

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052920\
 Data File : VX016507.D
 Acq On : 29 May 2020 13:46
 Operator : JC/SP
 Sample : L2778-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022MW004-200526

Quant Time: May 30 01:42:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	295215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	480536	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	481364	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	239129	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	174658	47.64	ug/l	0.00
Spiked Amount			Recovery	=	95.28%	
35) Dibromofluoromethane	5.47	113	138332	46.75	ug/l	0.00
Spiked Amount			Recovery	=	93.50%	
50) Toluene-d8	8.70	98	595370	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
62) 4-Bromofluorobenzene	11.12	95	242836	54.57	ug/l	0.00
Spiked Amount			Recovery	=	109.14%	

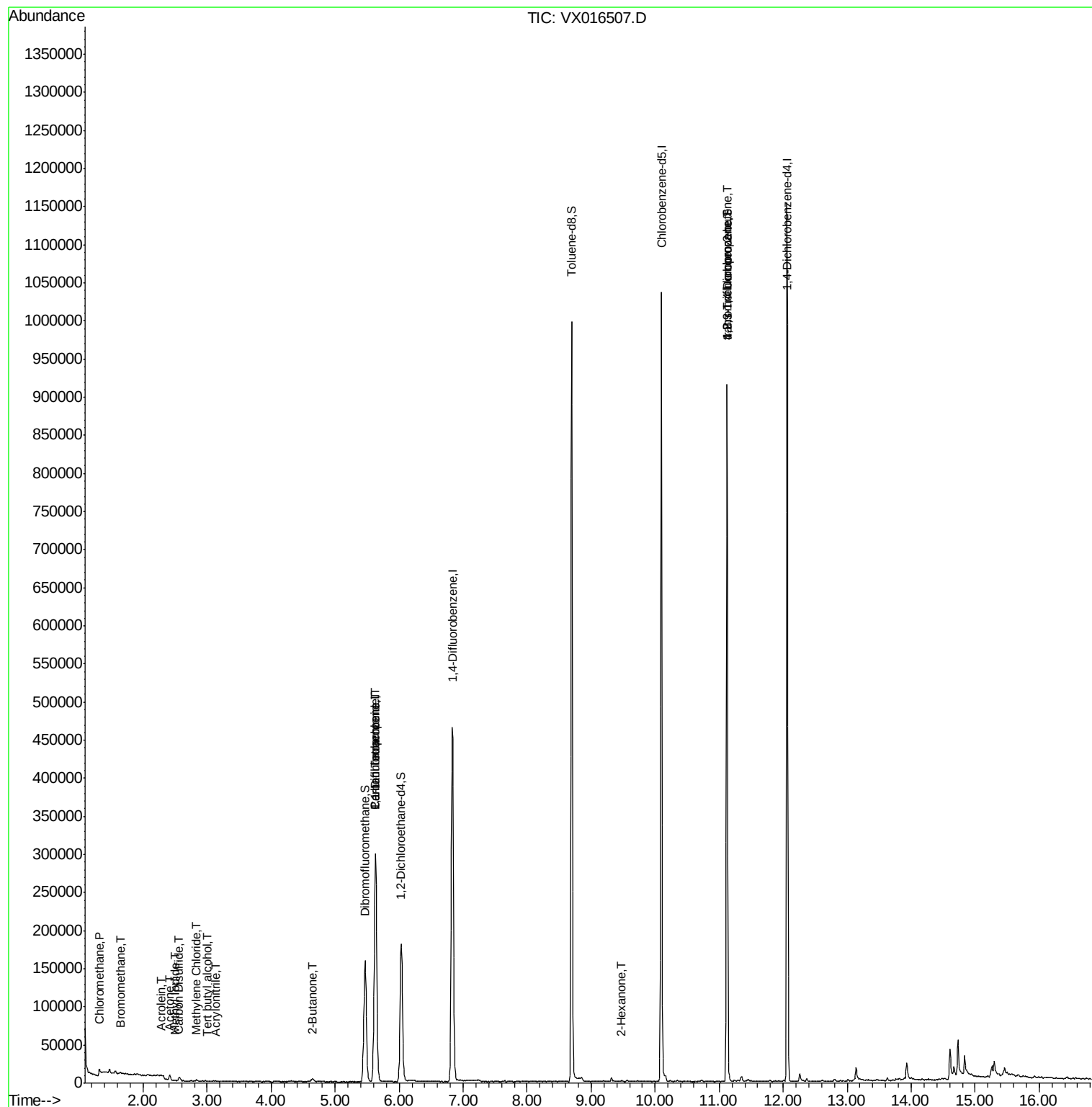
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	4019	1.145	ug/l	91
5) Bromomethane	1.64	94	727	0.403	ug/l #	64
10) Methyl Iodide	2.50	142	394	3.171	ug/l #	89
11) Tert butyl alcohol	3.01	59	350	0.372	ug/l #	42
13) Acrolein	2.28	56	361	0.903	ug/l #	13
15) Acrylonitrile	3.12	53	395	0.205	ug/l #	82
16) Acetone	2.42	43	7173	4.466	ug/l	90
17) Carbon Disulfide	2.55	76	2150	0.255	ug/l #	53
20) Methylene Chloride	2.84	84	693	0.209	ug/l #	79
25) 2-Butanone	4.64	43	1989	0.731	ug/l #	87
36) 1,1-Dichloropropene	5.63	75	21219	4.664	ug/l #	51
38) Carbon Tetrachloride	5.63	117	28481	5.957	ug/l #	16
59) 2-Hexanone	9.48	43	1000	0.242	ug/l	81
76) 1,2,3-Trichloropropane	11.12	75	119473	22.730	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	119473	55.912	ug/l #	14

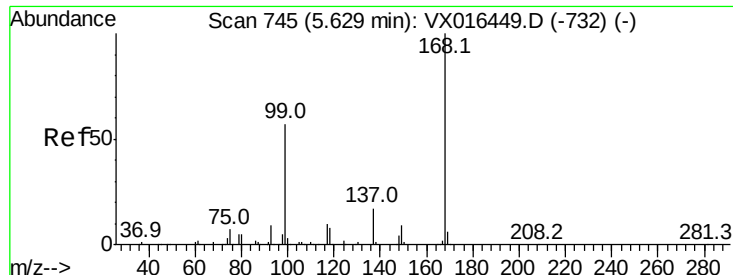
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016507.D

Acq: 29 May 2020 13:46

Instrument :

MSVOA_X

ClientSampleId :

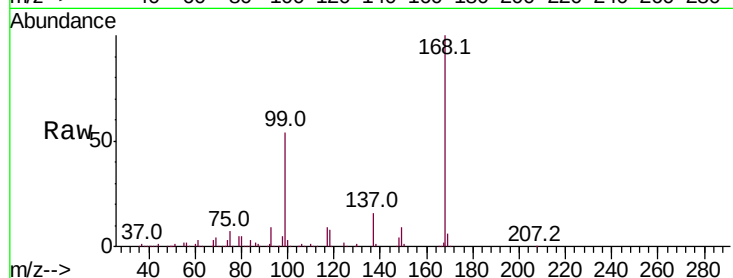
WP022MW004-200526

Tot Ion:168 Resp: 295215

Ion Ratio Lower Upper

168 100

99 54.3 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

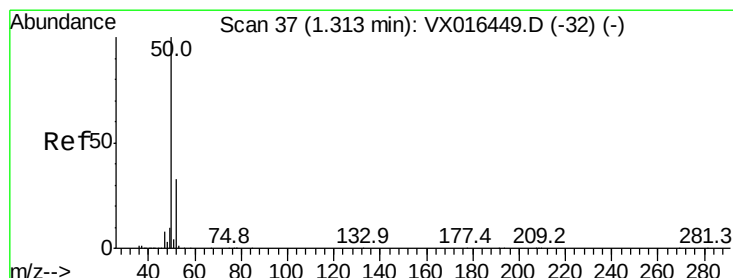
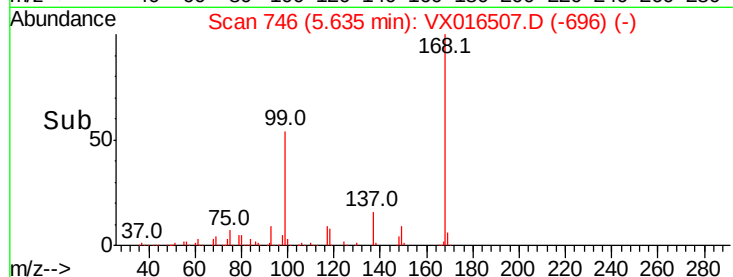
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 1.145 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX016507.D

