

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041520\
 Data File : VX015686.D
 Acq On : 15 Apr 2020 16:23
 Operator : JC/SP
 Sample : L2233-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW153-200408

Manual Integrations
 APPROVED

MMDadoda
 4/16/2020 11:03:30 AM

Quant Time: Apr 16 07:06:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1087241	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1686592	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1607356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	892391	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	659012	42.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.96%	
35) Dibromofluoromethane	5.47	113	517364	47.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.98%	
50) Toluene-d8	8.70	98	2006551	50.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.10%	
62) 4-Bromofluorobenzene	11.12	95	848307	52.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.18%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.39	62	3740	0.334	ug/l #	86
17) Carbon Disulfide	2.55	76	14180	0.453	ug/l #	84
27) cis-1,2-Dichloroethene	4.57	96	364293	27.640	ug/l	89
44) Trichloroethene	7.19	130	16152	1.301	ug/l	82
64) Tetrachloroethene	9.32	164	8574	0.707	ug/l	90
68) m/p-Xylenes	10.34	106	4690	0.222	ug/l	86
87) 1,3-Dichlorobenzene	12.01	146	6761	0.242	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	8327m	0.293	ug/l	
89) n-Butylbenzene	12.37	91	13069	0.276	ug/l	94
93) 1,2,4-Trichlorobenzene	13.63	180	9567	0.443	ug/l	94
94) Hexachlorobutadiene	13.76	225	6519	0.634	ug/l	99
95) Naphthalene	13.82	128	16743	0.254	ug/l #	93
96) 1,2,3-Trichlorobenzene	14.00	180	8419	0.405	ug/l	90

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

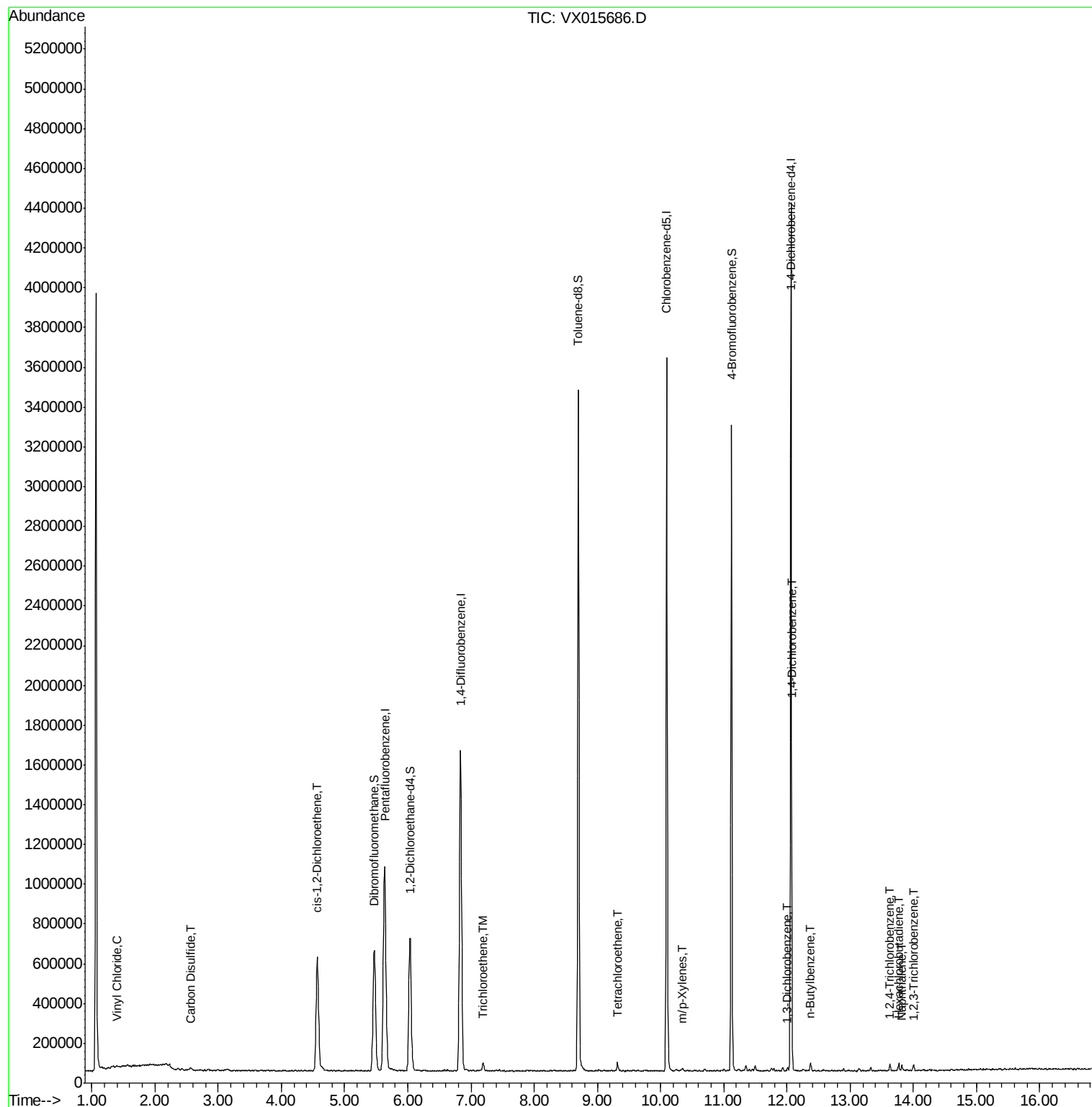
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041520\
Data File : VX015686.D
Acq On : 15 Apr 2020 16:23
Operator : JC/SP
Sample : L2233-13
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ALS Vial : 14 Sample Multiplier: 1

