

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050720\
 Data File : VX016091.D
 Acq On : 07 May 2020 14:10
 Operator : JC/SP
 Sample : L2543-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS038RW151-200503

Manual Integrations
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 5/8/2020 11:51:36 AM

Quant Time: May 08 04:51:03 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	299551	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	486461	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	472874	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	247933	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	183062	46.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.88%	
35) Dibromofluoromethane	5.47	113	144580	46.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.82%	
50) Toluene-d8	8.70	98	596058	50.19	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	11.12	95	238473	52.80	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	8938	2.275	ug/l	99
16) Acetone	2.42	43	3165	1.800	ug/l	93
27) cis-1,2-Dichloroethene	4.57	96	159959	42.166	ug/l	89
39) Methylcyclohexane	7.43	83	2155	0.374	ug/l #	74
40) Benzene	6.12	78	8098	0.578	ug/l	94
42) 1,2-Dichloroethane	6.17	62	1437	0.285	ug/l	78
44) Trichloroethene	7.19	130	5349	1.075	ug/l	96
45) 1,2-Dichloropropane	7.49	63	2940	0.829	ug/l #	66
64) Tetrachloroethene	9.32	164	5775	0.995	ug/l	97
65) Chlorobenzene	10.12	112	552607	55.811	ug/l	99
73) Isopropylbenzene	11.00	105	15260	0.846	ug/l	99
83) tert-Butylbenzene	11.76	119	36683	2.796	ug/l	97
85) sec-Butylbenzene	11.93	105	50408	2.845	ug/l	96
87) 1,3-Dichlorobenzene	12.01	146	2793	0.334	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	6233m	0.735	ug/l	

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

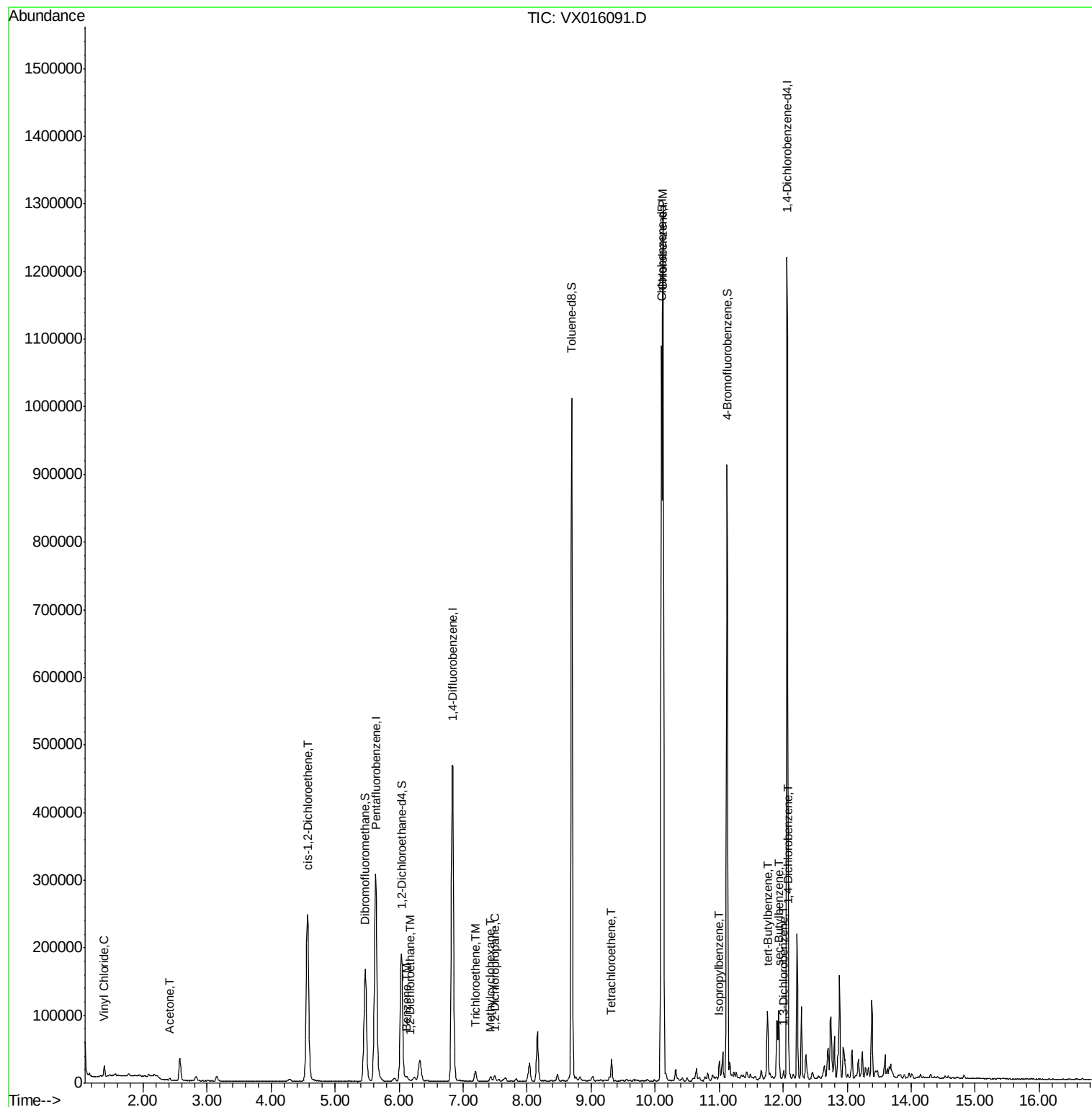
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050720\
Data File : VX016091.D
Acq On : 07 May 2020 14:10
Operator : JC/SP
Sample : L2543-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

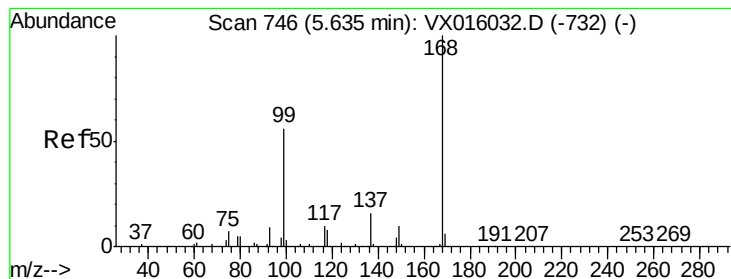
Instrument :
MSVOA_X
ClientSampleId :
SS038RW151-200503

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Quant Time: May 08 04:51:03 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016091.D

Acq: 07 May 2020 14:10

Instrument :

MSVOA_X

ClientSampleId :

SS038RW151-200503

Tot Ion:168 Resp: 299551

Ion Ratio Lower Upper

168 100

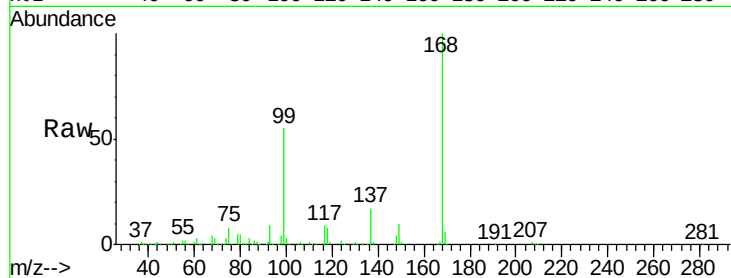
99 55.0 45.0 67.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

120000

100000

80000

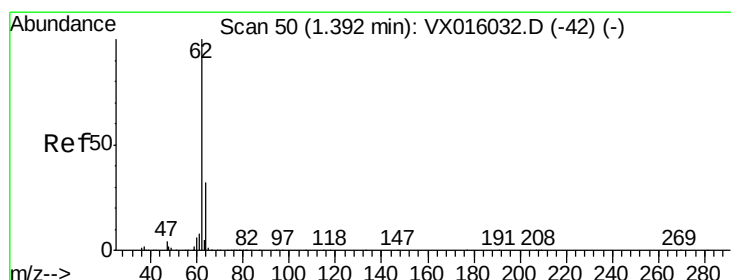
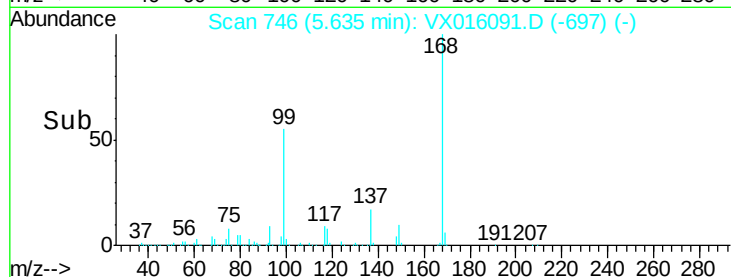
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 2.275 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016091.D

