

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051820\
 Data File : VX016308.D
 Acq On : 18 May 2020 19:12
 Operator : JC/SP
 Sample : L2672-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW348-200514

Quant Time: May 19 02:30:00 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	265041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	434160	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	418099	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	218091	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	151798	43.52	ug/l	0.00
Spiked Amount						
			Recovery	=	87.04%	
35) Dibromofluoromethane	5.46	113	124756	45.36	ug/l	0.00
Spiked Amount						
			Recovery	=	90.72%	
50) Toluene-d8	8.70	98	529181	49.93	ug/l	0.00
Spiked Amount						
			Recovery	=	99.86%	
62) 4-Bromofluorobenzene	11.12	95	210943	52.33	ug/l	0.00
Spiked Amount						
			Recovery	=	104.66%	

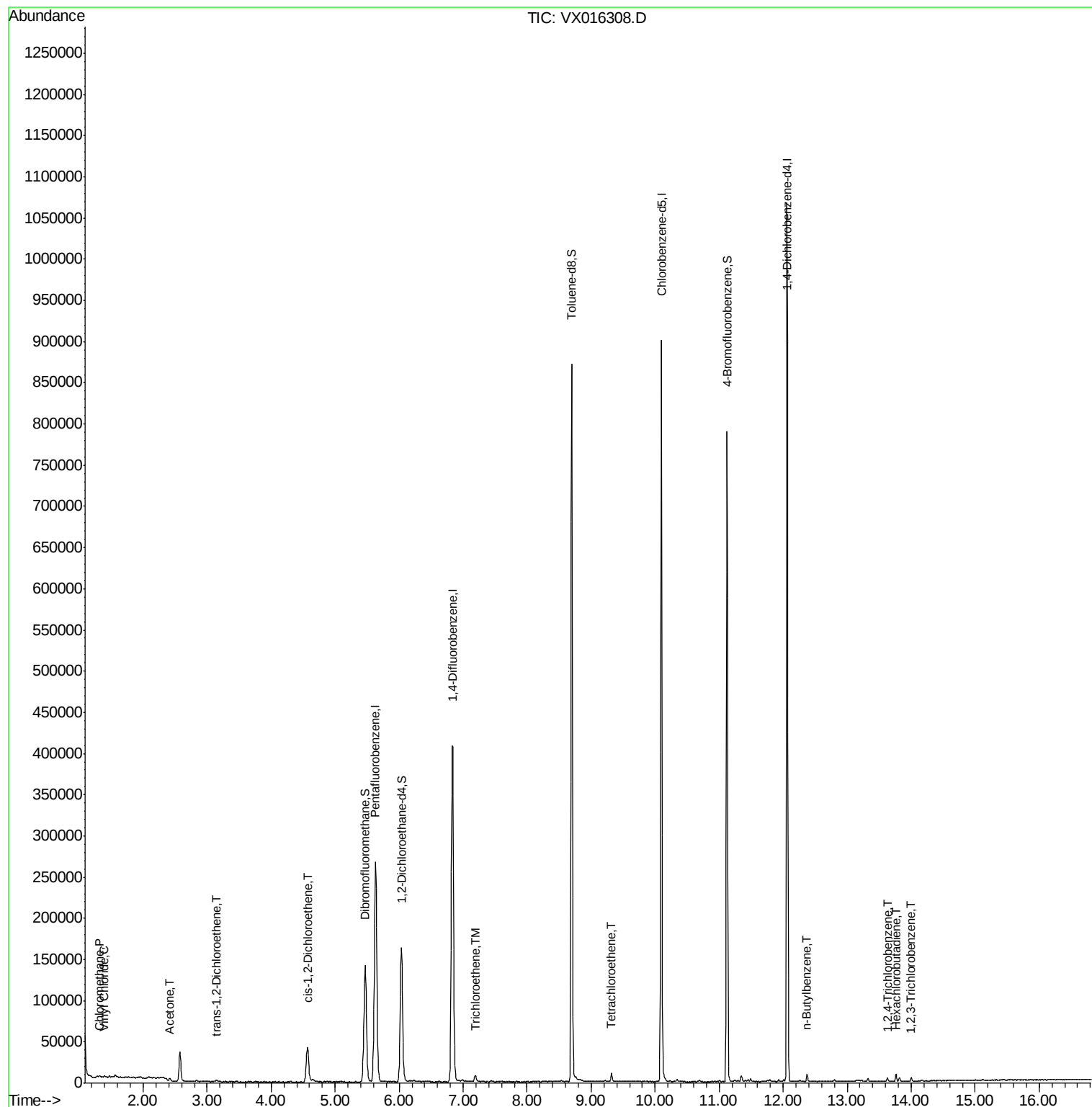
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1321	0.405	ug/l	98
4) Vinyl Chloride	1.39	62	897	0.258	ug/l	99
16) Acetone	2.42	43	2607	1.675	ug/l #	87
21) trans-1,2-Dichloroethene	3.14	96	831	0.271	ug/l #	71
27) cis-1,2-Dichloroethene	4.57	96	27566	8.213	ug/l	87
44) Trichloroethene	7.19	130	2710	0.610	ug/l	84
64) Tetrachloroethene	9.32	164	1442	0.281	ug/l	87
89) n-Butylbenzene	12.37	91	2659	0.201	ug/l	97
93) 1,2,4-Trichlorobenzene	13.63	180	1288	0.246	ug/l	97
94) Hexachlorobutadiene	13.77	225	1460	1.164	ug/l	91
96) 1,2,3-Trichlorobenzene	14.01	180	1238	0.242	ug/l	99

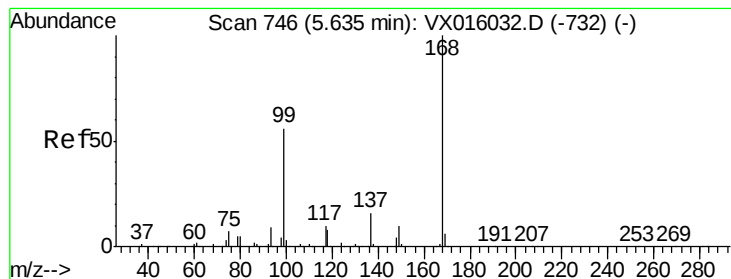
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX016308.D

Acq: 18 May 2020 19:12

Instrument :

MSVOA_X

ClientSampleId :

