

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052120\
 Data File : VX016388.D
 Acq On : 21 May 2020 16:56
 Operator : JC/SP
 Sample : L2730-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021RW244-200520

Quant Time: May 22 09:37:50 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	235788	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	386338	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	381288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	189101	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	134185	43.25	ug/l	0.00
Spiked Amount			Recovery	=	86.50%	
35) Dibromofluoromethane	5.46	113	110842	45.29	ug/l	0.00
Spiked Amount			Recovery	=	90.58%	
50) Toluene-d8	8.70	98	478486	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
62) 4-Bromofluorobenzene	11.12	95	190873	53.21	ug/l	0.00
Spiked Amount			Recovery	=	106.42%	

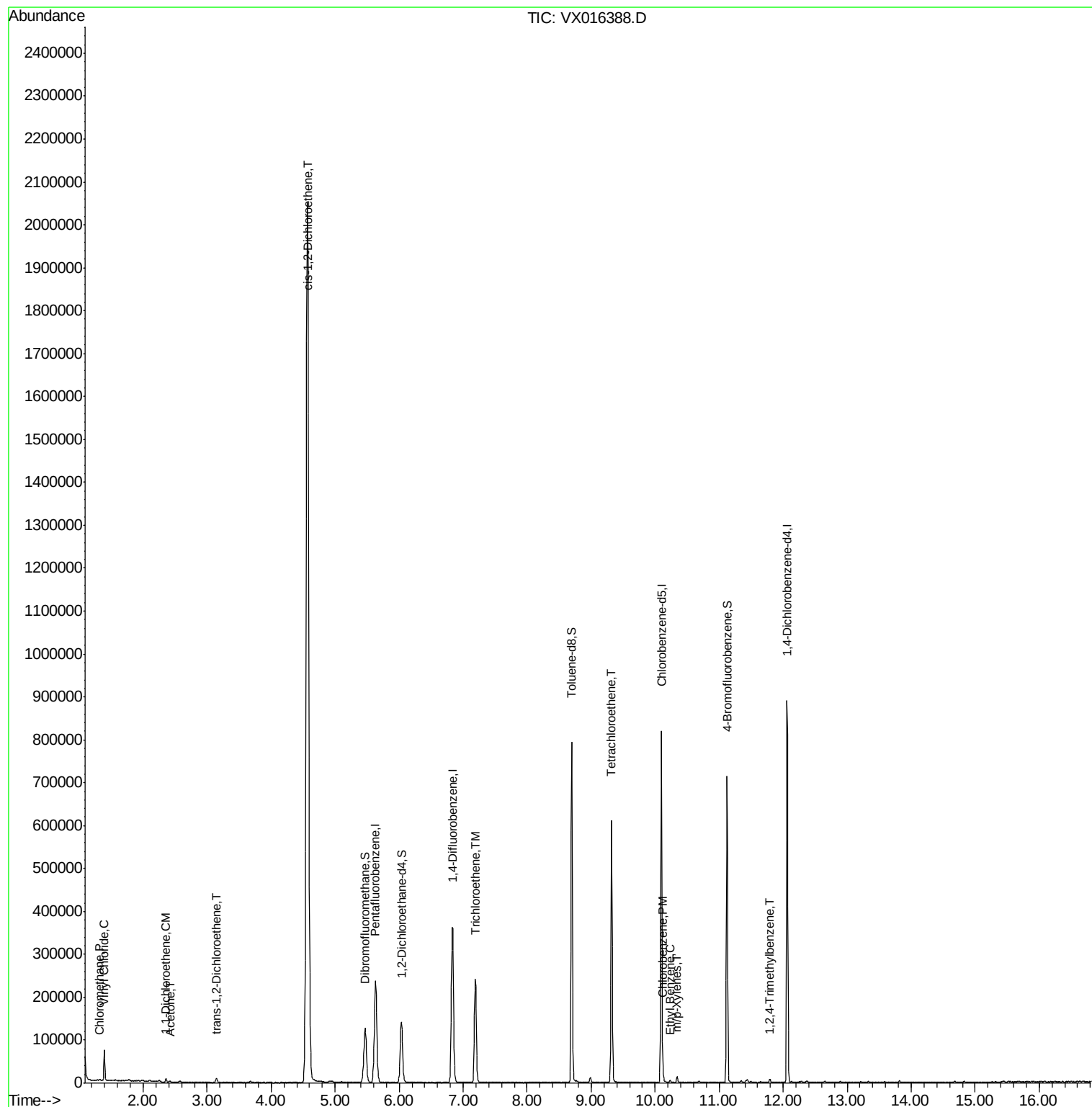
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1146	0.395	ug/l	94
4) Vinyl Chloride	1.39	62	40264	13.021	ug/l	100
12) 1,1-Dichloroethene	2.36	96	2986	1.218	ug/l	97
16) Acetone	2.42	43	3851	2.782	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	3845	1.408	ug/l	87
27) cis-1,2-Dichloroethene	4.57	96	1385737	464.070	ug/l	86
44) Trichloroethene	7.19	130	96497	24.410	ug/l	99
64) Tetrachloroethene	9.32	164	122085	26.082	ug/l	98
65) Chlorobenzene	10.12	112	7378	0.924	ug/l	100
67) Ethyl Benzene	10.24	91	3467	0.243	ug/l	97
68) m/p-Xylenes	10.35	106	3472	0.651	ug/l	96
84) 1,2,4-Trimethylbenzene	11.79	105	3832	0.326	ug/l	95

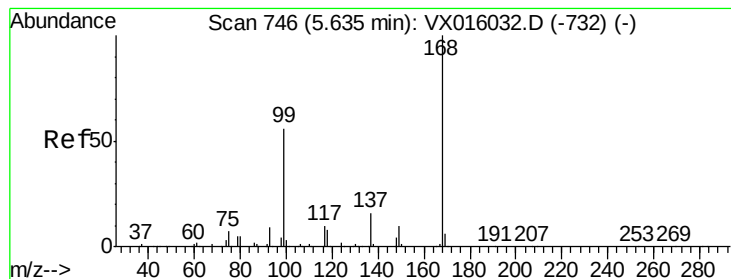
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016388.D

Acq: 21 May 2020 16:56

Instrument :

MSVOA_X

ClientSampleId :

