

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051920\
 Data File : VX016328.D
 Acq On : 19 May 2020 12:49
 Operator : JC/SP
 Sample : L2672-03DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW173-200514DL

Quant Time: May 20 03:46:09 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	247300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	415780	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	407487	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	207059	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	147117	45.21	ug/l	0.00
Spiked Amount			Recovery	=	90.42%	
35) Dibromofluoromethane	5.46	113	120271	45.66	ug/l	0.00
Spiked Amount			Recovery	=	91.32%	
50) Toluene-d8	8.70	98	513310	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	
62) 4-Bromofluorobenzene	11.12	95	206208	53.42	ug/l	0.00
Spiked Amount			Recovery	=	106.84%	

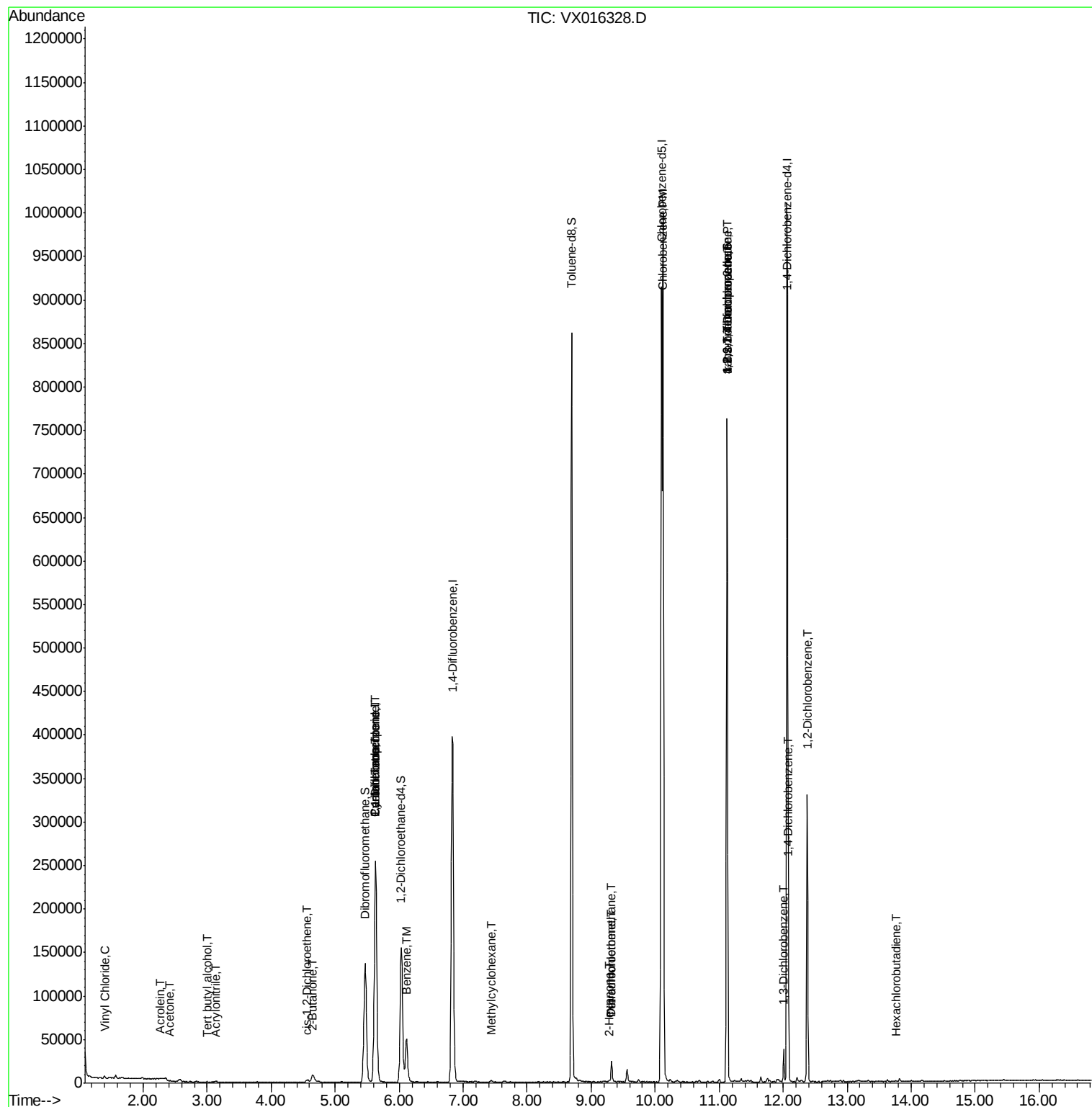
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	1295	0.399	ug/l	94
11) Tert butyl alcohol	3.01	59	303	0.368	ug/l #	72
13) Acrolein	2.27	56	556	1.080	ug/l #	47
15) Acrylonitrile	3.12	53	425	0.249	ug/l #	69
16) Acetone	2.42	43	977	0.673	ug/l	92
17) Carbon Disulfide	2.56	76	1439	Below Cal	#	88
25) 2-Butanone	4.65	43	824	0.352	ug/l #	48
27) cis-1,2-Dichloroethene	4.56	96	1096	0.350	ug/l	52
31) Cyclohexane	5.64	56	4630	1.024	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	18379	4.491	ug/l #	48
38) Carbon Tetrachloride	5.63	117	24370	5.858	ug/l #	15
39) Methylcyclohexane	7.45	83	998	0.202	ug/l	95
40) Benzene	6.12	78	61446	5.131	ug/l	100
59) 2-Hexanone	9.28	43	907	0.249	ug/l	66
60) Dibromochloromethane	9.32	129	4360	1.348	ug/l #	11
64) Tetrachloroethene	9.32	164	4726	0.945	ug/l	92
65) Chlorobenzene	10.12	112	436921	51.208	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.12	83	101	2.085	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	97820	20.819	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	97820	49.613	ug/l #	13
87) 1,3-Dichlorobenzene	12.01	146	11891	1.704	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	26920	3.800	ug/l	93
91) 1,2-Dichlorobenzene	12.38	146	109131	16.238	ug/l	99
94) Hexachlorobutadiene	13.77	225	197	0.614	ug/l	77

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051920\
Data File : VX016328.D
Acq On : 19 May 2020 12:49
Operator : JC/SP
Sample : L2672-03DL 20X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WP021MW173-200514DL

Quant Time: May 20 03:46:09 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
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: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016328.D

Acq: 19 May 2020 12:49

Instrument :

MSVOA_X

ClientSampleId :

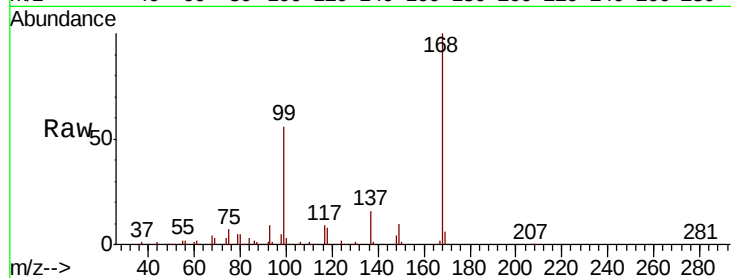
WP021MW173-200514DL

Tot Ion:168 Resp: 247300

Ion Ratio Lower Upper

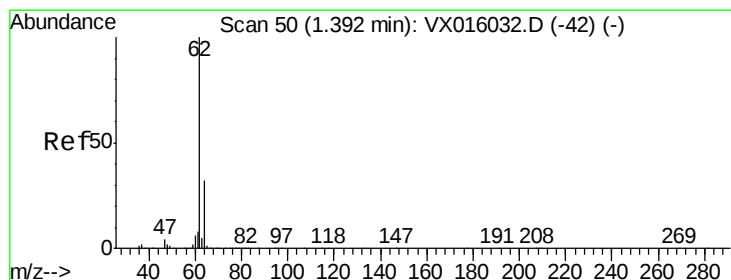
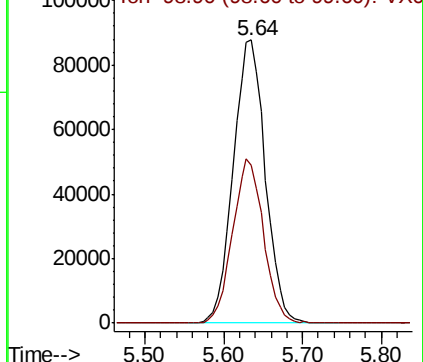
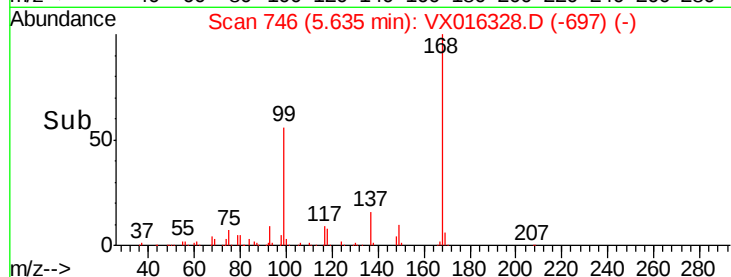
168 100

99 56.0 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: 0.399 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016328.D

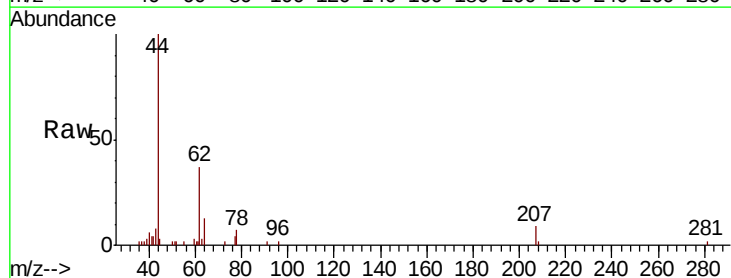
Acq: 19 May 2020 12:49

Tgt Ion: 62 Resp: 1295

Ion Ratio Lower Upper

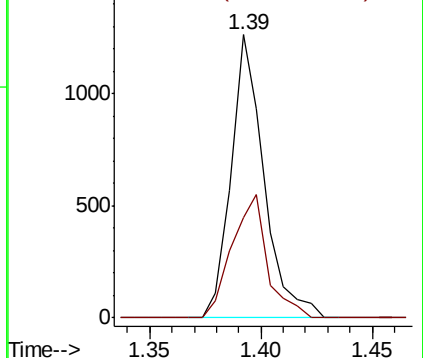
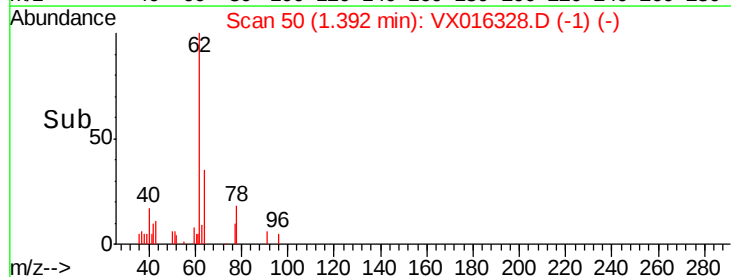
62 100

