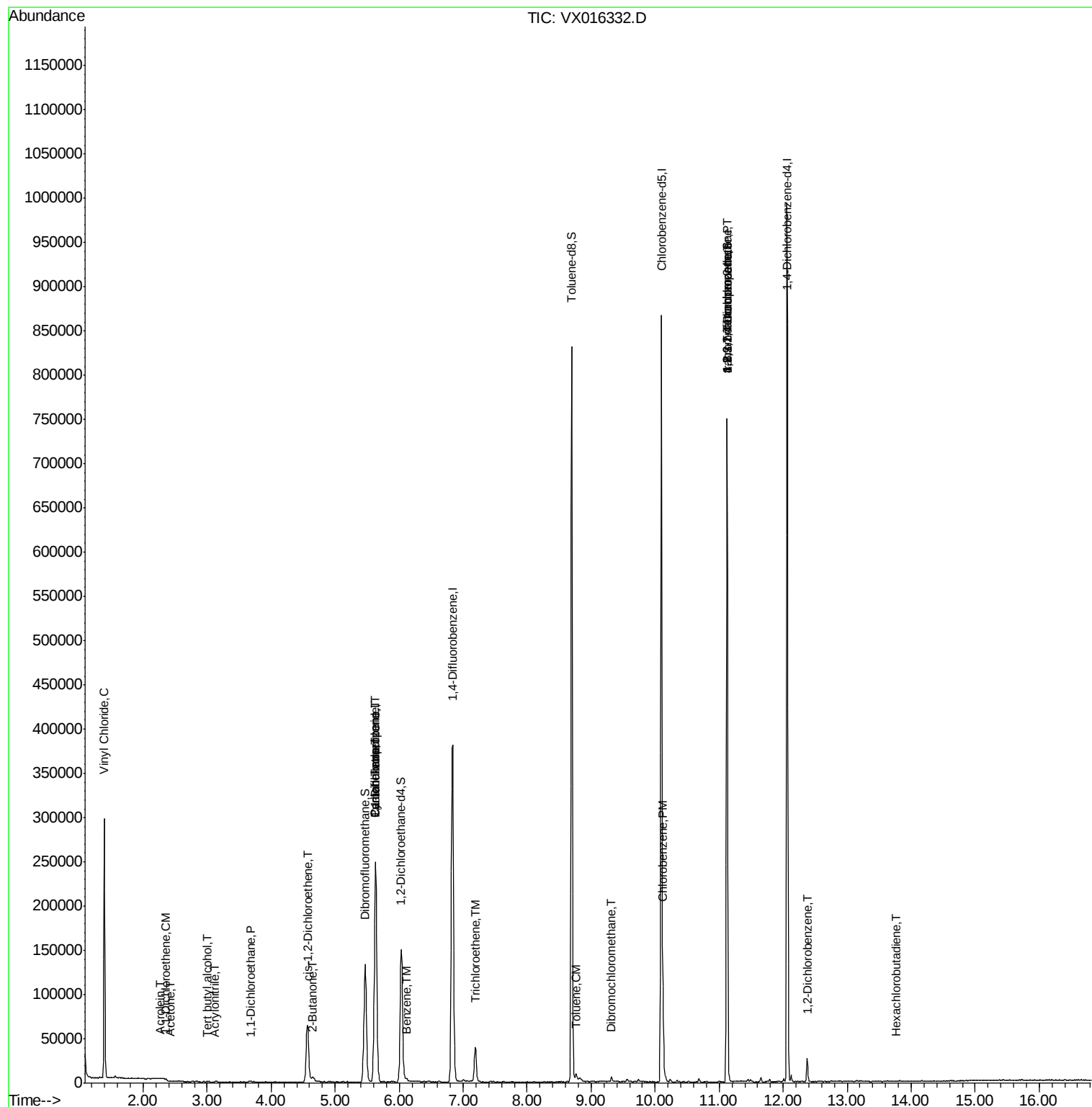
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	170959	53.769	ug/l	99
11) Tert butyl alcohol	3.01	59	428	0.531	ug/l #	72
12) 1,1-Dichloroethene	2.36	96	971	0.385	ug/l #	62
13) Acrolein	2.26	56	335	0.664	ug/l	86
15) Acrylonitrile	3.12	53	370	0.221	ug/l #	79
16) Acetone	2.43	43	323	0.227	ug/l #	43
17) Carbon Disulfide	2.56	76	921	Below Cal	#	75
24) 1,1-Dichloroethane	3.67	63	1095	0.225	ug/l #	82
25) 2-Butanone	4.64	43	519	0.226	ug/l #	48
27) cis-1,2-Dichloroethene	4.57	96	43473	14.159	ug/l	88
31) Cyclohexane	5.63	56	4399	0.993	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	17987	4.545	ug/l #	49
38) Carbon Tetrachloride	5.63	117	22582	5.614	ug/l #	15
40) Benzene	6.11	78	3281	0.283	ug/l	96
44) Trichloroethene	7.19	130	15017	3.651	ug/l	99
52) Toluene	8.77	92	1928	0.267	ug/l	97
60) Dibromochloromethane	9.32	129	938	0.300	ug/l #	11
65) Chlorobenzene	10.12	112	36742	4.434	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.13	83	142	2.100	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	96485	20.867	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	96485	49.727	ug/l #	13
91) 1,2-Dichlorobenzene	12.38	146	9022	1.364	ug/l	98
94) Hexachlorobutadiene	13.77	225	63	0.553	ug/l #	41

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

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Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016332.D

Acq: 19 May 2020 14:19

Instrument :

MSVOA_X

ClientSampleId :

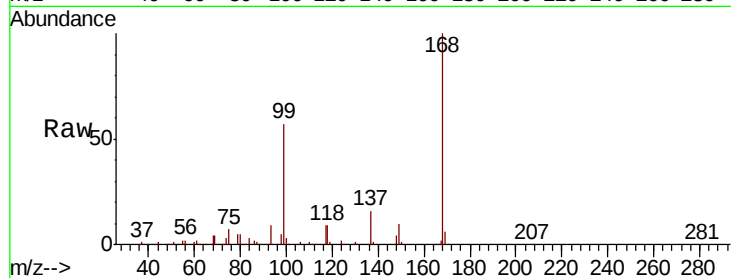
WP021MW345-200514DL2

Tot Ion:168 Resp: 242438

Ion Ratio Lower Upper

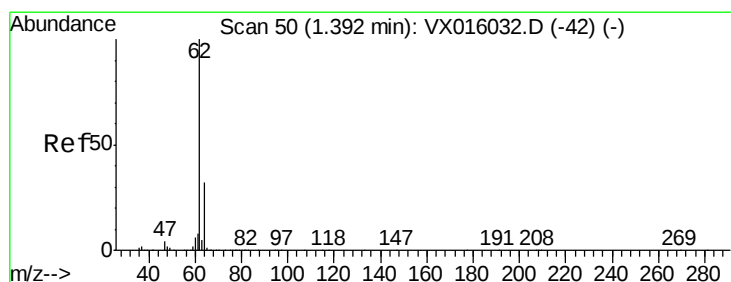
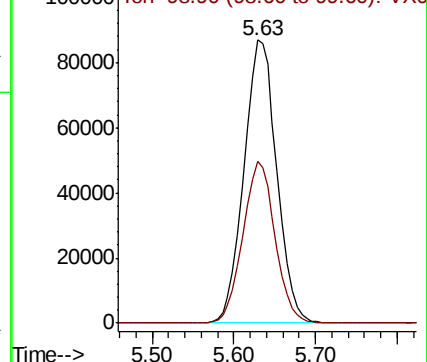
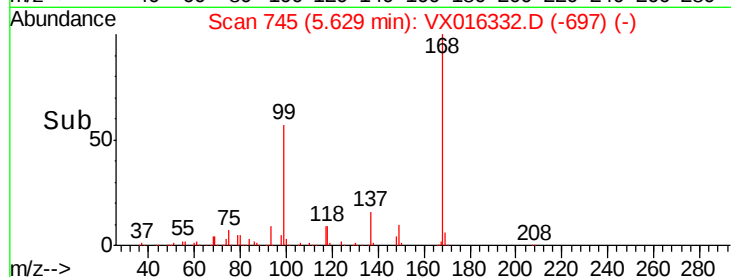
168 100

99 57.0 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 53.769 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016332.D

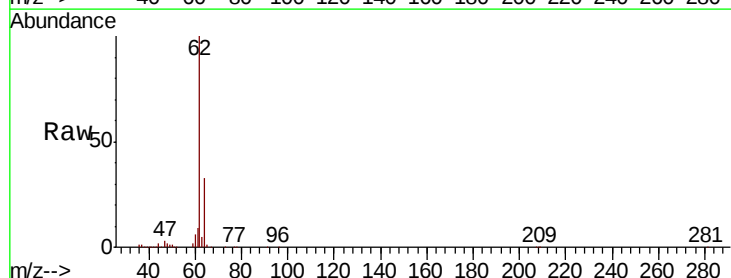
Acq: 19 May 2020 14:19

Tgt Ion: 62 Resp: 170959

Ion Ratio Lower Upper

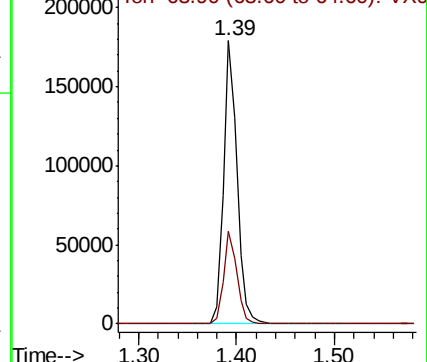
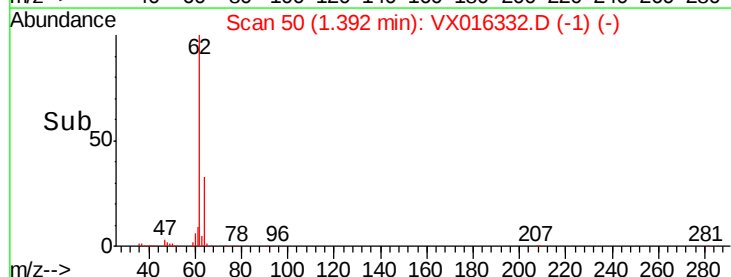
62 100

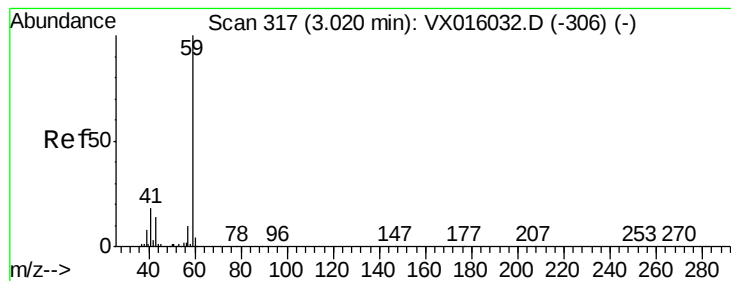
64 32.6 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