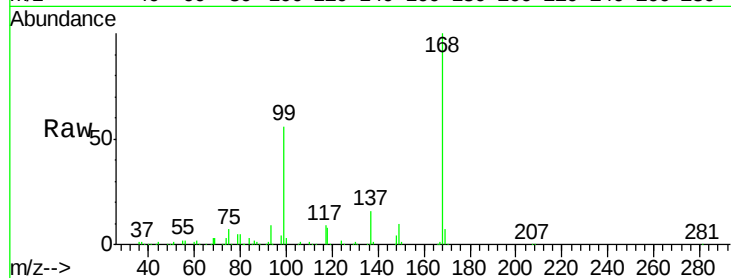
WP021MW348-200514

Tot Ion:168 Resp: 265041

Ion Ratio Lower Upper

168 100

99 55.5 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

60000

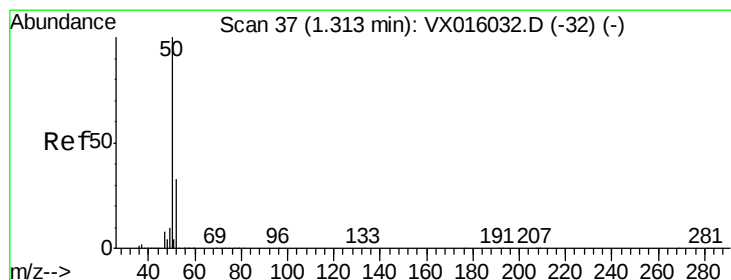
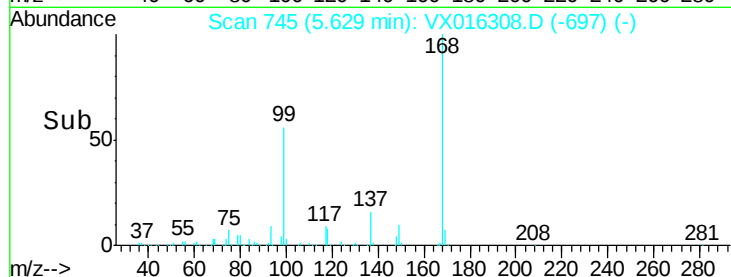
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.405 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016308.D

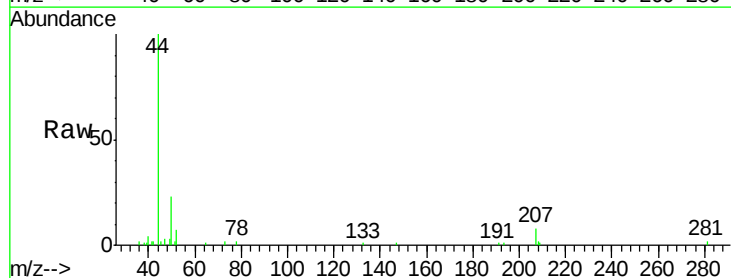
Acq: 18 May 2020 19:12

Tgt Ion: 50 Resp: 1321

Ion Ratio Lower Upper

50 100

52 31.7 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

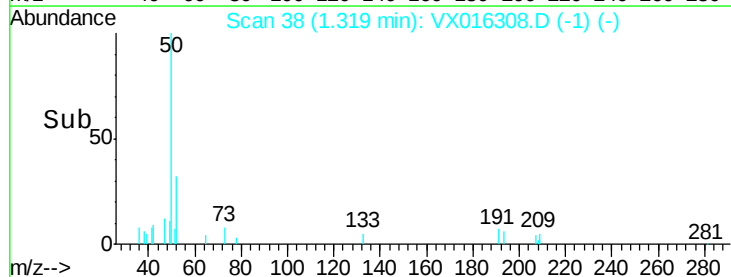
1000

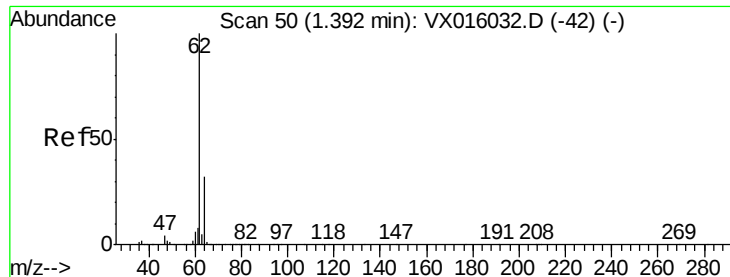
500

0

Time-->

1.30 1.35





#4

Vinyl Chloride

Concen: 0.258 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016308.D

Acq: 18 May 2020 19:12

Instrument :

MSVOA_X

ClientSampleId :

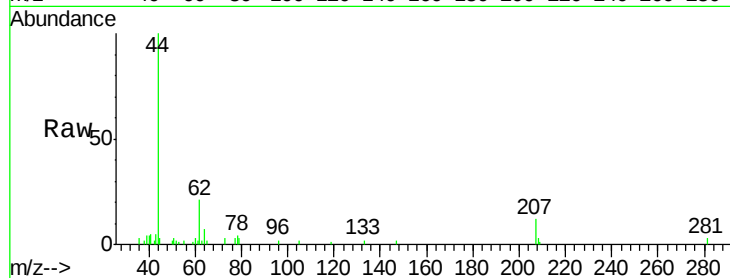
WP021MW348-200514

Tot Ion: 62 Resp: 897

Ion Ratio Lower Upper

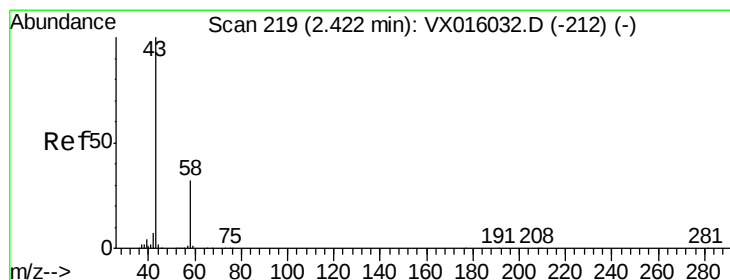
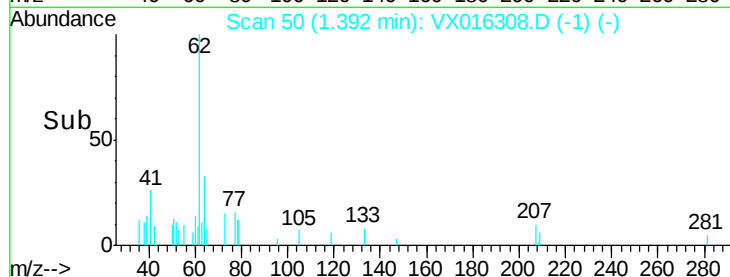
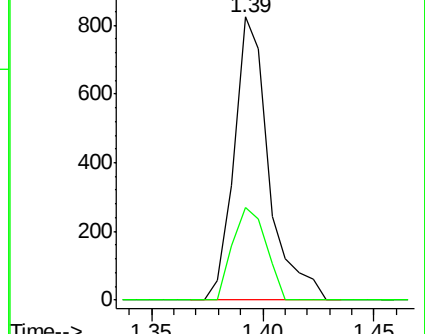
62 100