64 35.4 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



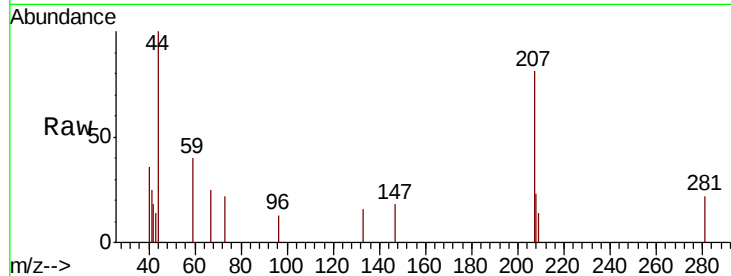


#11

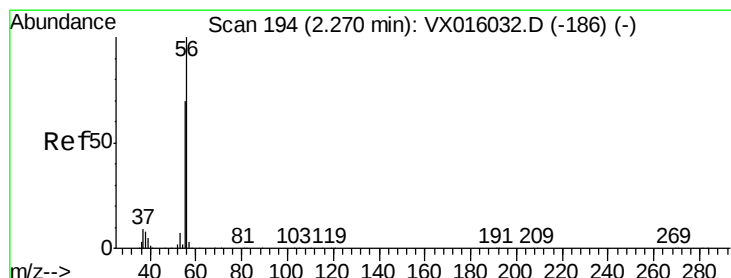
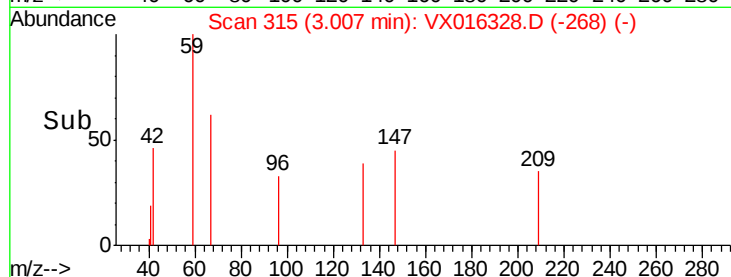
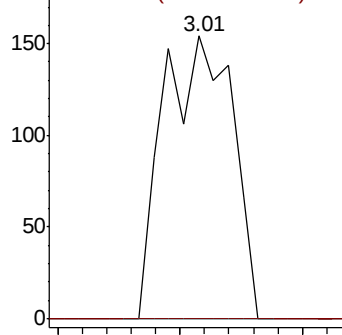
Tert butyl alcohol
 Concen: 0.368 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX016328.D
 Acq: 19 May 2020 12:49

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW173-200514DL

Tot Ion: 59 Resp: 303
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#



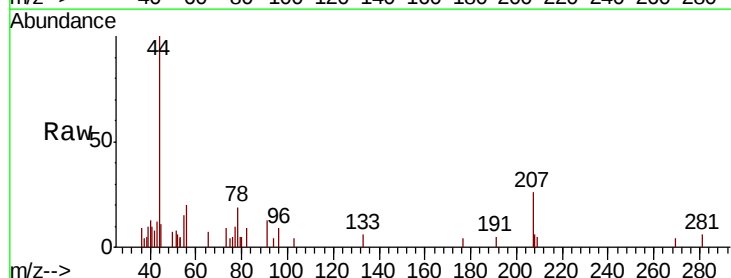
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



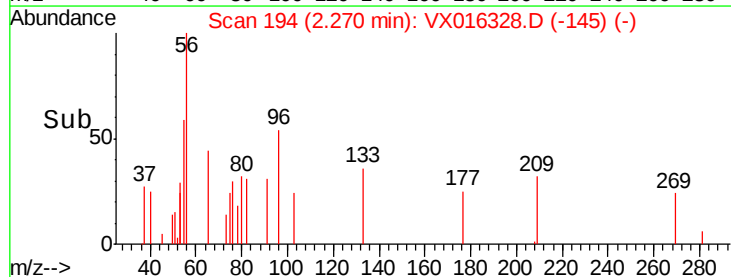
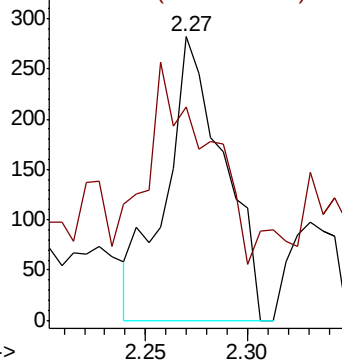
#13

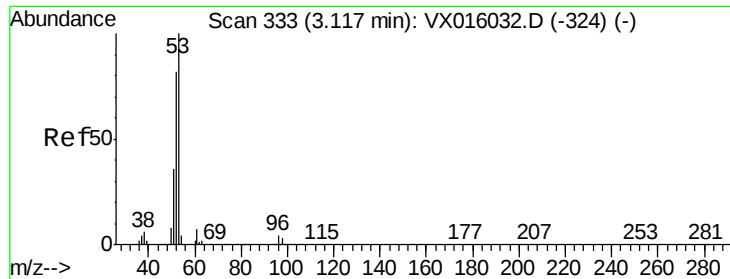
Acrolein
 Concen: 1.080 ug/l
 RT: 2.27 min Scan# 194
 Delta R.T. -0.00 min
 Lab File: VX016328.D
 Acq: 19 May 2020 12:49

Tgt Ion: 56 Resp: 556
 Ion Ratio Lower Upper
 56 100
 55 114.2 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.249 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX016328.D

Acq: 19 May 2020 12:49

Instrument :

MSVOA_X

ClientSampleId :

WP021MW173-200514DL

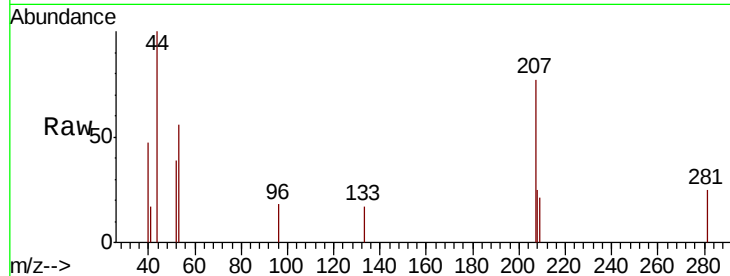
Tot Ion: 53 Resp: 425

Ion Ratio Lower Upper

53 100

52 43.3 66.1 99.1#

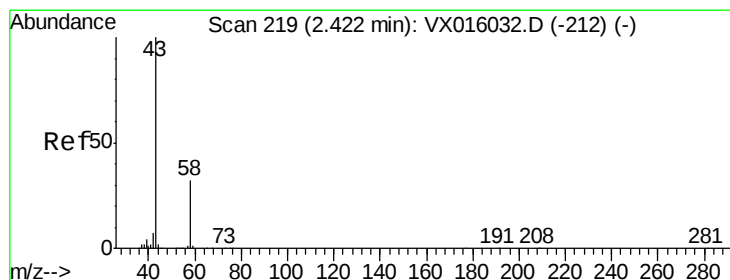
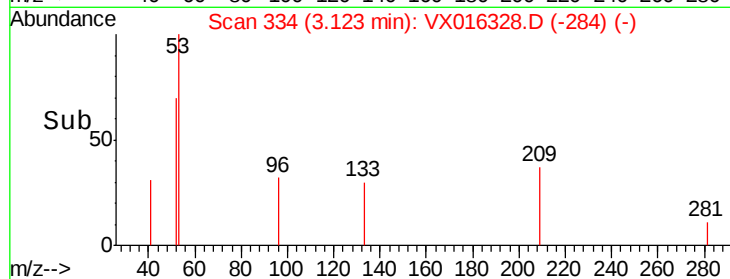
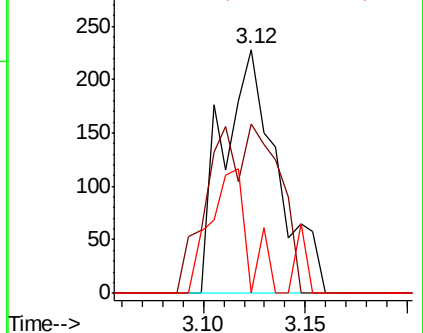
51 35.5 28.8 43.2



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



#16

Acetone

Concen: 0.673 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016328.D

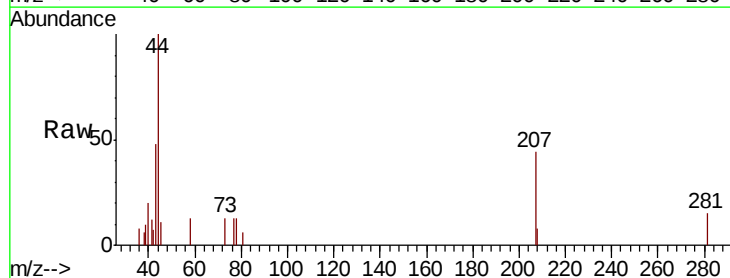
Acq: 19 May 2020 12:49

Tgt Ion: 43 Resp: 977

Ion Ratio Lower Upper

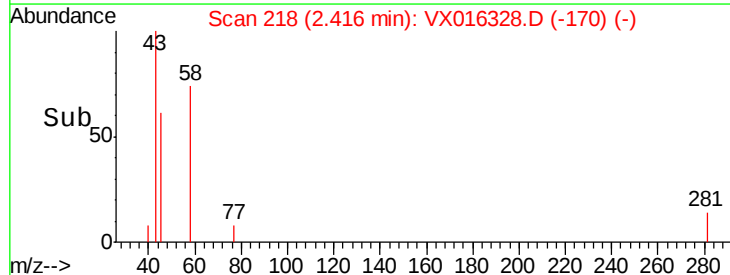
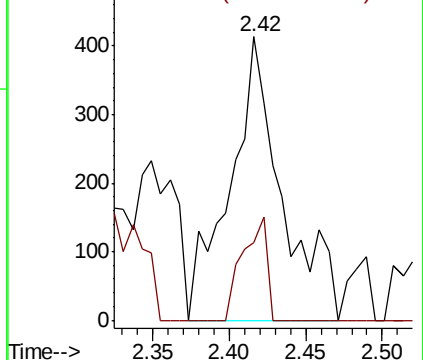
43 100

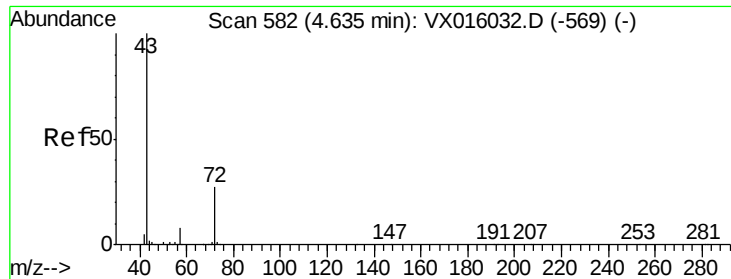
58 27.4 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#25

2-Butanone

Concen: 0.352 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.02 min

Lab File: VX016328.D

Acq: 19 May 2020 12:49

Instrument :

MSVOA_X

ClientSampleId :