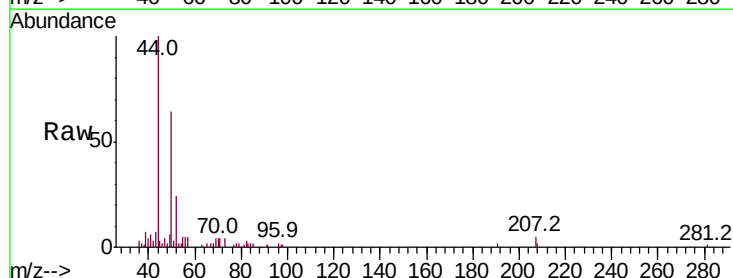
Acq: 29 May 2020 13:46

Tgt Ion: 50 Resp: 4019

Ion Ratio Lower Upper

50 100

52 37.7 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

4000

3000

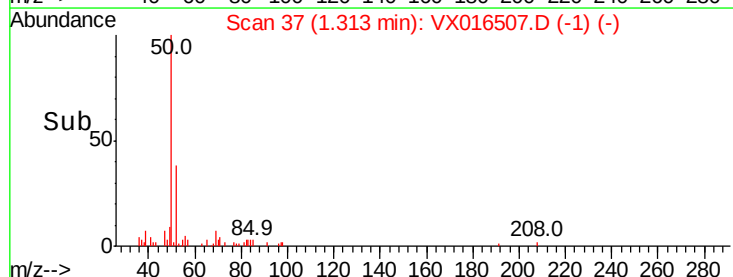
2000

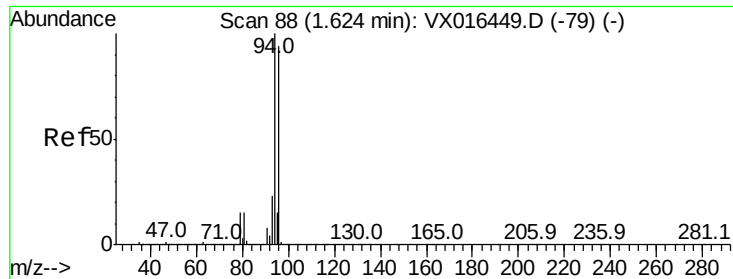
1000

0

1.25 1.30 1.35 1.40

Time-->





#5

Bromomethane

Concen: 0.403 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016507.D

Acq: 29 May 2020 13:46

Instrument :

MSVOA_X

ClientSampleId :

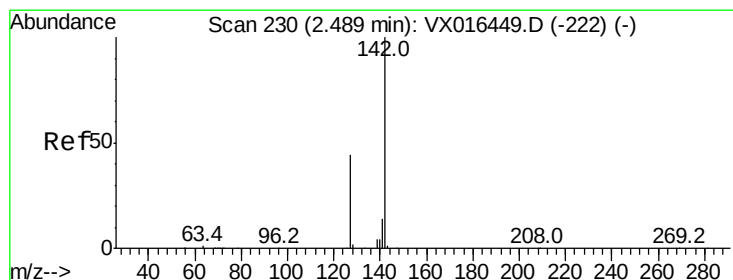
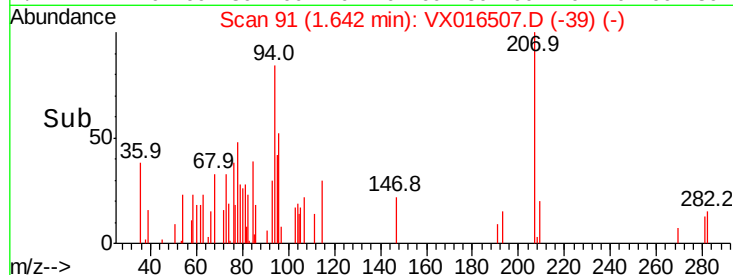
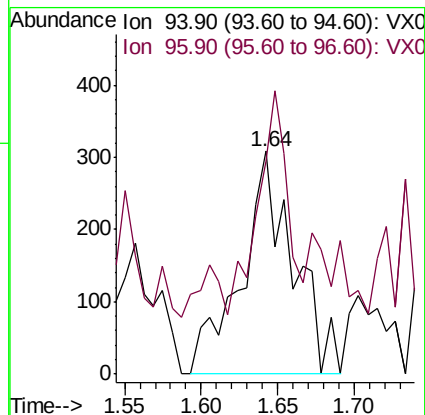
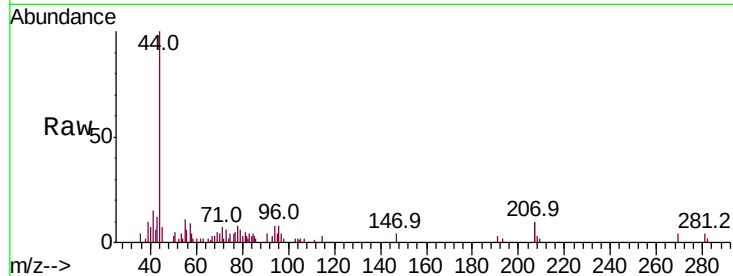
WP022MW004-200526

Tot Ion: 94 Resp: 727

Ion Ratio Lower Upper

94 100

96 59.4 75.1 112.7#



#10

Methyl Iodide

Concen: 3.171 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX016507.D

Acq: 29 May 2020 13:46

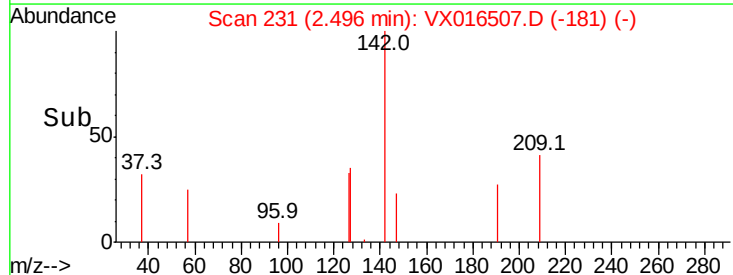
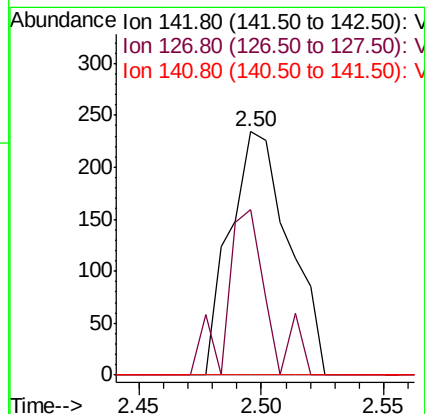
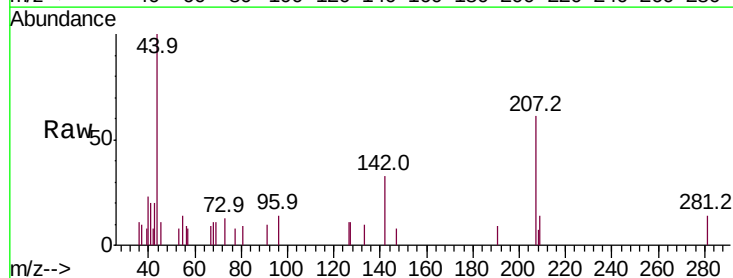
Tgt Ion: 142 Resp: 394