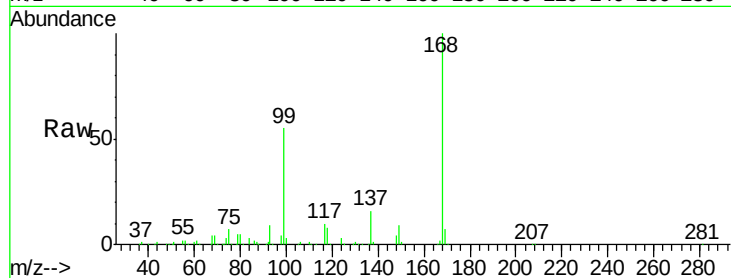
WP021RW244-200520

Tot Ion:168 Resp: 235788

Ion Ratio Lower Upper

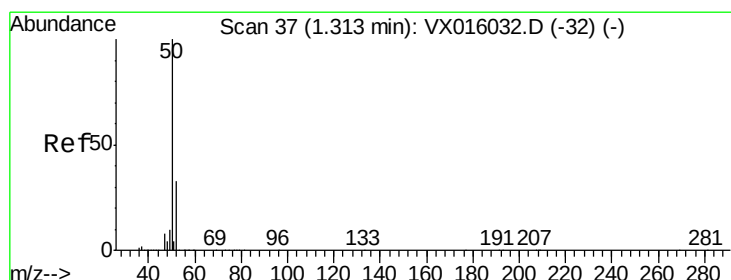
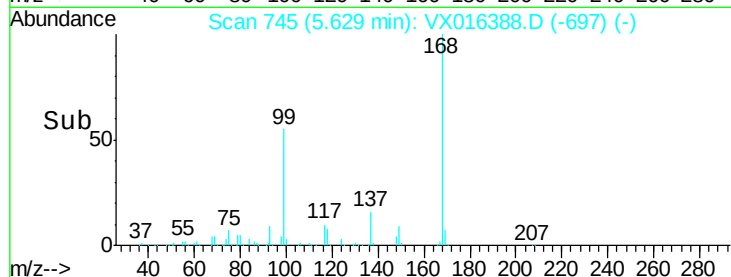
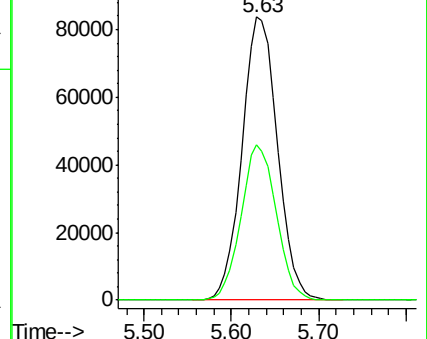
168 100

99 54.9 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.395 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016388.D

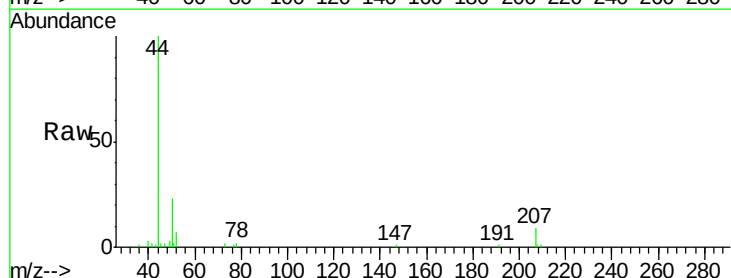
Acq: 21 May 2020 16:56

Tgt Ion: 50 Resp: 1146

Ion Ratio Lower Upper

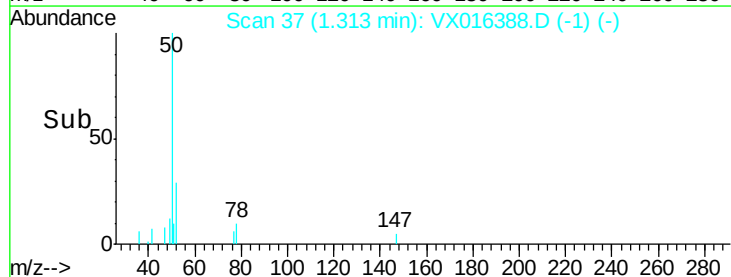
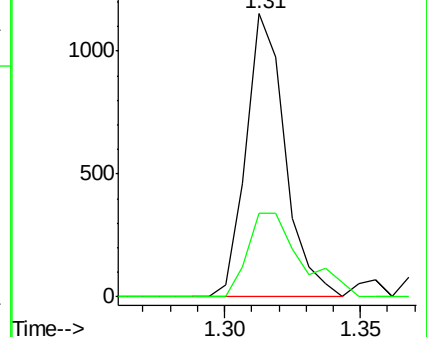
50 100

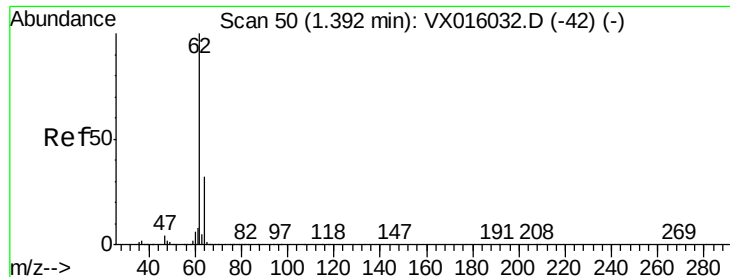
52 29.3 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 13.021 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016388.D

Acq: 21 May 2020 16:56

Instrument :

MSVOA_X

ClientSampleId :

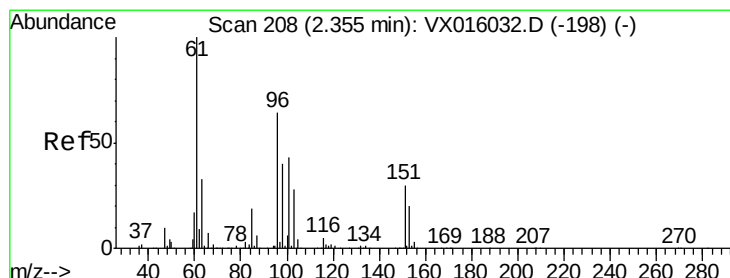
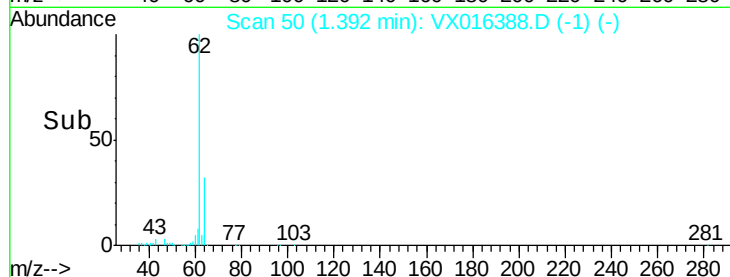
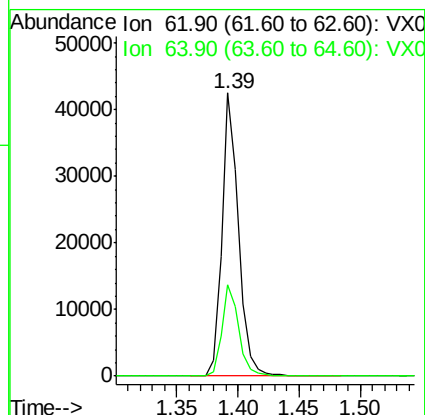
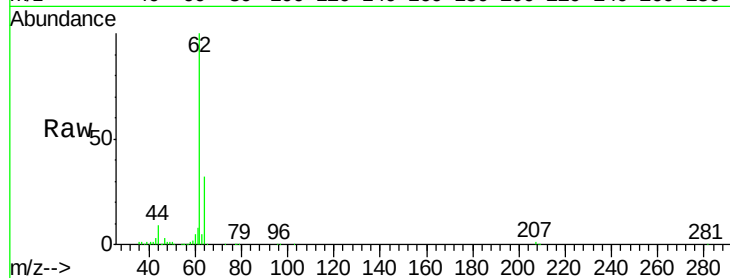
WP021RW244-200520