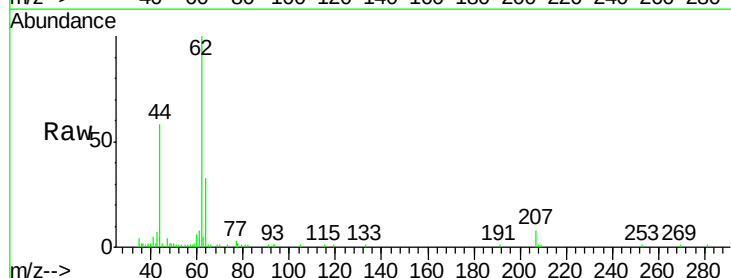
Acq: 07 May 2020 14:10

Tgt Ion: 62 Resp: 8938

Ion Ratio Lower Upper

62 100

64 32.8 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

10000

8000

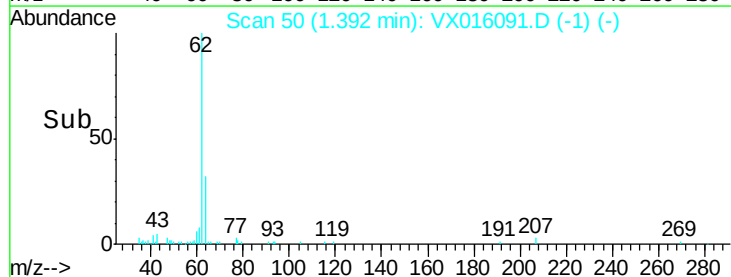
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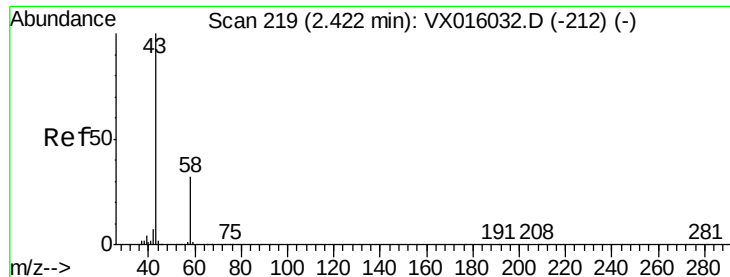
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Time-->





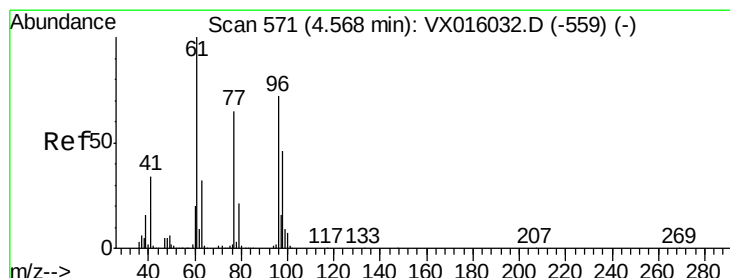
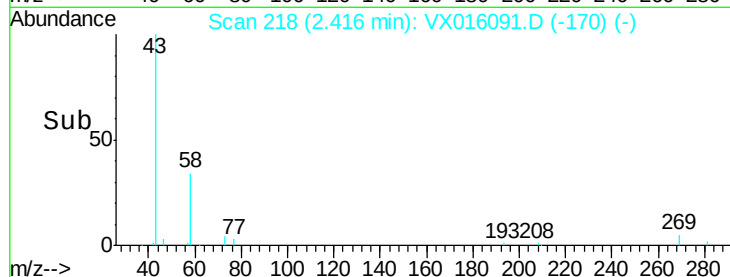
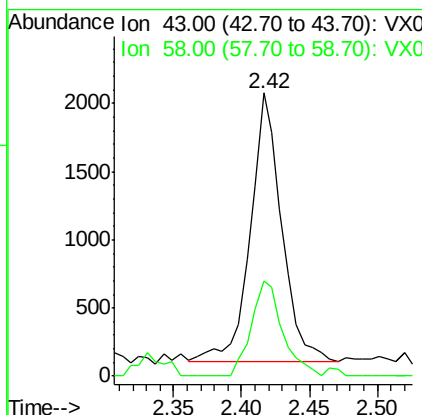
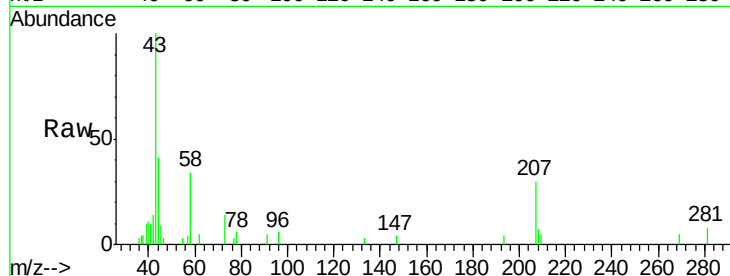
#16
Acetone
Concen: 1.800 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX016091.D
Acq: 07 May 2020 14:10

Instrument :
MSVOA_X
ClientSampleId :
SS038RW151-200503

Tot Ion: 43 Resp: 3165
Ion Ratio Lower Upper
43 100
58 35.4 25.4 38.0

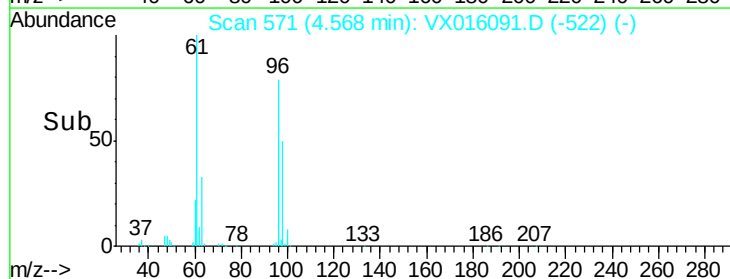
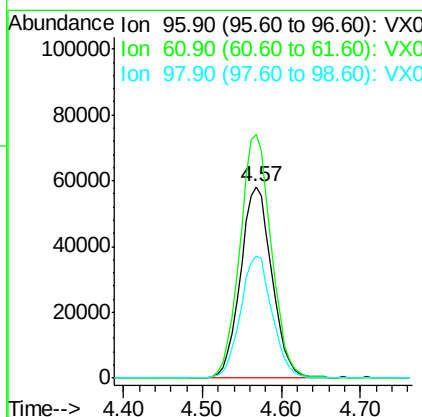
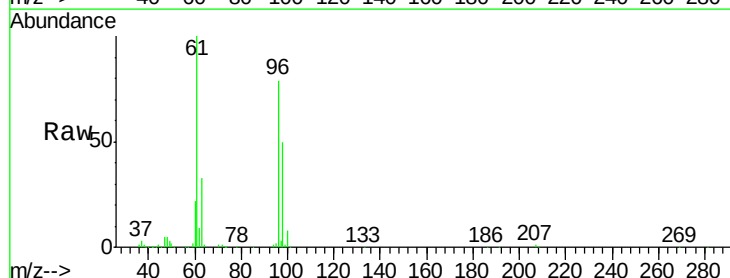
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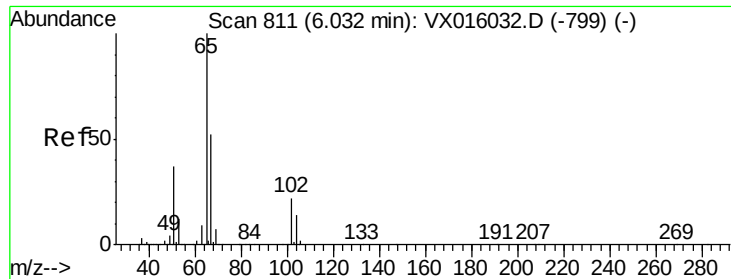
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#27
cis-1,2-Dichloroethene
Concen: 42.166 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX016091.D
Acq: 07 May 2020 14:10

Tgt Ion: 96 Resp: 159959
Ion Ratio Lower Upper
96 100
61 128.8 0.0 296.2
98 64.8 0.0 129.4