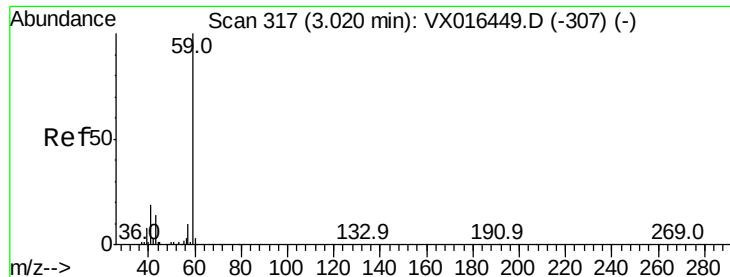
Ion Ratio Lower Upper

142 100

127 46.2 35.3 52.9

141 0.0 11.4 17.2#



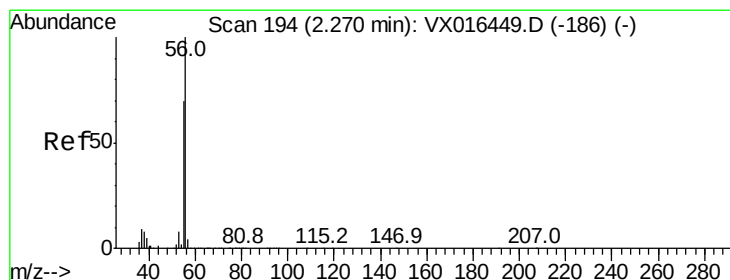
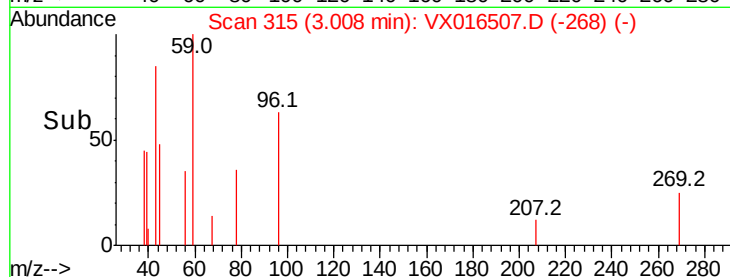
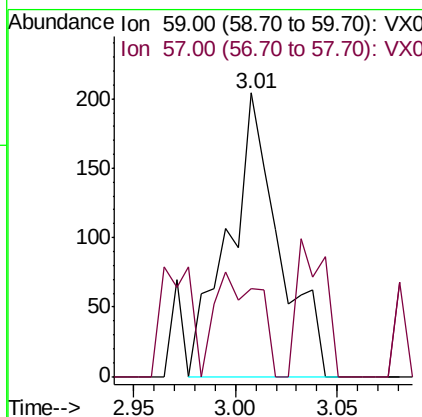
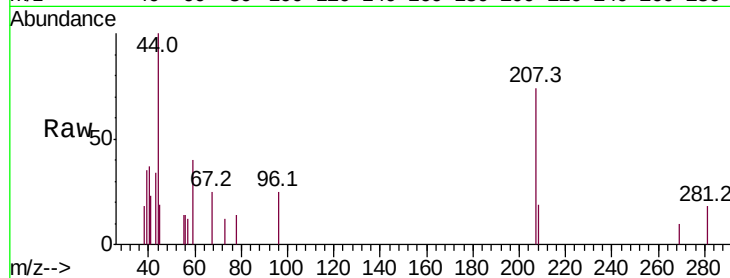


#11

Tert butyl alcohol
Concen: 0.372 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX016507.D
Acq: 29 May 2020 13:46

Instrument :
MSVOA_X
ClientSampleId :
WP022MW004-200526

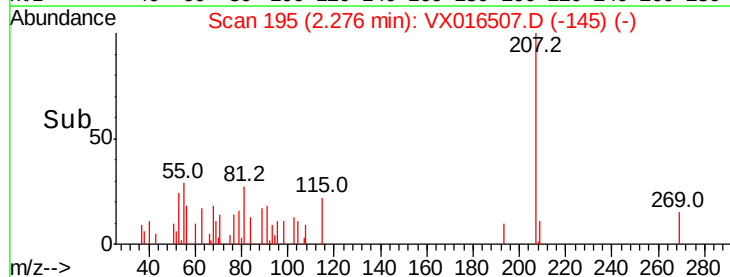
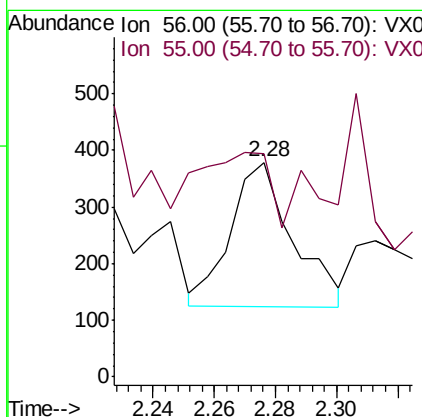
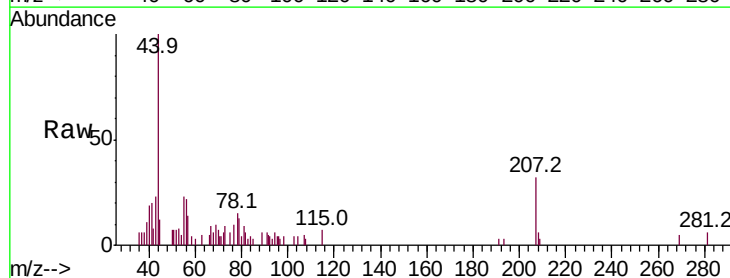
Tot Ion: 59 Resp: 350
Ion Ratio Lower Upper
59 100
57 32.0 8.2 12.4#

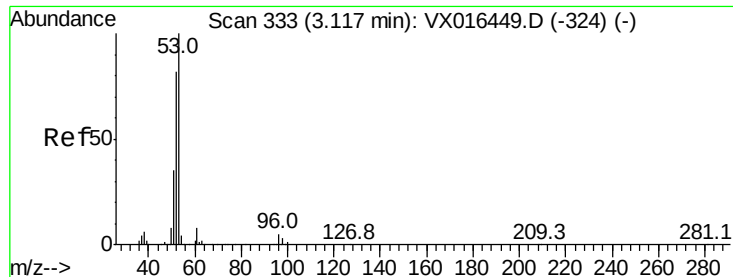


#13

Acrolein
Concen: 0.903 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX016507.D
Acq: 29 May 2020 13:46

Tgt Ion: 56 Resp: 361
Ion Ratio Lower Upper
56 100
55 0.0 58.3 87.5#





#15

Acrylonitrile

Concen: 0.205 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX016507.D

Acq: 29 May 2020 13:46

Instrument :

MSVOA_X

ClientSampleId :

WP022MW004-200526

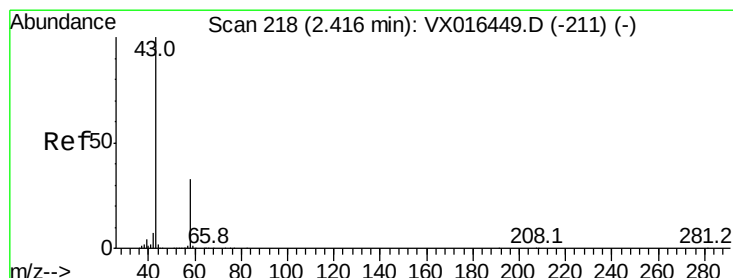
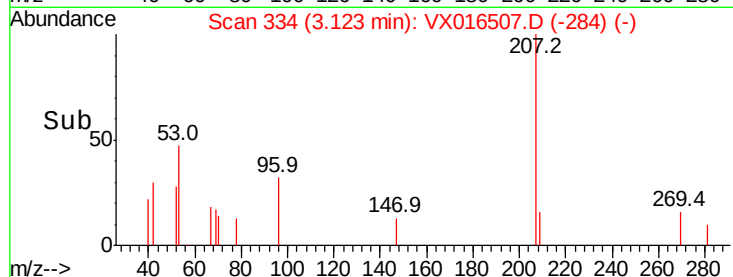
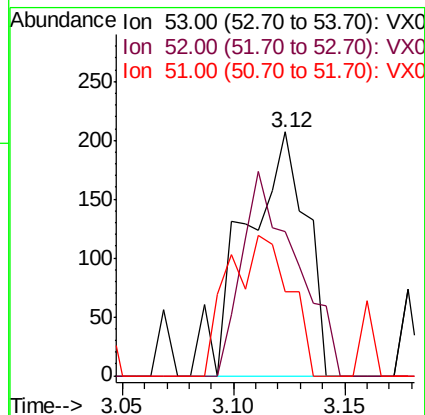
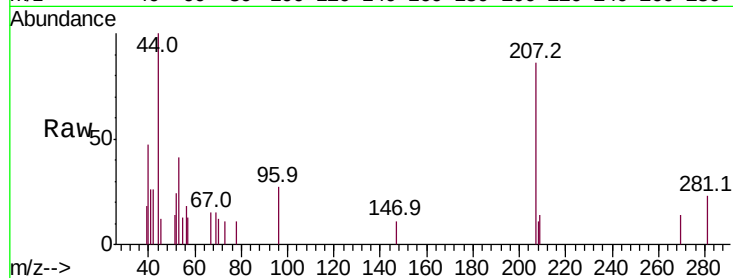
Tot Ion: 53 Resp: 395