Tot Ion: 62 Resp: 40264

Ion Ratio Lower Upper

62 100

64 32.2 25.7 38.5



#12

1,1-Dichloroethene

Concen: 1.218 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX016388.D

Acq: 21 May 2020 16:56

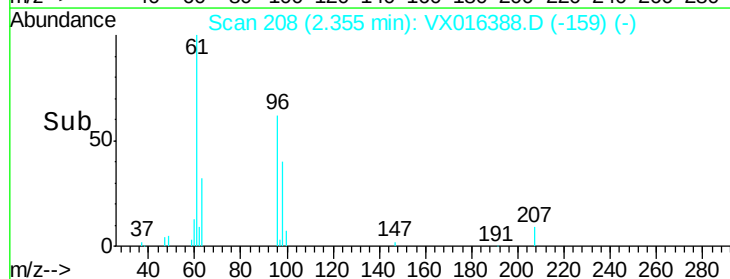
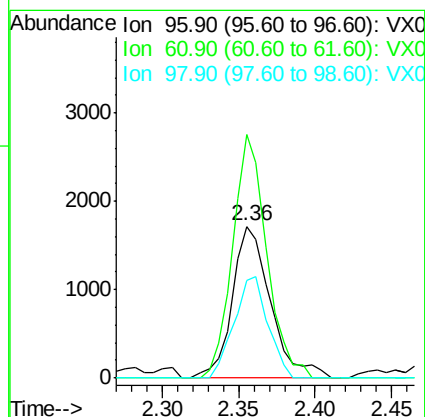
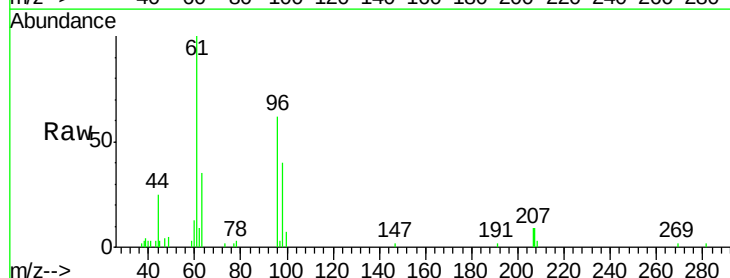
Tgt Ion: 96 Resp: 2986

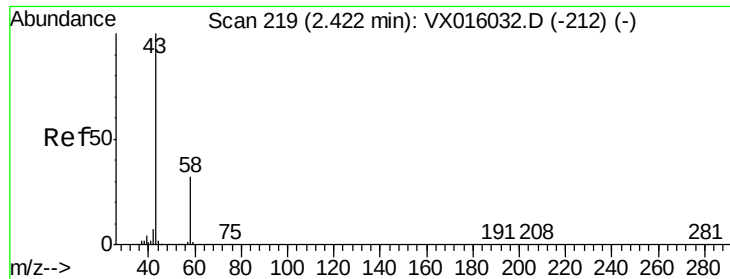
Ion Ratio Lower Upper

96 100

61 160.2 124.8 187.2

98 63.9 49.7 74.5





#16

Acetone

Concen: 2.782 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016388.D

Acq: 21 May 2020 16:56

Instrument :

MSVOA_X

ClientSampleId :

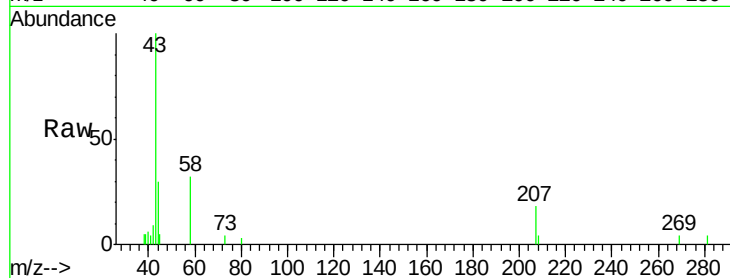
WP021RW244-200520

Tot Ion: 43 Resp: 3851

Ion Ratio Lower Upper

43 100

58 32.0 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

2500

2000

1500

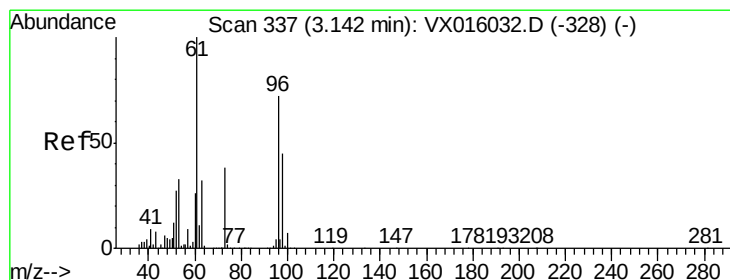
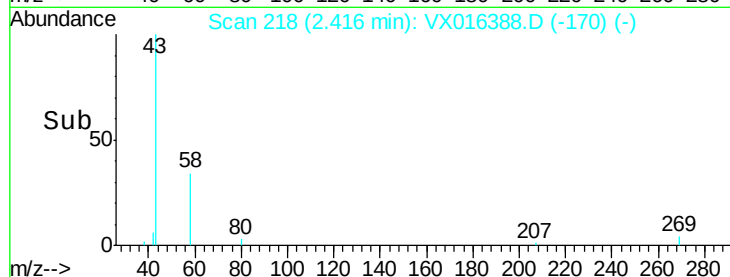
1000