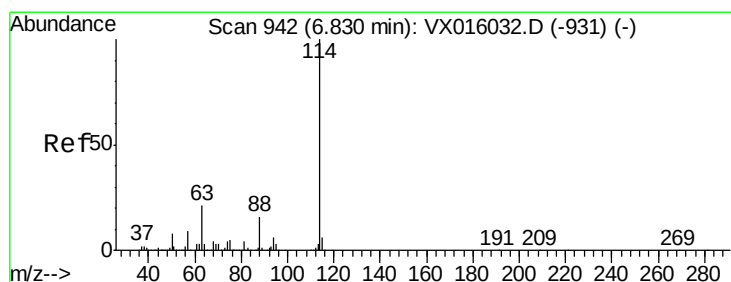
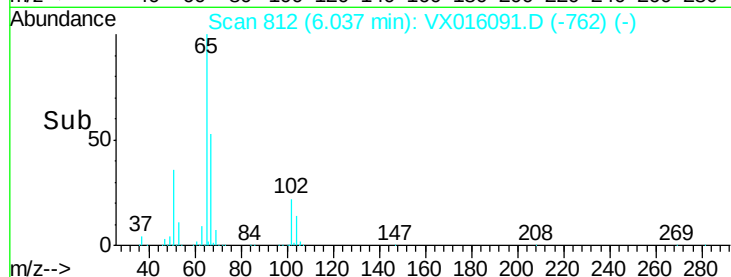
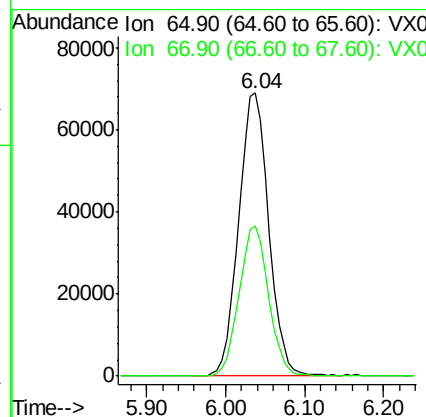
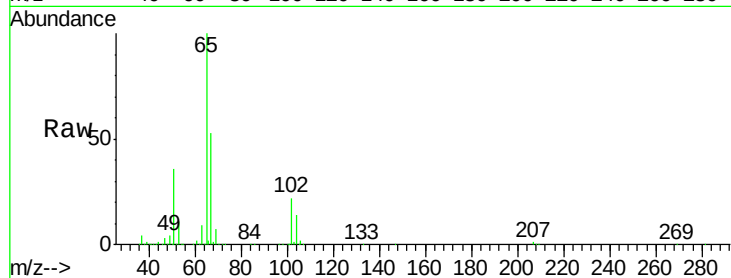
#33
 1,2-Dichloroethane-d4
 Concen: 46.441 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VX016091.D
 Acq: 07 May 2020 14:10

Instrument :
 MSVOA_X
 ClientSampleId :
 SS038RW151-200503

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.1	0.0	104.8	

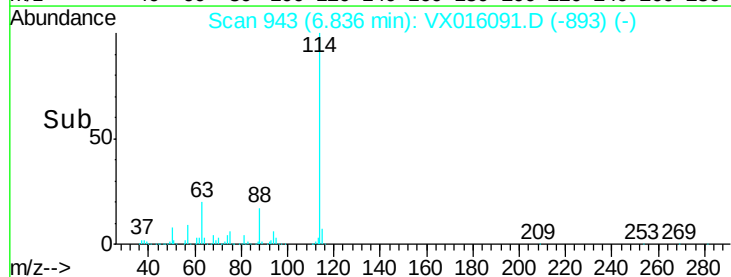
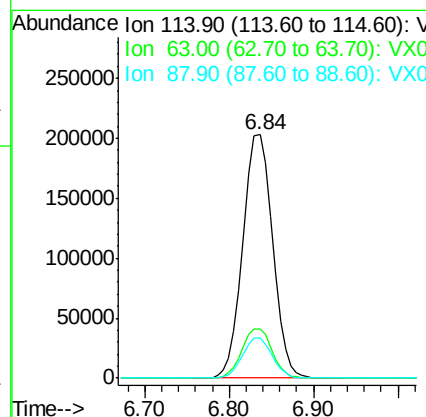
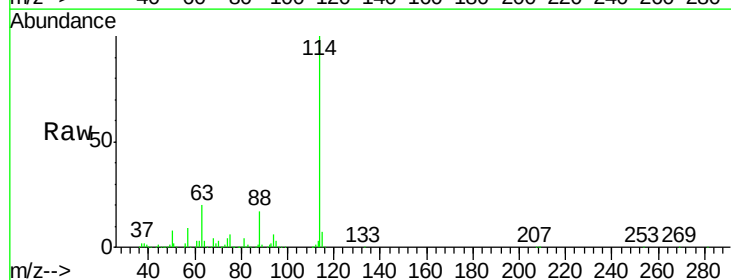
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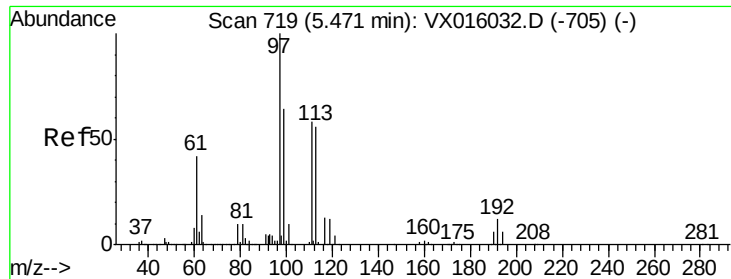
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX016091.D
 Acq: 07 May 2020 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.3	0.0	42.8	
88	16.7	0.0	31.4	





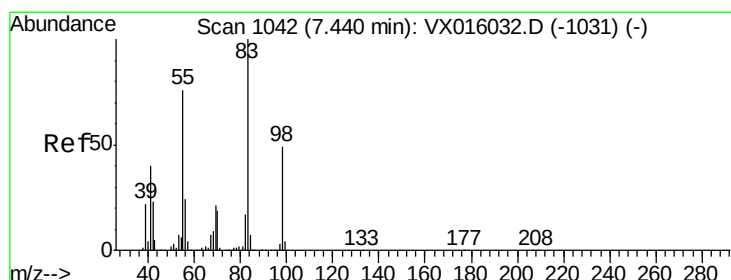
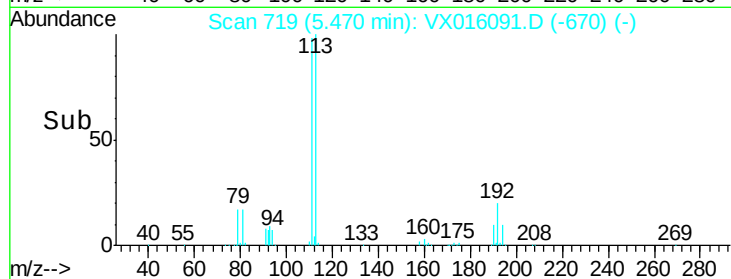
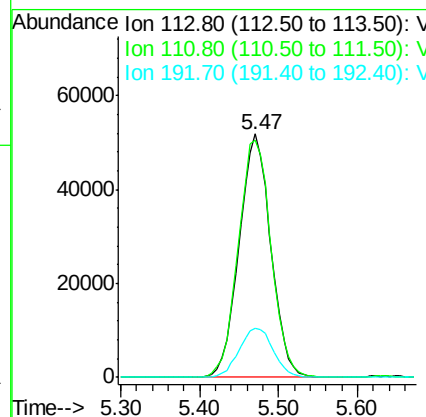
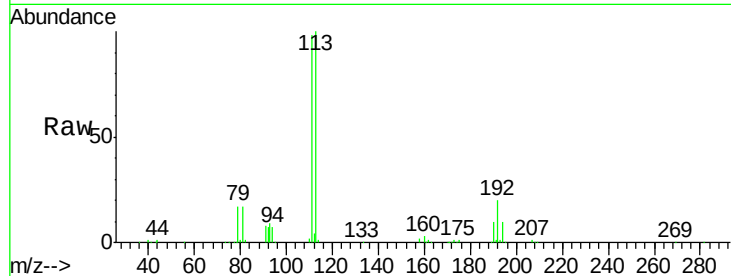
#35
Dibromofluoromethane
Concen: 46.912 ug/l
RT: 5.47 min Scan# 719
Delta R.T. -0.00 min
Lab File: VX016091.D
Acq: 07 May 2020 14:10

Instrument :
MSVOA_X
ClientSampleId :
SS038RW151-200503

Tot Ion	Ratio	Resp	Lower	Upper
113	100	144580		
111	101.4	81.6	122.4	
192	21.5	17.0	25.4	