Ion Ratio Lower Upper

53 100

52 74.4 66.7 100.1

51 57.2 28.6 43.0#



#16

Acetone

Concen: 4.466 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016507.D

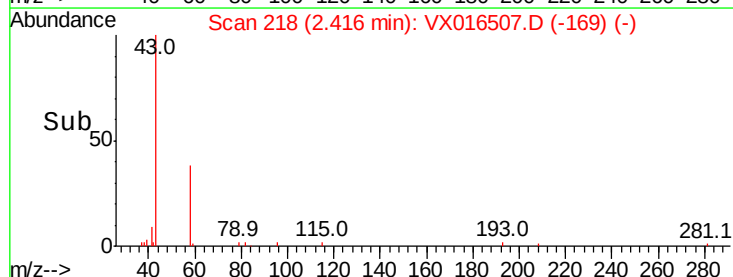
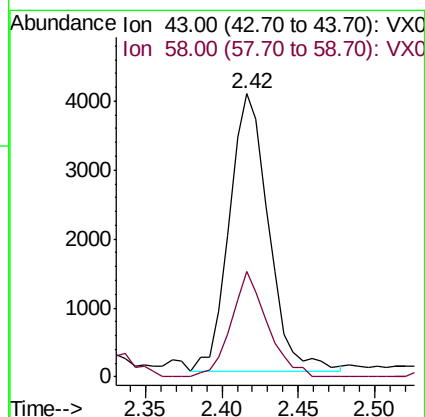
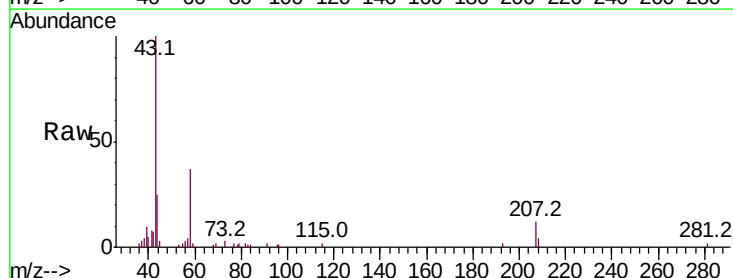
Acq: 29 May 2020 13:46

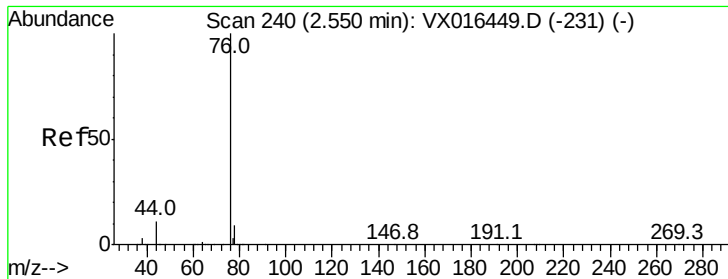
Tgt Ion: 43 Resp: 7173

Ion Ratio Lower Upper

43 100

58 38.2 26.1 39.1

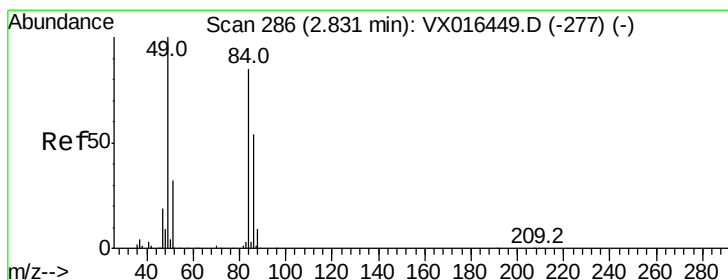
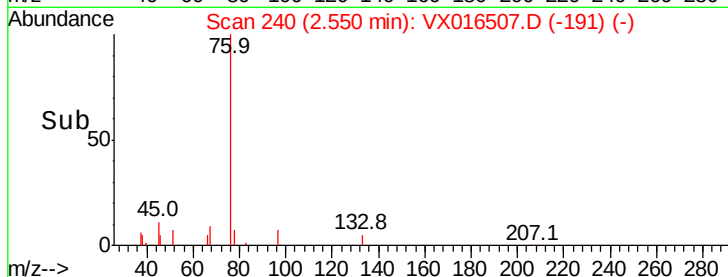
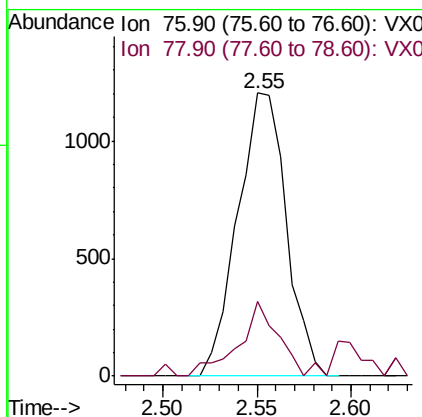
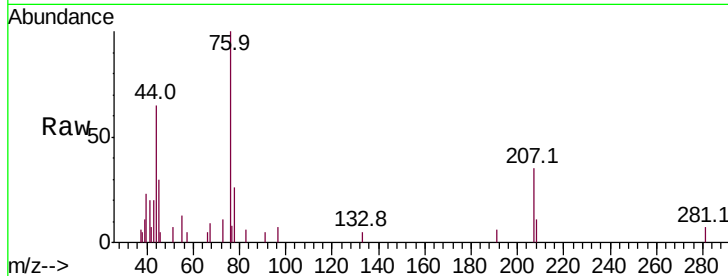




#17
Carbon Disulfide
Concen: 0.255 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX016507.D
Acq: 29 May 2020 13:46

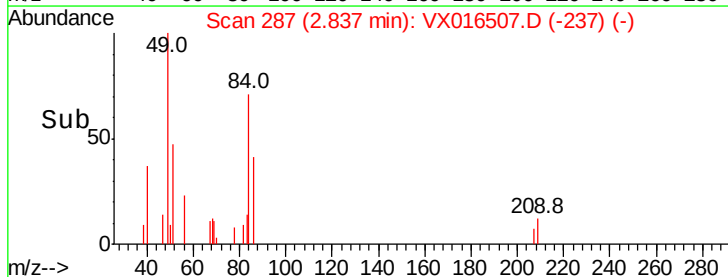
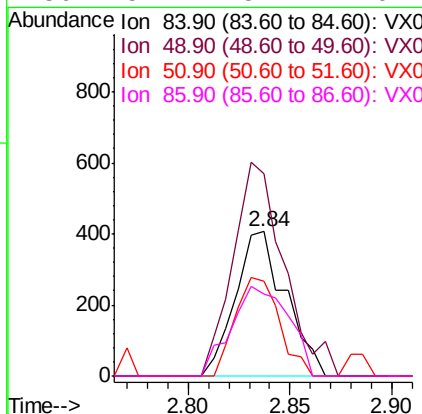
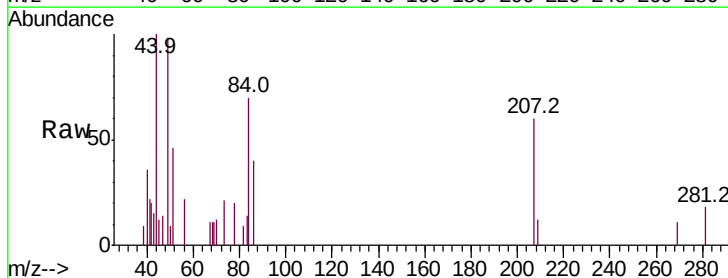
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ClientSampleId :
WP022MW004-200526

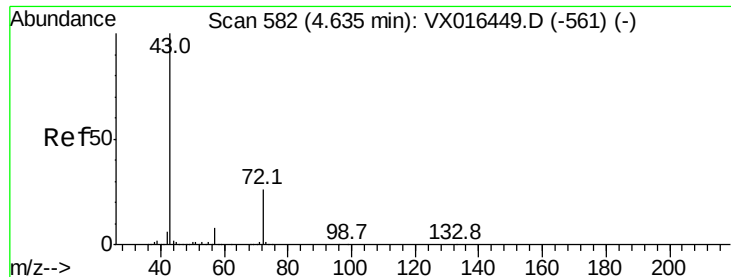
Tot Ion: 76 Resp: 2150
Ion Ratio Lower Upper
76 100
78 26.4 7.4 11.0#



#20
Methylene Chloride
Concen: 0.209 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX016507.D
Acq: 29 May 2020 13:46

Tgt Ion: 84 Resp: 693
Ion Ratio Lower Upper
84 100
49 140.1 94.5 141.7
51 65.5 30.2 45.4#
86 57.1 51.1 76.7