500

0

Time-->

2.35 2.40 2.45 2.50



#21

trans-1,2-Dichloroethene

Concen: 1.408 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX016388.D

Acq: 21 May 2020 16:56

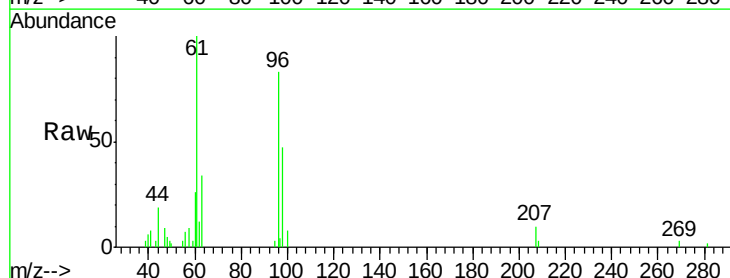
Tgt Ion: 96 Resp: 3845

Ion Ratio Lower Upper

96 100

61 120.4 111.2 166.8

98 56.8 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

3000

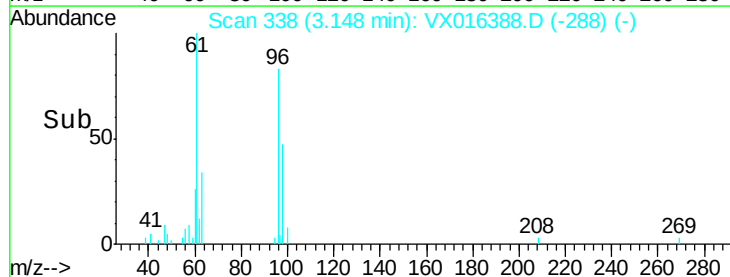
2000

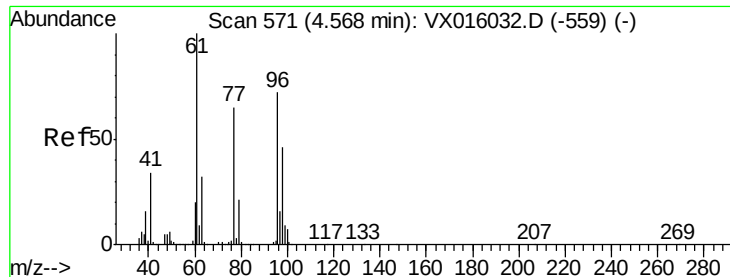
1000

0

Time-->

3.05 3.10 3.15 3.20



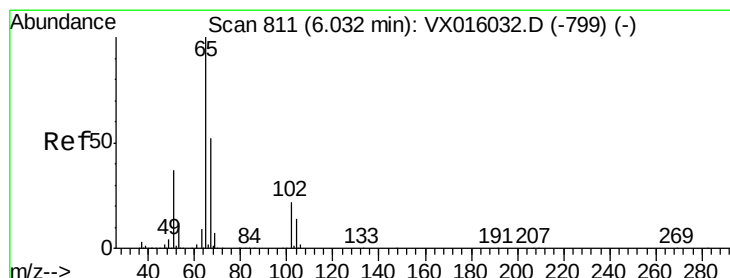
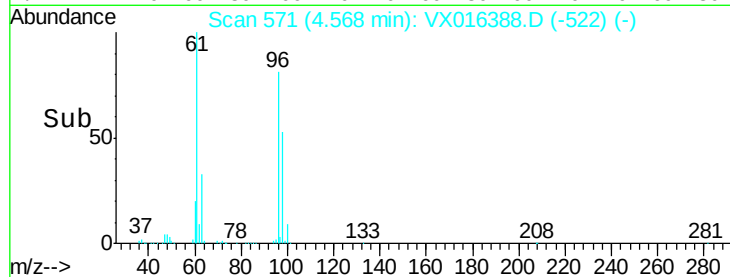
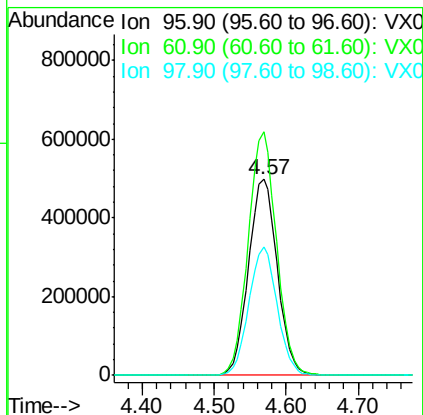
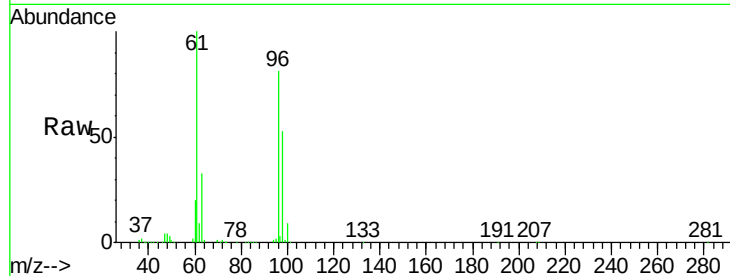


#27

cis-1,2-Dichloroethene
 Concen: 464.070 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. -0.00 min
 Lab File: VX016388.D
 Acq: 21 May 2020 16:56

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021RW244-200520

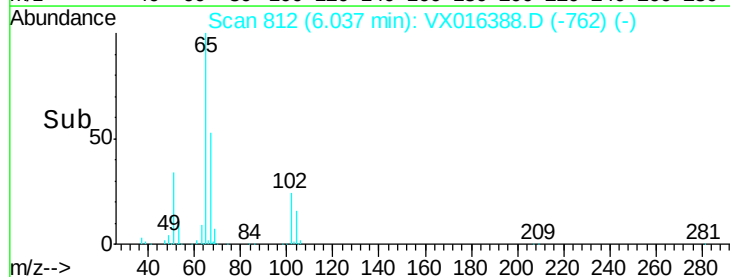
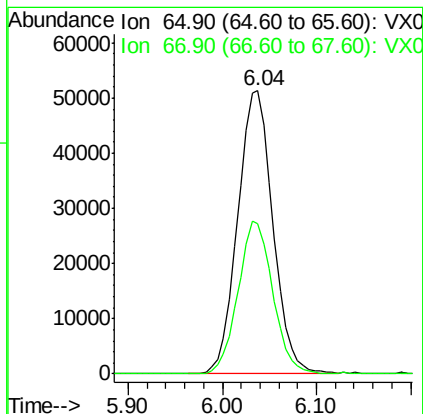
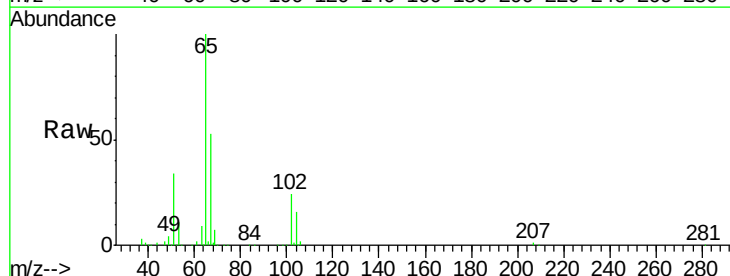
Tot Ion: 96 Resp: 1385737
 Ion Ratio Lower Upper
 96 100
 61 122.1 0.0 296.2
 98 64.5 0.0 129.4

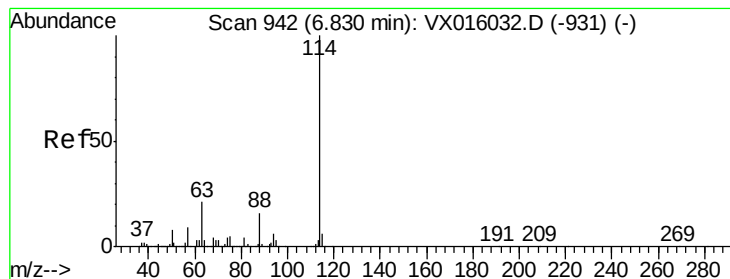


#33

1,2-Dichloroethane-d4
 Concen: 43.247 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VX016388.D
 Acq: 21 May 2020 16:56

Tgt Ion: 65 Resp: 134185
 Ion Ratio Lower Upper
 65 100
 67 53.2 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: VX016388.D

Acq: 21 May 2020 16:56

Instrument :

MSVOA_X

ClientSampleId :