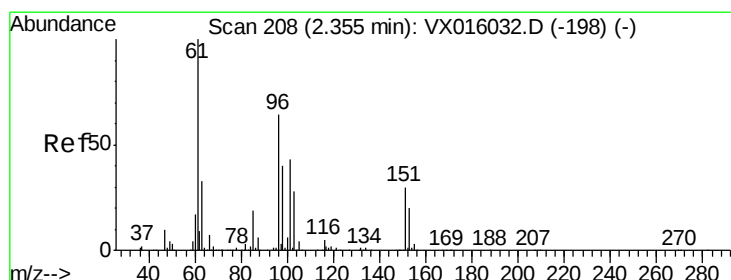
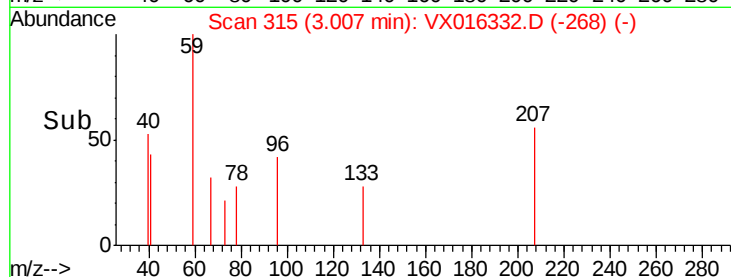
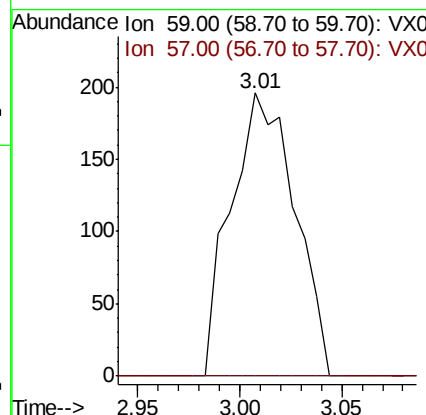
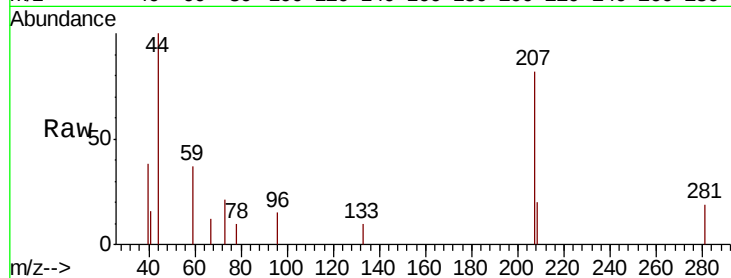


#11

Tert butyl alcohol
 Concen: 0.531 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX016332.D
 Acq: 19 May 2020 14:19

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW345-200514DL2

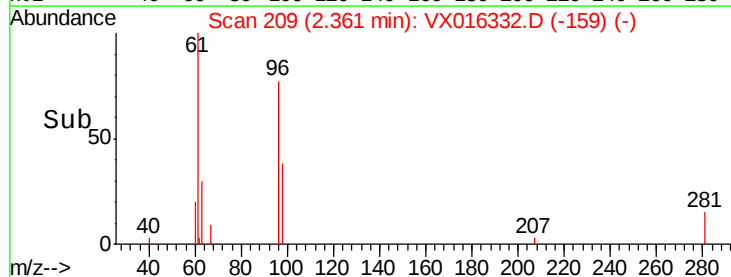
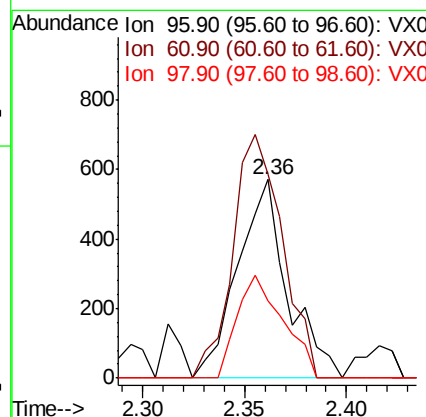
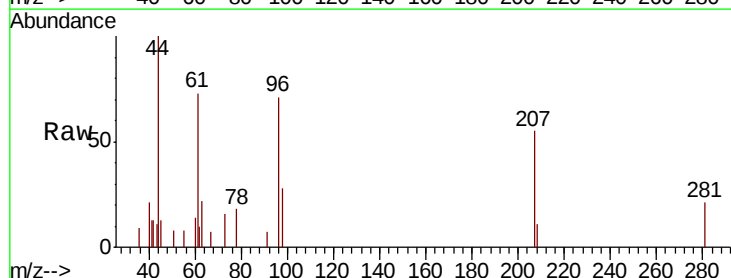
Tot Ion: 59 Resp: 428
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

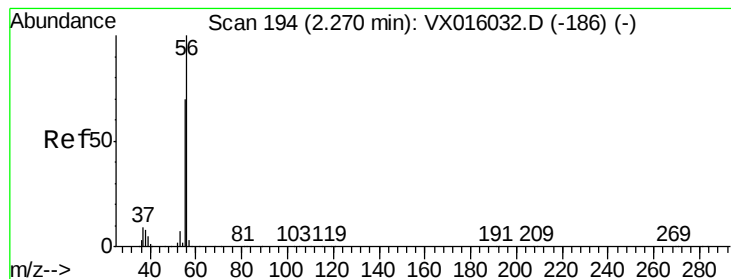


#12

1,1-Dichloroethene
 Concen: 0.385 ug/l
 RT: 2.36 min Scan# 209
 Delta R.T. 0.01 min
 Lab File: VX016332.D
 Acq: 19 May 2020 14:19

Tgt Ion: 96 Resp: 971
 Ion Ratio Lower Upper
 96 100
 61 102.6 124.8 187.2#
 98 39.0 49.7 74.5#





#13

Acrolein

Concen: 0.664 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX016332.D

Acq: 19 May 2020 14:19

Instrument :

MSVOA_X

ClientSampleId :

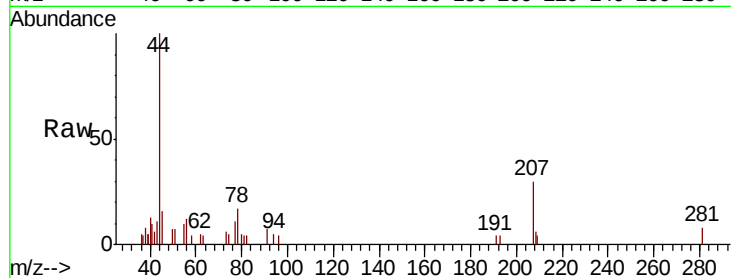
WP021MW345-200514DL2

Tot Ion: 56 Resp: 335

Ion Ratio Lower Upper

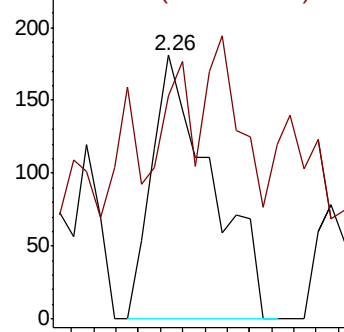
56 100

55 58.8 56.5 84.7

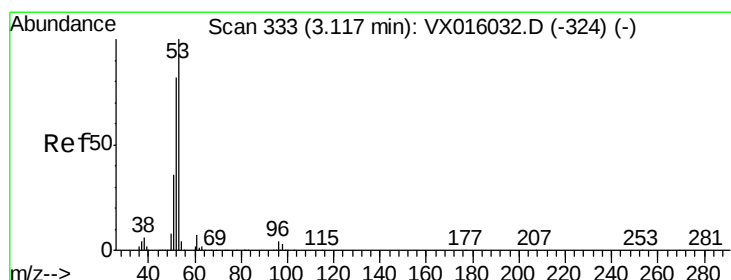
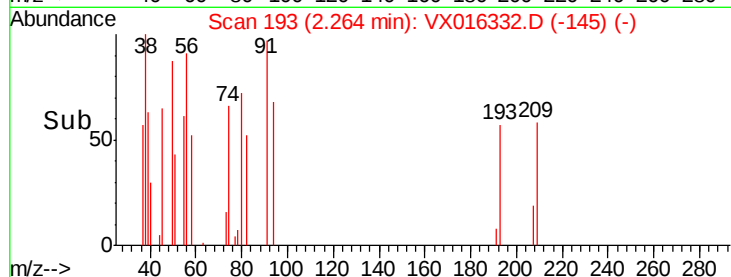


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#15

Acrylonitrile

Concen: 0.221 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX016332.D

Acq: 19 May 2020 14:19

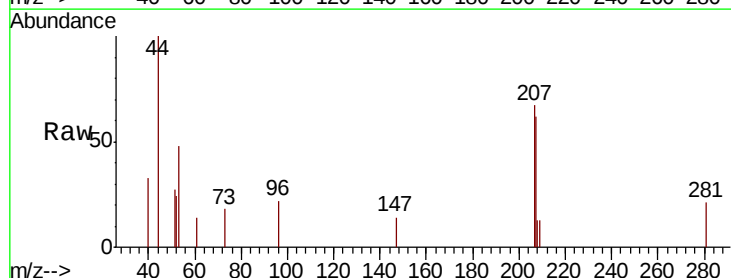
Tgt Ion: 53 Resp: 370

Ion Ratio Lower Upper

53 100

52 61.6 66.1 99.1#

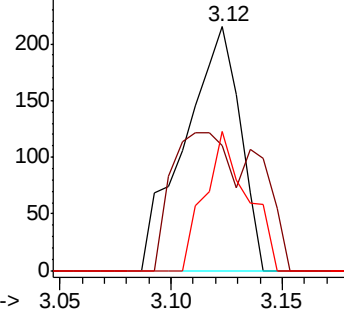
51 44.3 28.8 43.2#



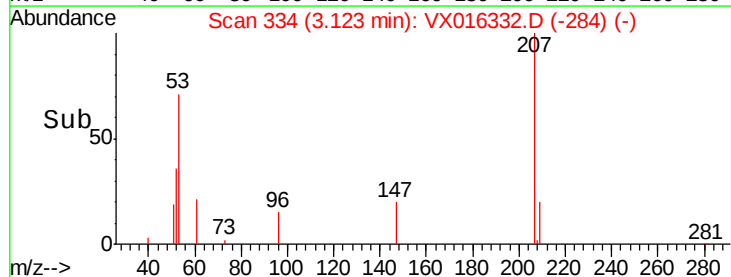
Abundance Ion 53.00 (52.70 to 53.70): VX0