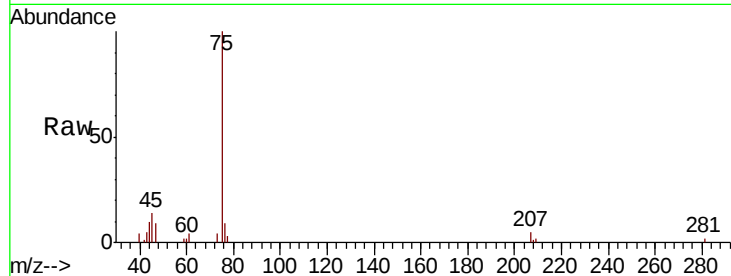
WP021MW173-200514DL

Tot Ion: 43 Resp: 824

Ion Ratio Lower Upper

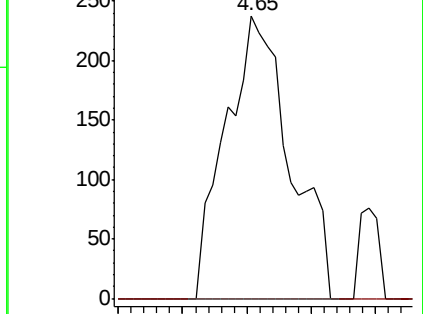
43 100

72 0.0 21.8 32.8#

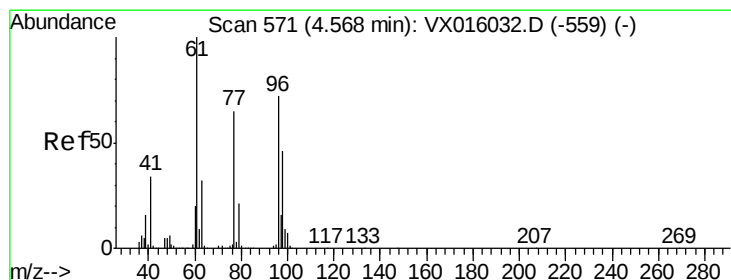
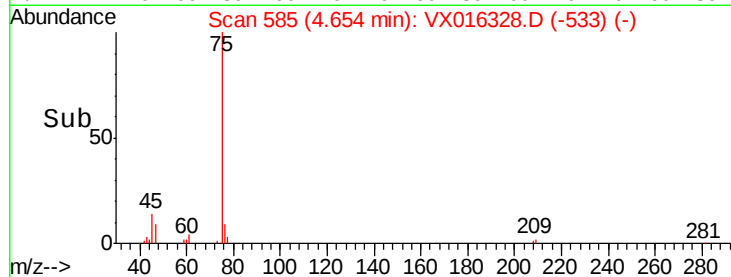


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#27

cis-1,2-Dichloroethene

Concen: 0.350 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.01 min

Lab File: VX016328.D

Acq: 19 May 2020 12:49

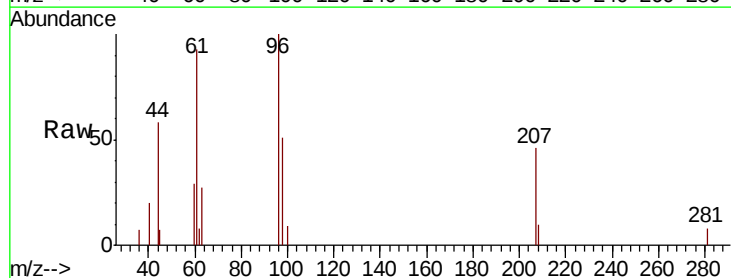
Tgt Ion: 96 Resp: 1096

Ion Ratio Lower Upper

96 100

61 207.9 0.0 296.2

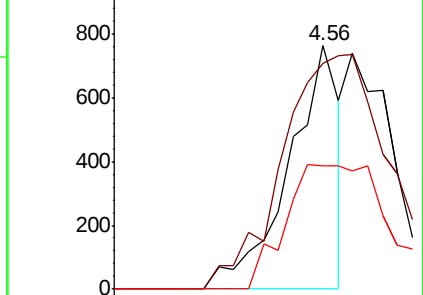
98 103.1 0.0 129.4



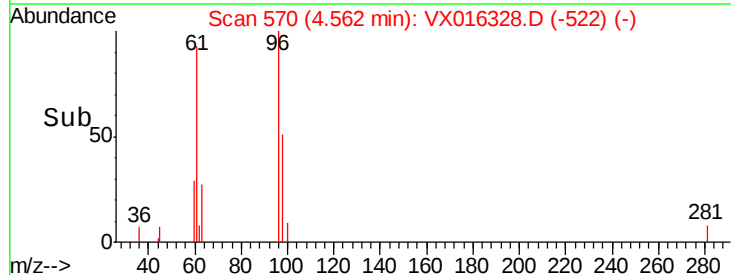
Abundance Ion 95.90 (95.60 to 96.60): VX0

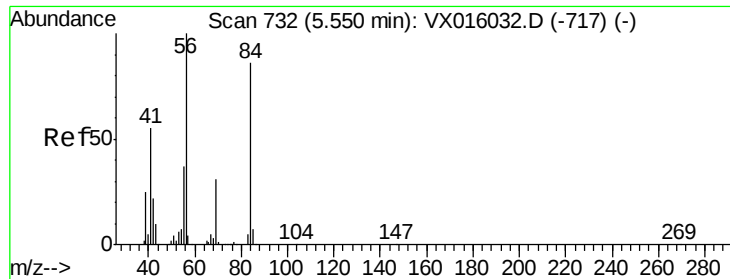
Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



Time-->

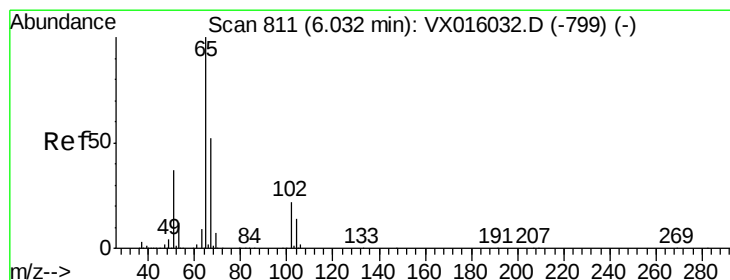
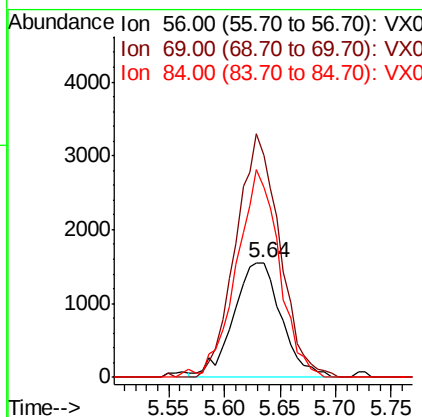
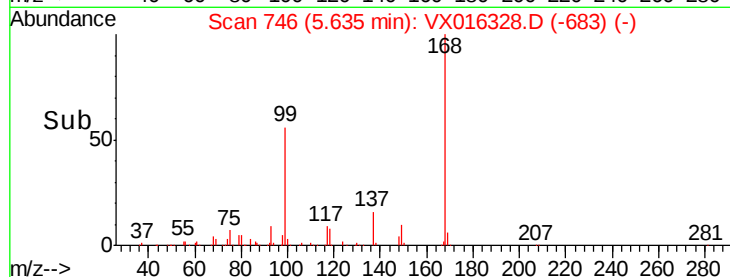
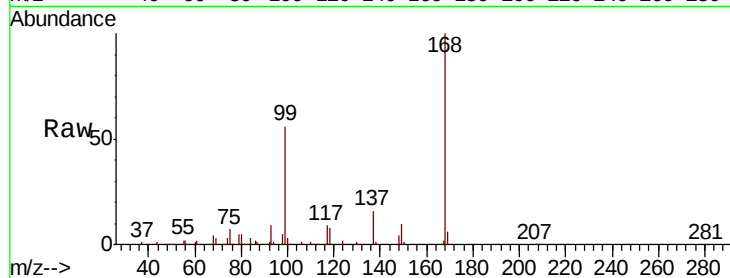




#31
Cyclohexane
Concen: 1.024 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX016328.D
Acq: 19 May 2020 12:49

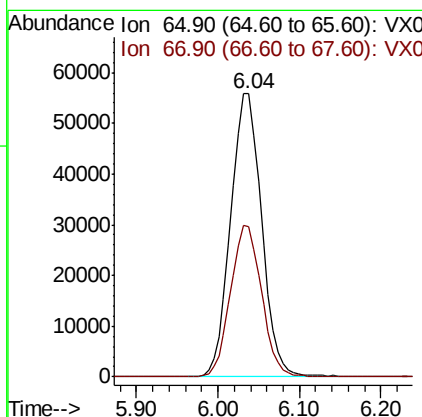
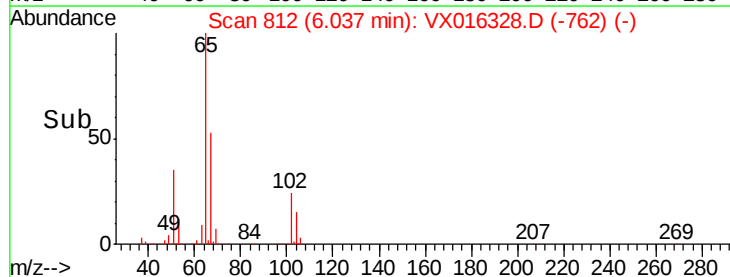
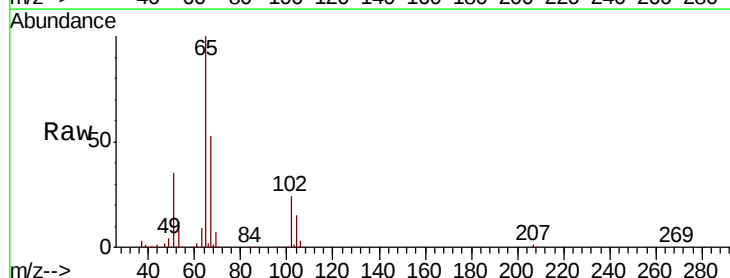
Instrument :
MSVOA_X
ClientSampleId :
WP021MW173-200514DL

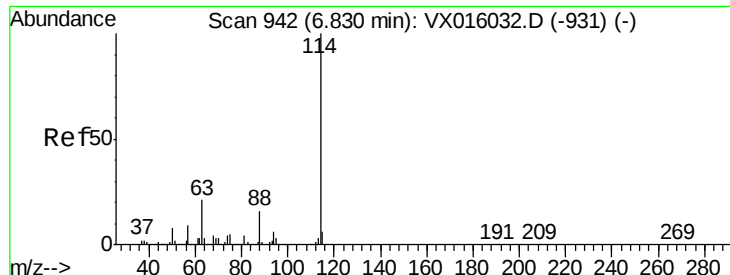
Tot Ion: 56 Resp: 4630
Ion Ratio Lower Upper
56 100
69 193.0 25.0 37.6#
84 165.2 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 45.208 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX016328.D
Acq: 19 May 2020 12:49

Tgt Ion: 65 Resp: 147117
Ion Ratio Lower Upper
65 100
67 53.6 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016328.D

Acq: 19 May 2020 12:49

Instrument :

MSVOA_X

ClientSampleId :