WP021RW244-200520

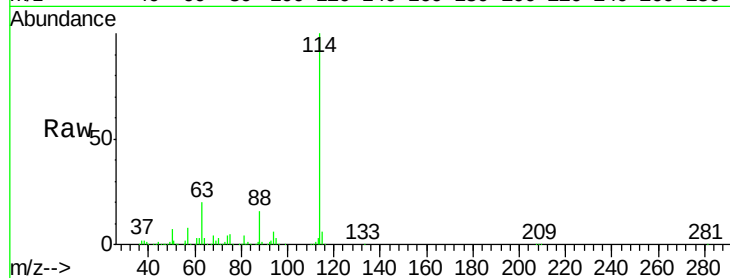
Tot Ion:114 Resp: 386338

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.8

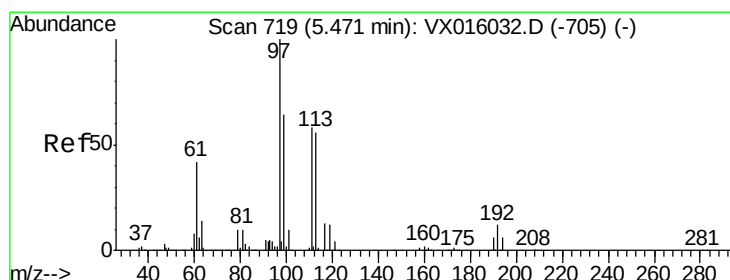
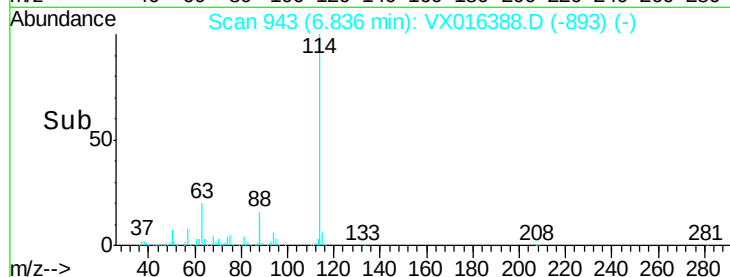
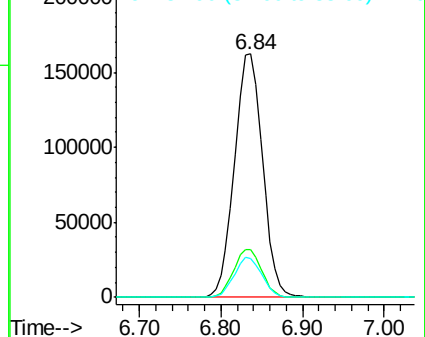
88 16.1 0.0 31.4



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: 45.286 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX016388.D

Acq: 21 May 2020 16:56

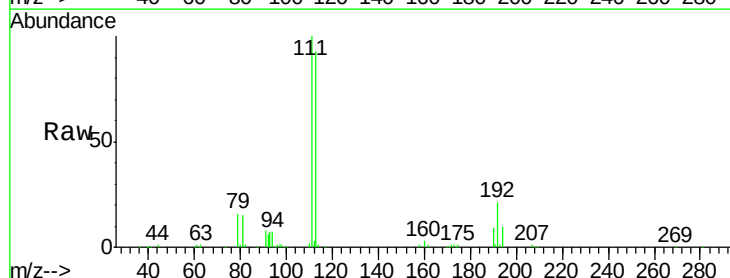
Tgt Ion:113 Resp: 110842

Ion Ratio Lower Upper

113 100

111 102.9 81.6 122.4

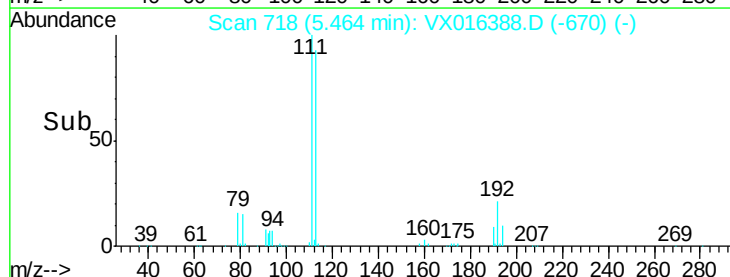
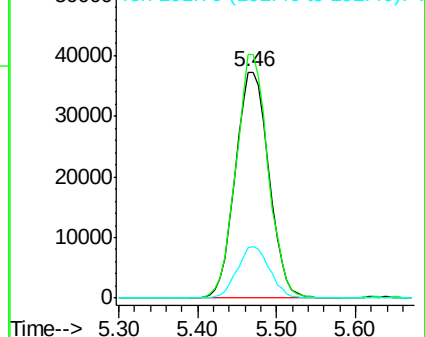
192 22.1 17.0 25.4

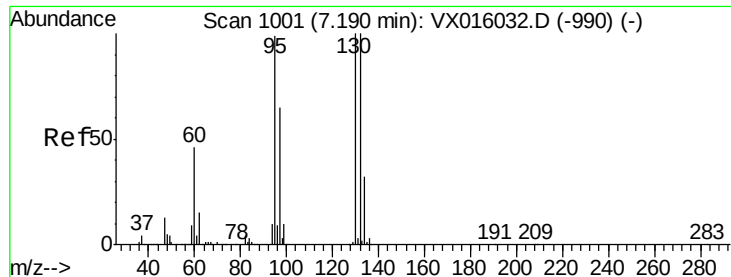


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 24.410 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016388.D

Acq: 21 May 2020 16:56

Instrument :

MSVOA_X

ClientSampleId :

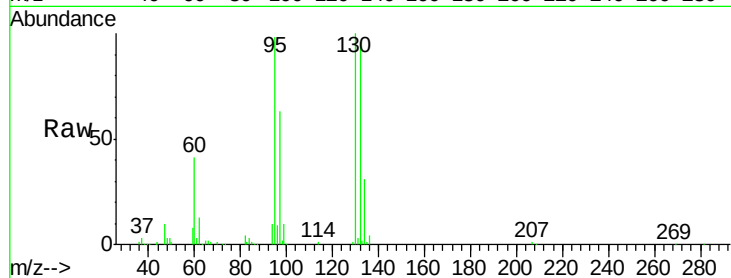
WP021RW244-200520

Tot Ion:130 Resp: 96497

Ion Ratio Lower Upper

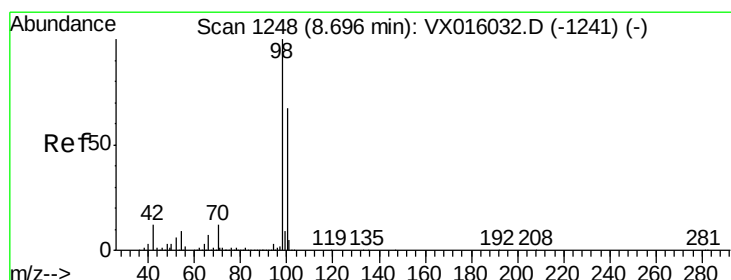
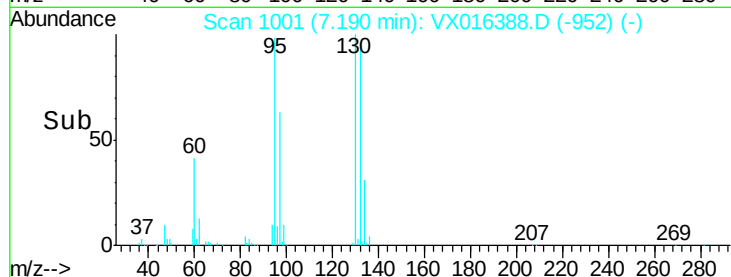
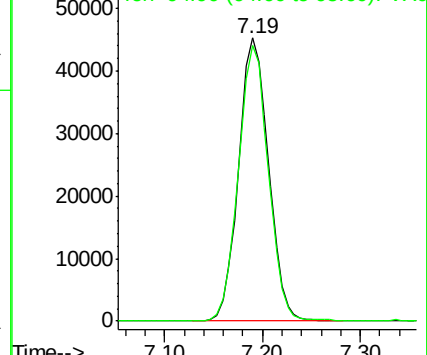
130 100

95 97.6 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: 50.736 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016388.D