#25

2-Butanone

Concen: 0.731 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX016507.D

Acq: 29 May 2020 13:46

Instrument :

MSVOA_X

ClientSampleId :

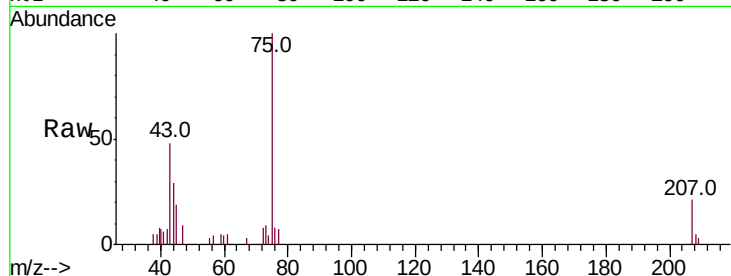
WP022MW004-200526

Tot Ion: 43 Resp: 1989

Ion Ratio Lower Upper

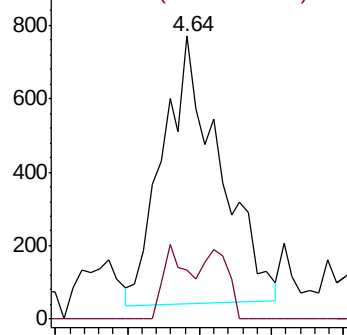
43 100

72 19.4 21.0 31.6#

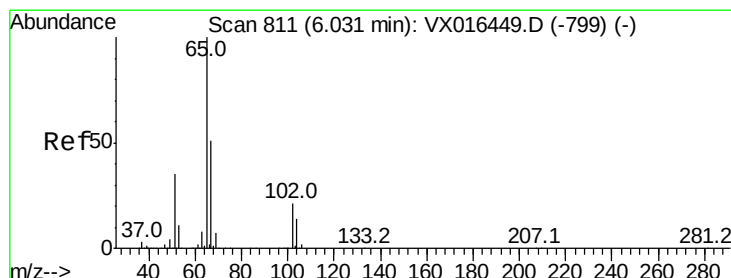
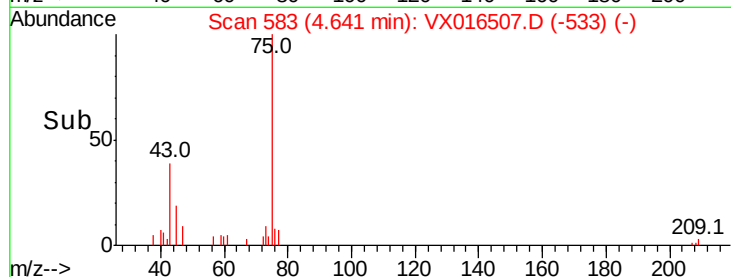


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#33

1,2-Dichloroethane-d4

Concen: 47.640 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX016507.D

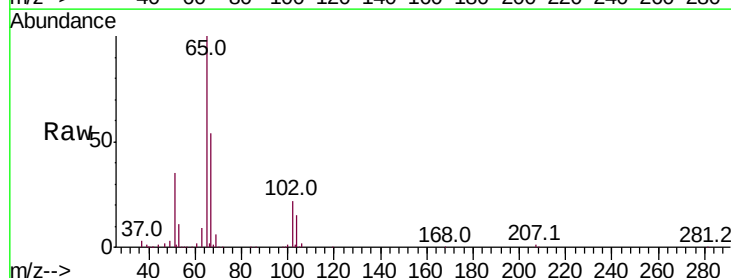
Acq: 29 May 2020 13:46

Tgt Ion: 65 Resp: 174658

Ion Ratio Lower Upper

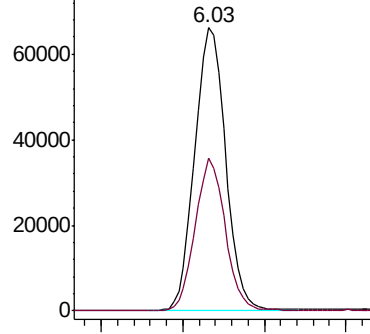
65 100

67 52.3 0.0 104.8

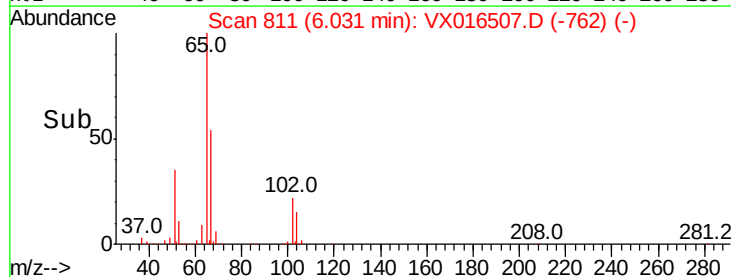


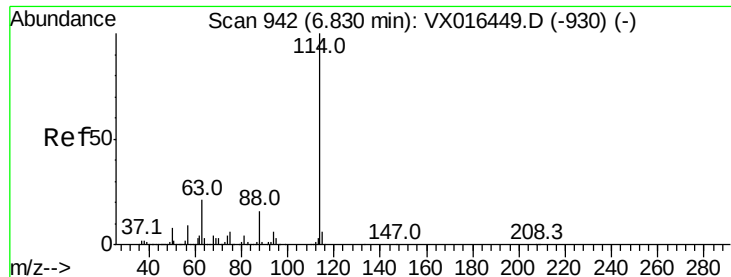
Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX016507.D

Acq: 29 May 2020 13:46

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WP022MW004-200526

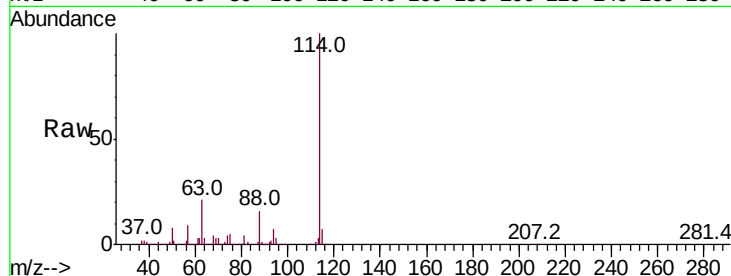
Tot Ion:114 Resp: 480536

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.6

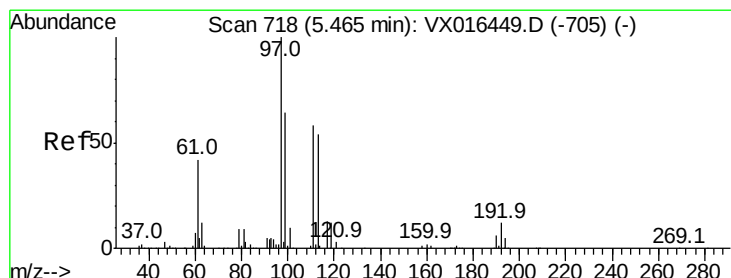
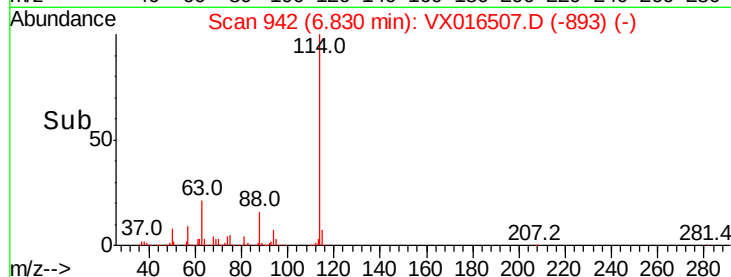
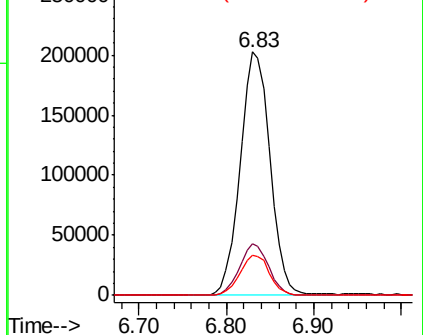
88 16.5 0.0 32.8



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: 46.752 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016507.D