WP021MW173-200514DL

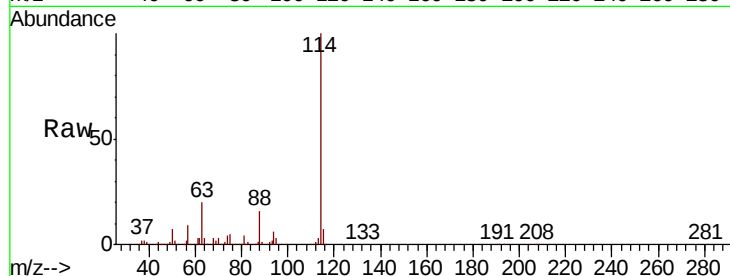
Tot Ion:114 Resp: 415780

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.8

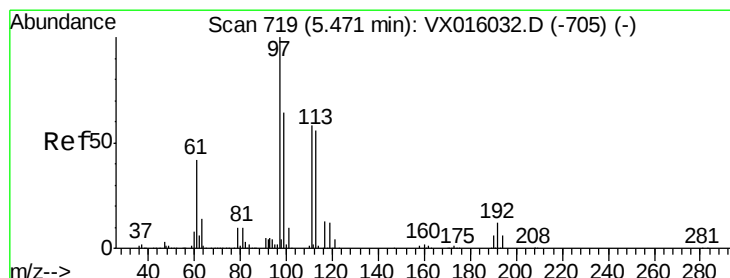
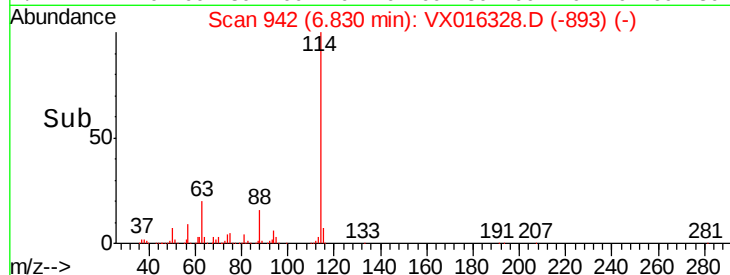
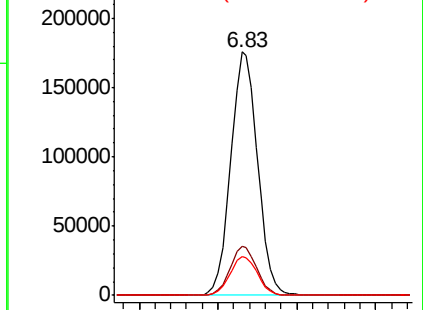
88 16.0 0.0 31.4



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: 45.658 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX016328.D

Acq: 19 May 2020 12:49

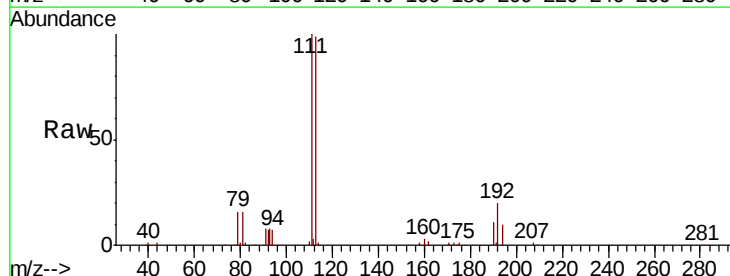
Tgt Ion:113 Resp: 120271

Ion Ratio Lower Upper

113 100

111 102.9 81.6 122.4

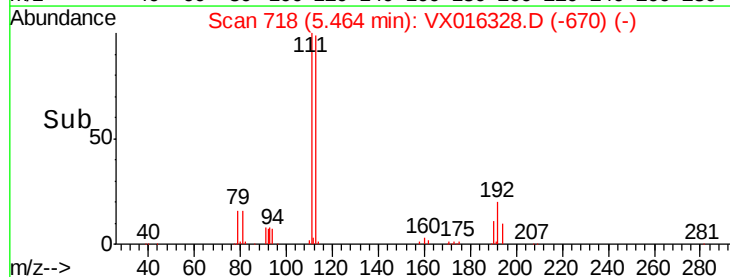
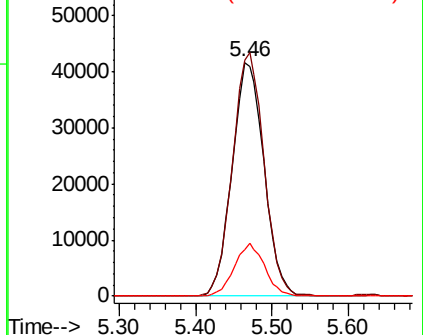
192 21.5 17.0 25.4

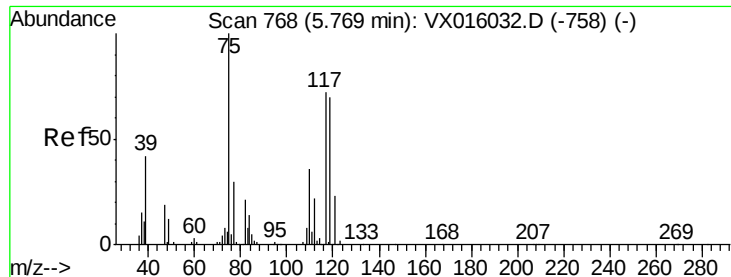


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.491 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016328.D

Acq: 19 May 2020 12:49

Instrument :

MSVOA_X

ClientSampleId :

WP021MW173-200514DL

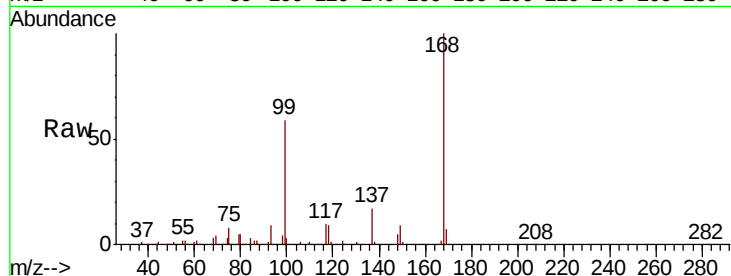
Tot Ion: 75 Resp: 18379

Ion Ratio Lower Upper

75 100

110 8.2 18.1 54.1#

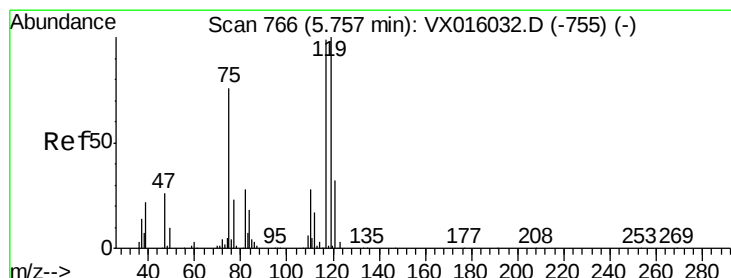
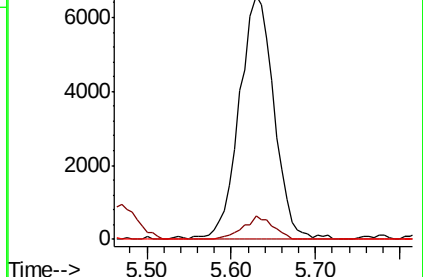
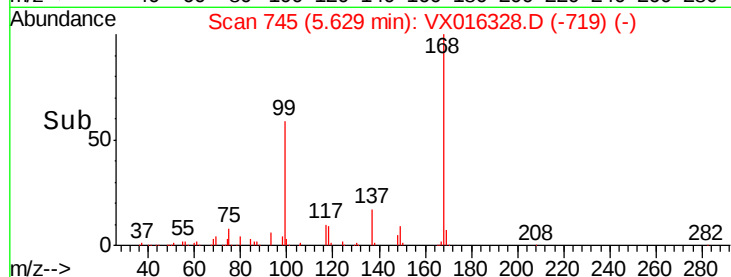
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VX016328.D (-719) (-)

Ion 109.90 (109.60 to 110.60): VX016328.D (-719) (-)

Ion 76.90 (76.60 to 77.60): VX016328.D (-719) (-)



#38

Carbon Tetrachloride

Concen: 5.858 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016328.D

Acq: 19 May 2020 12:49

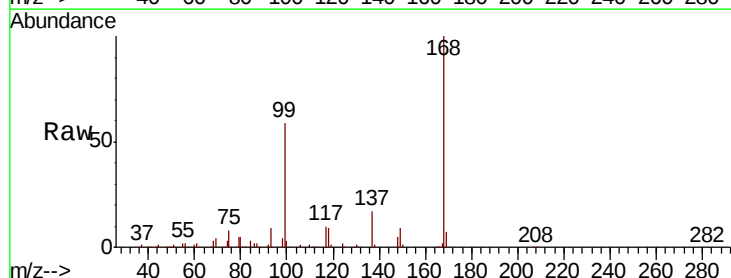
Tgt Ion: 117 Resp: 24370

Ion Ratio Lower Upper

117 100

119 6.4 80.3 120.5#

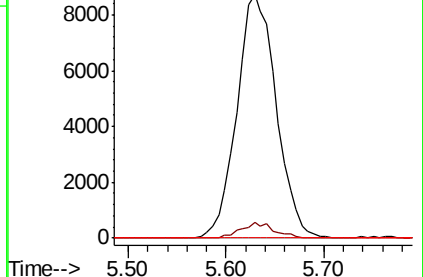
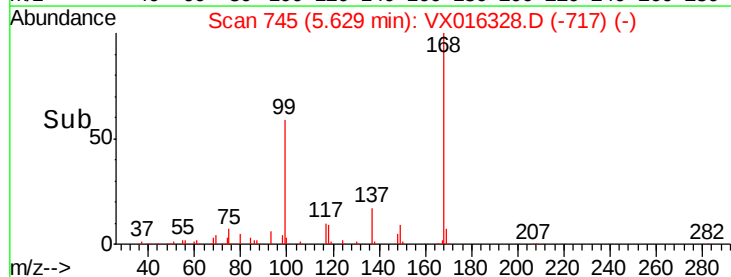
121 0.0 25.7 38.5#

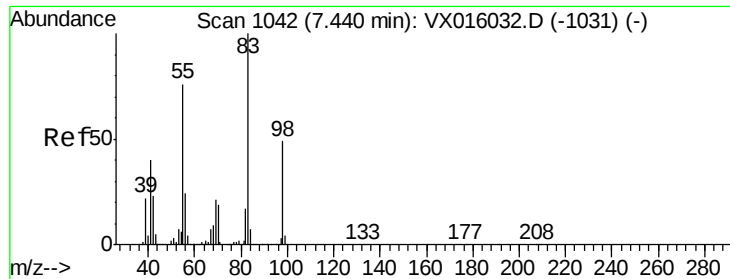


Abundance Ion 116.80 (116.50 to 117.50): VX016328.D (-717) (-)

Ion 118.80 (118.50 to 119.50): VX016328.D (-717) (-)

Ion 120.80 (120.50 to 121.50): VX016328.D (-717) (-)