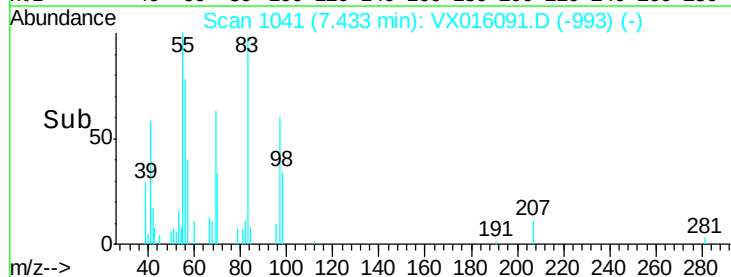
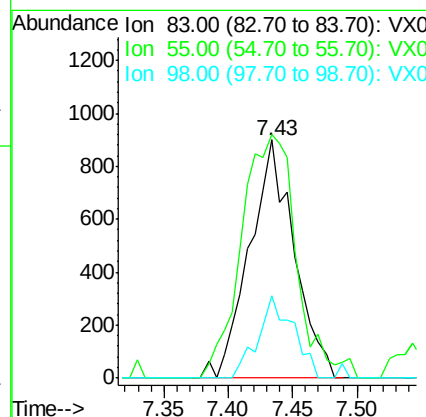
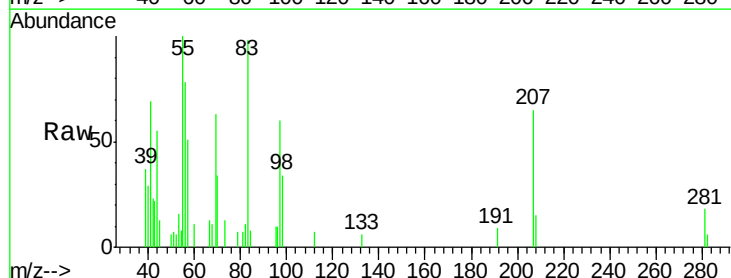
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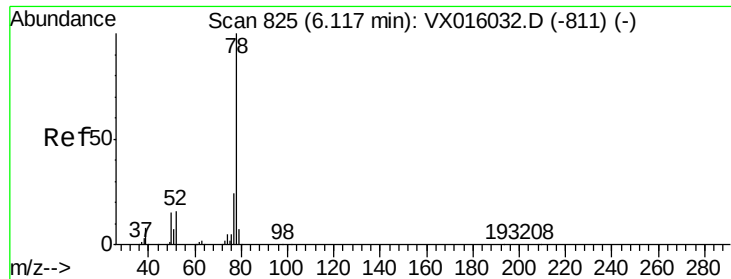
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#39
Methylcyclohexane
Concen: 0.374 ug/l
RT: 7.43 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VX016091.D
Acq: 07 May 2020 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	2155		
55	102.3	61.1	91.7#	
98	34.8	39.0	58.4#	





#40

Benzene

Concen: 0.578 ug/l

RT: 6.12 min Scan# 825

Delta R.T. -0.00 min

Lab File: VX016091.D

Acq: 07 May 2020 14:10

Instrument :

MSVOA_X

ClientSampleId :

SS038RW151-200503

Tot Ion: 78 Resp: 8098

Ion Ratio Lower Upper

78 100

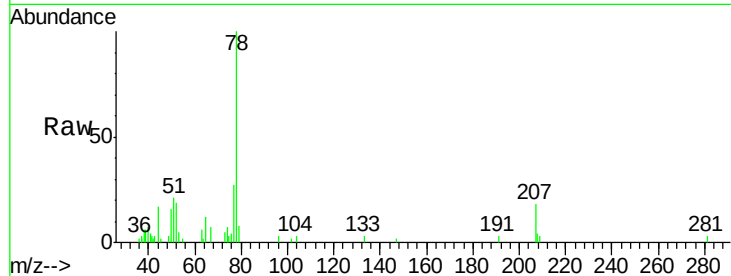
77 26.7 19.0 28.4

Manual Integrations

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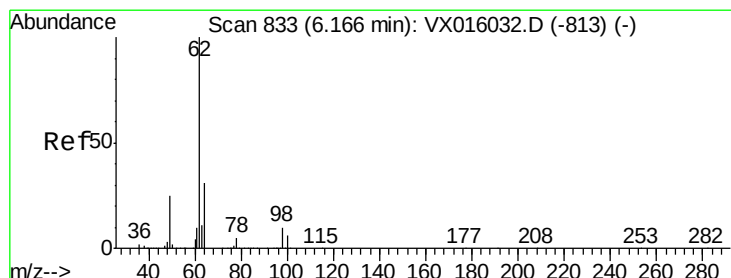
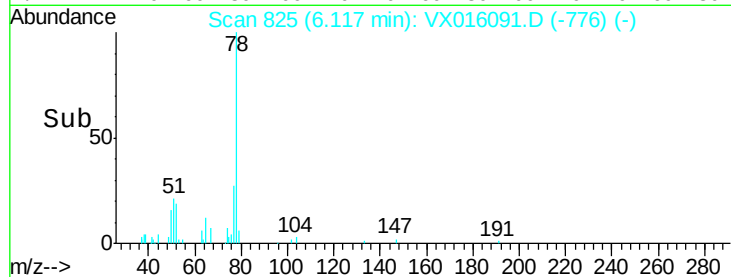
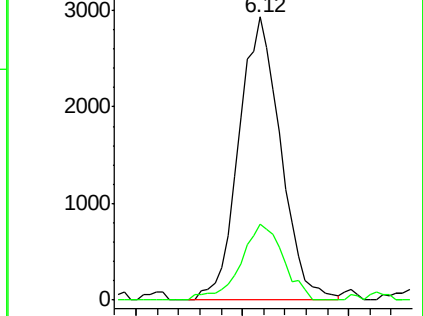
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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#42

1,2-Dichloroethane

Concen: 0.285 ug/l

RT: 6.17 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX016091.D

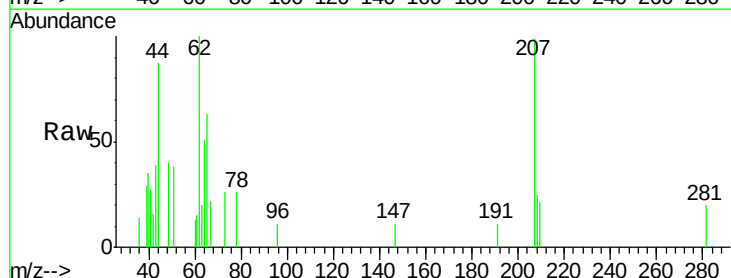
Acq: 07 May 2020 14:10

Tgt Ion: 62 Resp: 1437

Ion Ratio Lower Upper

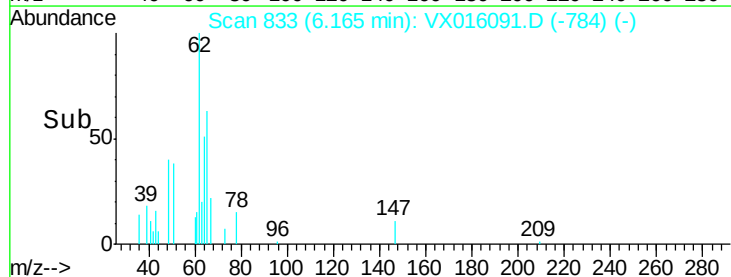
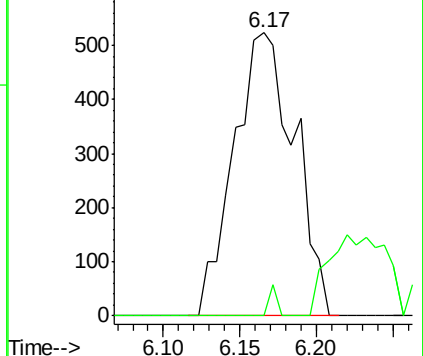
62 100

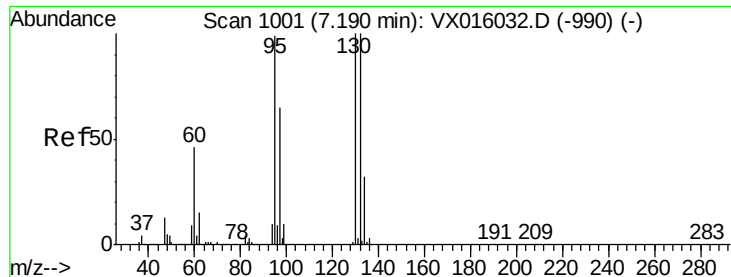
98 1.5 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#44

Trichloroethene

Concen: 1.075 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016091.D

Acq: 07 May 2020 14:10

Instrument :

MSVOA_X

ClientSampleId :