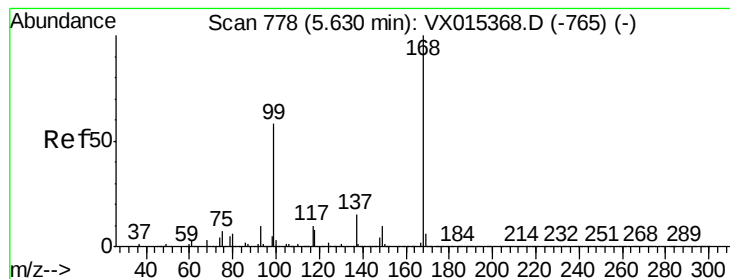
Instrument :
MSVOA_X
ClientSampleId :
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Quant Time: Apr 16 07:06:04 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015686.D

Acq: 15 Apr 2020 16:23

Instrument :

MSVOA_X

ClientSampleId :

ST008MW153-200408

Tot Ion:168 Resp: 1087241

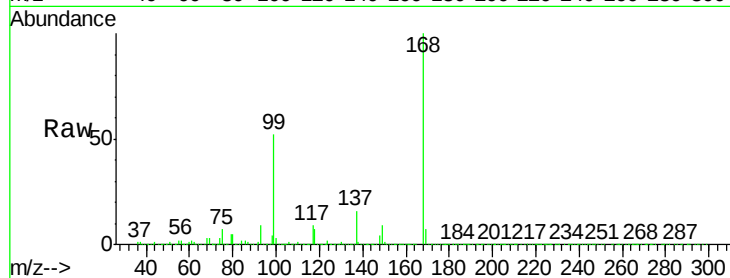
Ion Ratio Lower Upper

168 100

99 52.3 46.4 69.6

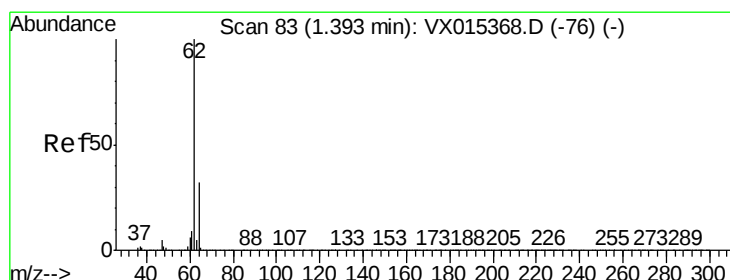
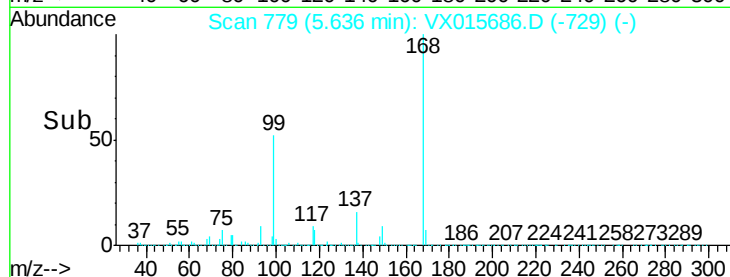