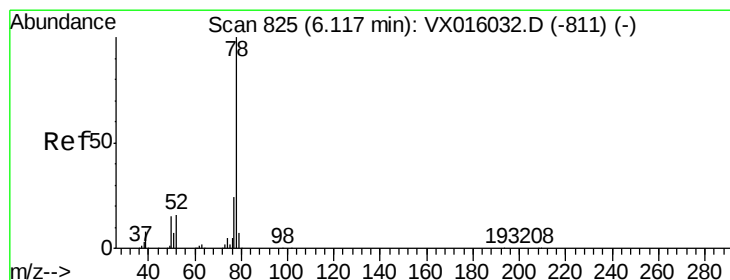
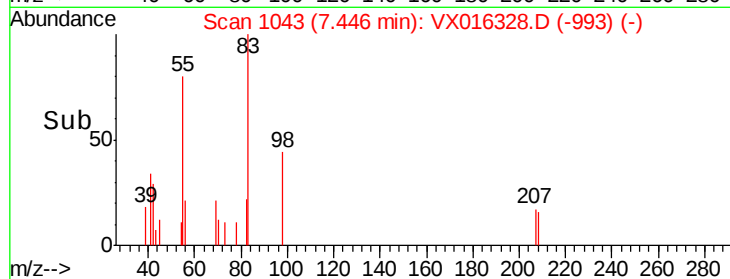
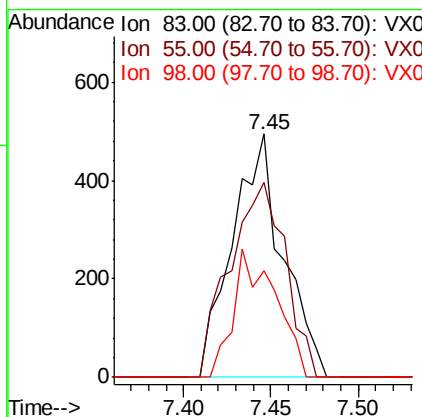
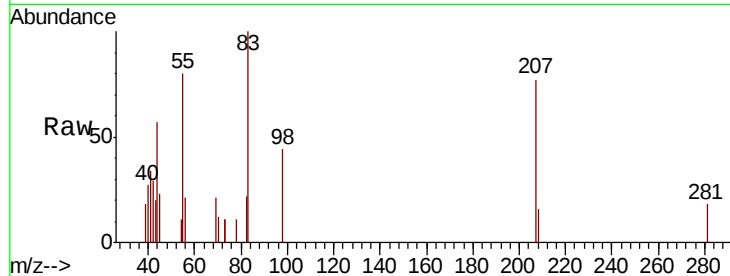




#39
Methvlcvclohexane
Concen: 0.202 ug/l
RT: 7.45 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VX016328.D
Acq: 19 May 2020 12:49

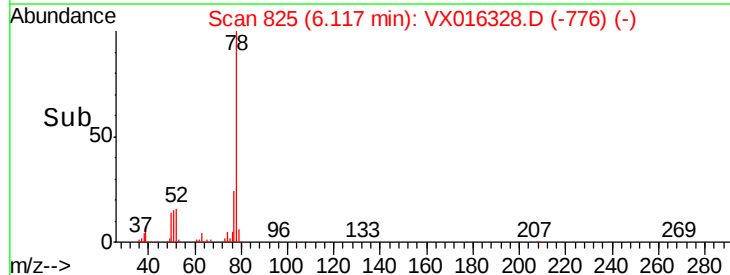
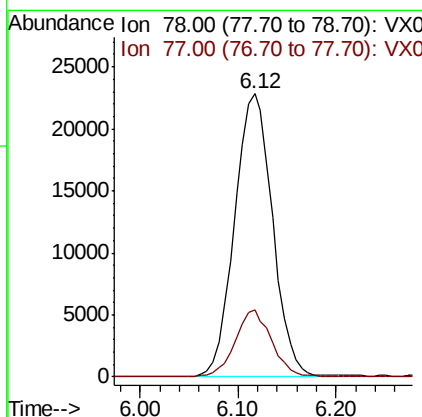
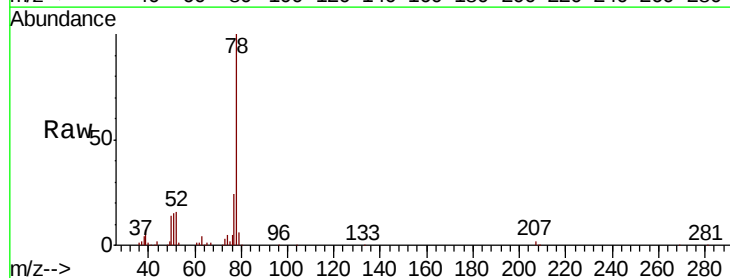
Instrument :
MSVOA_X
ClientSampleId :
WP021MW173-200514DL

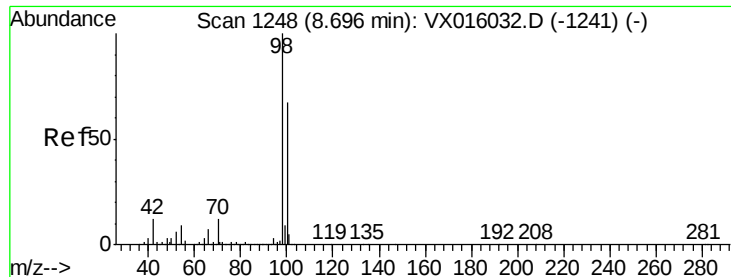
Tot Ion: 83 Resp: 998
Ion Ratio Lower Upper
83 100
55 80.2 61.1 91.7
98 44.0 39.0 58.4



#40
Benzene
Concen: 5.131 ug/l
RT: 6.12 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX016328.D
Acq: 19 May 2020 12:49

Tgt Ion: 78 Resp: 61446
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.4





#50

Toluene-d8

Concen: 50.575 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016328.D

Acq: 19 May 2020 12:49

Instrument :

MSVOA_X

ClientSampleId :

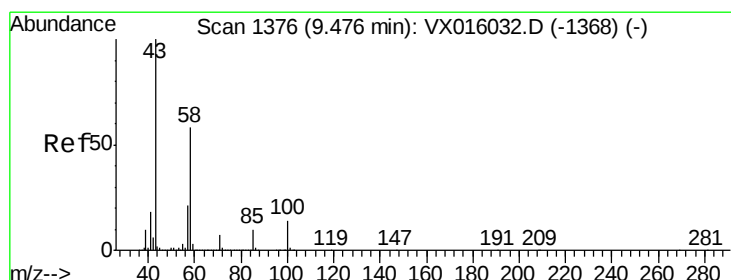
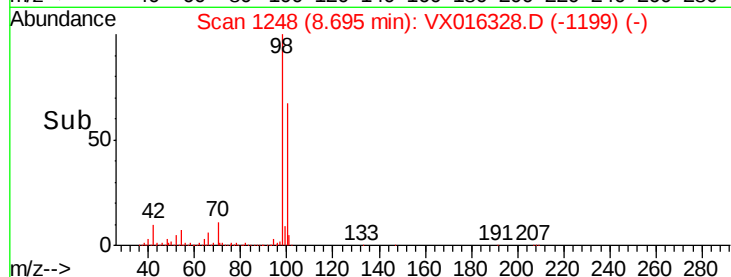
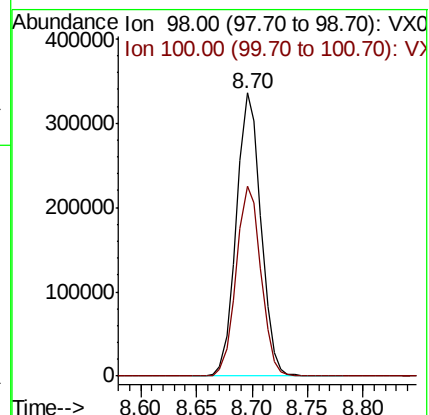
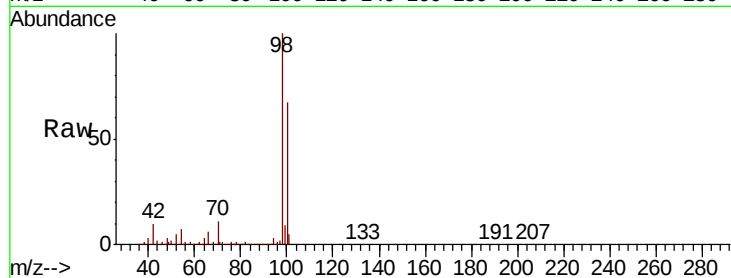
WP021MW173-200514DL

Tot Ion: 98 Resp: 513310

Ion Ratio Lower Upper

98 100

100 67.8 53.7 80.5



#59

2-Hexanone

Concen: 0.249 ug/l

RT: 9.28 min Scan# 1344

Delta R.T. -0.20 min

Lab File: VX016328.D

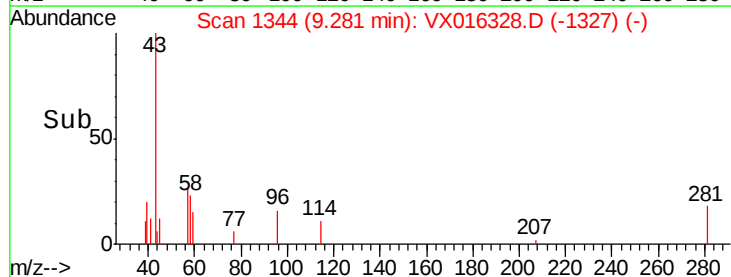
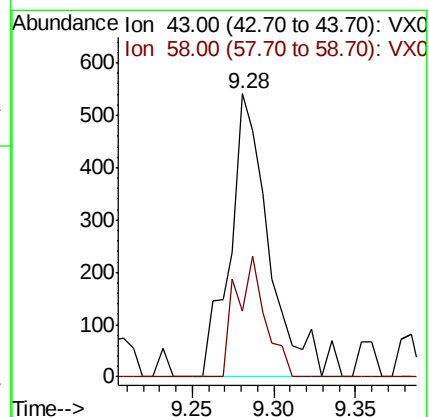
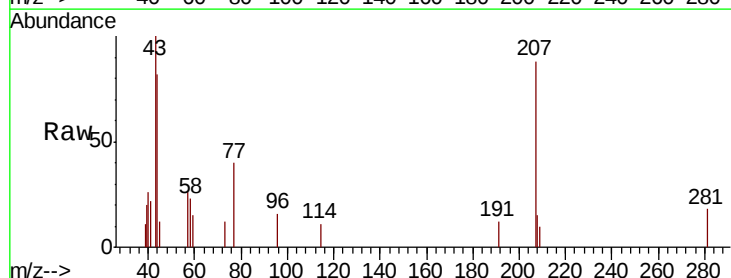
Acq: 19 May 2020 12:49

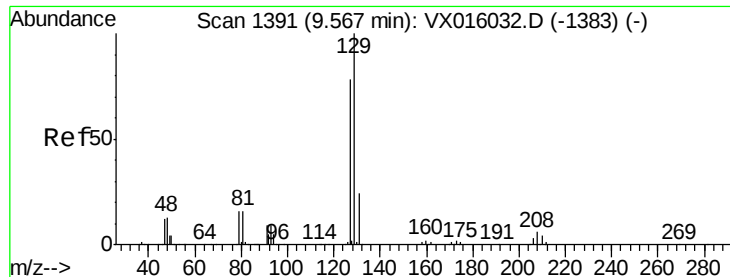
Tgt Ion: 43 Resp: 907

Ion Ratio Lower Upper

43 100

58 31.9 28.6 85.9





#60

Dibromochloromethane

Concen: 1.348 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX016328.D

Acq: 19 May 2020 12:49

Instrument :

MSVOA_X

ClientSampleId :