Acq: 29 May 2020 13:46

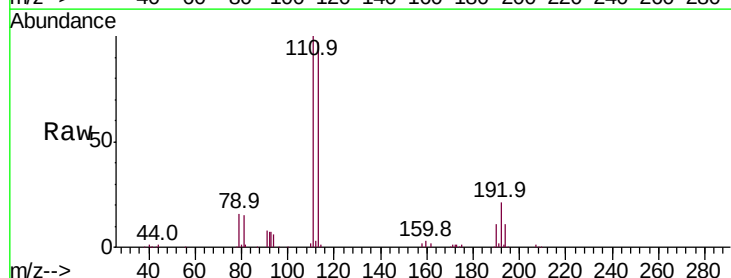
Tgt Ion:113 Resp: 138332

Ion Ratio Lower Upper

113 100

111 103.3 83.0 124.6

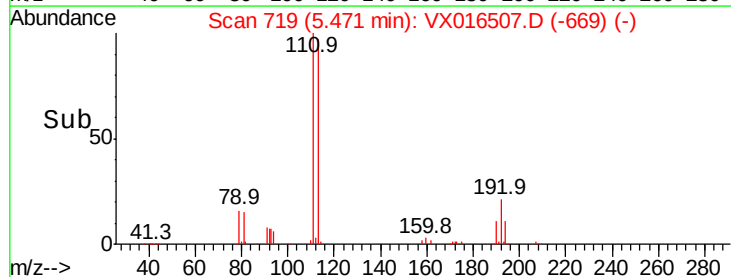
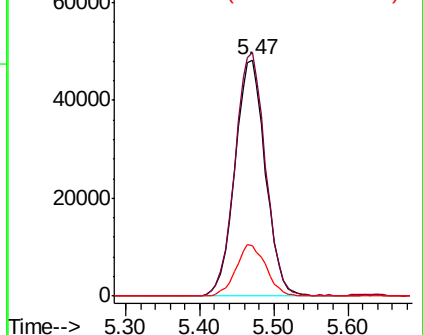
192 21.7 17.7 26.5

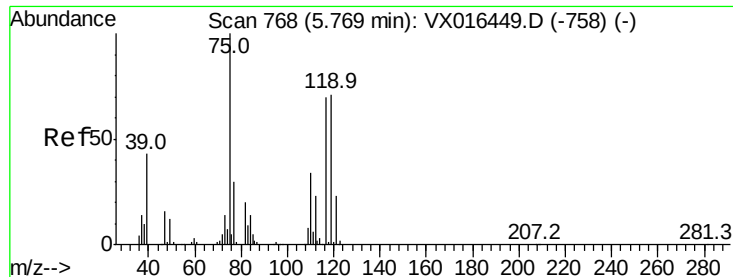


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

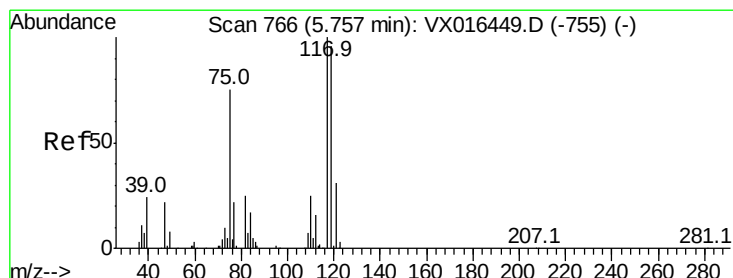
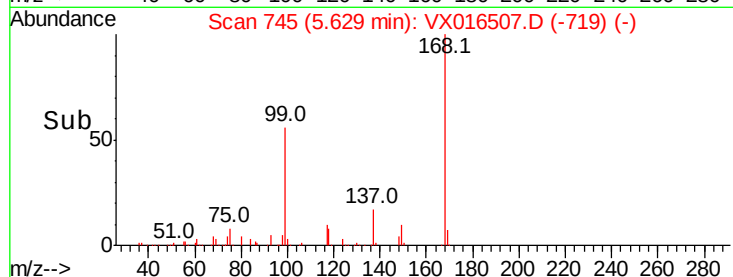
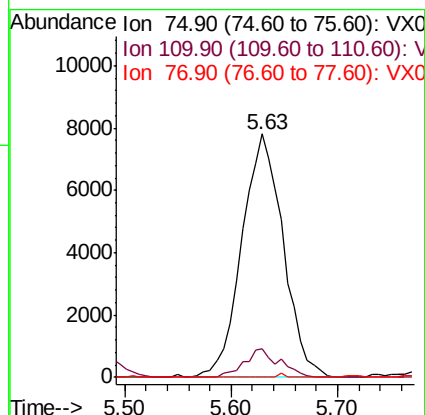
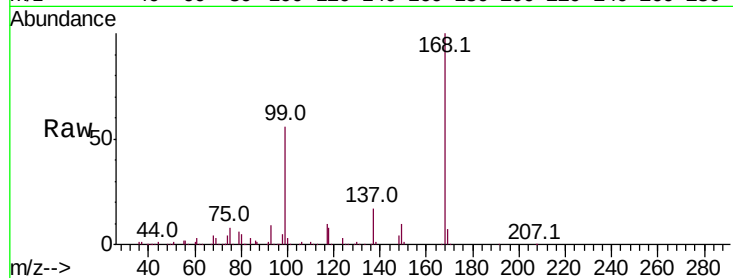




#36
 1,1-Dichloropropene
 Concen: 4.664 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016507.D
 Acq: 29 May 2020 13:46

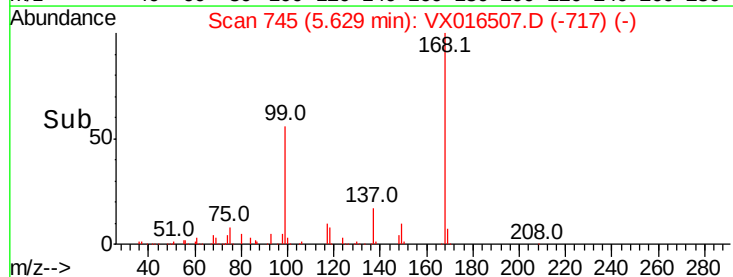
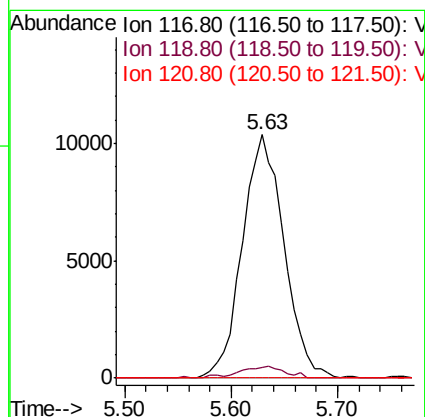
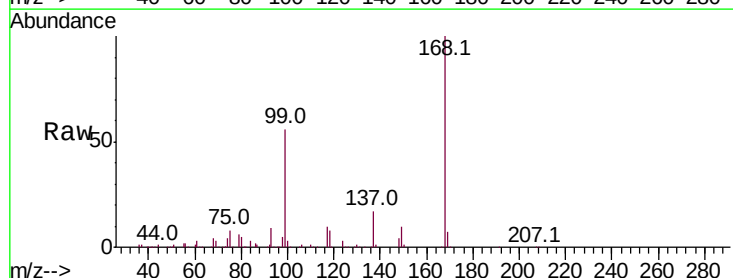
Instrument :
 MSVOA_X
 ClientSampleId :
 WP022MW004-200526

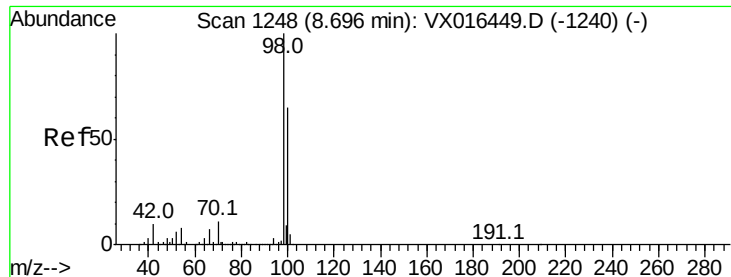
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.0	17.4	52.3#
77	0.2	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 5.957 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX016507.D
 Acq: 29 May 2020 13:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	76.3	114.5#
121	0.0	24.6	37.0#





#50

Toluene-d8

Concen: 51.697 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016507.D

Acq: 29 May 2020 13:46

Instrument :

MSVOA_X

ClientSampleId :