64 32.5 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#16

Acetone

Concen: 1.675 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016308.D

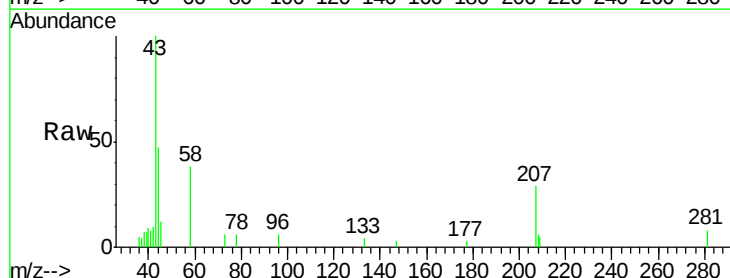
Acq: 18 May 2020 19:12

Tgt Ion: 43 Resp: 2607

Ion Ratio Lower Upper

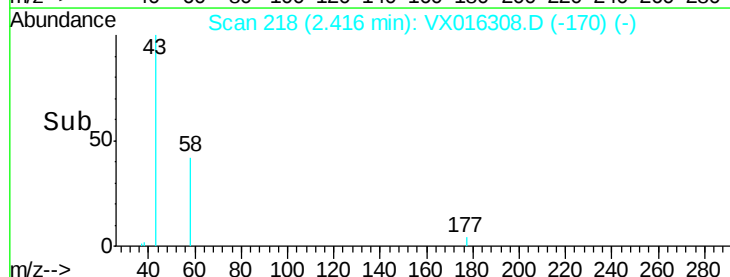
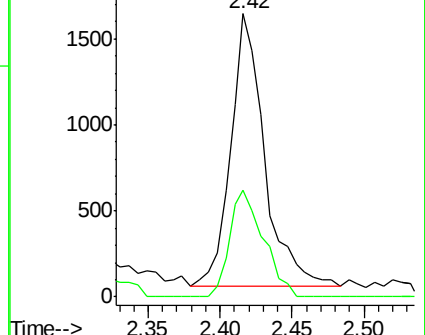
43 100

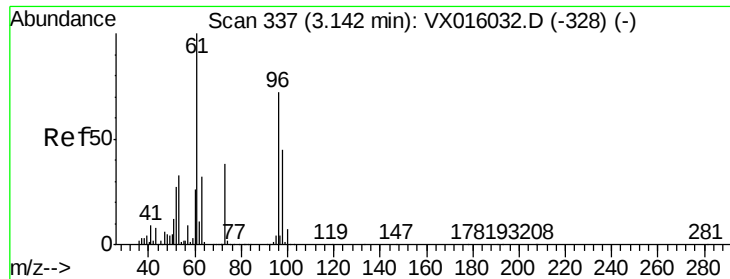
58 39.1 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#21

trans-1,2-Dichloroethene

Concen: 0.271 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016308.D

Acq: 18 May 2020 19:12

Instrument :

MSVOA_X

ClientSampleId :

WP021MW348-200514

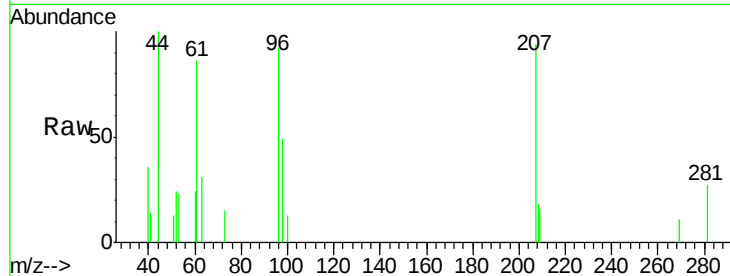
Tot Ion: 96 Resp: 831

Ion Ratio Lower Upper

96 100

61 94.2 111.2 166.8#

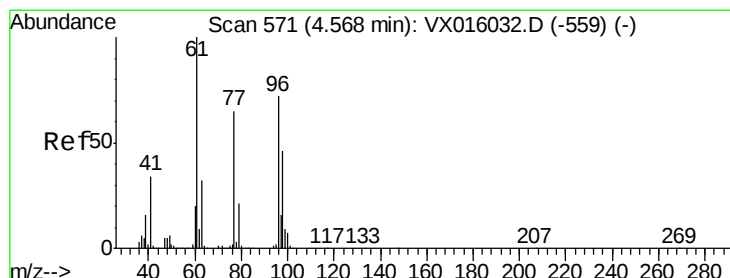
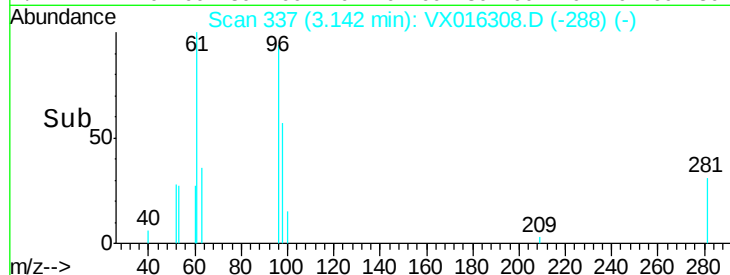
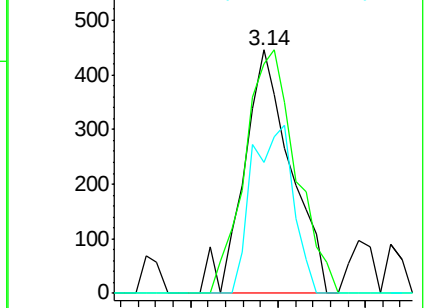
98 53.8 50.2 75.4



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



#27

cis-1,2-Dichloroethene

Concen: 8.213 ug/l

RT: 4.57 min Scan# 571

Delta R.T. -0.00 min

Lab File: VX016308.D

Acq: 18 May 2020 19:12

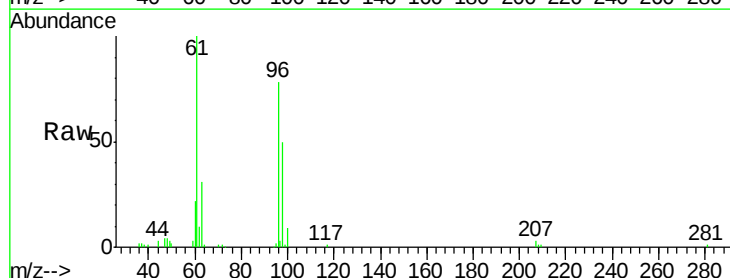
Tgt Ion: 96 Resp: 27566

Ion Ratio Lower Upper

96 100

61 125.8 0.0 296.2

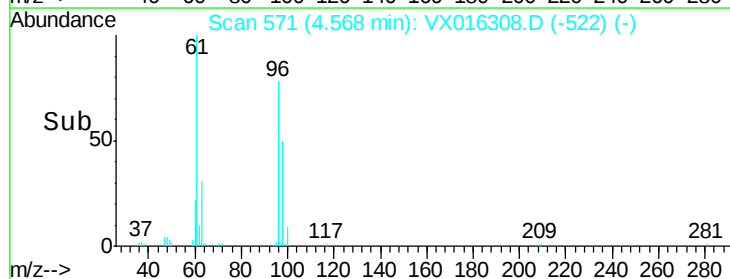
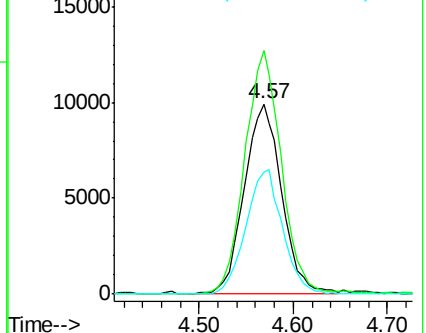
98 64.3 0.0 129.4