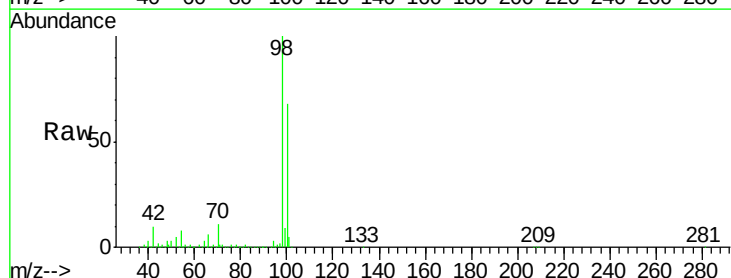
Acq: 21 May 2020 16:56

Tgt Ion: 98 Resp: 478486

Ion Ratio Lower Upper

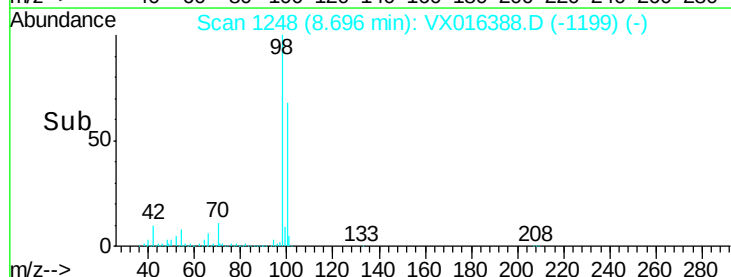
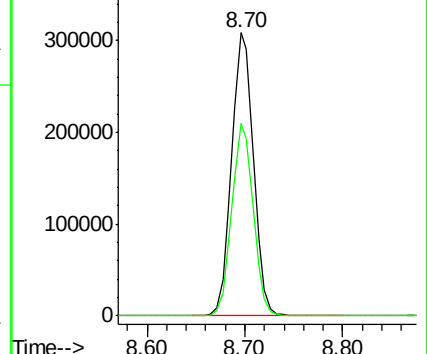
98 100

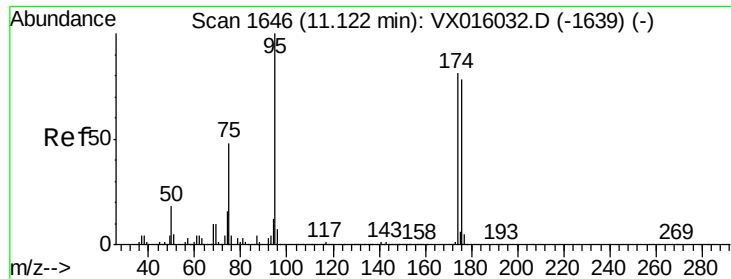
100 66.9 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

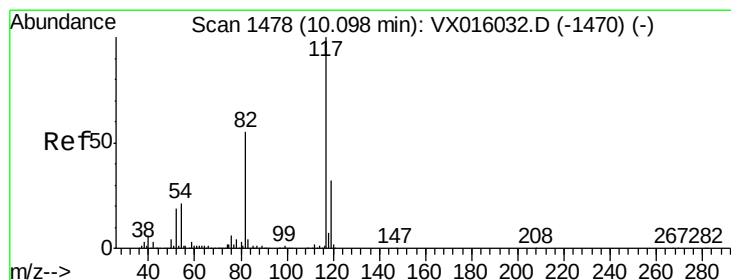
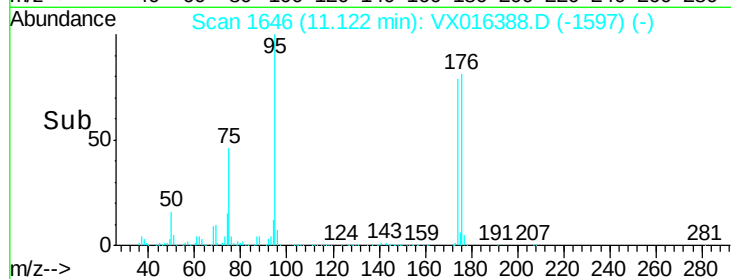
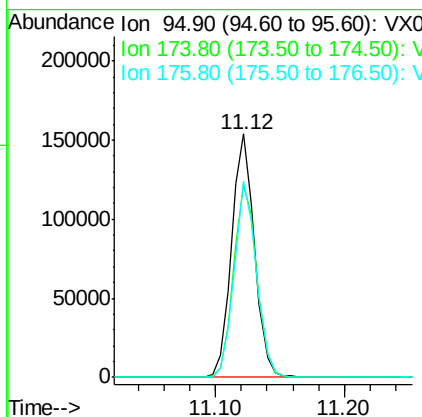
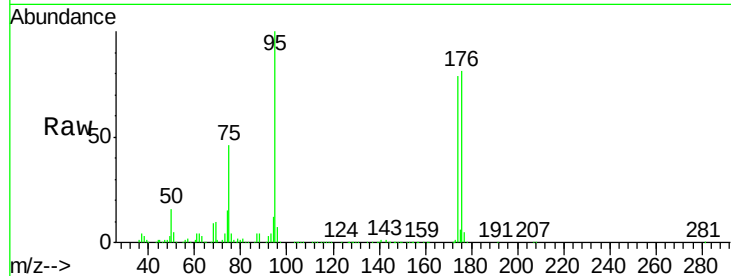




#62
4-Bromofluorobenzene
Concen: 53.212 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016388.D
Acq: 21 May 2020 16:56

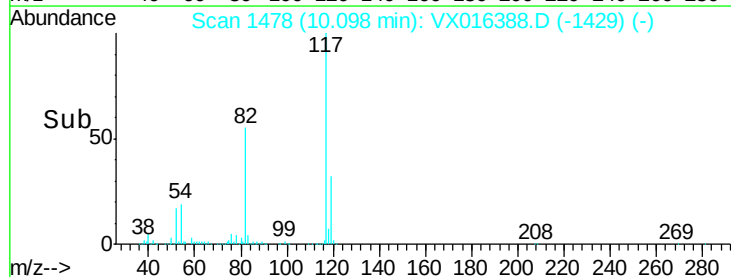
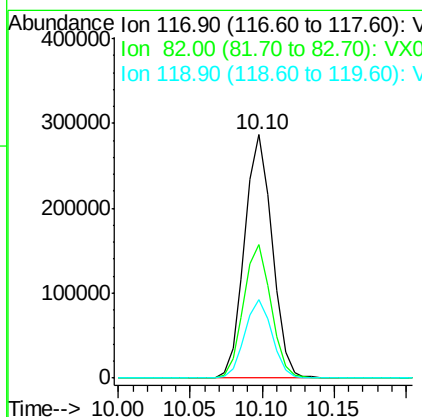
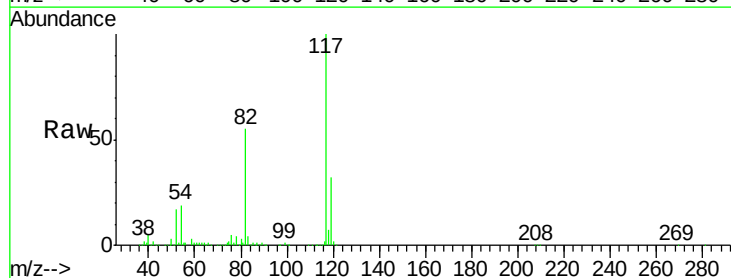
Instrument :
MSVOA_X
ClientSampleId :
WP021RW244-200520

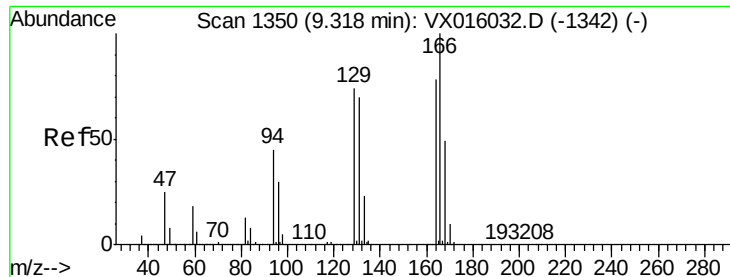
Tot Ion	95	Resp	190873
Ion Ratio	Lower	Upper	
95	100		
174	80.8	0.0	159.4
176	78.6	0.0	157.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016388.D
Acq: 21 May 2020 16:56