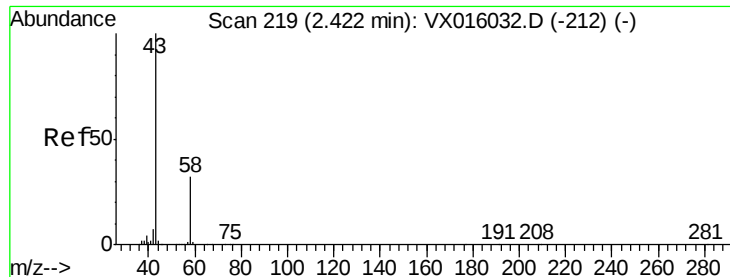
Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->





#16

Acetone

Concen: 0.227 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX016332.D

Acq: 19 May 2020 14:19

Instrument :

MSVOA_X

ClientSampleId :

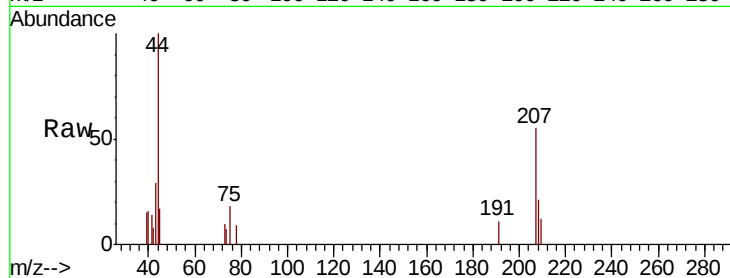
WP021MW345-200514DL2

Tot Ion: 43 Resp: 323

Ion Ratio Lower Upper

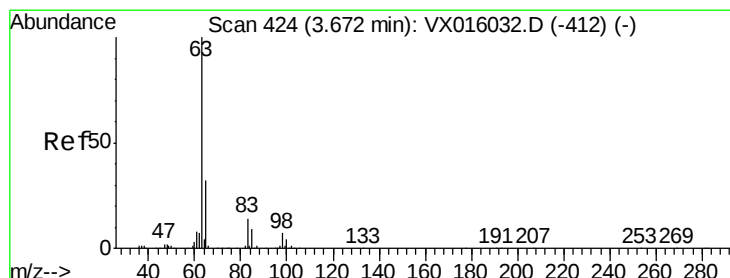
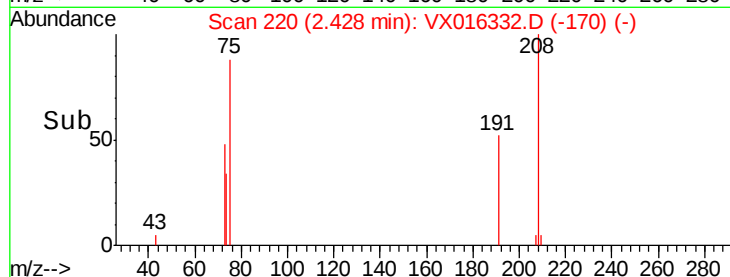
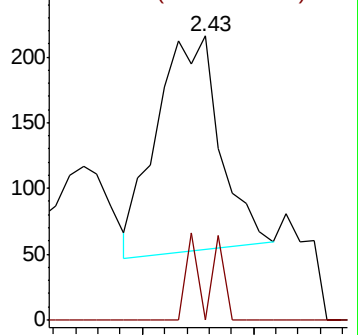
43 100

58 0.0 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#24

1,1-Dichloroethane

Concen: 0.225 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX016332.D

Acq: 19 May 2020 14:19

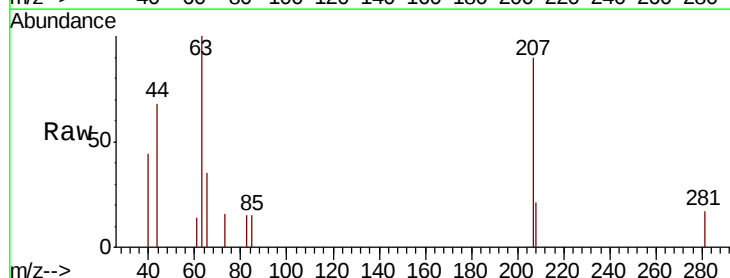
Tgt Ion: 63 Resp: 1095

Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.5#

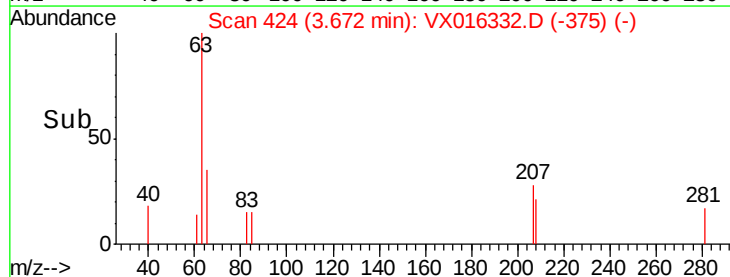
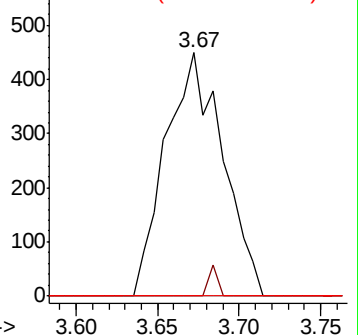
100 0.0 2.1 6.5#

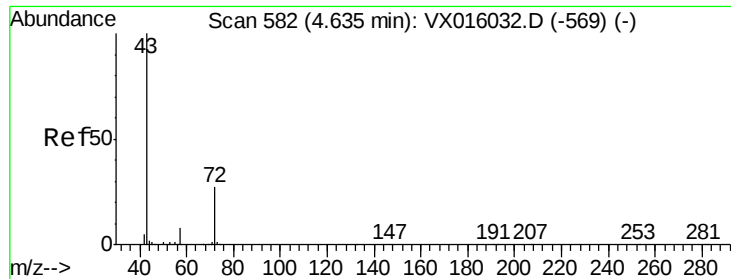


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 0.226 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX016332.D

Acq: 19 May 2020 14:19

Instrument :

MSVOA_X

ClientSampleId :

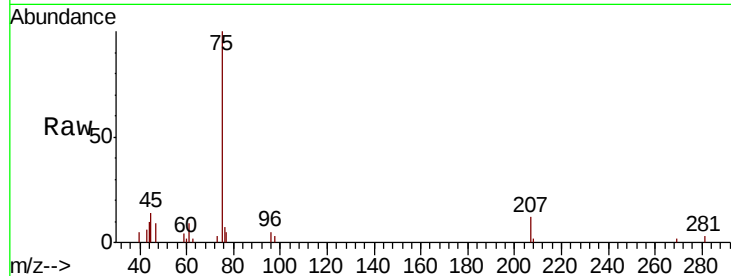
WP021MW345-200514DL2

Tot Ion: 43 Resp: 519

Ion Ratio Lower Upper

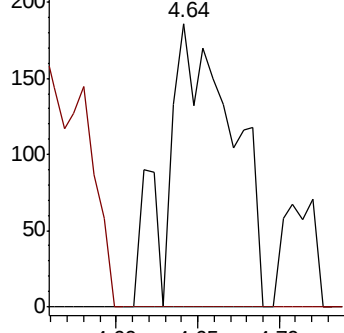
43 100

72 0.0 21.8 32.8#

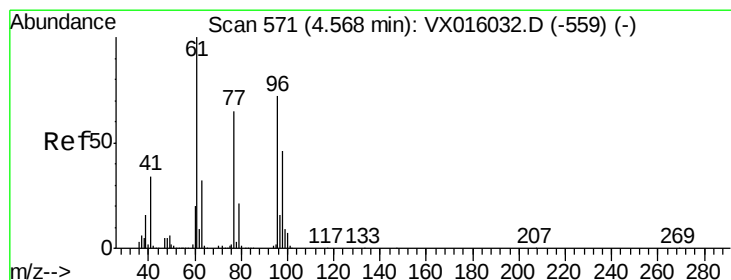
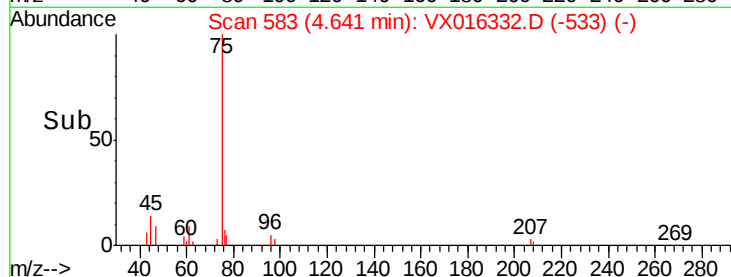


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#27

cis-1,2-Dichloroethene

Concen: 14.159 ug/l

RT: 4.57 min Scan# 571

Delta R.T. -0.00 min

Lab File: VX016332.D

Acq: 19 May 2020 14:19

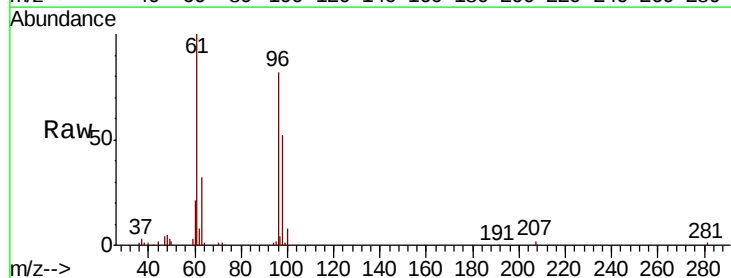
Tgt Ion: 96 Resp: 43473

Ion Ratio Lower Upper

96 100

61 126.4 0.0 296.2

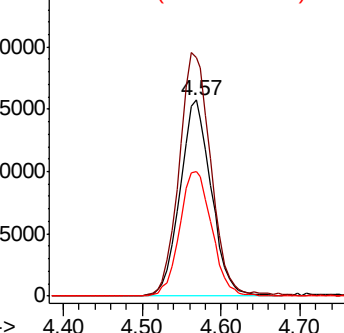
98 65.0 0.0 129.4



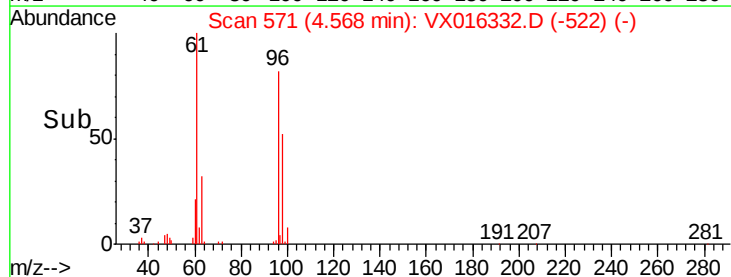
Abundance Ion 95.90 (95.60 to 96.60): VX0