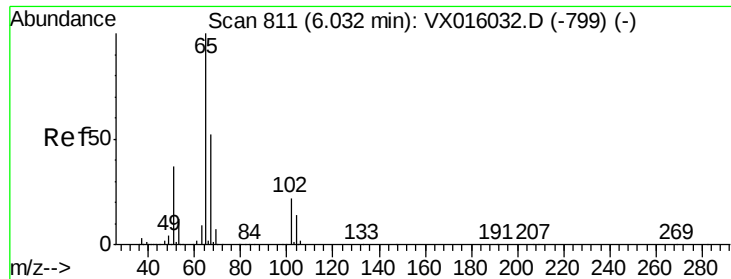


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 43.524 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016308.D

Acq: 18 May 2020 19:12

Instrument :

MSVOA_X

ClientSampleId :

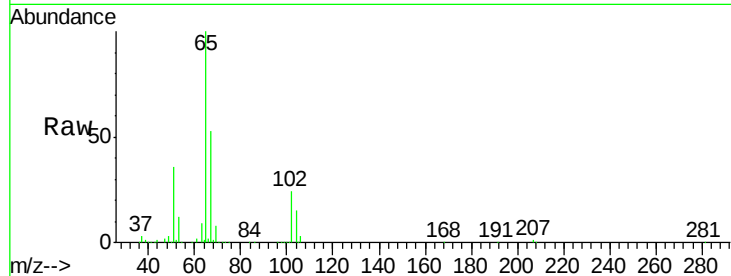
WP021MW348-200514

Tot Ion: 65 Resp: 151798

Ion Ratio Lower Upper

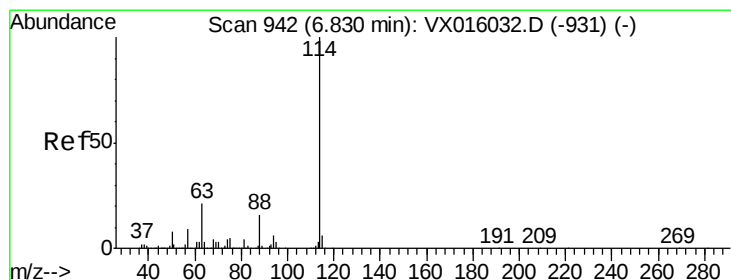
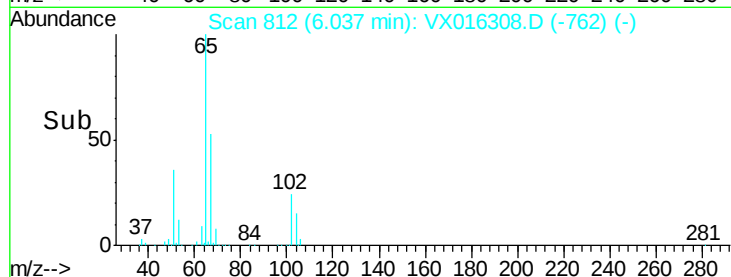
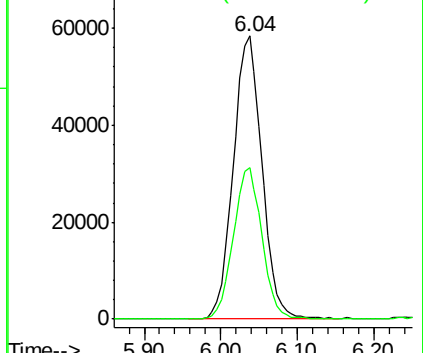
65 100

67 53.1 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: VX016308.D

Acq: 18 May 2020 19:12

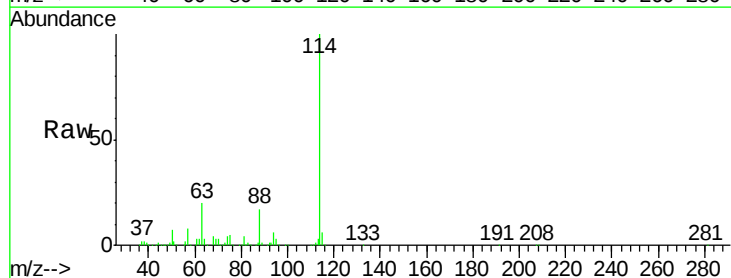
Tgt Ion: 114 Resp: 434160

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.8

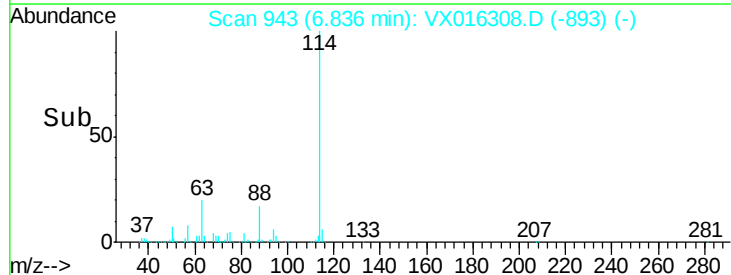
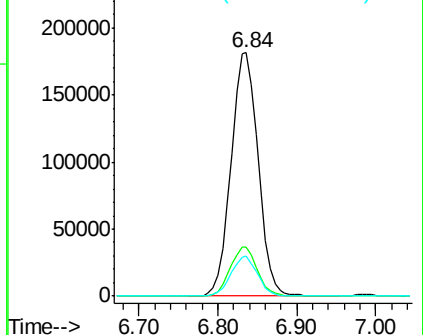
88 16.5 0.0 31.4

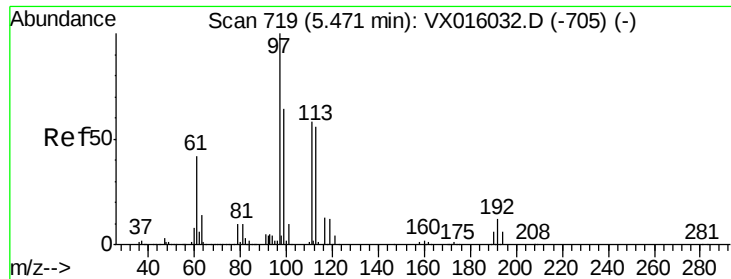


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 45.356 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX016308.D

Acq: 18 May 2020 19:12

Instrument :

MSVOA_X

ClientSampleId :