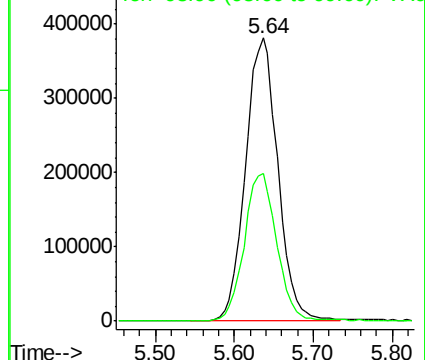
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 0.334 ug/l

RT: 1.39 min Scan# 83

Delta R.T. 0.00 min

Lab File: VX015686.D

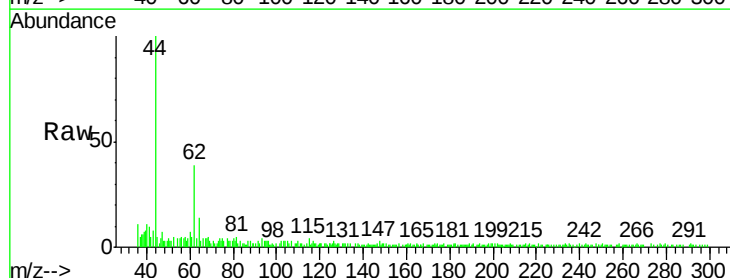
Acq: 15 Apr 2020 16:23

Tgt Ion: 62 Resp: 3740

Ion Ratio Lower Upper

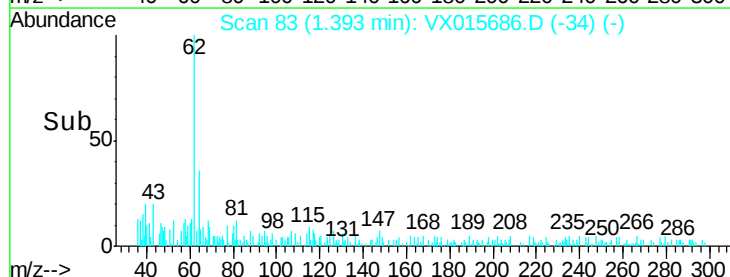
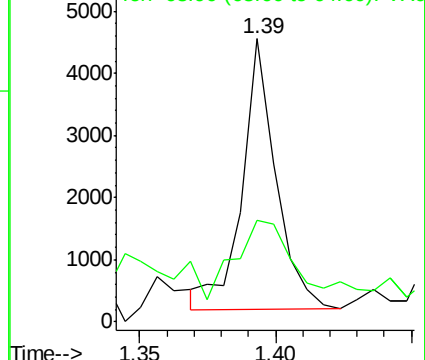
62 100

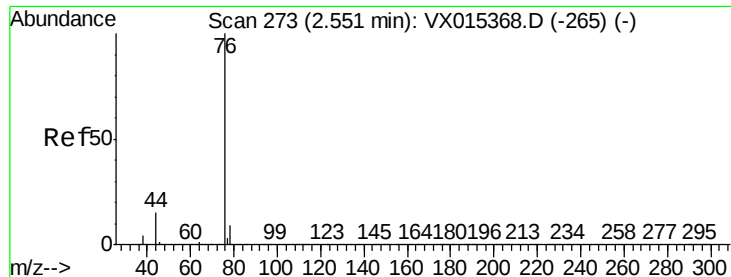
64 24.6 26.0 39.0#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#17