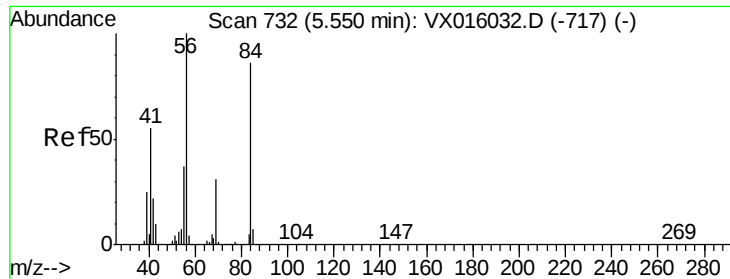
Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



Time-->

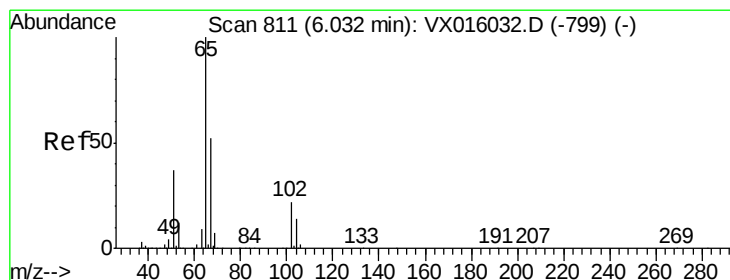
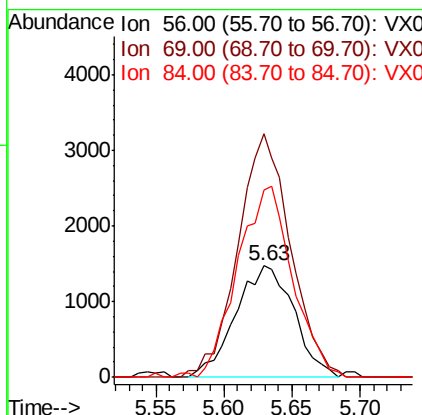
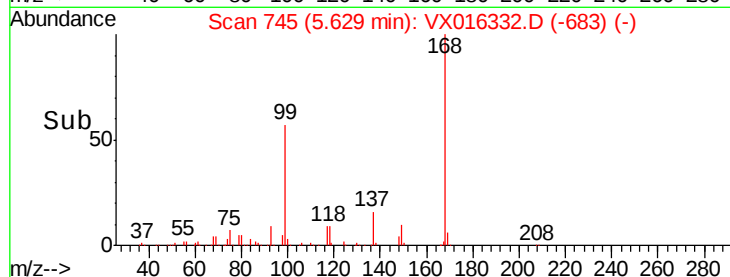
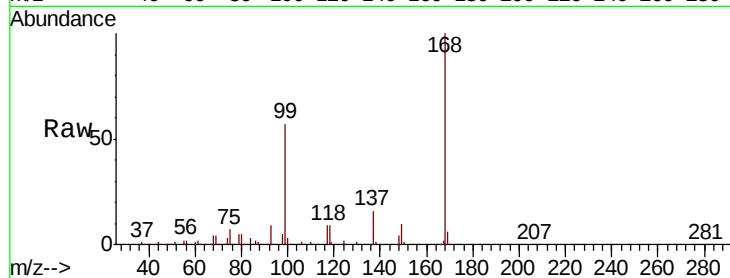




#31
Cyclohexane
Concen: 0.993 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016332.D
Acq: 19 May 2020 14:19

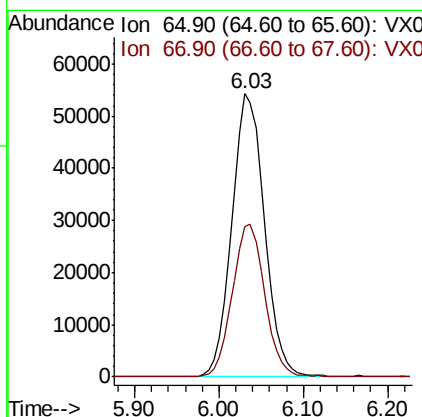
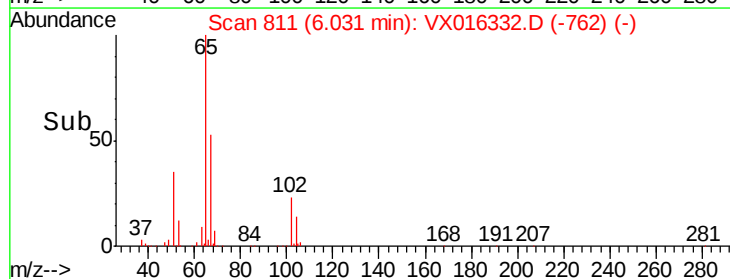
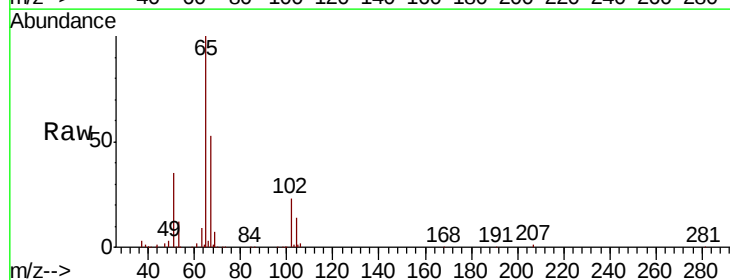
Instrument :
MSVOA_X
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WP021MW345-200514DL2

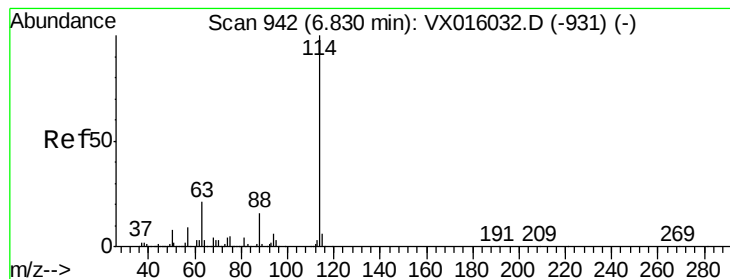
Tot Ion: 56 Resp: 4399
Ion Ratio Lower Upper
56 100
69 213.3 25.0 37.6#
84 164.1 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 44.547 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016332.D
Acq: 19 May 2020 14:19

Tgt Ion: 65 Resp: 142115
Ion Ratio Lower Upper
65 100
67 53.5 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016332.D

Acq: 19 May 2020 14:19

Instrument :

MSVOA_X

ClientSampleId :

WP021MW345-200514DL2

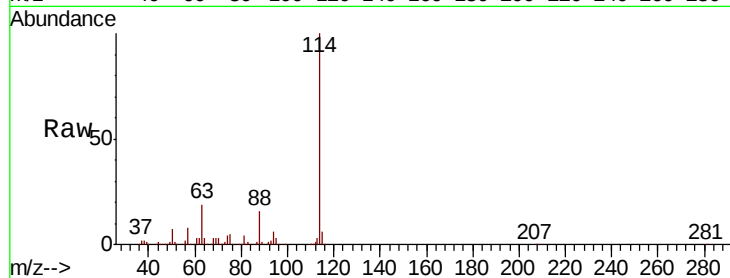
Tot Ion:114 Resp: 402013

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.8

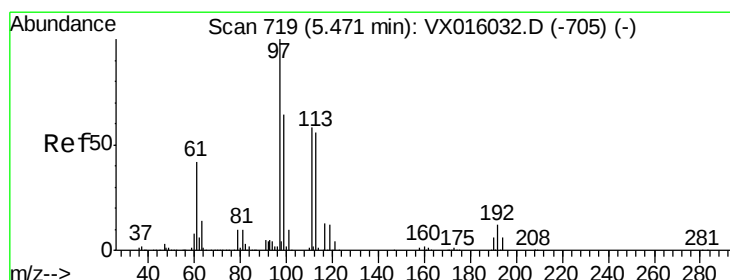
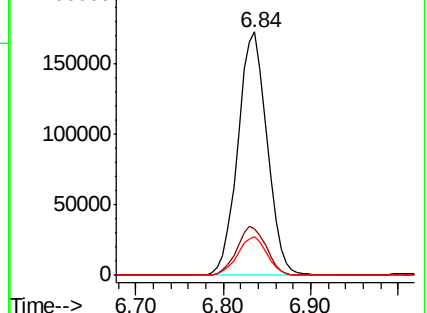
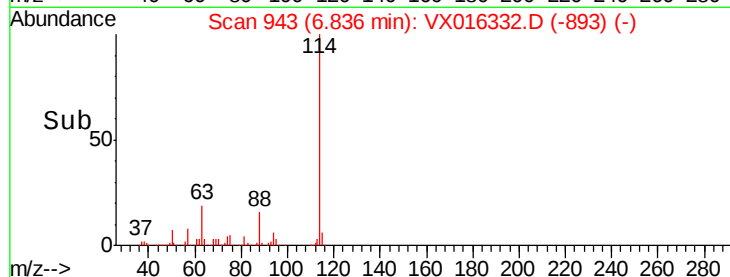
88 16.0 0.0 31.4



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: 45.233 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX016332.D

Acq: 19 May 2020 14:19

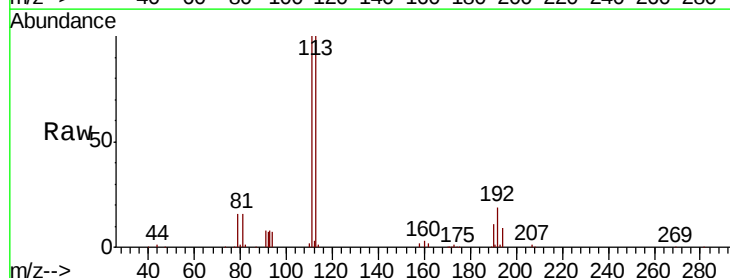
Tgt Ion:113 Resp: 115206

Ion Ratio Lower Upper

113 100

111 103.1 81.6 122.4

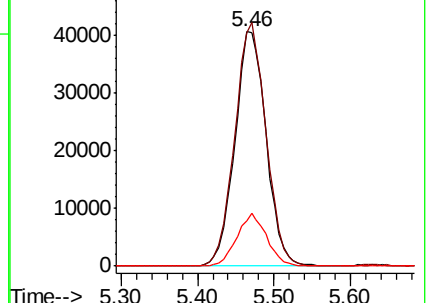
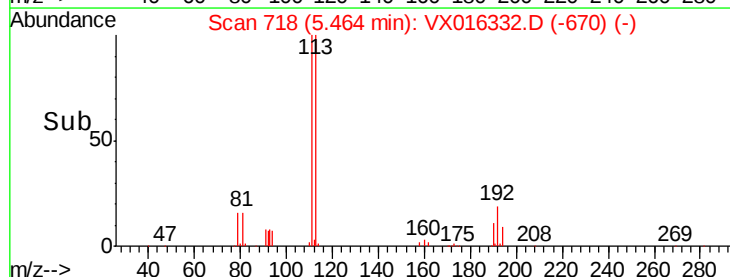
192 21.5 17.0 25.4