WP021MW348-200514

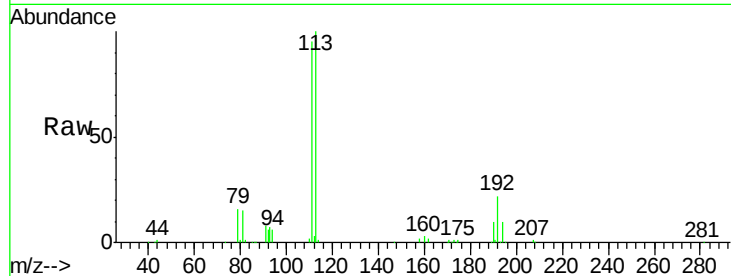
Tot Ion:113 Resp: 124756

Ion Ratio Lower Upper

113 100

111 101.0 81.6 122.4

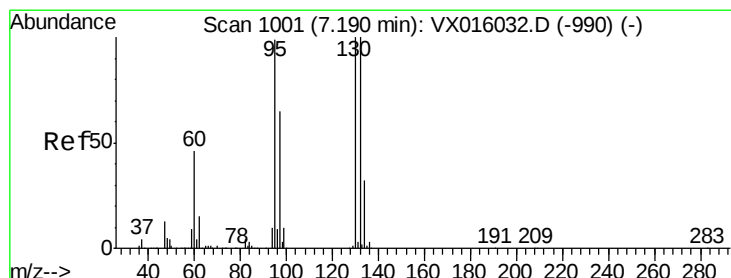
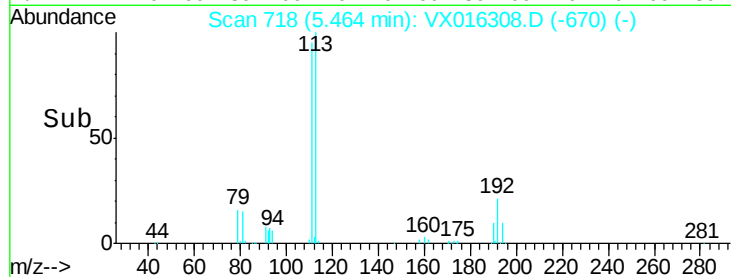
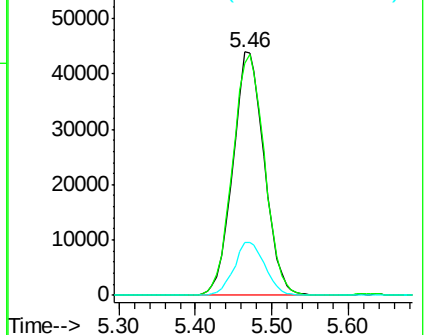
192 21.7 17.0 25.4



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



#44

Trichloroethene

Concen: 0.610 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016308.D

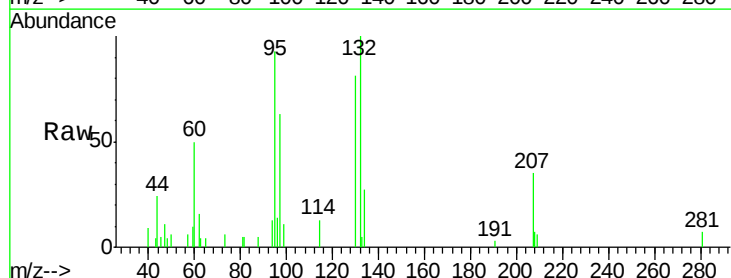
Acq: 18 May 2020 19:12

Tgt Ion:130 Resp: 2710

Ion Ratio Lower Upper

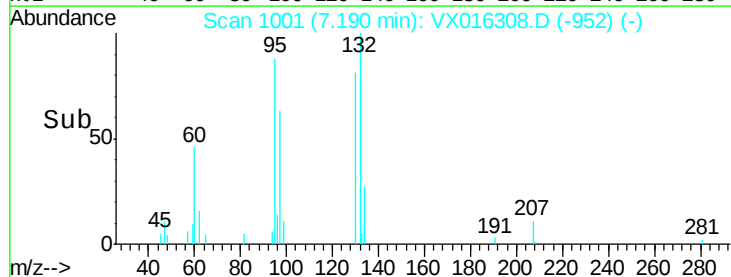
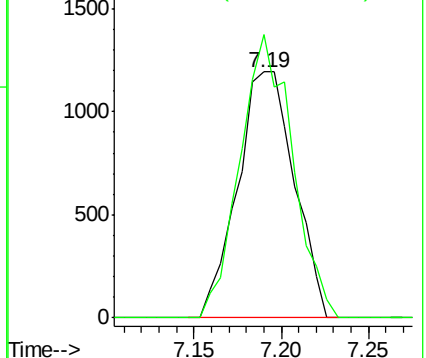
130 100

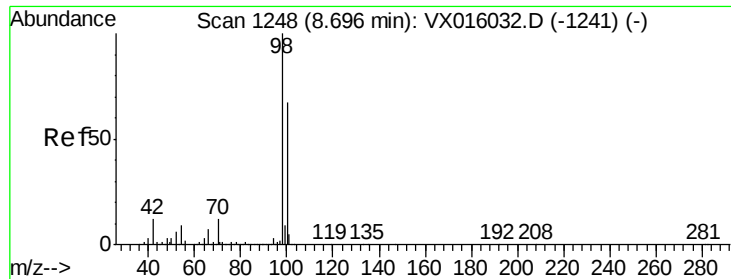
95 115.0 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 49.931 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016308.D

Acq: 18 May 2020 19:12

Instrument :

MSVOA_X

ClientSampleId :

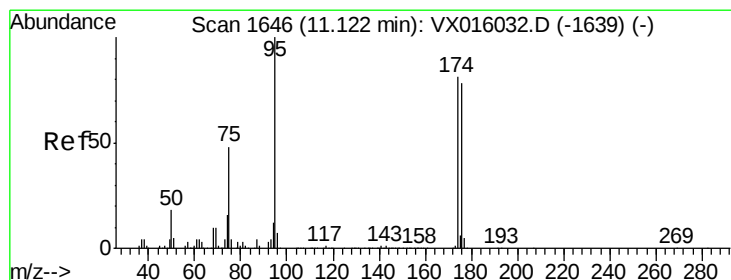
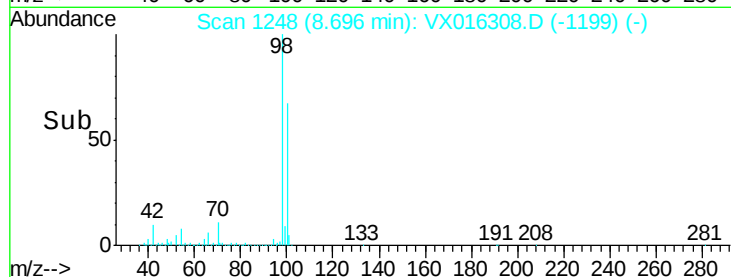
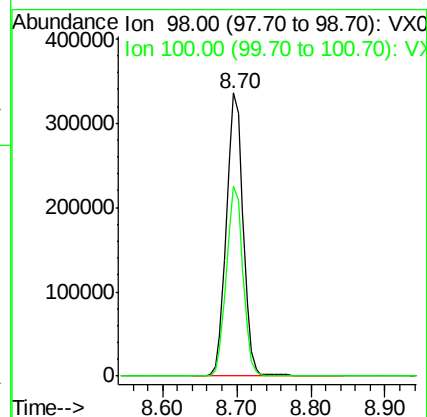
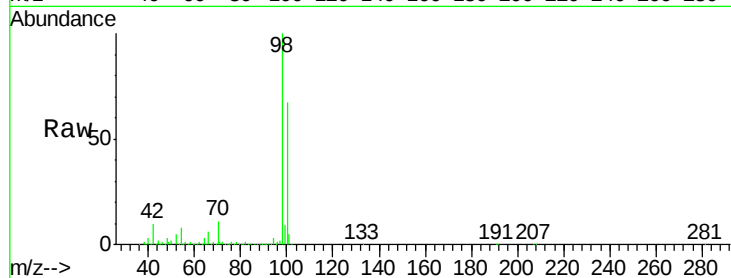
WP021MW348-200514