Carbon Disulfide

Concen: 0.453 ug/l

RT: 2.55 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX015686.D

Acq: 15 Apr 2020 16:23

Instrument :

MSVOA_X

ClientSampleId :

ST008MW153-200408

Tot Ion: 76 Resp: 14180

Ion Ratio Lower Upper

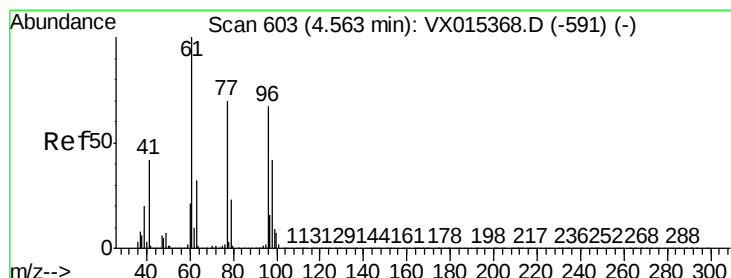
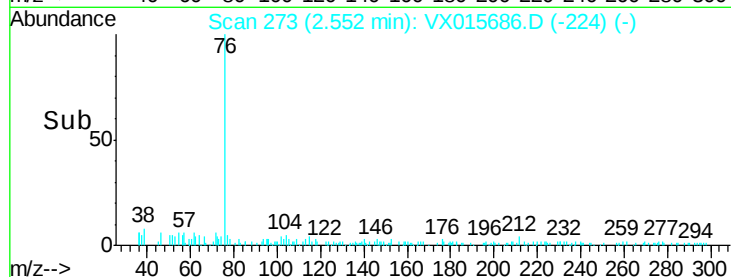
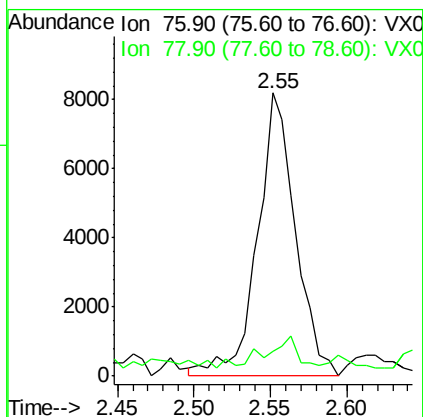
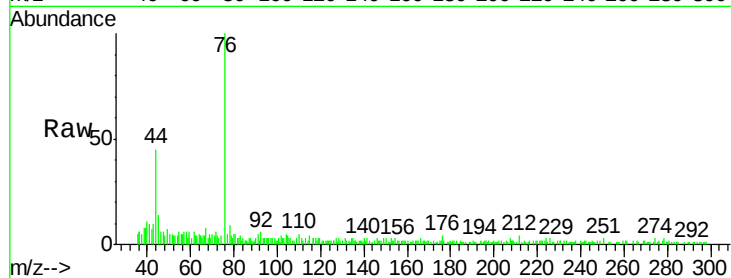
76 100