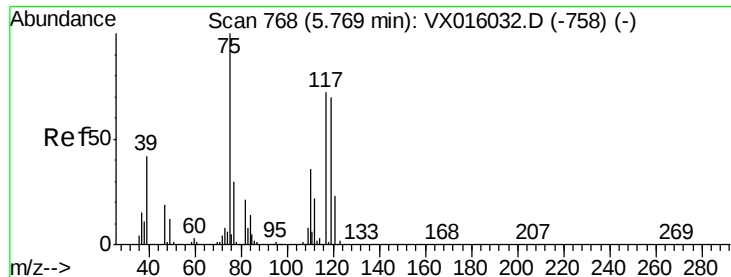


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

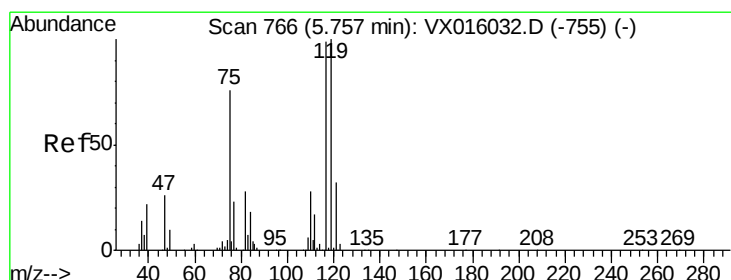
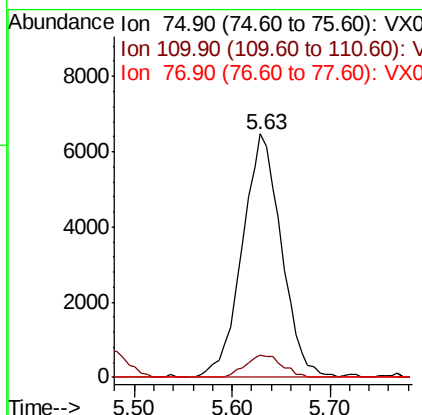
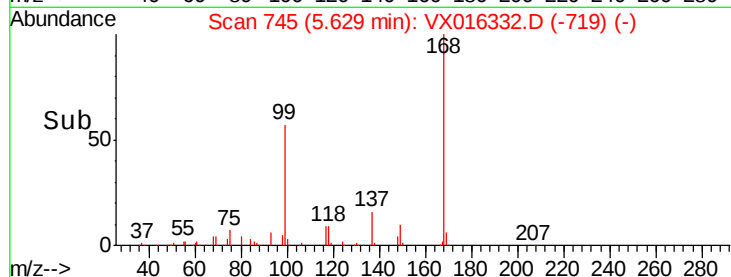
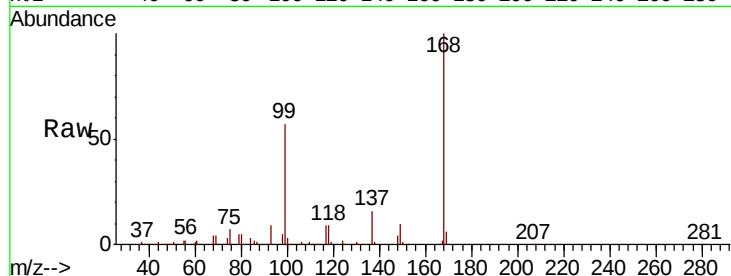




#36
 1,1-Dichloropropene
 Concen: 4.545 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016332.D
 Acq: 19 May 2020 14:19

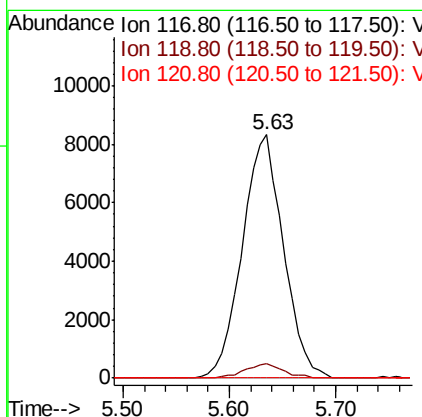
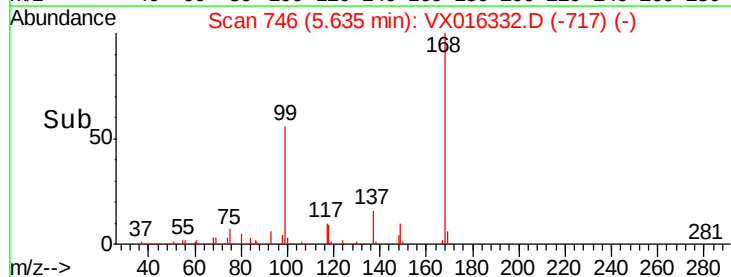
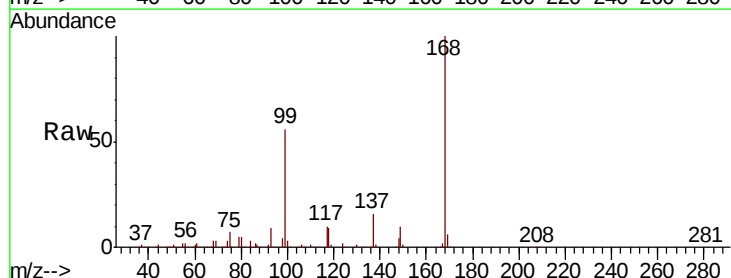
Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW345-200514DL2

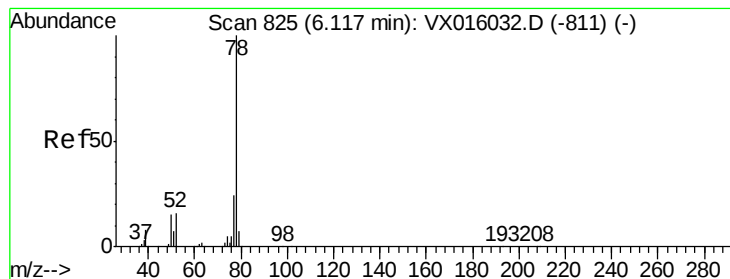
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.1	54.1#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 5.614 ug/l
 RT: 5.63 min Scan# 746
 Delta R.T. -0.12 min
 Lab File: VX016332.D
 Acq: 19 May 2020 14:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	80.3	120.5#
121	0.0	25.7	38.5#





#40

Benzene

Concen: 0.283 ug/l

RT: 6.11 min Scan# 824

Delta R.T. -0.01 min

Lab File: VX016332.D

Acq: 19 May 2020 14:19

Instrument :

MSVOA_X

ClientSampleId :

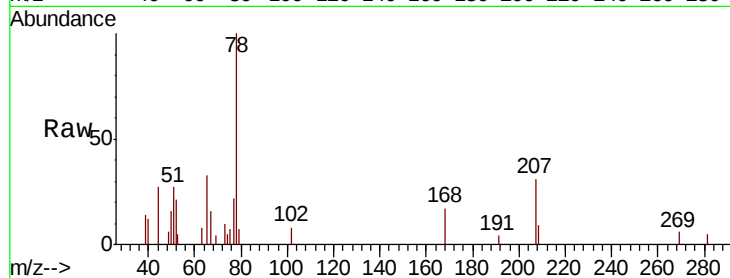
WP021MW345-200514DL2

Tot Ion: 78 Resp: 3281

Ion Ratio Lower Upper

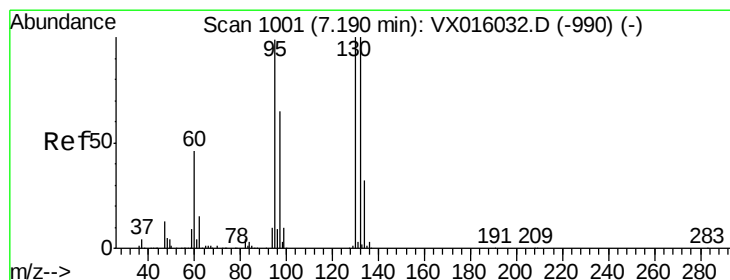
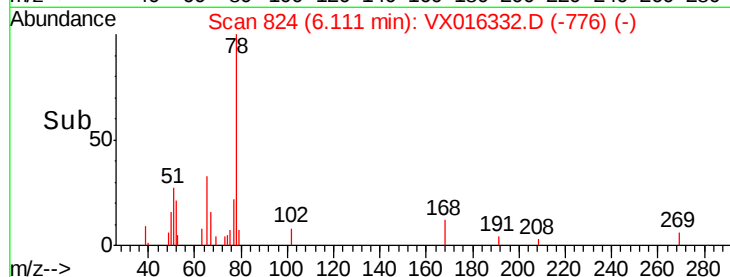
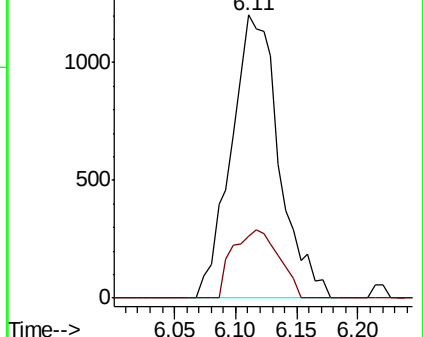
78 100