Tot Ion: 98 Resp: 529181

Ion Ratio Lower Upper

98 100

100 66.8 53.7 80.5



#62

4-Bromofluorobenzene

Concen: 52.329 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016308.D

Acq: 18 May 2020 19:12

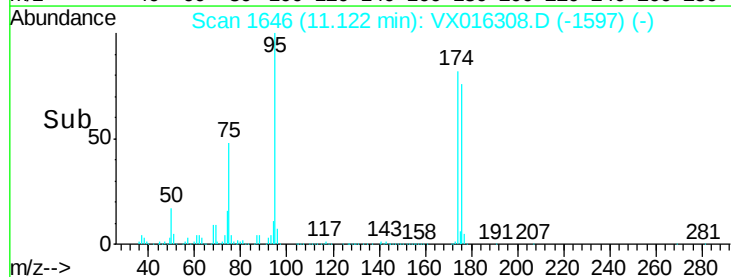
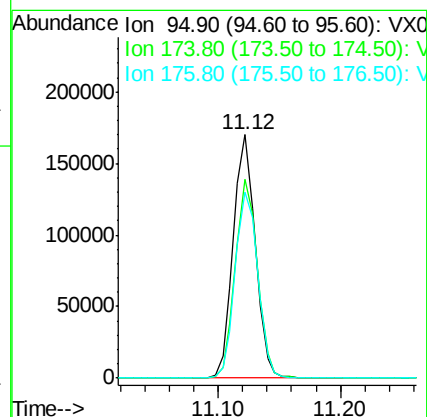
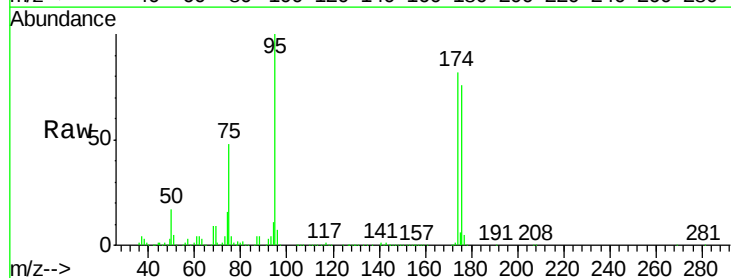
Tgt Ion: 95 Resp: 210943

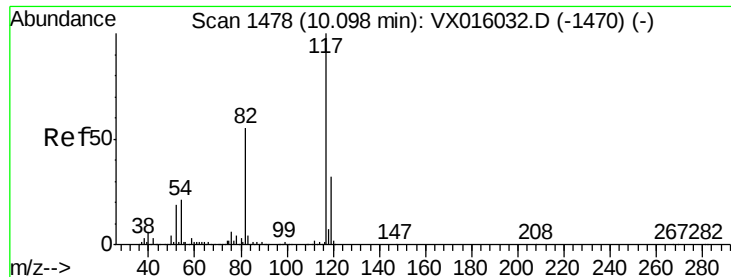
Ion Ratio Lower Upper

95 100

174 82.2 0.0 159.4

176 79.0 0.0 157.6

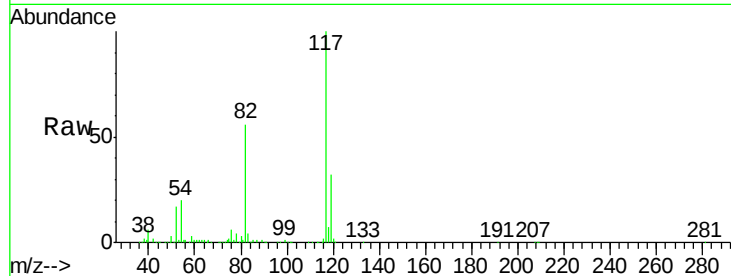




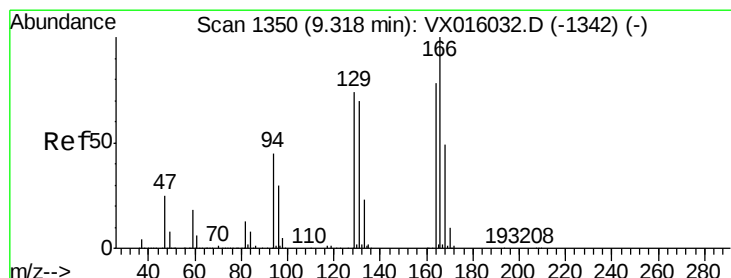
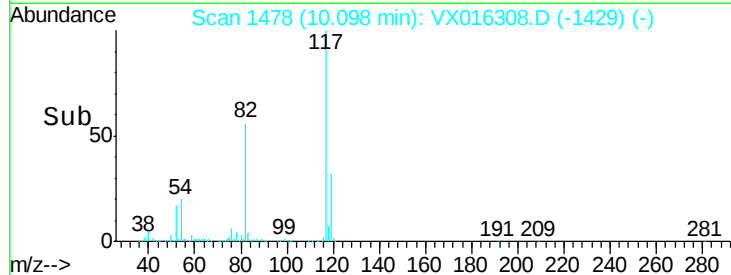
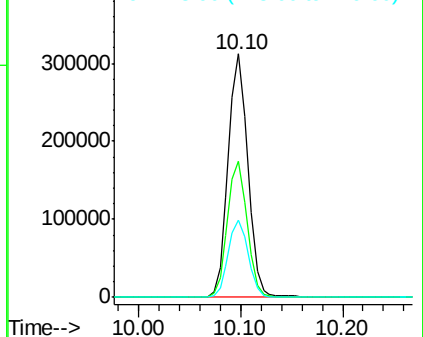
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016308.D
Acq: 18 May 2020 19:12

Instrument :
MSVOA_X
ClientSampleId :
WP021MW348-200514

Tot Ion:117 Resp: 418099
Ion Ratio Lower Upper
117 100
82 55.6 44.4 66.6
119 31.6 25.5 38.3