SS038RW151-200503

Tot Ion:130 Resp: 5349

Ion Ratio Lower Upper

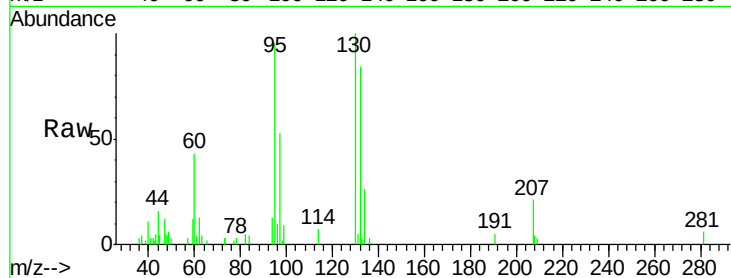
130 100

95 94.5 0.0 197.4

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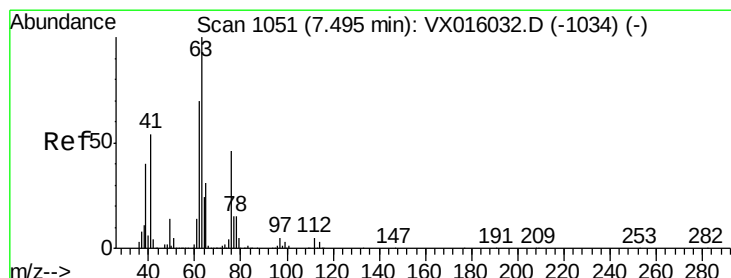
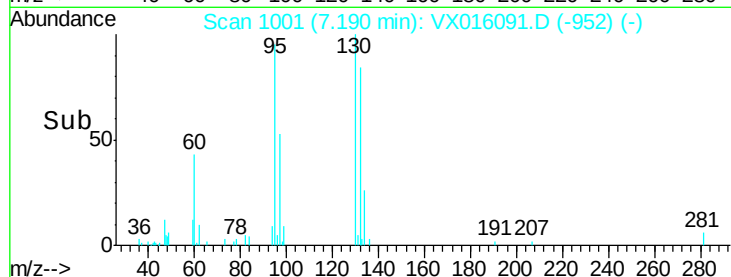
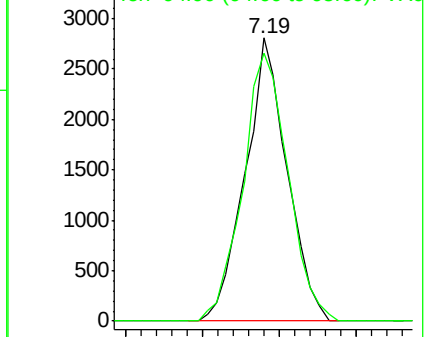
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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#45

1,2-Dichloropropane

Concen: 0.829 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VX016091.D

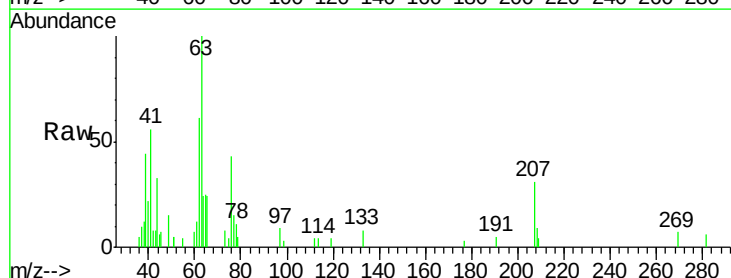
Acq: 07 May 2020 14:10

Tgt Ion: 63 Resp: 2940

Ion Ratio Lower Upper

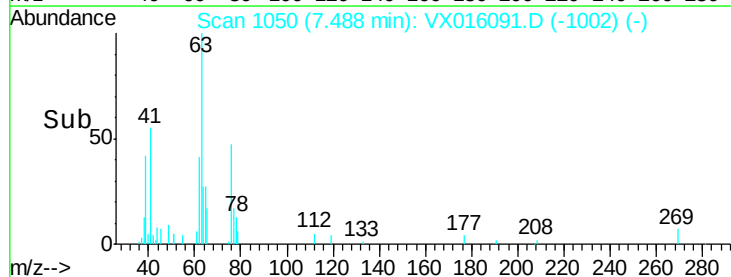
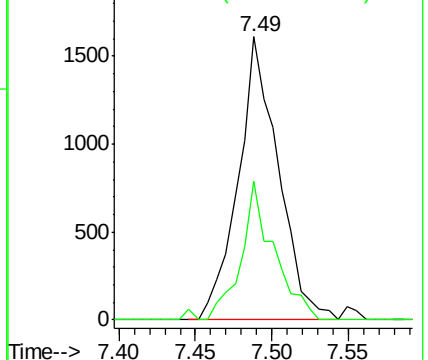
63 100

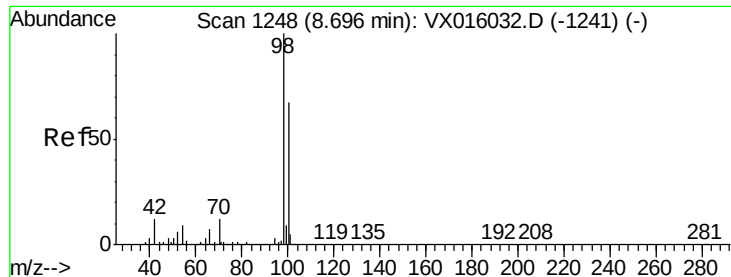
65 48.9 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0





#50

Toluene-d8

Concen: 50.195 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016091.D

Acq: 07 May 2020 14:10

Instrument :

MSVOA_X

ClientSampleId :

SS038RW151-200503

Tot Ion: 98 Resp: 596058

Ion Ratio Lower Upper

98 100

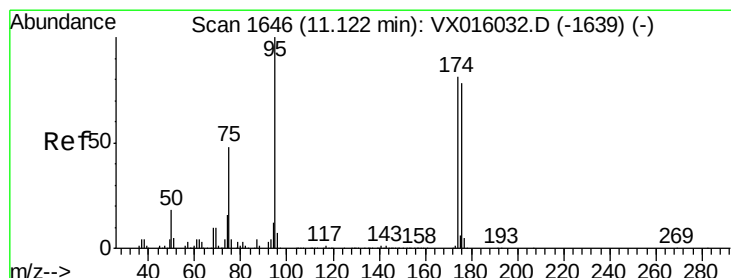
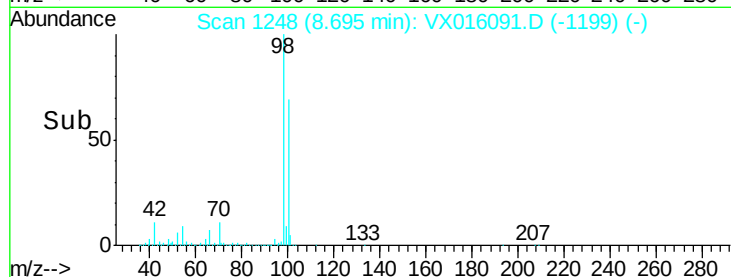
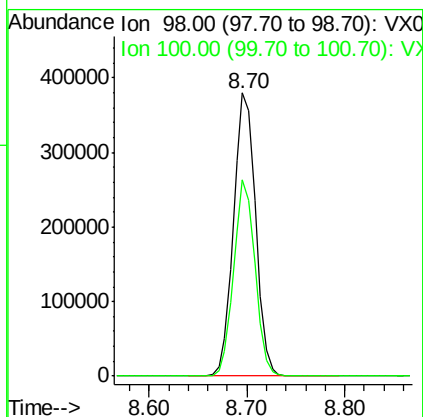
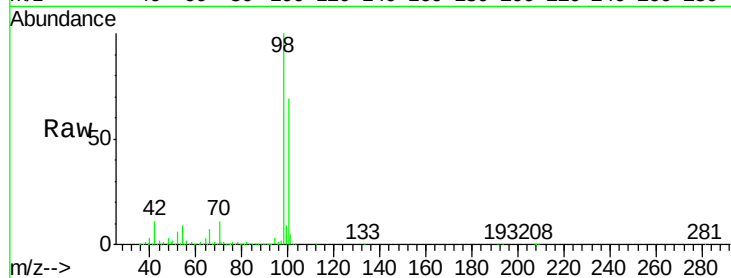
100 66.9 53.7 80.5