77 21.7 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#44

Trichloroethene

Concen: 3.651 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016332.D

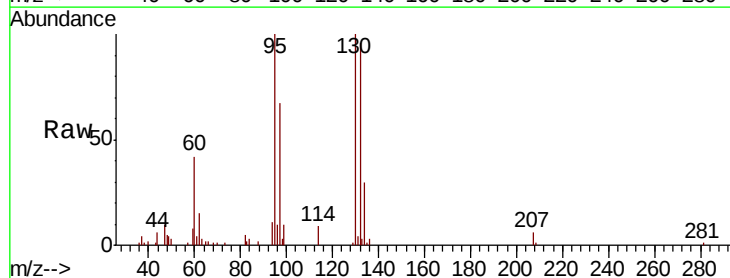
Acq: 19 May 2020 14:19

Tgt Ion: 130 Resp: 15017

Ion Ratio Lower Upper

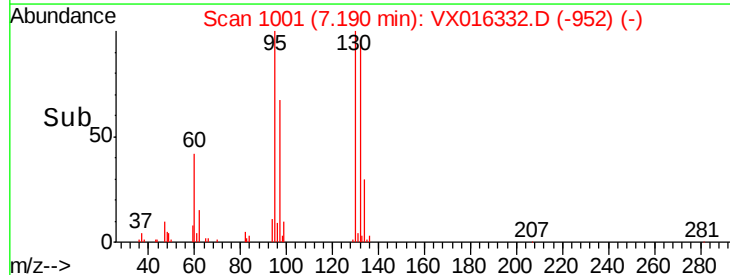
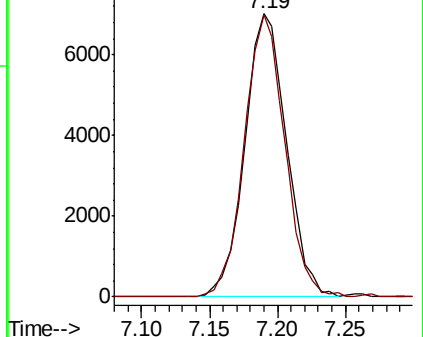
130 100

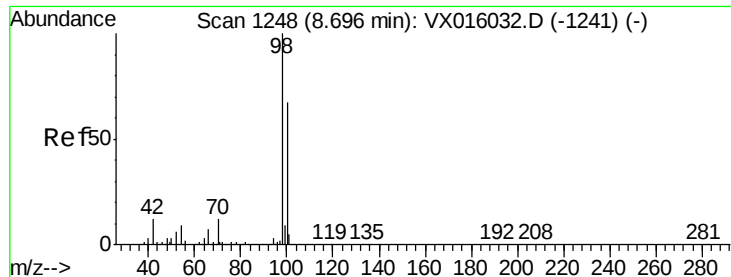
95 99.9 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 50.292 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016332.D

Acq: 19 May 2020 14:19

Instrument :

MSVOA_X

ClientSampleId :

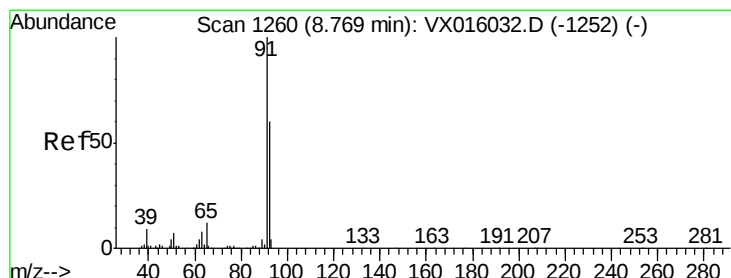
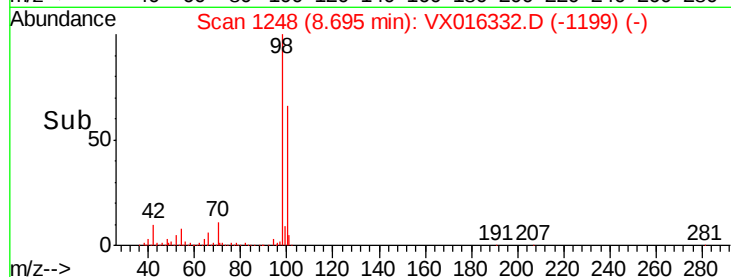
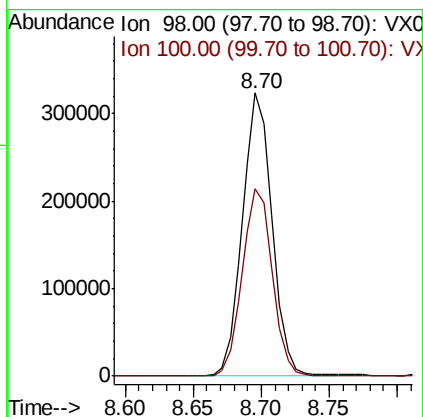
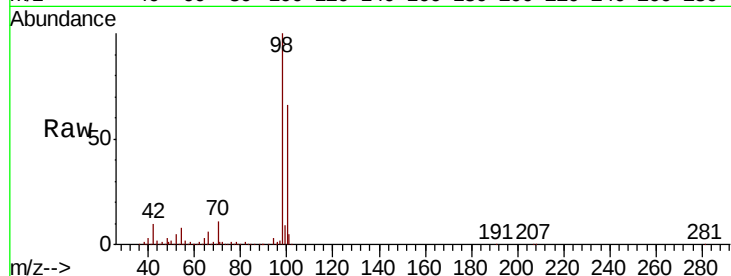
WP021MW345-200514DL2

Tot Ion: 98 Resp: 493542

Ion Ratio Lower Upper

98 100

100 67.3 53.7 80.5



#52

Toluene

Concen: 0.267 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016332.D

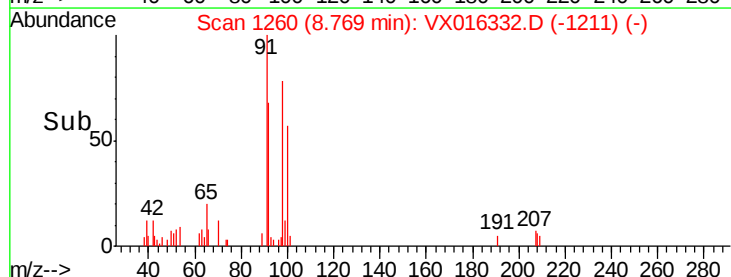
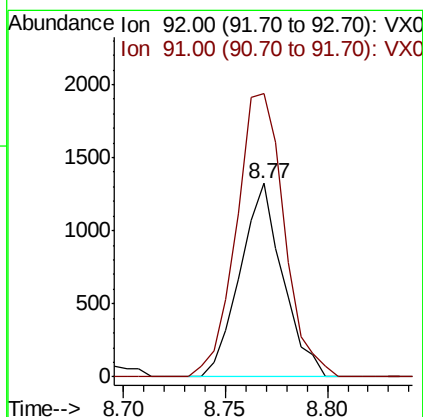
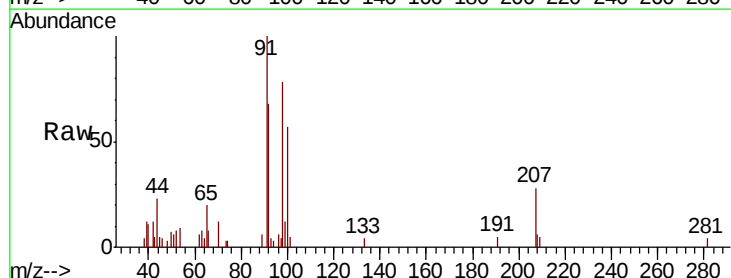
Acq: 19 May 2020 14:19

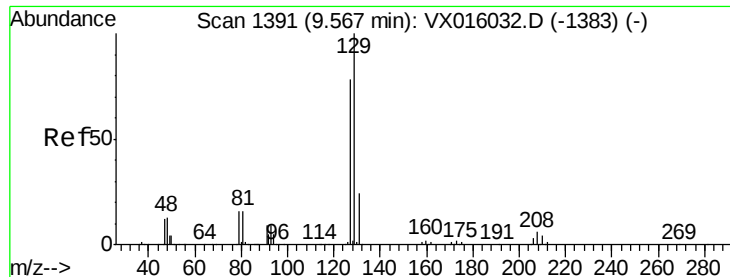
Tgt Ion: 92 Resp: 1928

Ion Ratio Lower Upper

92 100

91 163.9 134.5 201.7





#60

Dibromochloromethane

Concen: 0.300 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX016332.D

Acq: 19 May 2020 14:19

Instrument :

MSVOA_X

ClientSampleId :

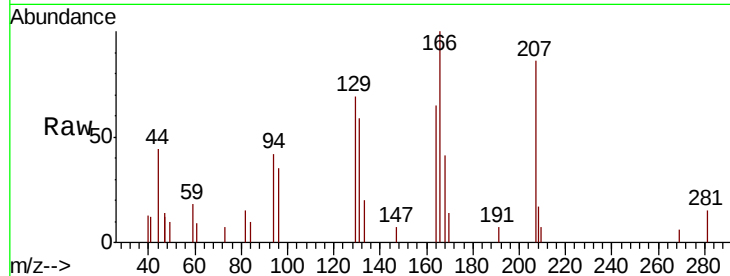
WP021MW345-200514DL2

Tot Ion:129 Resp: 938

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.32

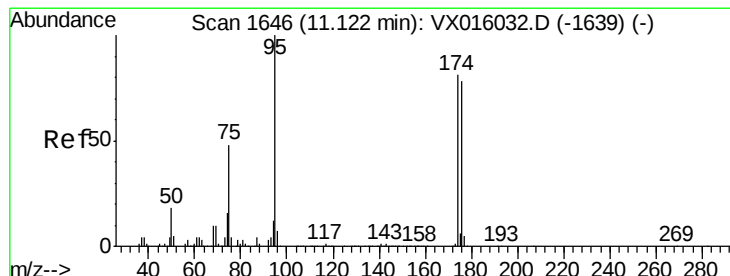
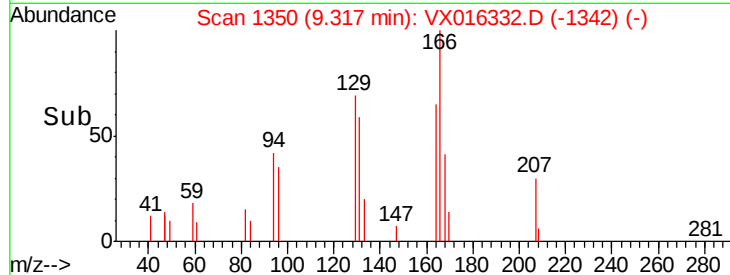
600

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: 54.141 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016332.D