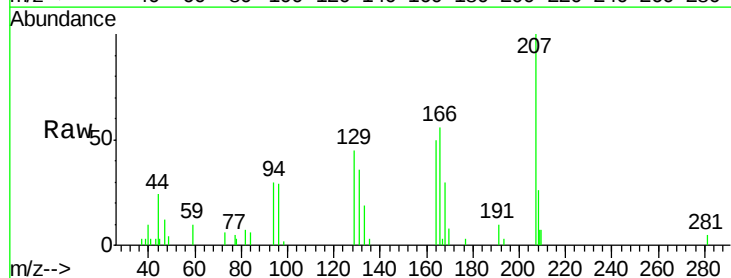


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

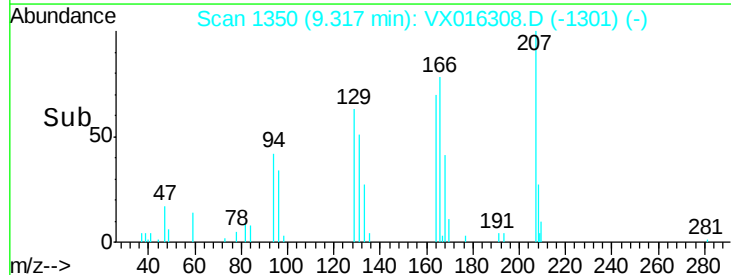
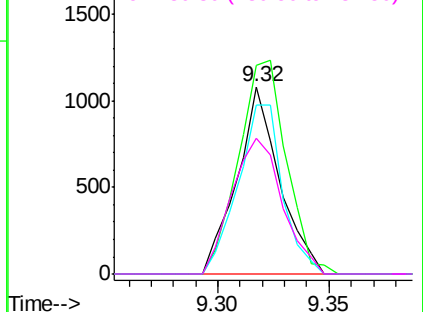


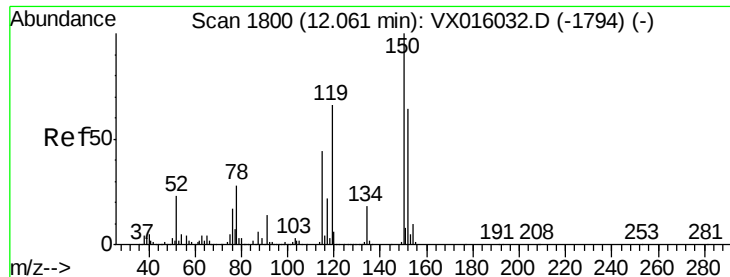
#64
Tetrachloroethene
Concen: 0.281 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016308.D
Acq: 18 May 2020 19:12

Tgt Ion:164 Resp: 1442
Ion Ratio Lower Upper
164 100
166 111.6 102.9 154.3
129 90.4 76.1 114.1
131 72.3 71.9 107.9



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016308.D

Acq: 18 May 2020 19:12

Instrument :

MSVOA_X

ClientSampleId :

WP021MW348-200514

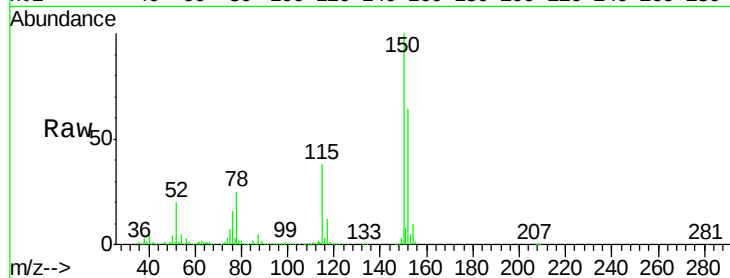
Tot Ion:152 Resp: 218091

Ion Ratio Lower Upper

152 100

115 58.6 41.3 124.1

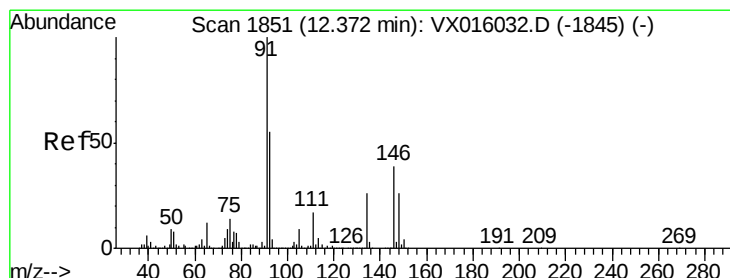
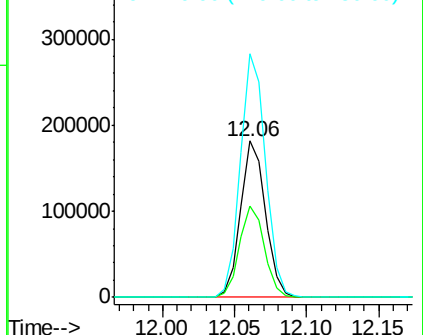
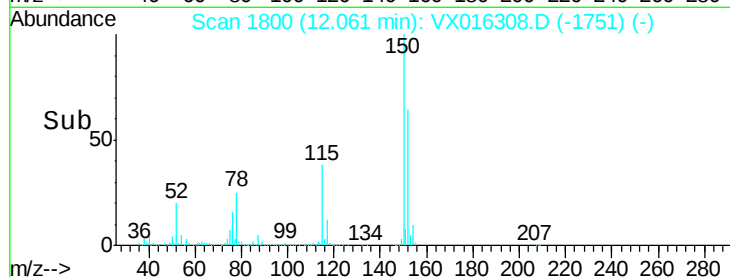
150 156.9 0.0 352.2



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



#89

n-Butylbenzene

Concen: 0.201 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VX016308.D

Acq: 18 May 2020 19:12

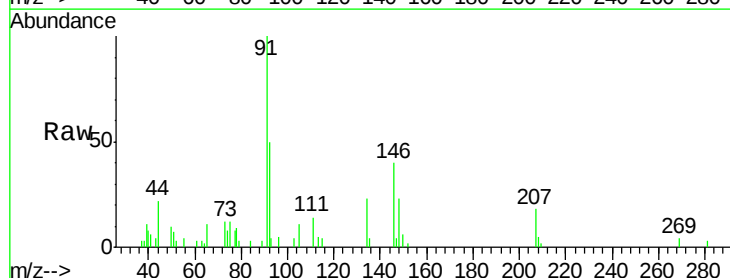
Tgt Ion: 91 Resp: 2659

Ion Ratio Lower Upper

91 100

92 52.5 27.6 82.7

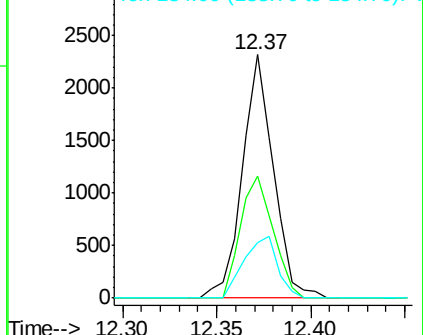
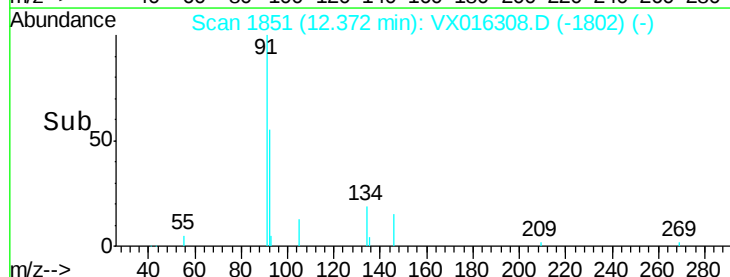
134 27.6 13.4 40.1