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#62

4-Bromofluorobenzene

Concen: 52.799 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016091.D

Acq: 07 May 2020 14:10

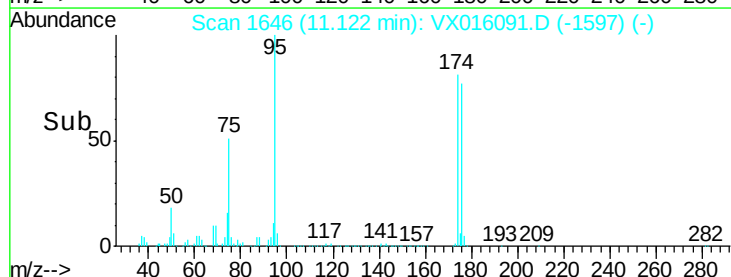
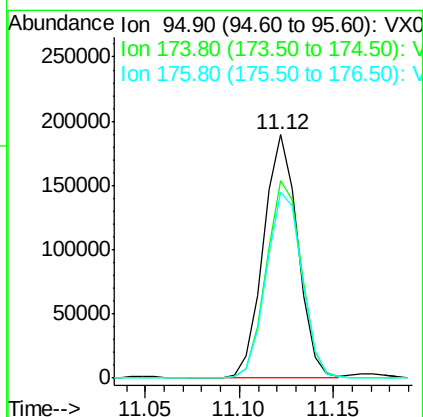
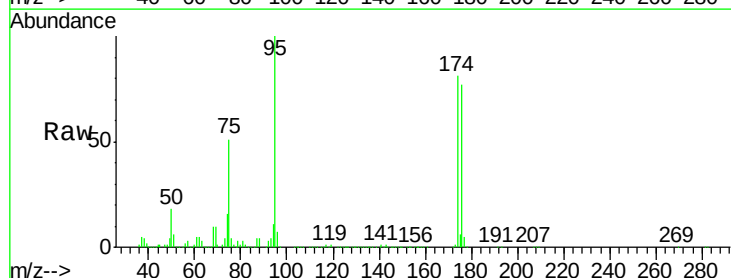
Tgt Ion: 95 Resp: 238473

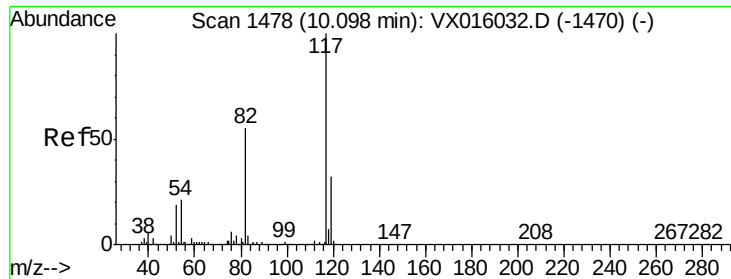
Ion Ratio Lower Upper

95 100

174 83.4 0.0 159.4

176 79.6 0.0 157.6





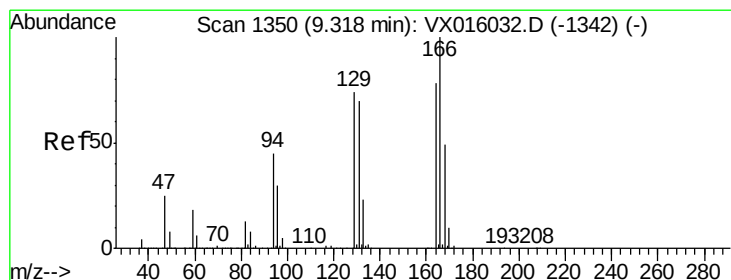
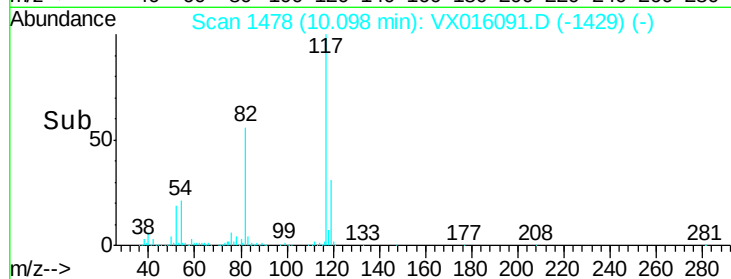
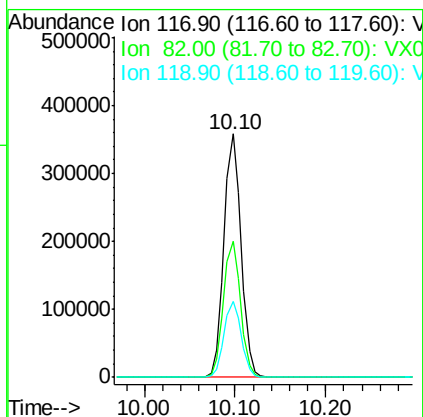
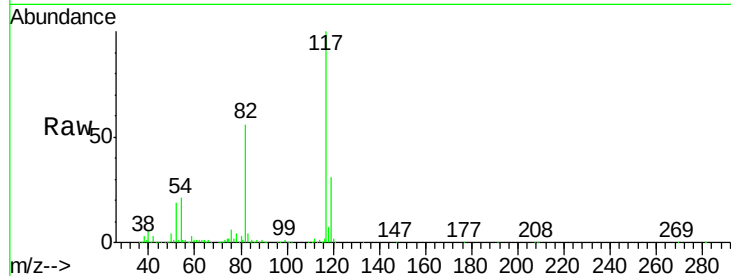
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016091.D
Acq: 07 May 2020 14:10

Instrument :
MSVOA_X
ClientSampleId :
SS038RW151-200503

Tot Ion	Ratio	Resp	Lower	Upper
117	100	472874		
82	55.8		44.4	66.6
119	31.3		25.5	38.3

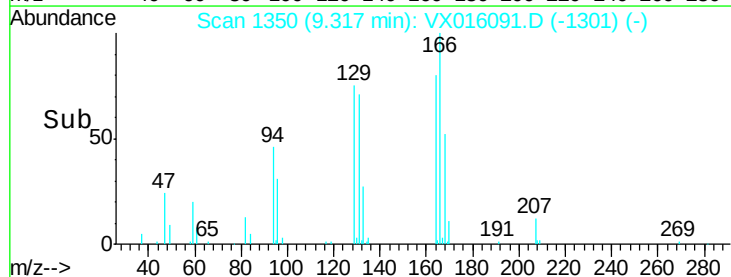
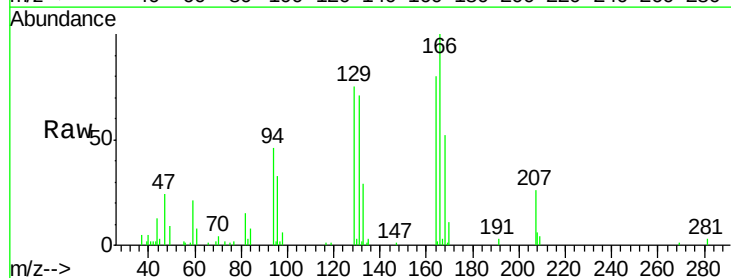
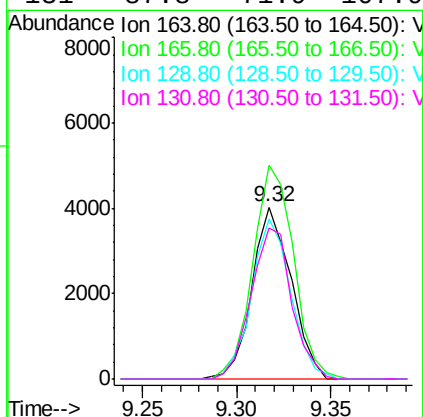
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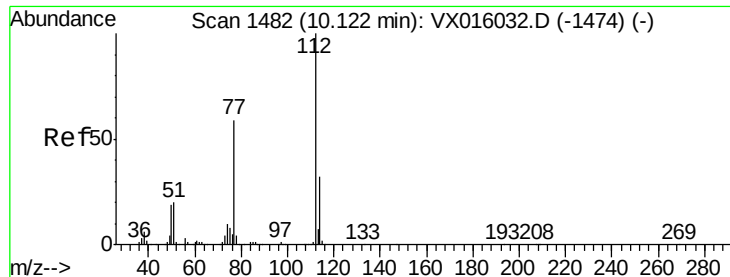
MMDadoda
5/8/2020 11:51:36 AM



#64
Tetrachloroethene
Concen: 0.995 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016091.D
Acq: 07 May 2020 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	5775		
166	124.4		102.9	154.3
129	93.2		76.1	114.1
131	87.8		71.9	107.9





#65

Chlorobenzene

Concen: 55.811 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016091.D

Acq: 07 May 2020 14:10

Instrument :

MSVOA_X

ClientSampleId :