78 3.2 7.1 10.7#

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#27

cis-1,2-Dichloroethene

Concen: 27.640 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX015686.D

Acq: 15 Apr 2020 16:23

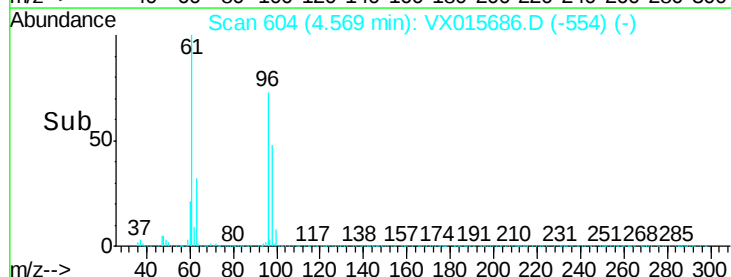
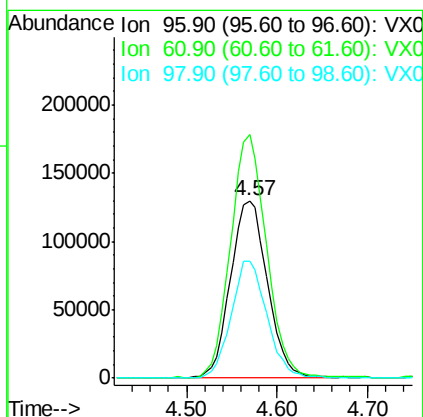
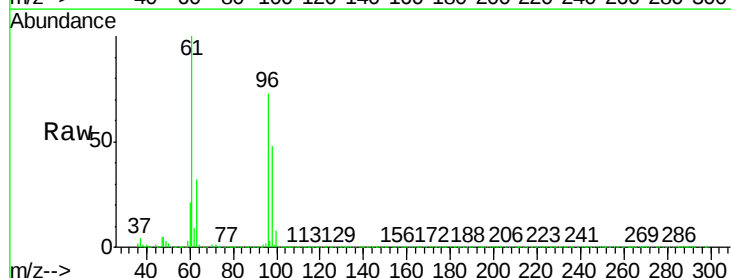
Tgt Ion: 96 Resp: 364293

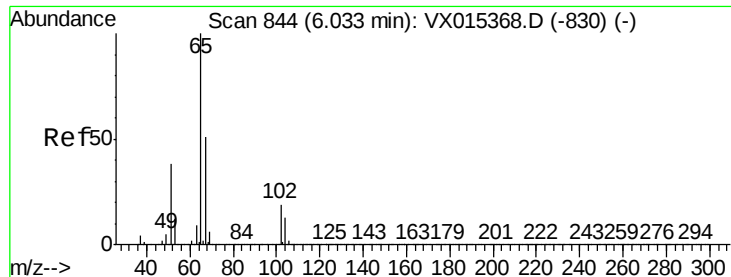
Ion Ratio Lower Upper

96 100

61 134.6 0.0 308.4

98 63.8 0.0 129.2





#33

1,2-Dichloroethane-d4

Concen: 42.976 ug/l

RT: 6.03 min Scan# 844

Delta R.T. 0.00 min

Lab File: VX015686.D

Acq: 15 Apr 2020 16:23

Instrument :

MSVOA_X

ClientSampleId :

ST008MW153-200408

Tot Ion: 65 Resp: 659012

Ion Ratio Lower Upper

65 100

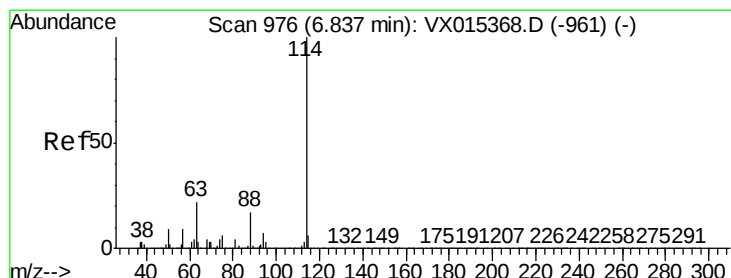
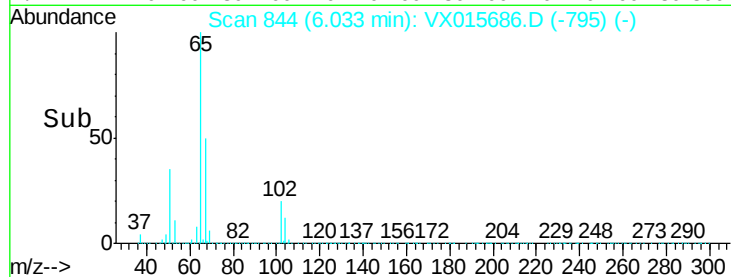
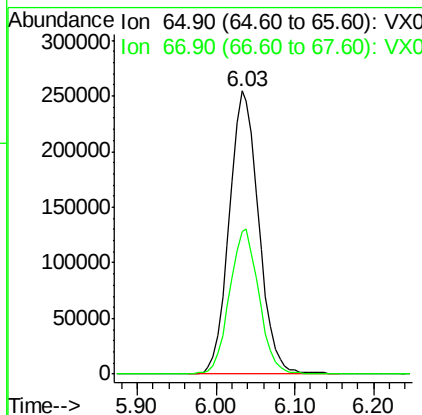
67 51.0 0.0 102.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015686.D