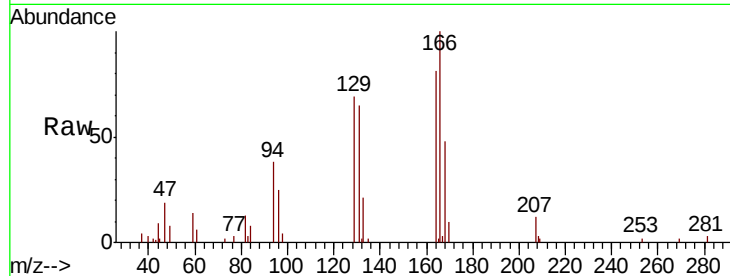
WP021MW173-200514DL

Tot Ion:129 Resp: 4360

Ion Ratio Lower Upper

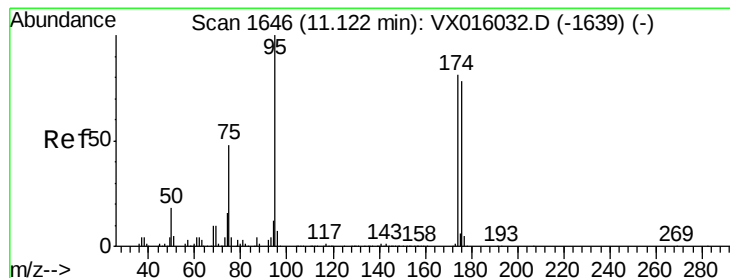
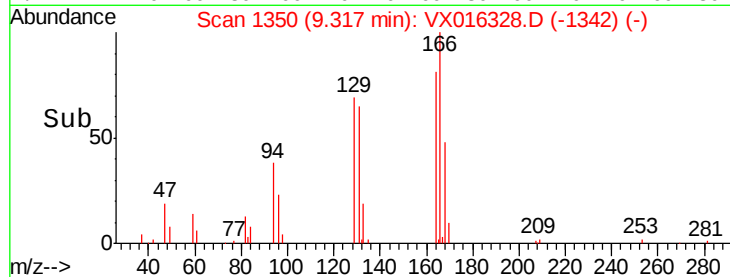
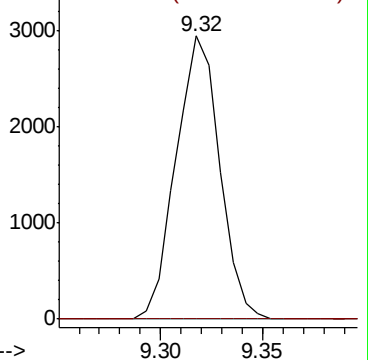
129 100

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



#62

4-Bromofluorobenzene

Concen: 53.416 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016328.D

Acq: 19 May 2020 12:49

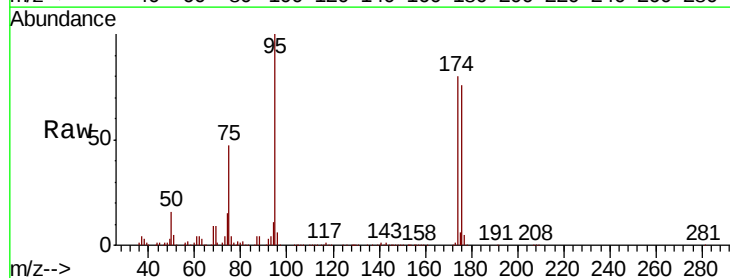
Tgt Ion: 95 Resp: 206208

Ion Ratio Lower Upper

95 100

174 80.7 0.0 159.4

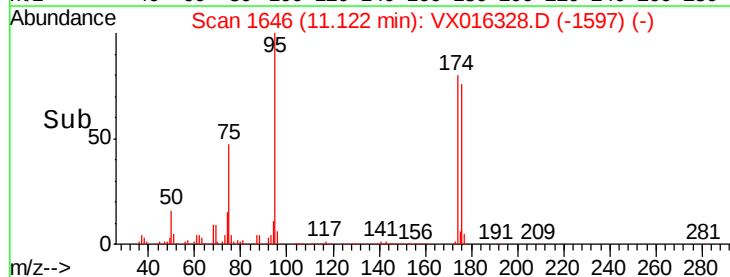
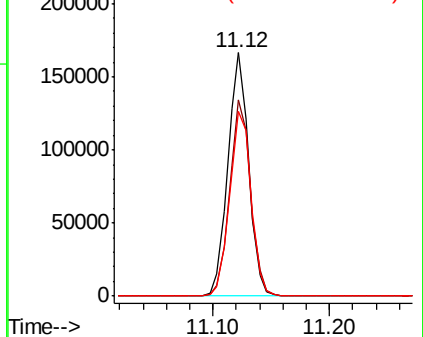
176 78.6 0.0 157.6

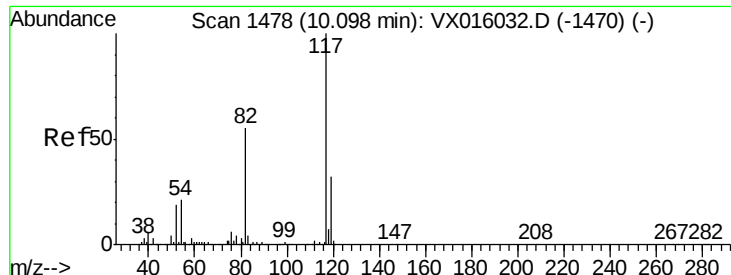


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

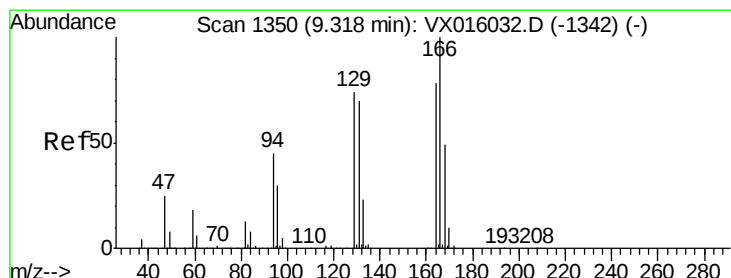
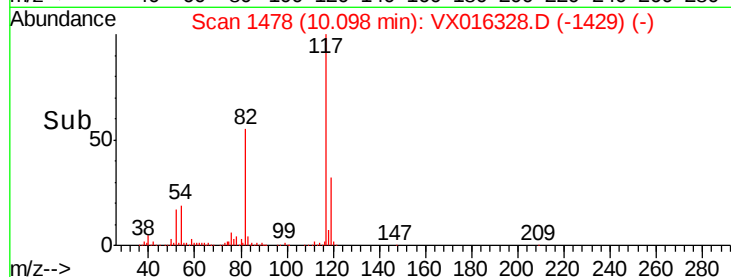
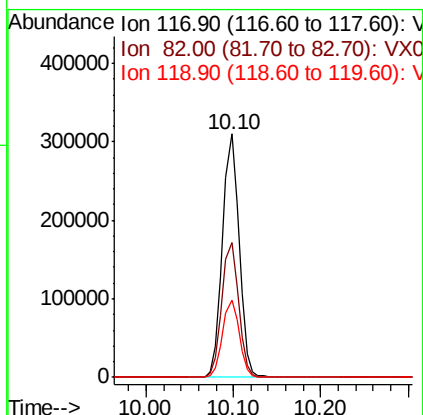
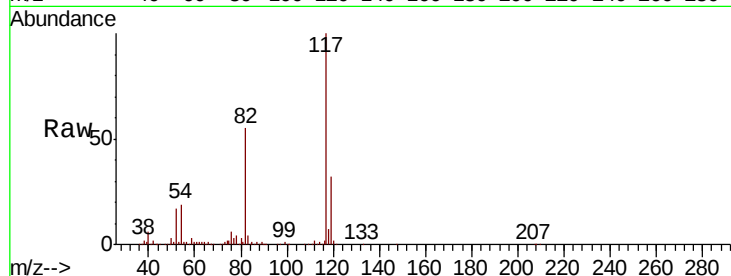




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016328.D
Acq: 19 May 2020 12:49

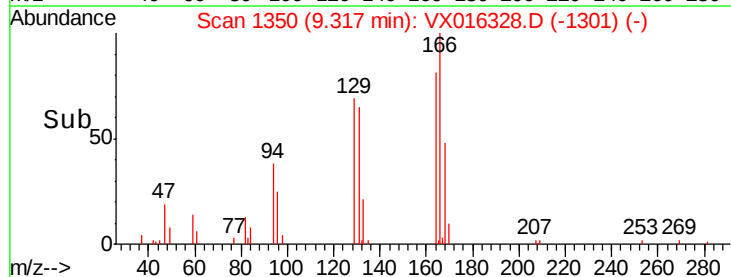
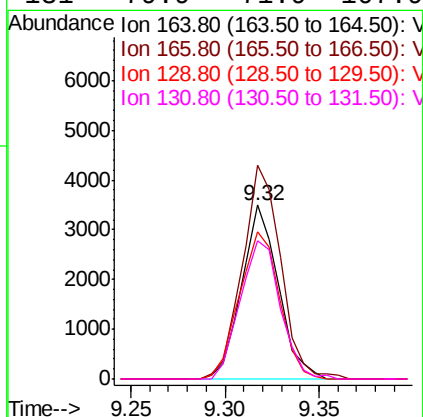
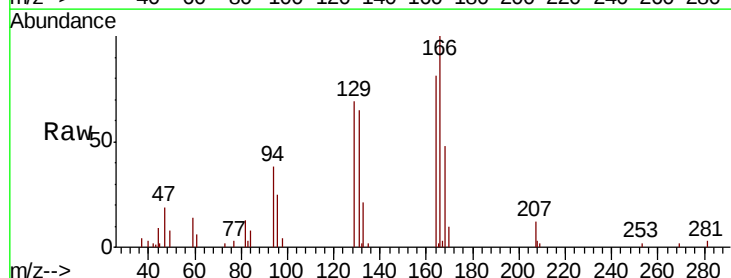
Instrument :
MSVOA_X
ClientSampleId :
WP021MW173-200514DL

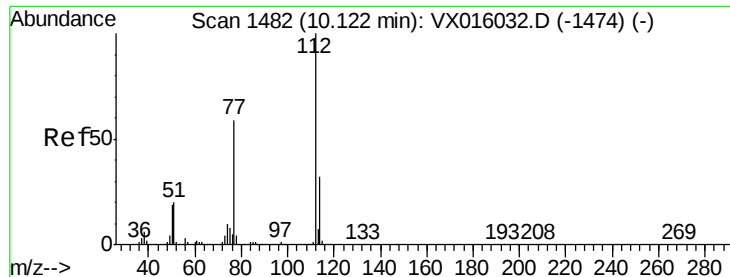
Tot Ion:117 Resp: 407487
Ion Ratio Lower Upper
117 100
82 55.4 44.4 66.6
119 31.7 25.5 38.3



#64
Tetrachloroethene
Concen: 0.945 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016328.D
Acq: 19 May 2020 12:49

Tgt Ion:164 Resp: 4726
Ion Ratio Lower Upper
164 100
166 123.0 102.9 154.3
129 84.5 76.1 114.1
131 79.9 71.9 107.9