Tgt Ion	117	Resp	381288
Ion Ratio	Lower	Upper	
117	100		
82	54.8	44.4	66.6
119	32.0	25.5	38.3





#64

Tetrachloroethene

Concen: 26.082 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX016388.D

Acq: 21 May 2020 16:56

Instrument :

MSVOA_X

ClientSampleId :

WP021RW244-200520

Tot Ion:164 Resp: 122085

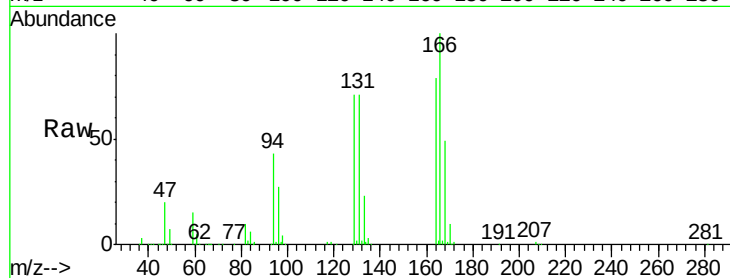
Ion Ratio Lower Upper

164 100

166 127.1 102.9 154.3

129 90.8 76.1 114.1

131 90.0 71.9 107.9

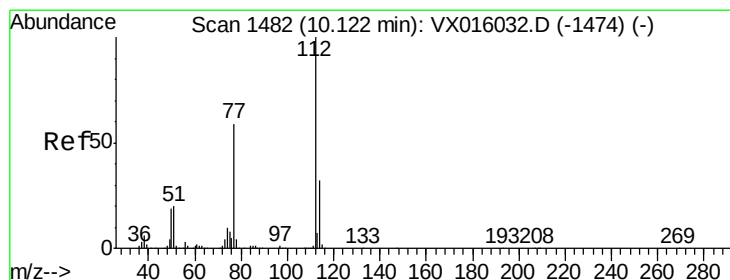
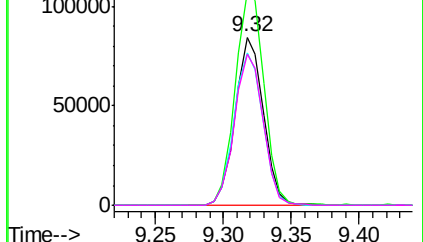
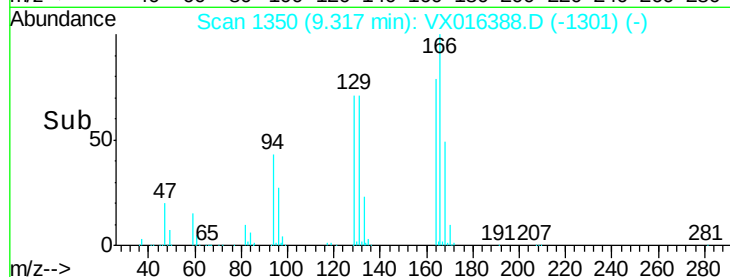


Abundance Ion 163.80 (163.50 to 164.50): V

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



#65

Chlorobenzene

Concen: 0.924 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016388.D

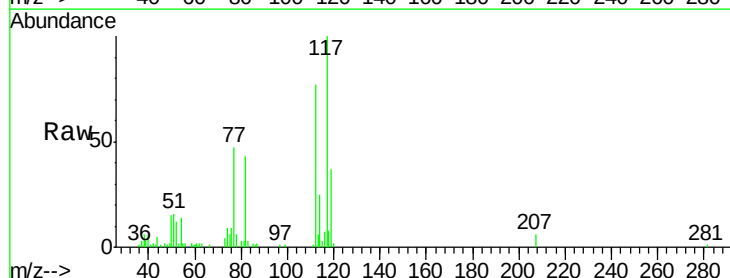
Acq: 21 May 2020 16:56

Tgt Ion:112 Resp: 7378

Ion Ratio Lower Upper

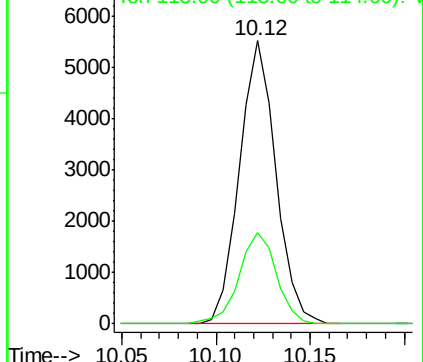
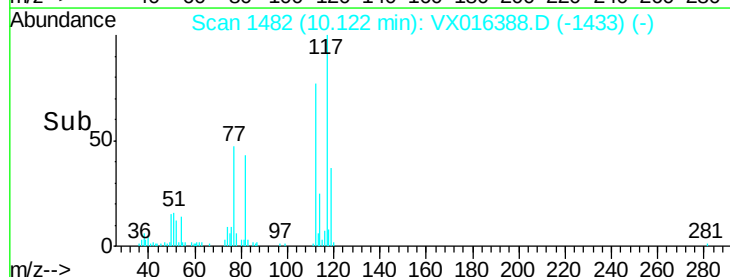
112 100

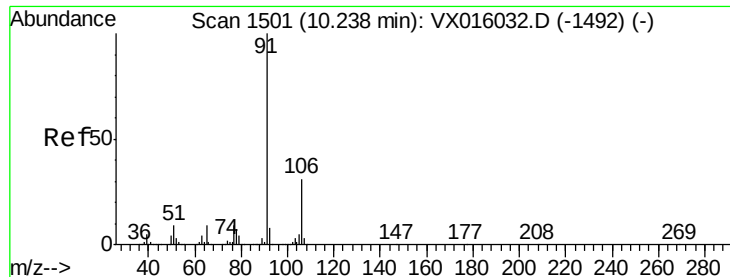
114 32.4 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#67

Ethyl Benzene

Concen: 0.243 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VX016388.D

Acq: 21 May 2020 16:56

Instrument :

MSVOA_X

ClientSampleId :

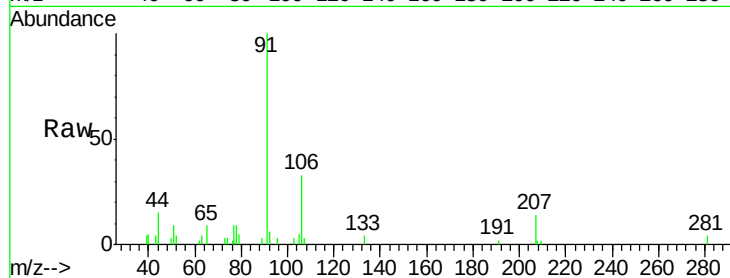
WP021RW244-200520

Tot Ion: 91 Resp: 3467

Ion Ratio Lower Upper

91 100

106 32.8 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VX016032.D (-1492) (-)

Ion 106.00 (105.70 to 106.70): VX016032.D (-1492) (-)