Acq: 19 May 2020 14:19

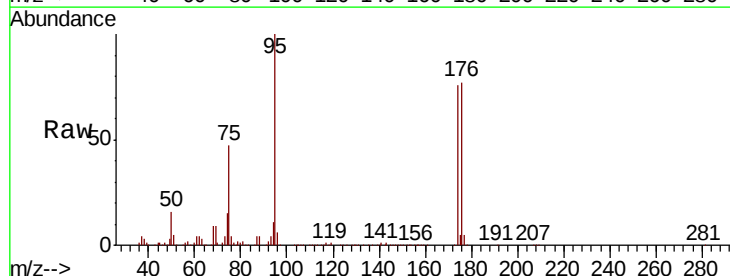
Tgt Ion: 95 Resp: 202085

Ion Ratio Lower Upper

95 100

174 79.4 0.0 159.4

176 77.7 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

200000

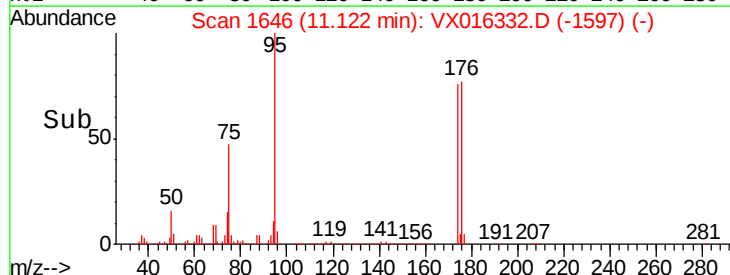
150000

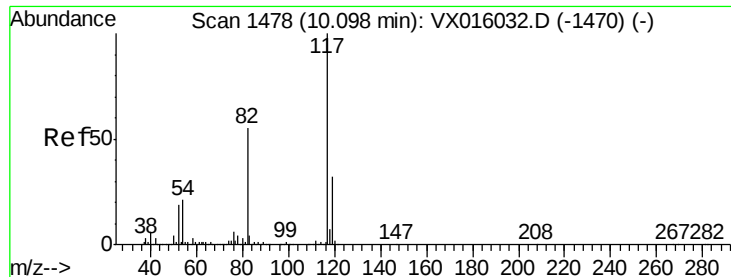
100000

50000

0

Time-->

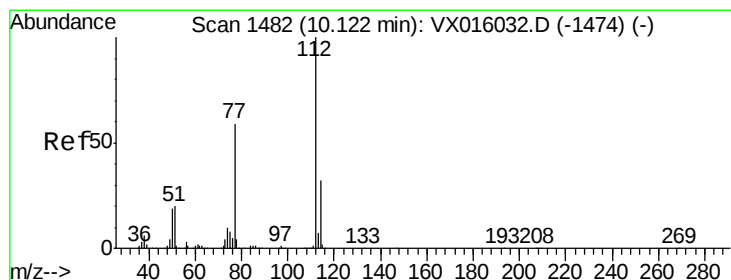
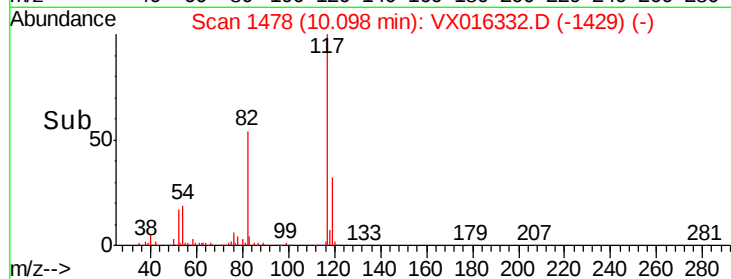
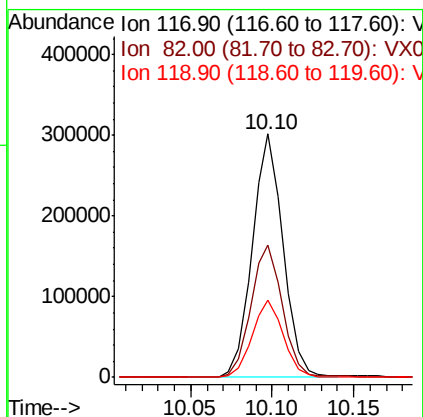
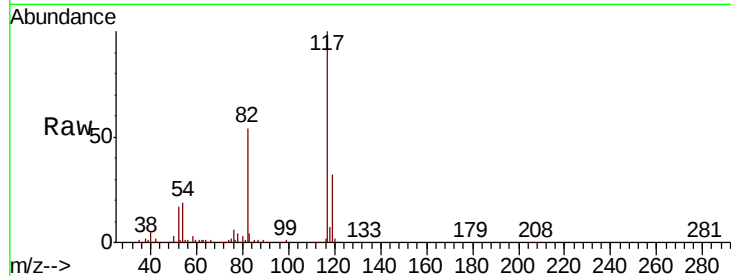




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016332.D
Acq: 19 May 2020 14:19

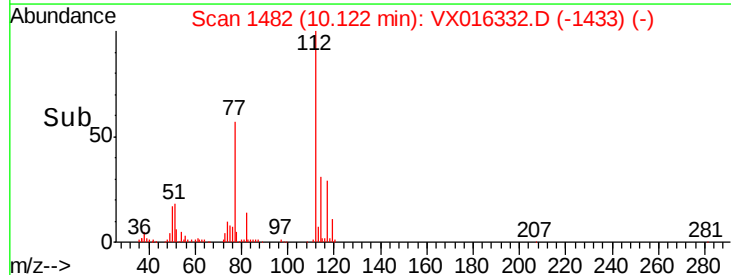
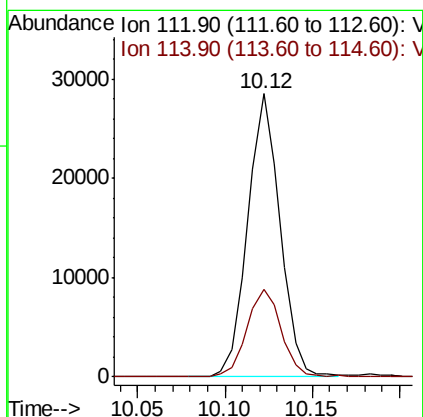
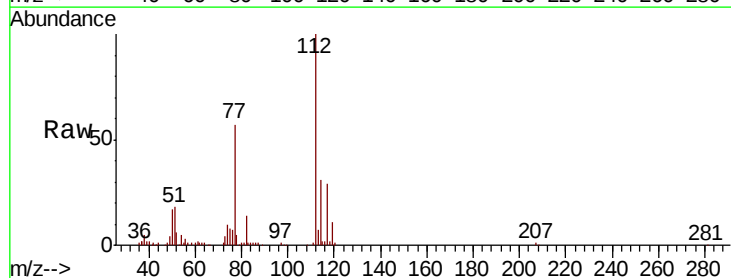
Instrument :
MSVOA_X
ClientSampleId :
WP021MW345-200514DL2

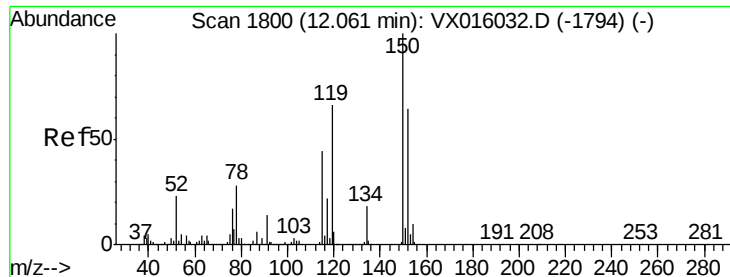
Tot Ion:117 Resp: 395771
Ion Ratio Lower Upper
117 100
82 54.3 44.4 66.6
119 31.6 25.5 38.3



#65
Chlorobenzene
Concen: 4.434 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016332.D
Acq: 19 May 2020 14:19

Tgt Ion:112 Resp: 36742
Ion Ratio Lower Upper
112 100
114 31.1 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: VX016332.D

Acq: 19 May 2020 14:19

Instrument :

MSVOA_X

ClientSampleId :

WP021MW345-200514DL2

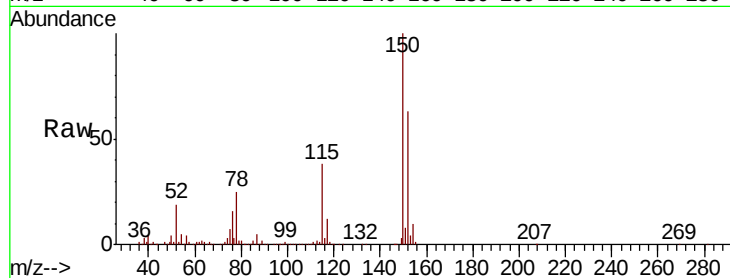
Tot Ion:152 Resp: 203765

Ion Ratio Lower Upper

152 100

115 58.6 41.3 124.1

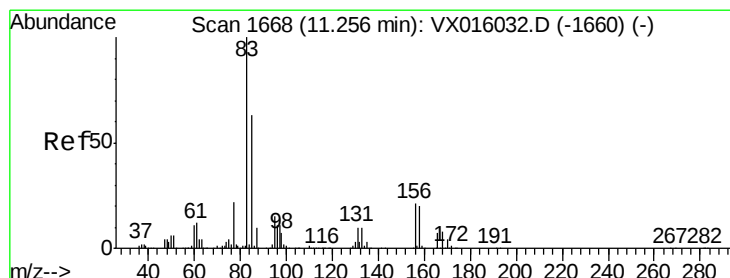
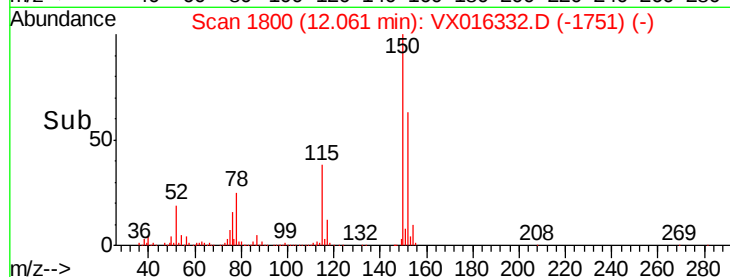
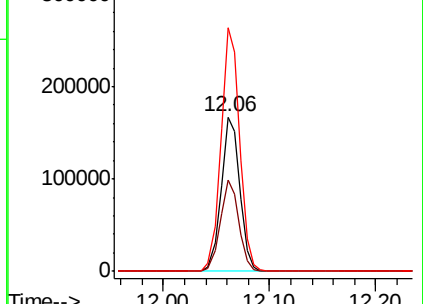
150 157.7 0.0 352.2