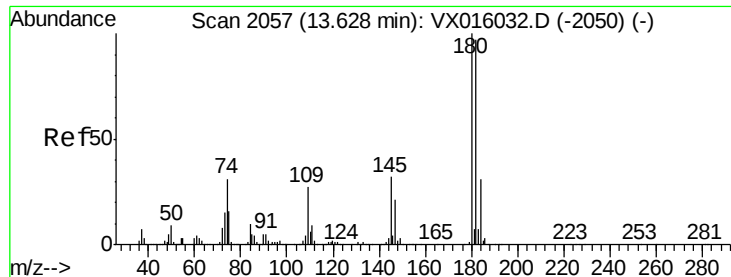


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

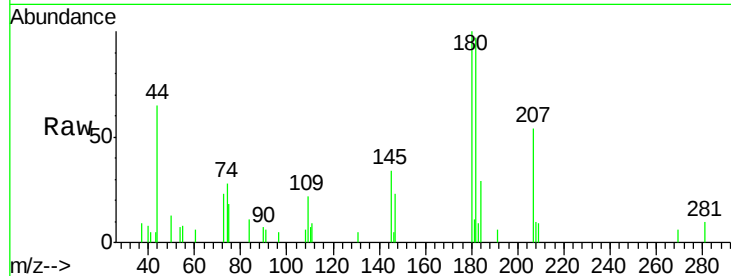




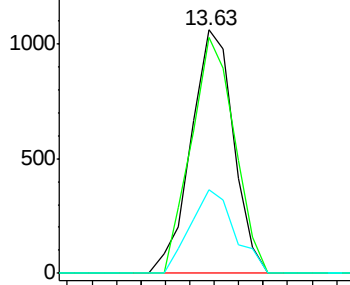
#93
 1,2,4-Trichlorobenzene
 Concen: 0.246 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX016308.D
 Acq: 18 May 2020 19:12

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW348-200514

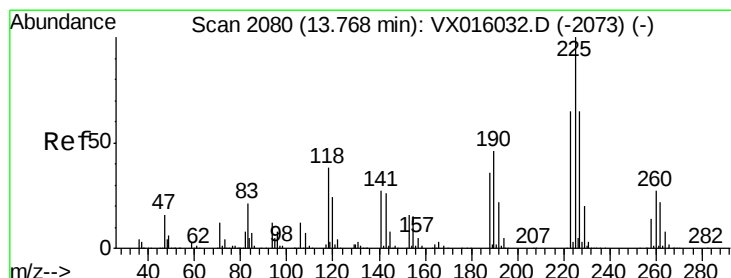
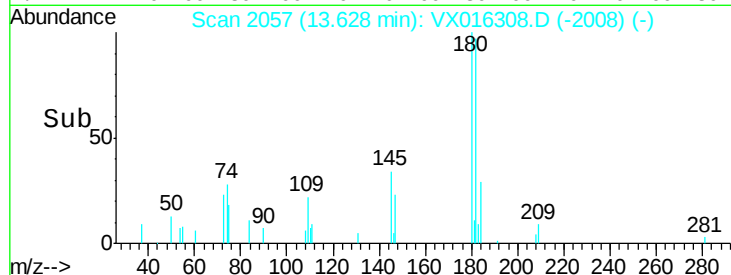
Tot Ion:180 Resp: 1288
 Ion Ratio Lower Upper
 180 100
 182 99.1 48.7 146.1
 145 35.6 15.7 47.1



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

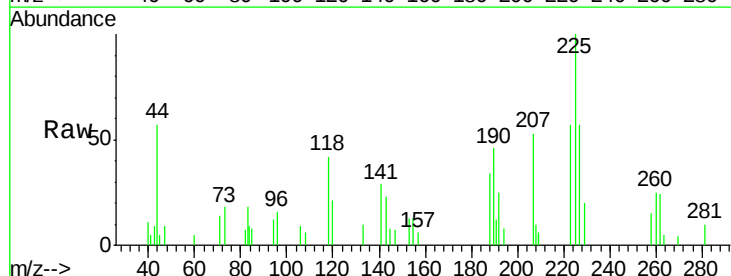


Time-->

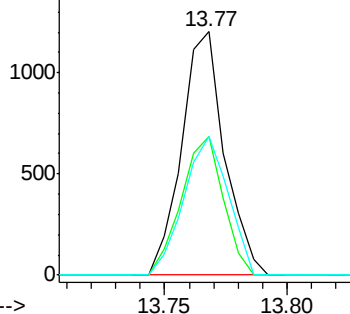


#94
 Hexachlorobutadiene
 Concen: 1.164 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX016308.D
 Acq: 18 May 2020 19:12

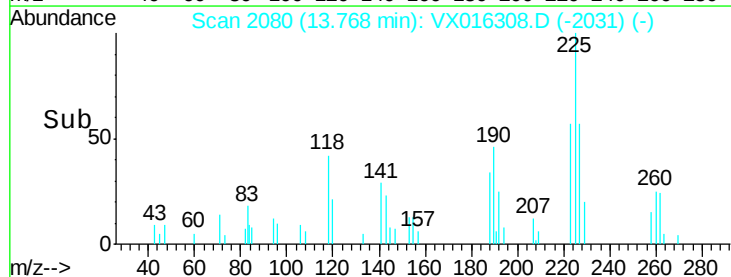
Tgt Ion:225 Resp: 1460
 Ion Ratio Lower Upper
 225 100
 223 55.7 32.3 96.9
 227 58.8 31.8 95.4

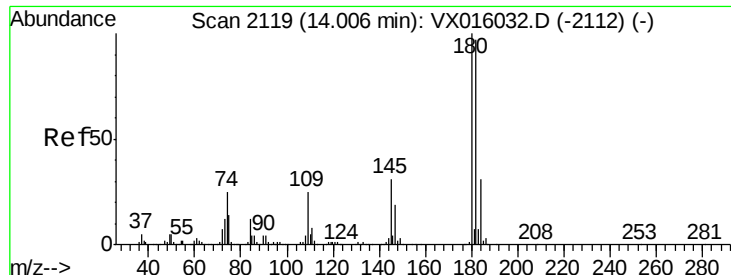


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





#96
 1,2,3-Trichlorobenzene
 Concen: 0.242 ug/l
 RT: 14.01 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VX016308.D
 Acq: 18 May 2020 19:12

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021MW348-200514

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	48.4	145.0
145	34.7	16.4	49.1