SS038RW151-200503

Tot Ion:112 Resp: 552607

Ion Ratio Lower Upper

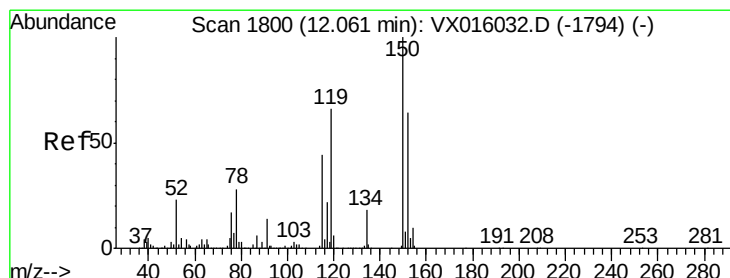
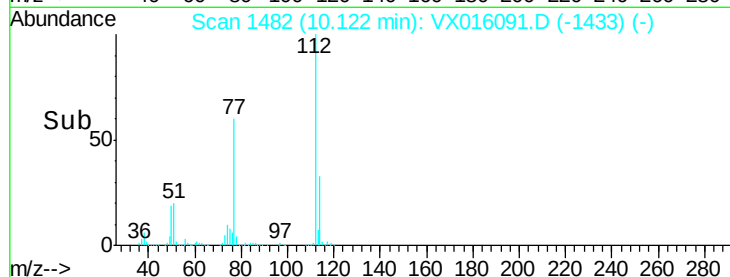
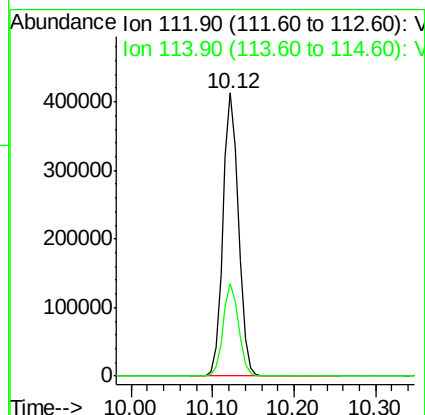
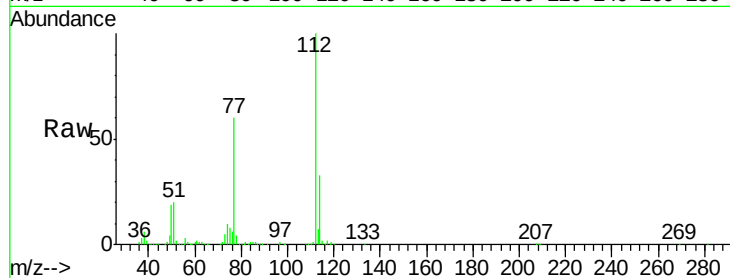
112 100

114 32.6 25.7 38.5

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016091.D

Acq: 07 May 2020 14:10

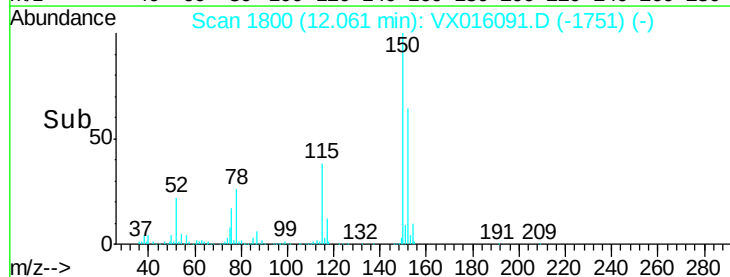
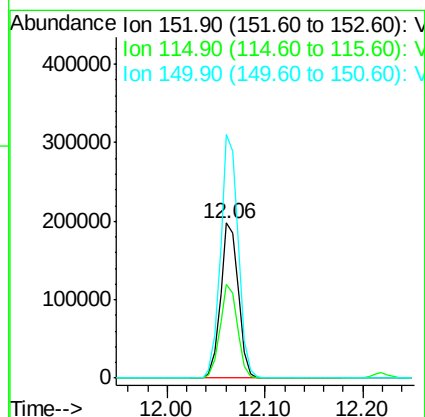
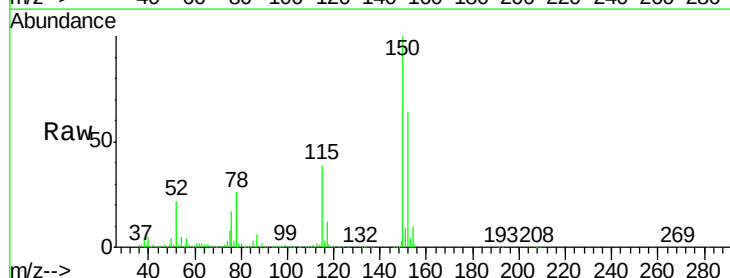
Tgt Ion:152 Resp: 247933

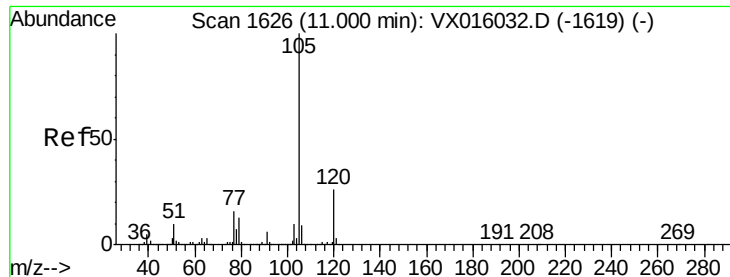
Ion Ratio Lower Upper

152 100

115 59.1 41.3 124.1

150 155.6 0.0 352.2





#73

Isopropylbenzene

Concen: 0.846 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX016091.D

Acq: 07 May 2020 14:10

Instrument :

MSVOA_X

ClientSampleId :

SS038RW151-200503

Tot Ion:105 Resp: 15260

Ion Ratio Lower Upper

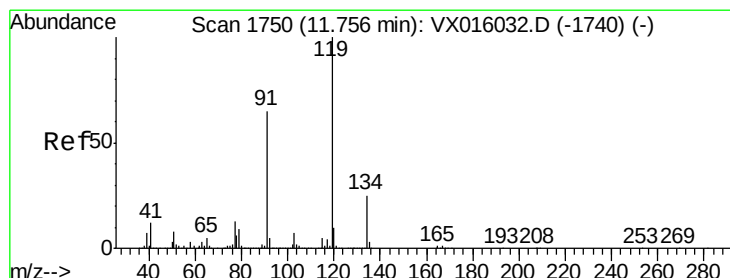
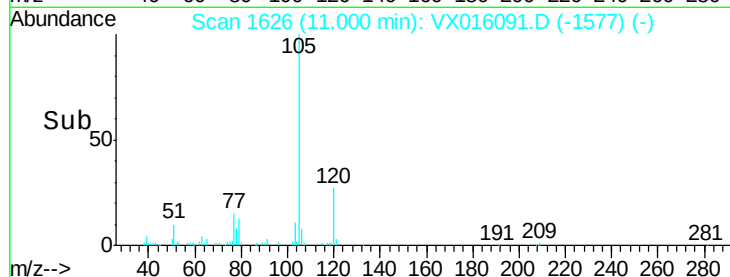
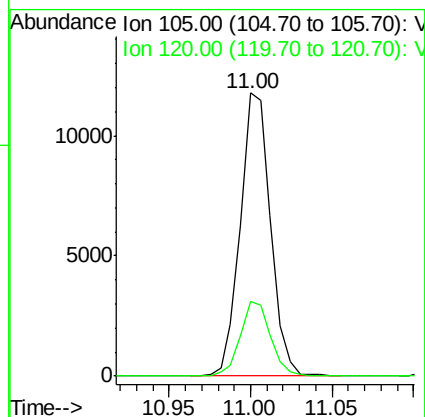
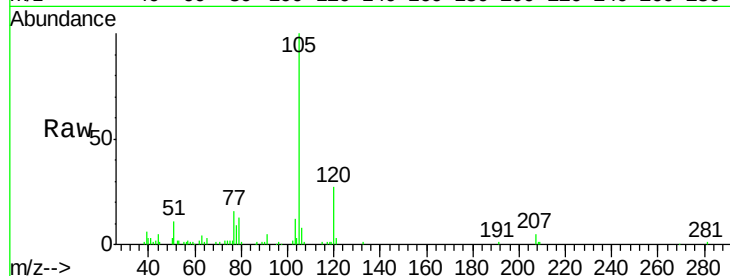
105 100