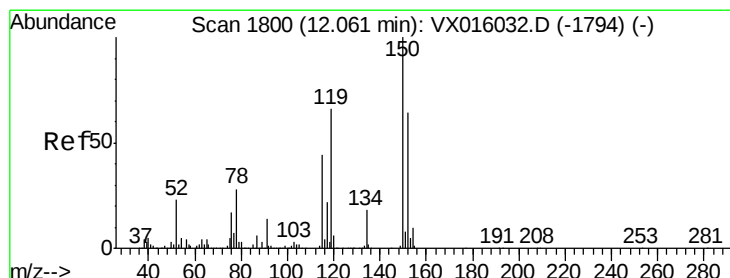
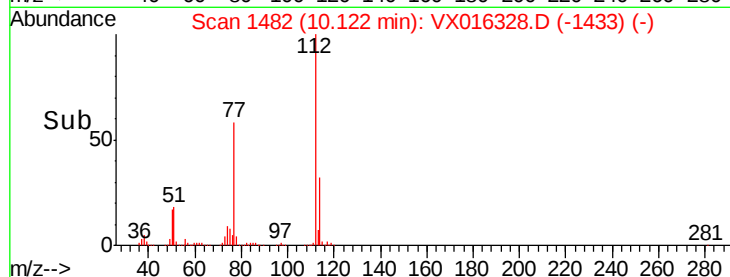
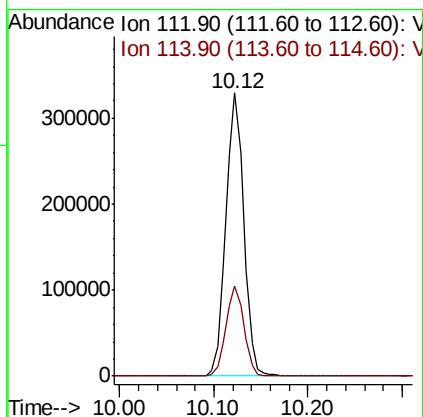
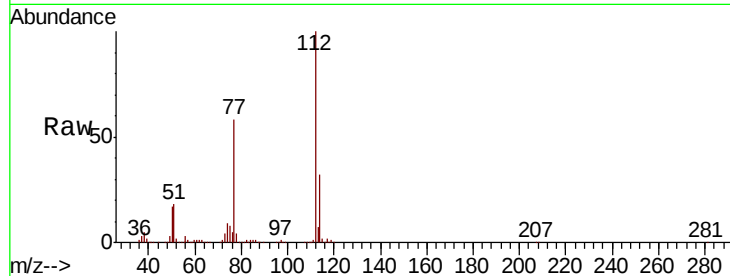




#65
Chlorobenzene
Concen: 51.208 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016328.D
Acq: 19 May 2020 12:49

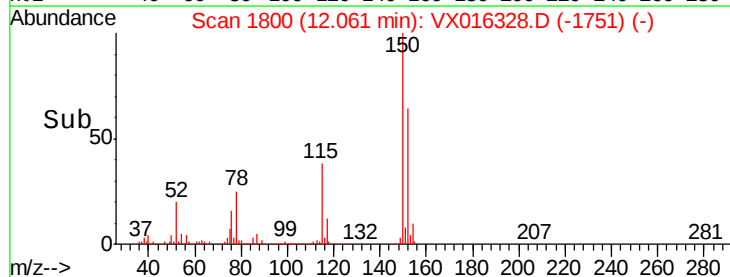
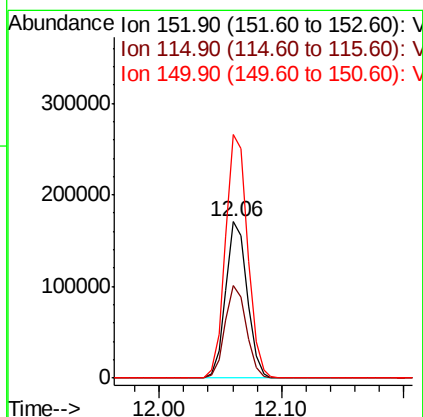
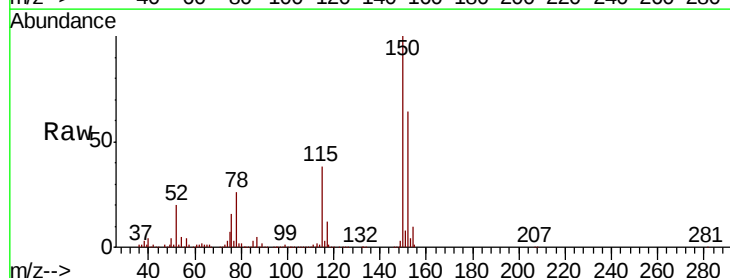
Instrument :
MSVOA_X
ClientSampleId :
WP021MW173-200514DL

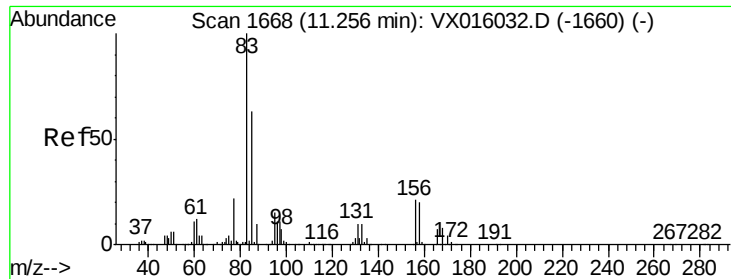
Tot Ion:112 Resp: 436921
Ion Ratio Lower Upper
112 100
114 31.7 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016328.D
Acq: 19 May 2020 12:49

Tgt Ion:152 Resp: 207059
Ion Ratio Lower Upper
152 100
115 59.2 41.3 124.1
150 160.0 0.0 352.2





#75

1,1,2,2-Tetrachloroethane

Concen: 2.085 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.14 min

Lab File: VX016328.D

Acq: 19 May 2020 12:49

Instrument :

MSVOA_X

ClientSampleId :

WP021MW173-200514DL

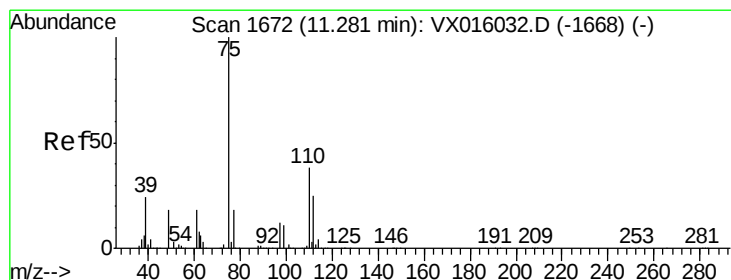
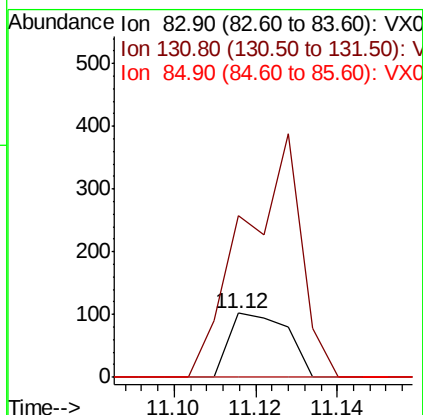
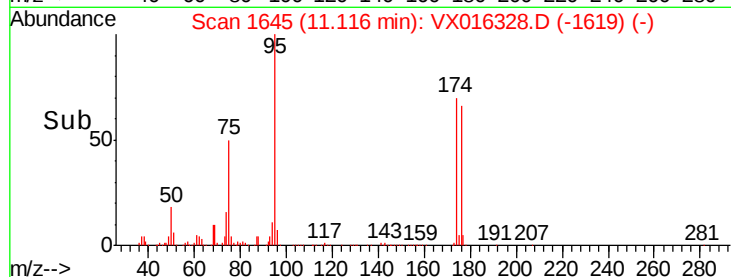
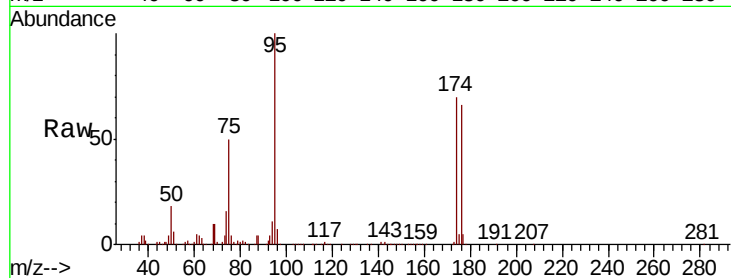
Tot Ion: 83 Resp: 101

Ion Ratio Lower Upper

83 100

131 377.2 5.1 15.4#

85 0.0 32.0 96.0#



#76

1,2,3-Trichloropropane

Concen: 20.819 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016328.D

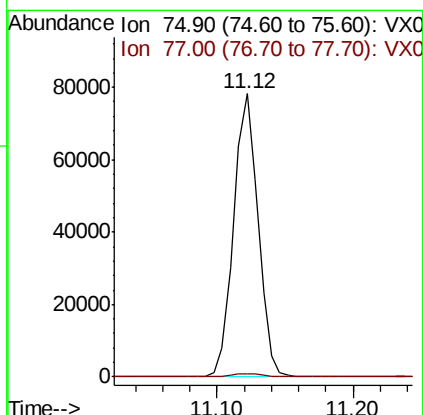
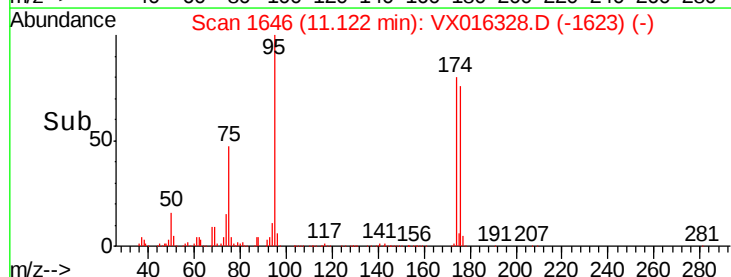
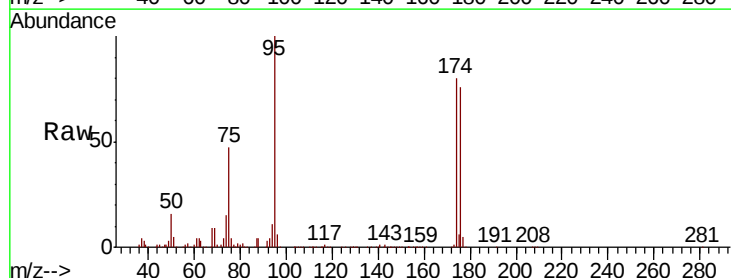
Acq: 19 May 2020 12:49

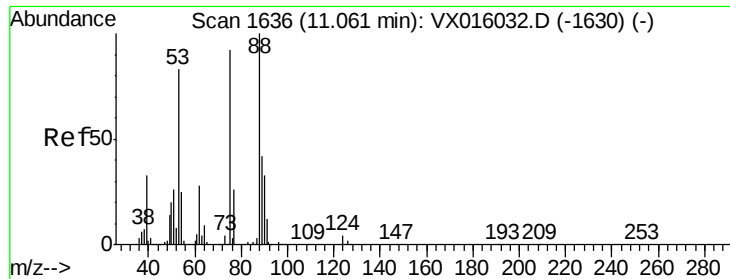
Tgt Ion: 75 Resp: 97820

Ion Ratio Lower Upper

75 100

77 1.4 21.2 63.6#





#81

trans-1,4-Dichloro-2-butene

Concen: 49.613 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016328.D

Acq: 19 May 2020 12:49

Instrument :

MSVOA_X

ClientSampleId :