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: 2.100 ug/l

RT: 11.13 min Scan# 1647

Delta R.T. -0.13 min

Lab File: VX016332.D

Acq: 19 May 2020 14:19

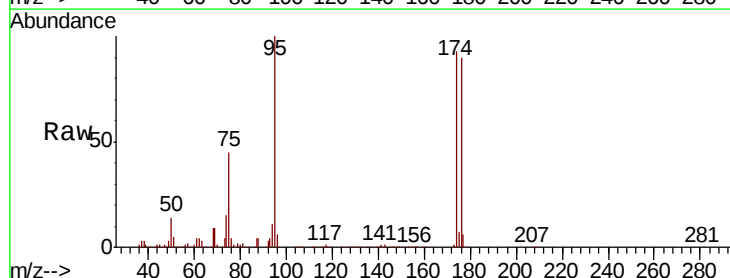
Tgt Ion: 83 Resp: 142

Ion Ratio Lower Upper

83 100

131 178.9 5.1 15.4#

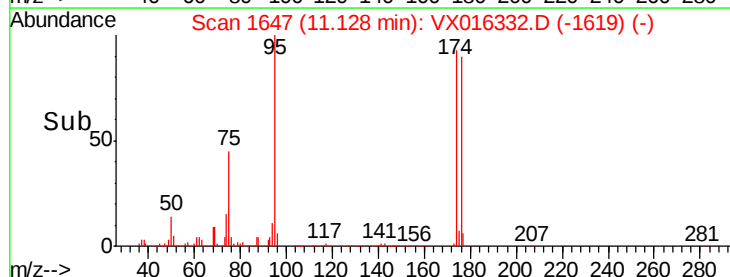
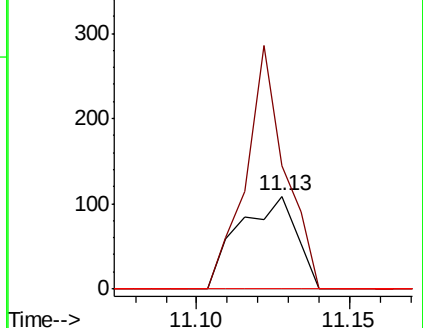
85 0.0 32.0 96.0#

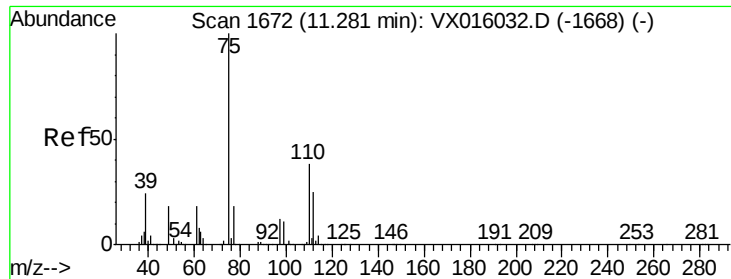


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 20.867 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016332.D

Acq: 19 May 2020 14:19

Instrument :

MSVOA_X

ClientSampleId :

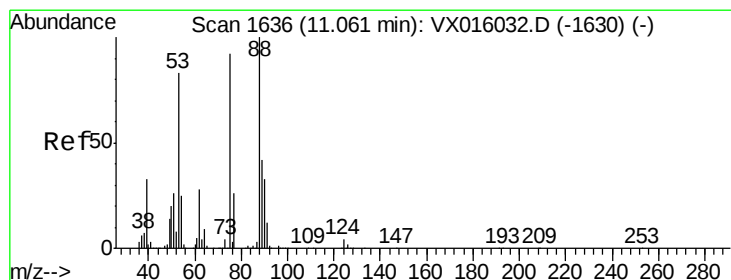
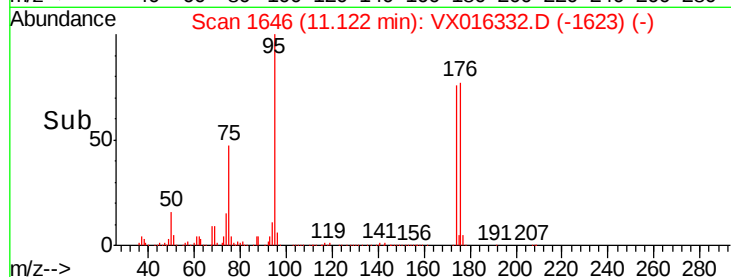
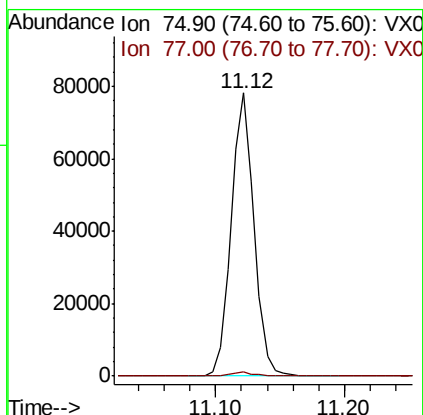
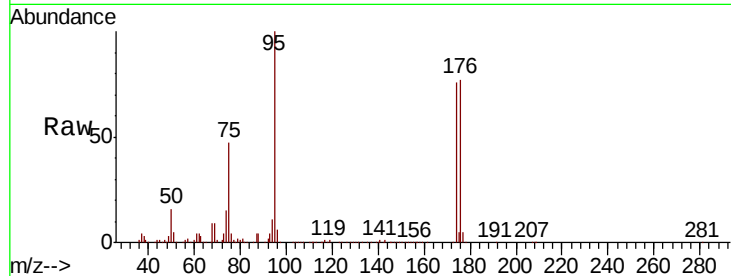
WP021MW345-200514DL2

Tot Ion: 75 Resp: 96485

Ion Ratio Lower Upper

75 100

77 1.3 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 49.727 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016332.D

Acq: 19 May 2020 14:19

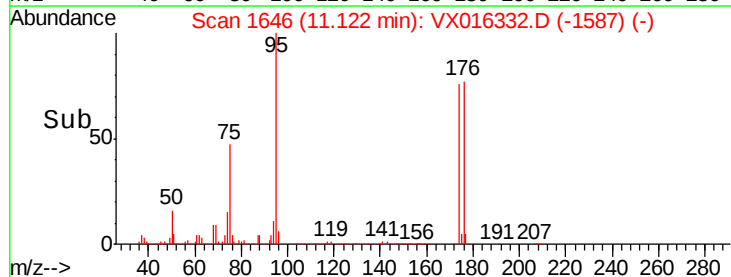
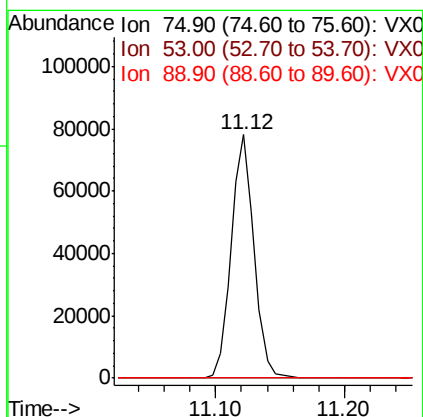
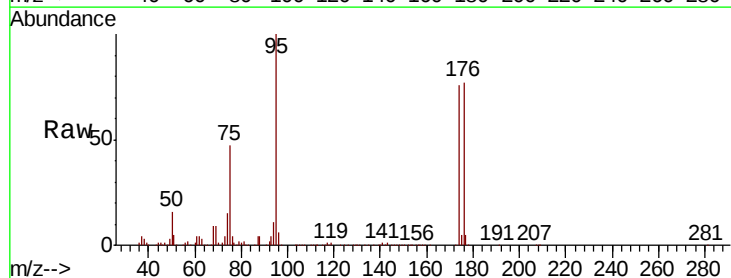
Tgt Ion: 75 Resp: 96485

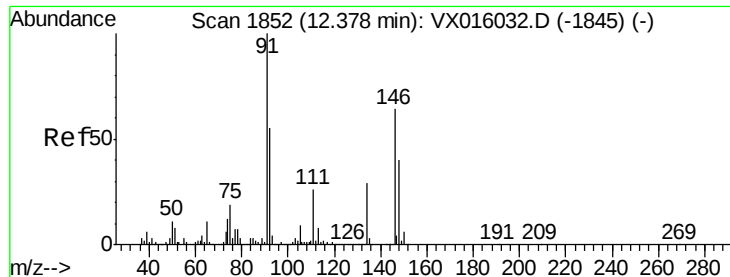
Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.0 36.7 55.1#

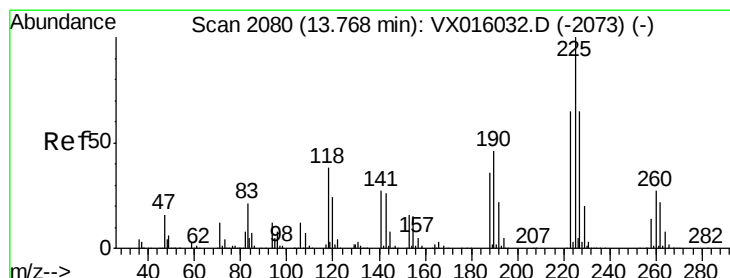
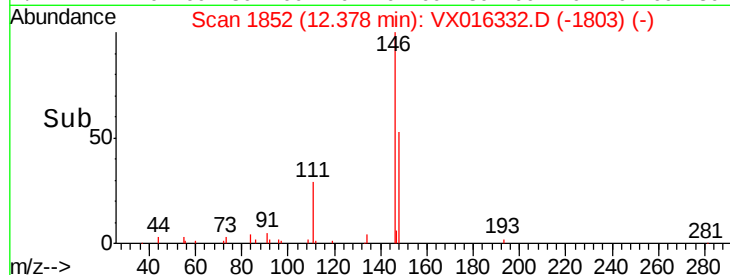
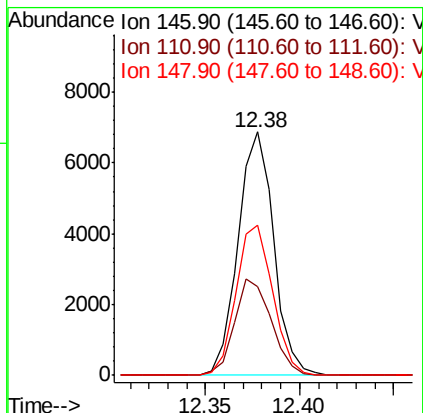
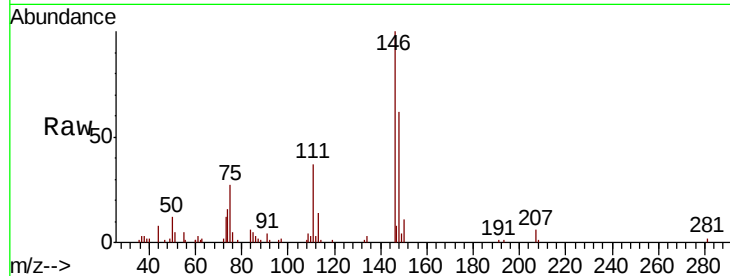




#91
 1,2-Dichlorobenzene
 Concen: 1.364 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX016332.D
 Acq: 19 May 2020 14:19

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW345-200514DL2

Tot Ion:146 Resp: 9022
 Ion Ratio Lower Upper
 146 100
 111 40.9 21.1 63.1
 148 63.1 32.4 97.0



#94
 Hexachlorobutadiene
 Concen: 0.553 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016332.D
 Acq: 19 May 2020 14:19

Tgt Ion:225 Resp: 63
 Ion Ratio Lower Upper
 225 100
 223 0.0 32.3 96.9#
 227 36.5 31.8 95.4