120 26.2 13.4 40.2

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#83

tert-Butylbenzene

Concen: 2.796 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX016091.D

Acq: 07 May 2020 14:10

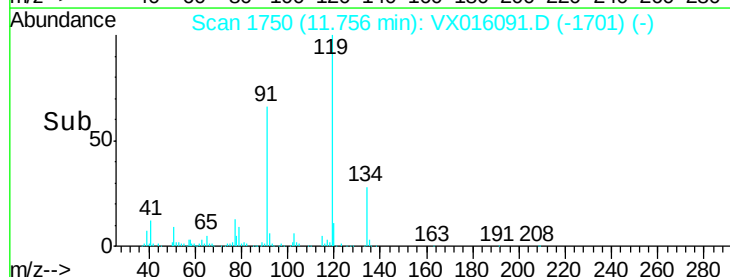
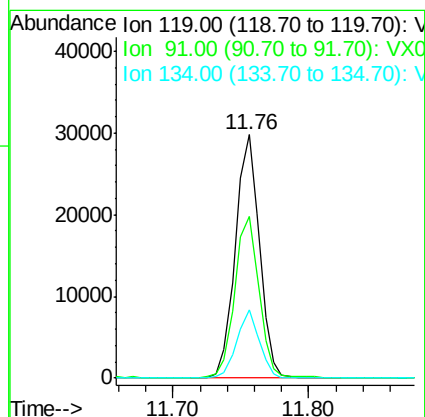
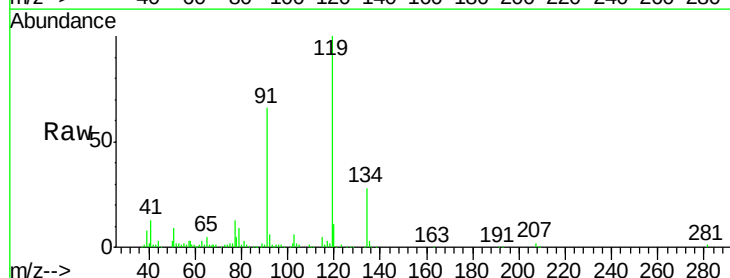
Tgt Ion:119 Resp: 36683

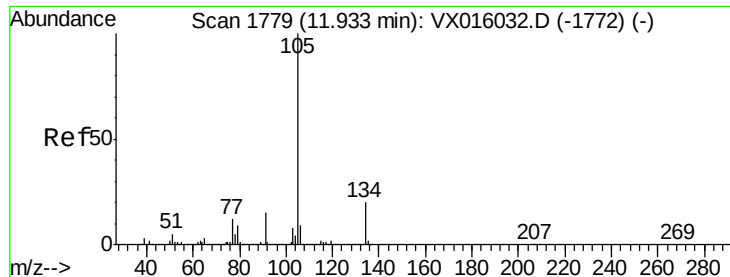
Ion Ratio Lower Upper

119 100

91 68.3 32.8 98.4

134 26.3 12.4 37.0





#85

sec-Butylbenzene

Concen: 2.845 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX016091.D

Acq: 07 May 2020 14:10

Instrument :

MSVOA_X

ClientSampleId :

SS038RW151-200503

Tot Ion:105 Resp: 50408

Ion Ratio Lower Upper

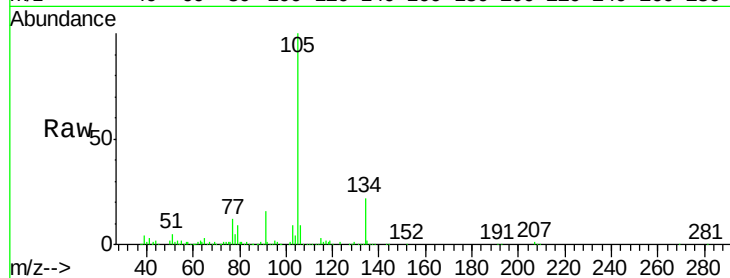
105 100

134 18.4 10.1 30.3

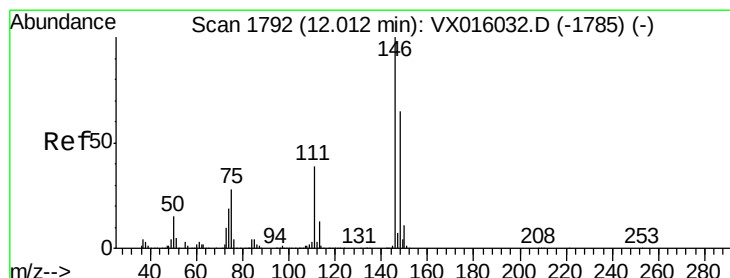
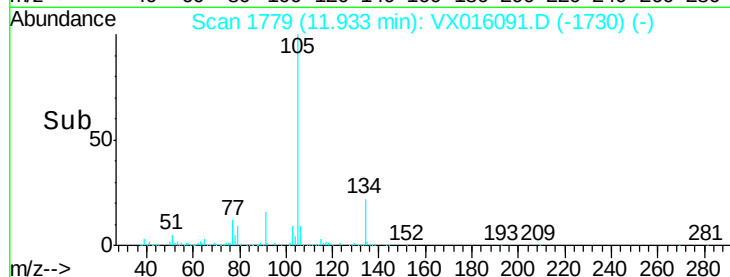
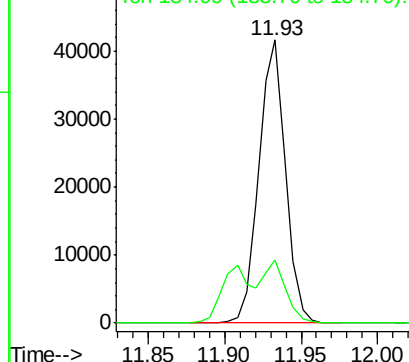
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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#87

1,3-Dichlorobenzene

Concen: 0.334 ug/l

RT: 12.01 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX016091.D

Acq: 07 May 2020 14:10

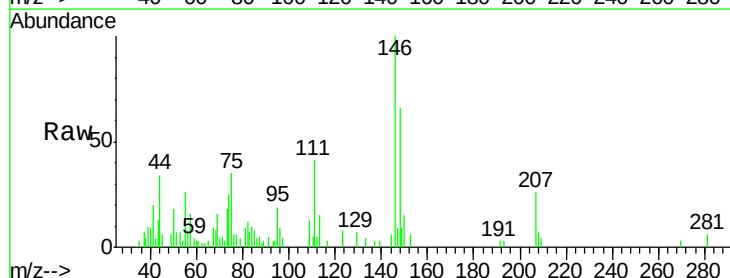
Tgt Ion:146 Resp: 2793

Ion Ratio Lower Upper

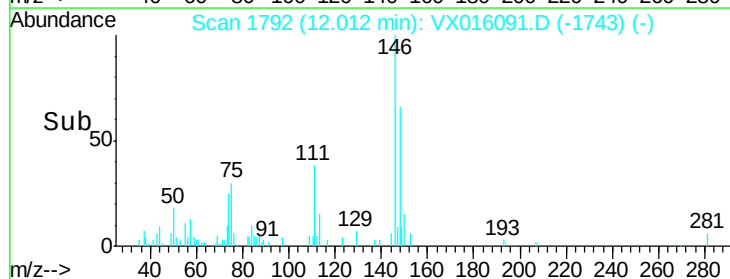
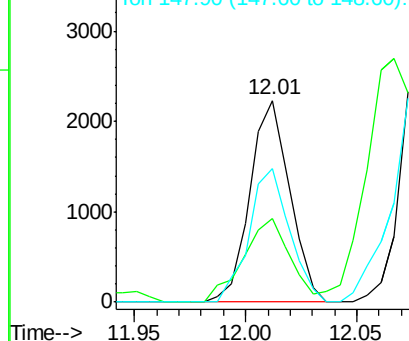
146 100

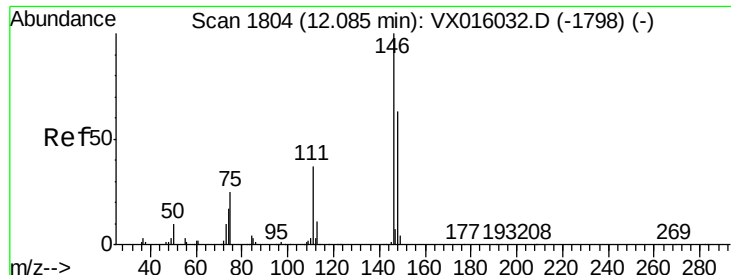
111 48.4 20.2 60.6

148 67.3 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: 0.735 ug/l m
 RT: 12.09 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VX016091.D
 Acq: 07 May 2020 14:10

Instrument :
 MSVOA_X
 ClientSampleId :
 SS038RW151-200503

Tot Ion	Ratio	Lower	Upper
146	100		
111	21.7	19.6	58.7
148	30.2	31.8	95.3

Manual Integrations
 APPROVED

MMDadoda
 5/8/2020 11:51:36 AM