WP021MW173-200514DL

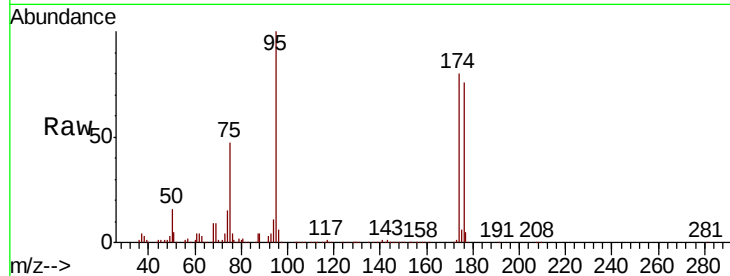
Tot Ion: 75 Resp: 97820

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

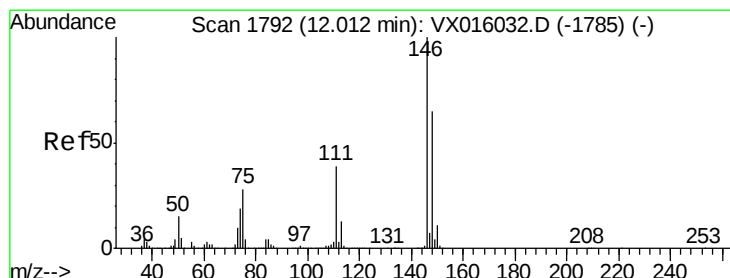
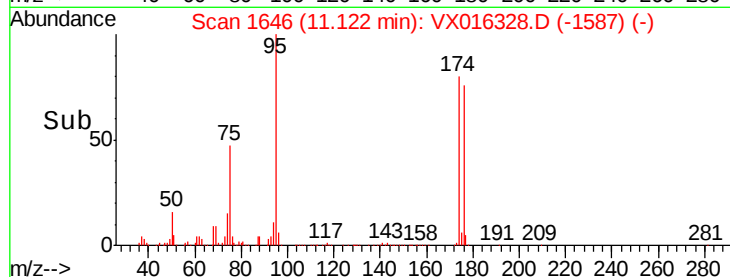
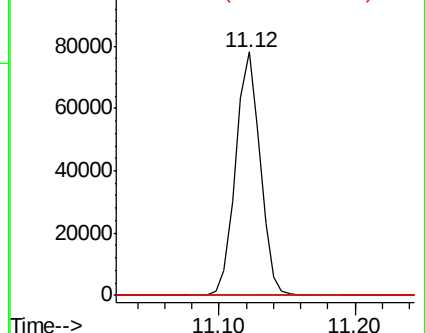
89 0.0 36.7 55.1#



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



#87

1,3-Dichlorobenzene

Concen: 1.704 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX016328.D

Acq: 19 May 2020 12:49

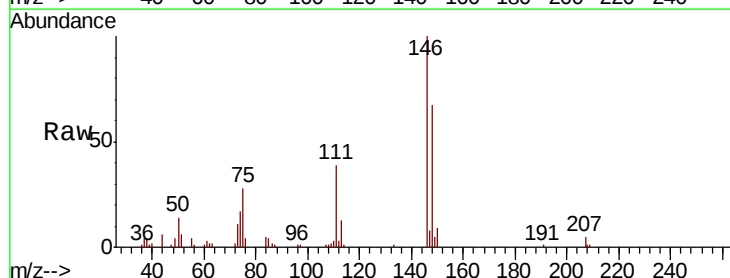
Tgt Ion: 146 Resp: 11891

Ion Ratio Lower Upper

146 100

111 40.9 20.2 60.6

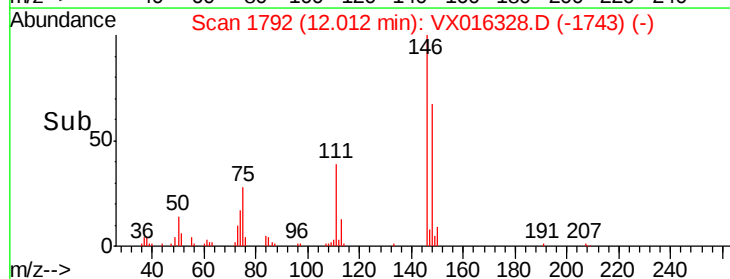
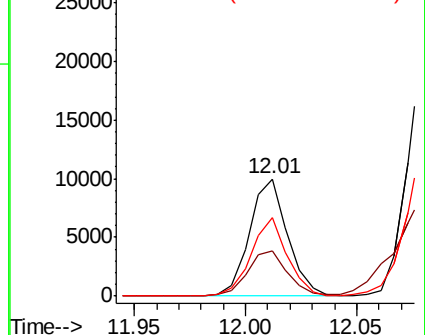
148 64.6 32.1 96.3

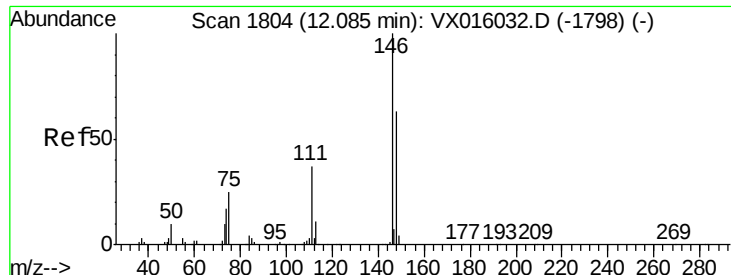


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 3.800 ug/l

RT: 12.09 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VX016328.D

Acq: 19 May 2020 12:49

Instrument :

MSVOA_X

ClientSampleId :

WP021MW173-200514DL

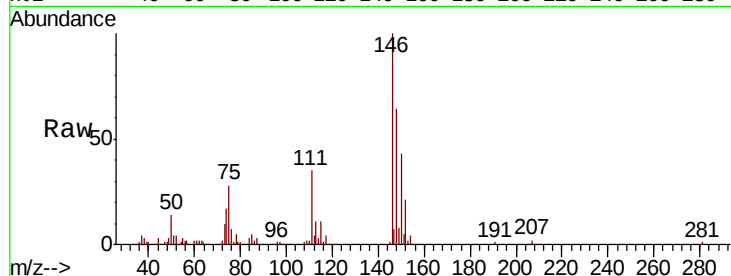
Tot Ion:146 Resp: 26920

Ion Ratio Lower Upper

146 100

111 48.5 19.6 58.7

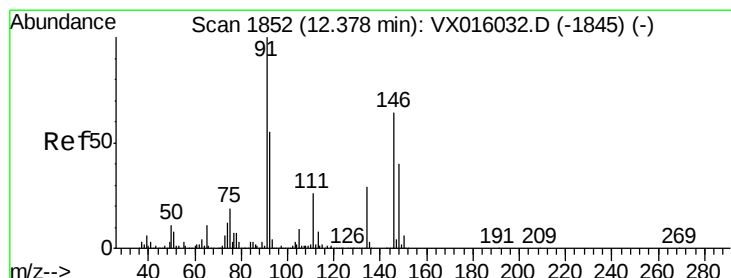
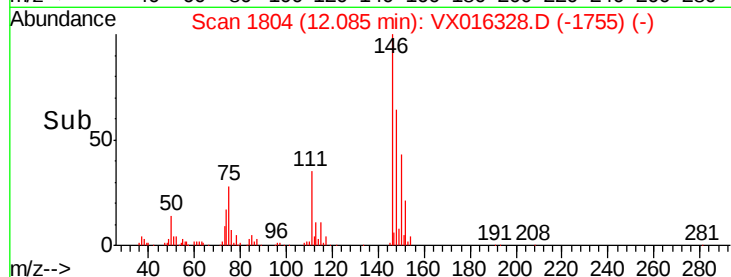
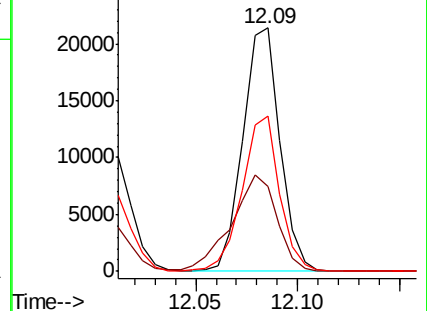
148 64.4 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#91

1,2-Dichlorobenzene

Concen: 16.238 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VX016328.D

Acq: 19 May 2020 12:49

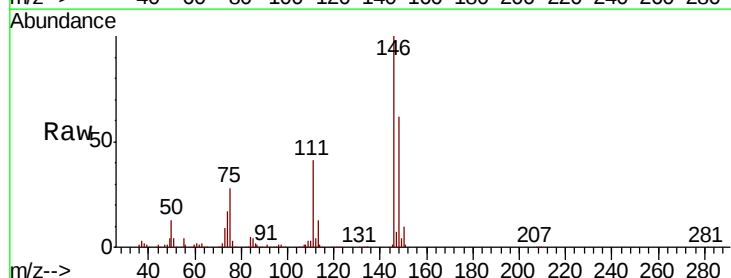
Tgt Ion:146 Resp: 109131

Ion Ratio Lower Upper

146 100

111 42.7 21.1 63.1

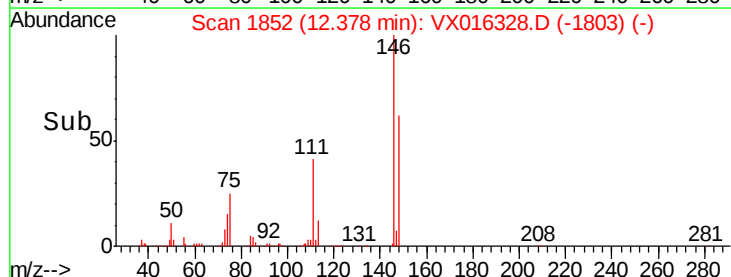
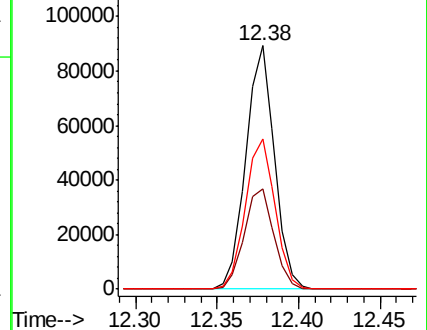
148 63.8 32.4 97.0

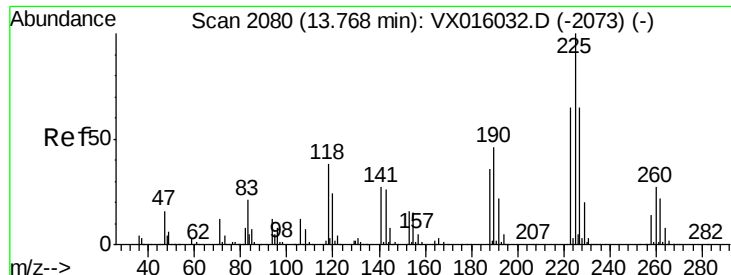


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#94

Hexachlorobutadiene

Concen: 0.614 ug/l

RT: 13.77 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX016328.D

Acq: 19 May 2020 12:49

Instrument :

MSVOA_X

ClientSampleId :

WP021MW173-200514DL

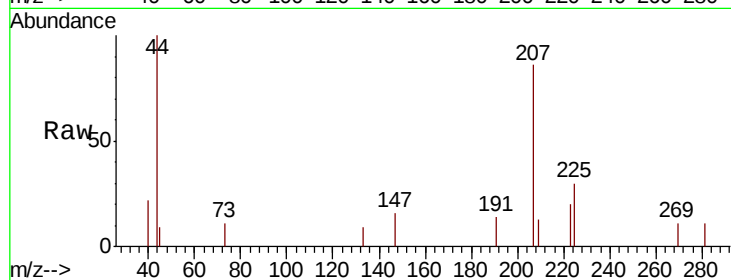
Tot Ion:225 Resp: 197

Ion Ratio Lower Upper

225 100

223 72.1 32.3 96.9

227 35.5 31.8 95.4



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