10.24

2500

2000

1500

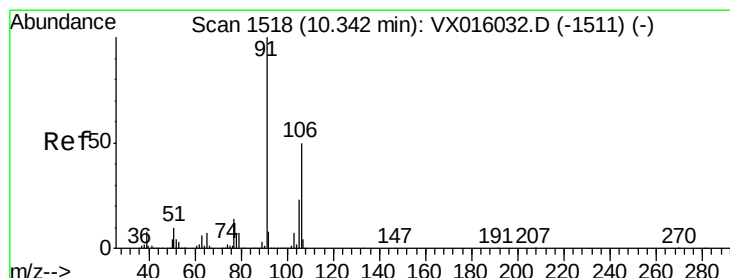
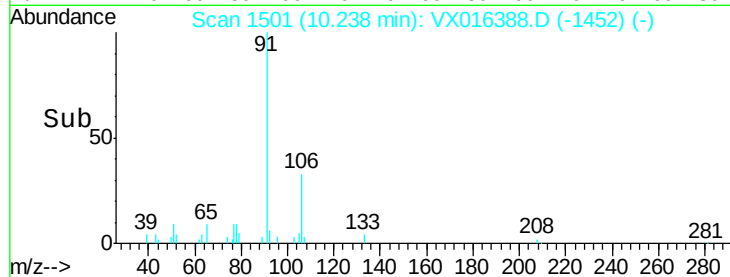
1000

500

0

Time-->

10.20 10.25 10.30



#68

m/p-Xylenes

Concen: 0.651 ug/l

RT: 10.35 min Scan# 1519

Delta R.T. 0.01 min

Lab File: VX016388.D

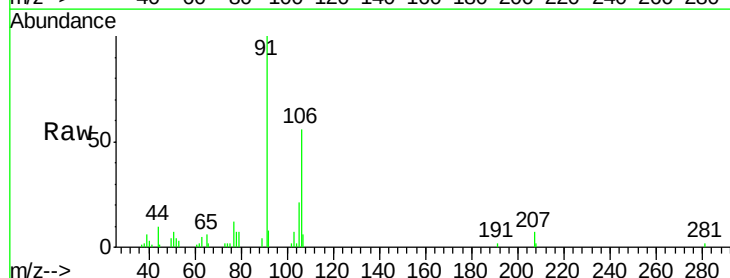
Acq: 21 May 2020 16:56

Tgt Ion: 106 Resp: 3472

Ion Ratio Lower Upper

106 100

91 196.0 161.7 242.5



Abundance Ion 106.00 (105.70 to 106.70): VX016032.D (-1511) (-)

Ion 91.00 (90.70 to 91.70): VX016032.D (-1511) (-)

10.35

5000

4000

3000

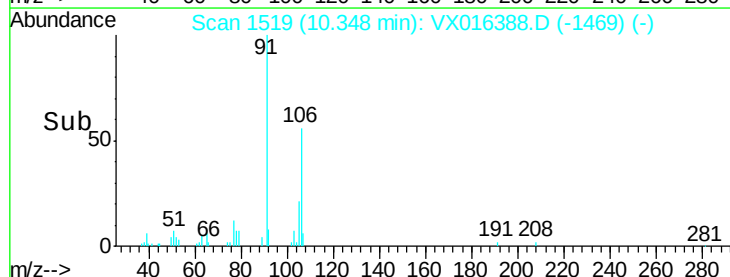
2000

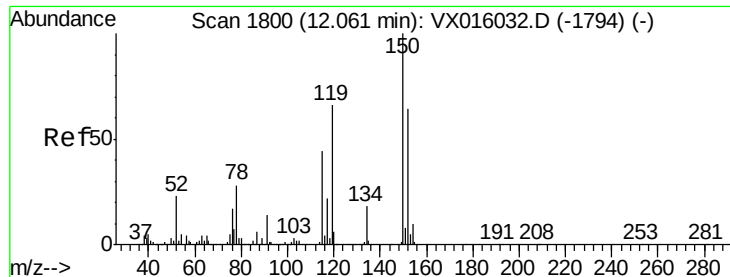
1000

0

Time-->

10.30 10.35 10.40





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016388.D

Acq: 21 May 2020 16:56

Instrument :

MSVOA_X

ClientSampleId :

WP021RW244-200520

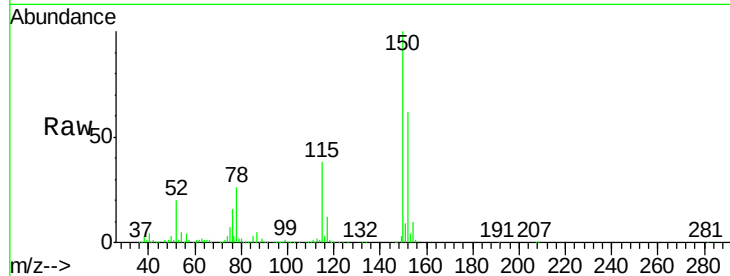
Tot Ion:152 Resp: 189101

Ion Ratio Lower Upper

152 100

115 60.0 41.3 124.1

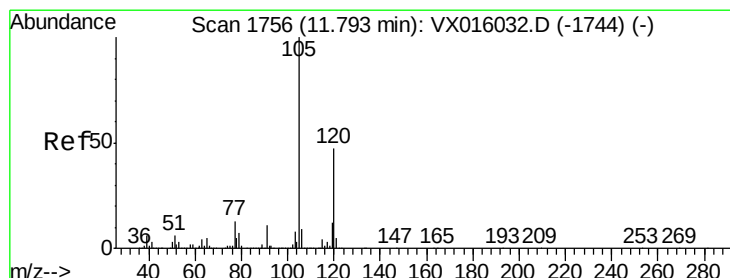
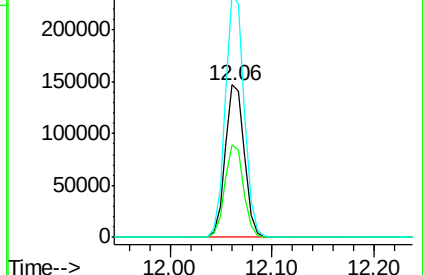
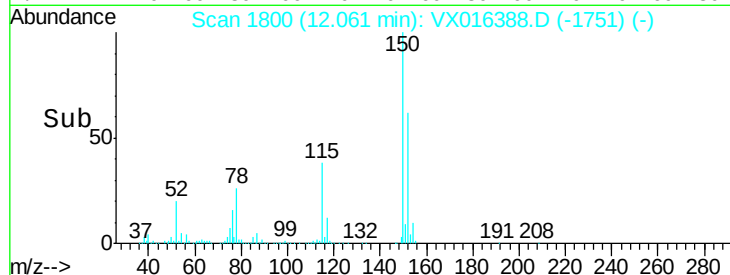
150 157.7 0.0 352.2



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



#84

1,2,4-Trimethylbenzene

Concen: 0.326 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX016388.D

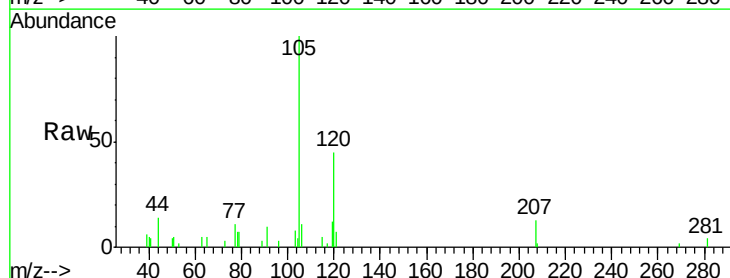
Acq: 21 May 2020 16:56

Tgt Ion:105 Resp: 3832

Ion Ratio Lower Upper

105 100

120 49.4 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