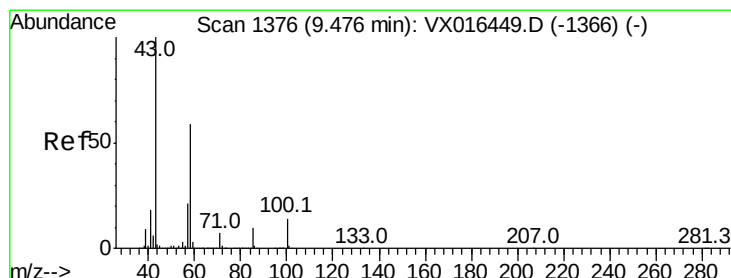
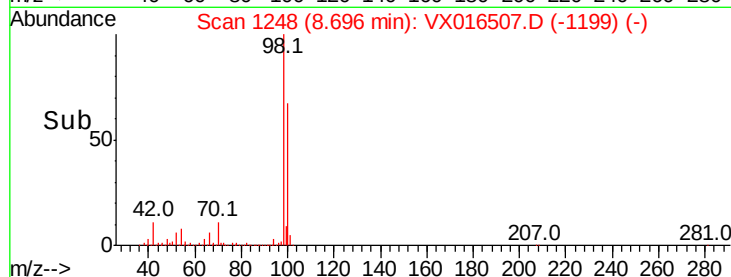
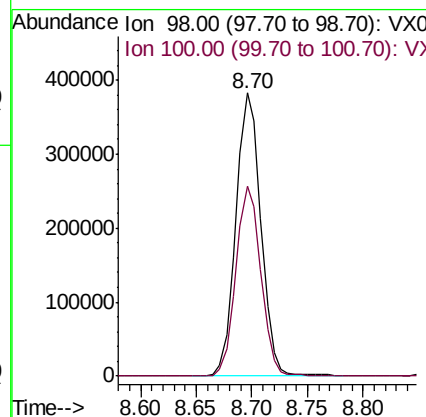
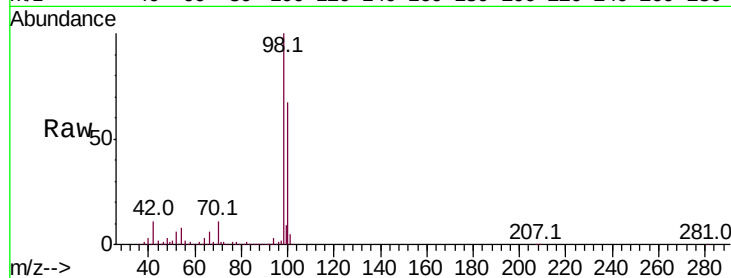
WP022MW004-200526

Tot Ion: 98 Resp: 595370

Ion Ratio Lower Upper

98 100

100 67.1 53.8 80.6



#59

2-Hexanone

Concen: 0.242 ug/l

RT: 9.48 min Scan# 1376

Delta R.T. 0.00 min

Lab File: VX016507.D

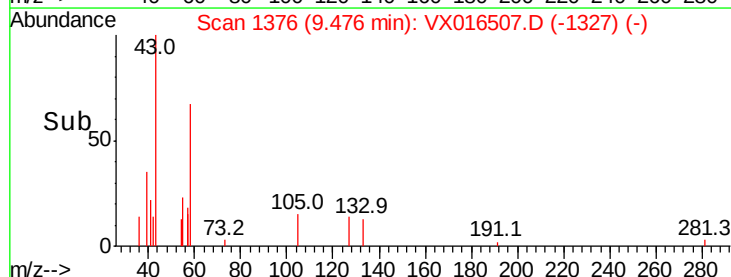
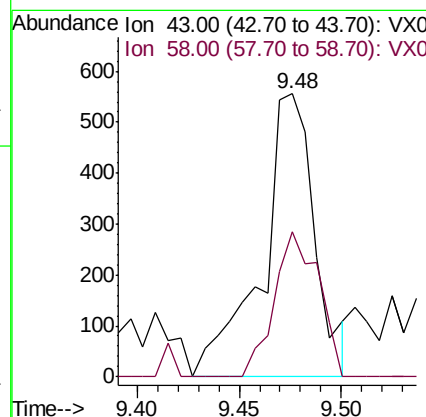
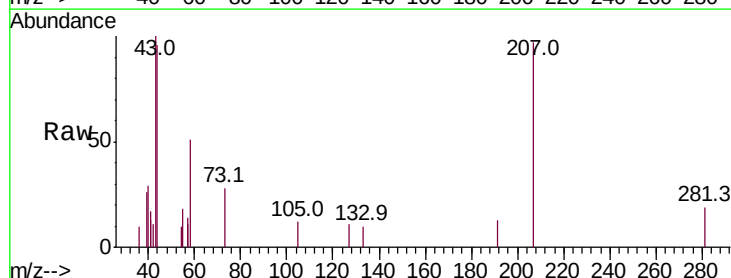
Acq: 29 May 2020 13:46

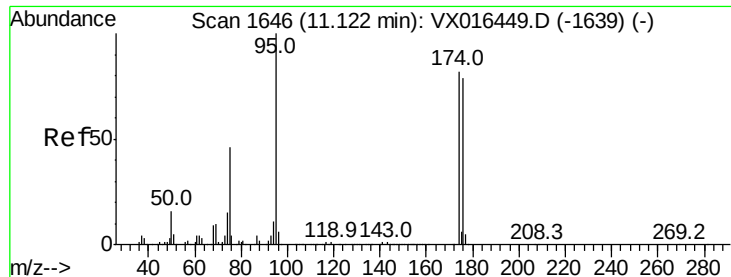
Tgt Ion: 43 Resp: 1000

Ion Ratio Lower Upper

43 100

58 43.2 28.8 86.4





#62

4-Bromofluorobenzene

Concen: 54.570 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016507.D

Acq: 29 May 2020 13:46

Instrument :

MSVOA_X

ClientSampleId :

WP022MW004-200526

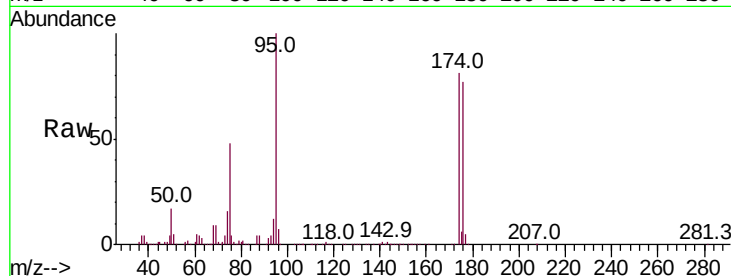
Tot Ion: 95 Resp: 242836

Ion Ratio Lower Upper

95 100

174 82.6 0.0 163.0

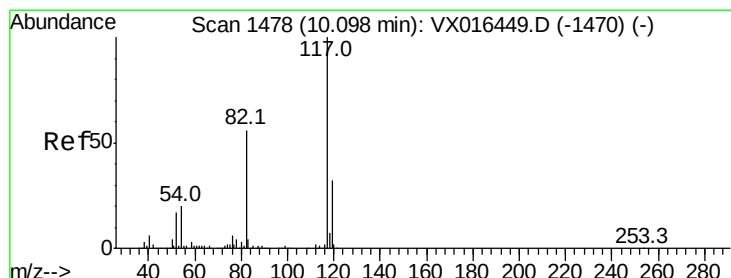
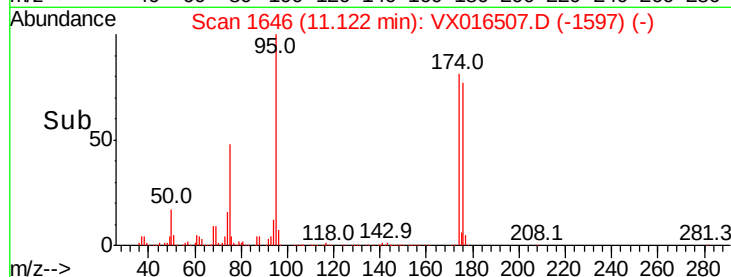
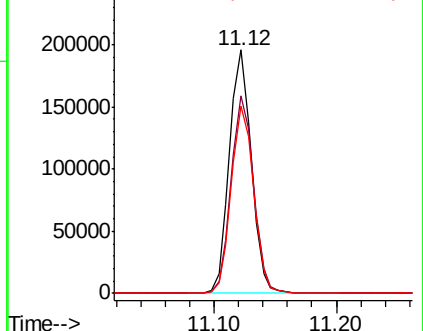
176 78.3 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016507.D

Acq: 29 May 2020 13:46

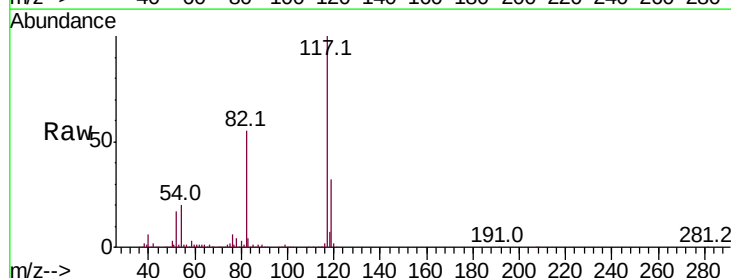
Tgt Ion: 117 Resp: 481364

Ion Ratio Lower Upper

117 100

82 54.9 45.0 67.6

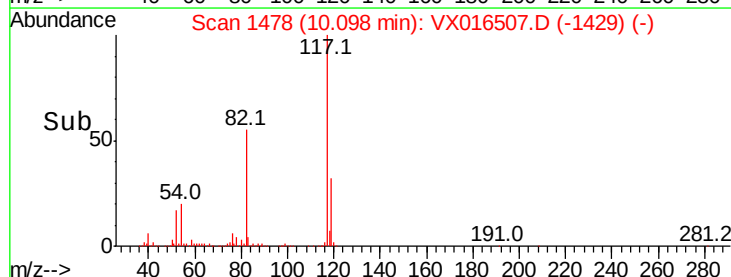
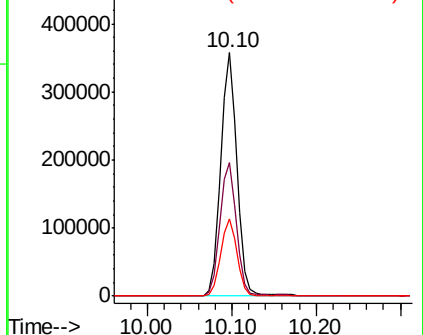
119 32.0 25.8 38.8

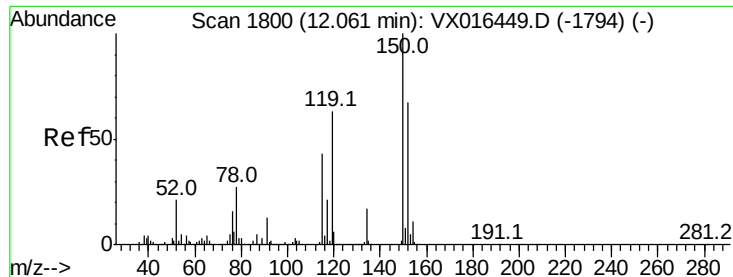


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX016507.D

Acq: 29 May 2020 13:46

Instrument :

MSVOA_X

ClientSampleId :

WP022MW004-200526

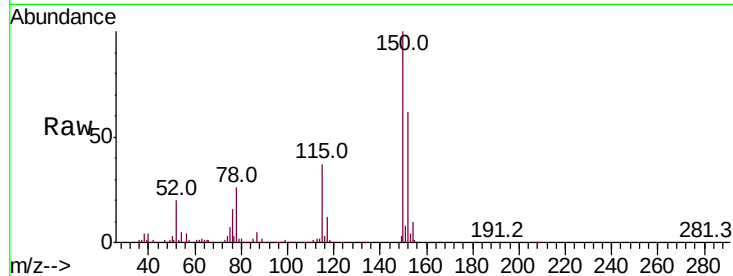
Tot Ion:152 Resp: 239129

Ion Ratio Lower Upper

152 100

115 58.1 39.9 119.6

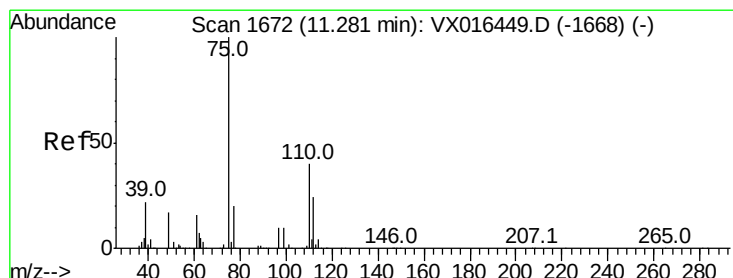
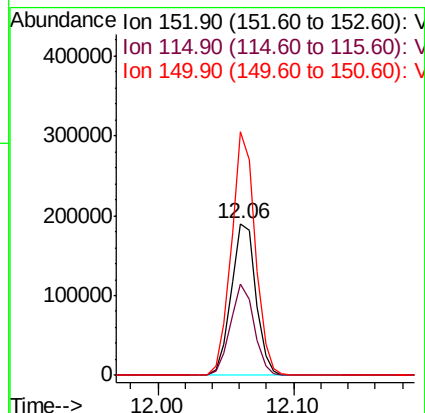
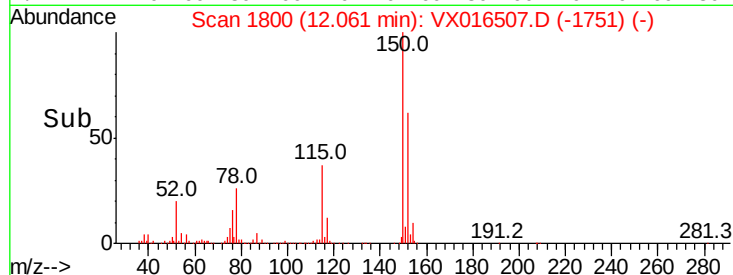
150 155.1 0.0 341.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.730 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016507.D

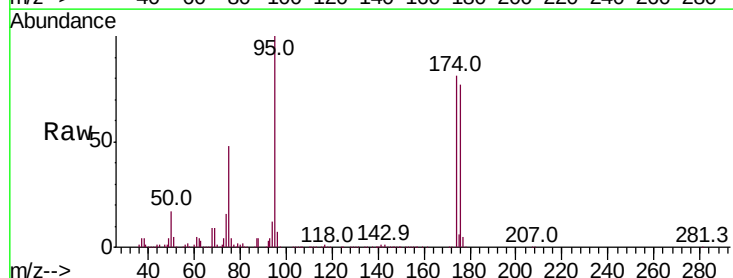
Acq: 29 May 2020 13:46

Tgt Ion: 75 Resp: 119473

Ion Ratio Lower Upper

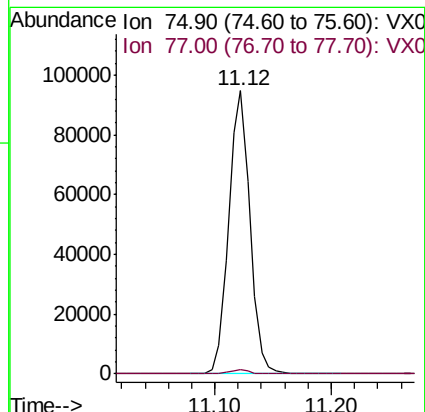
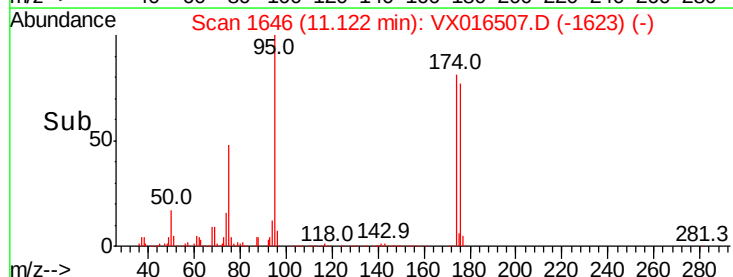
75 100

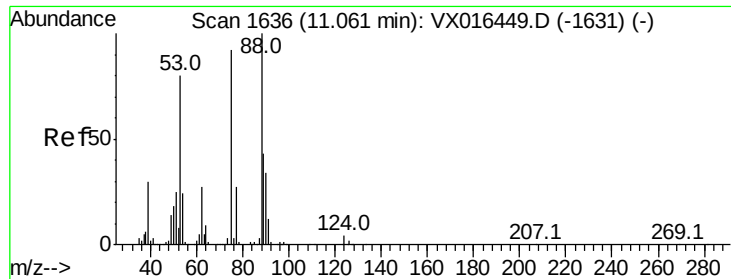
77 1.4 21.3 63.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 55.912 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016507.D

Acq: 29 May 2020 13:46

Instrument :

MSVOA_X

ClientSampleId :

WP022MW004-200526

Tot Ion: 75 Resp: 119473

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.0 36.6 55.0#