Acq: 15 Apr 2020 16:23

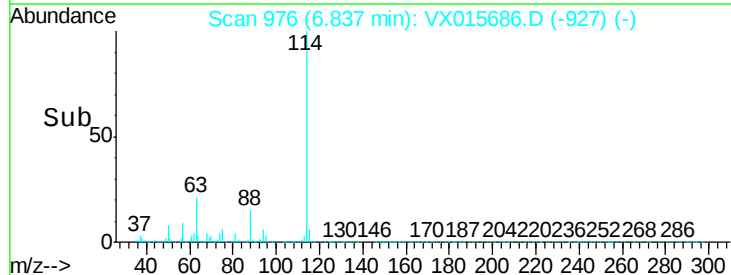
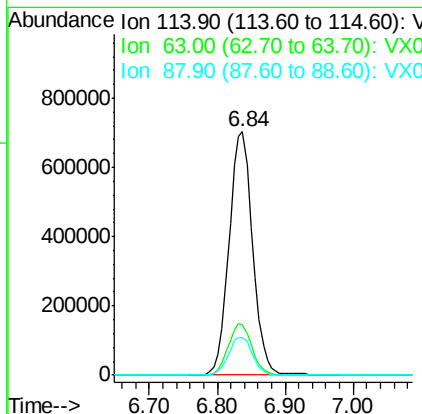
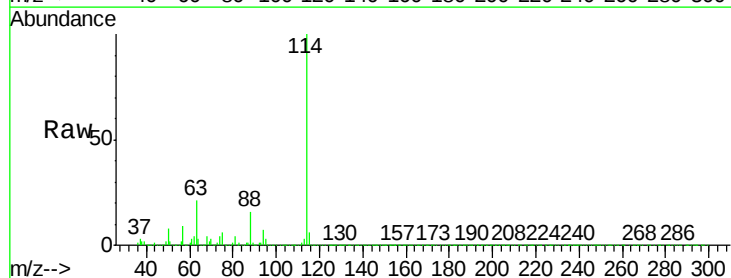
Tgt Ion: 114 Resp: 1686592

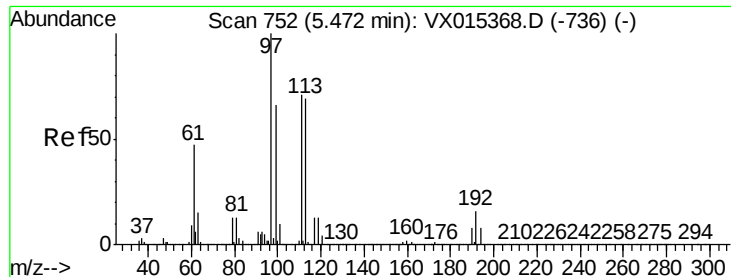
Ion Ratio Lower Upper

114 100

63 20.8 0.0 44.2

88 15.5 0.0 33.8





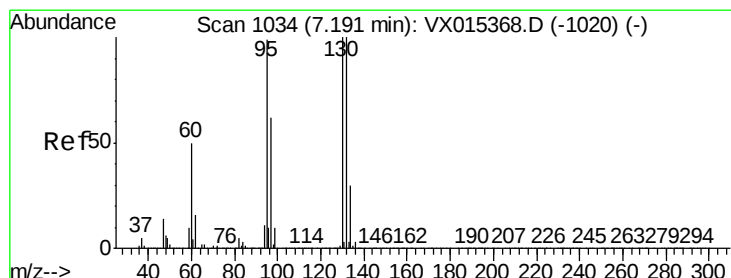
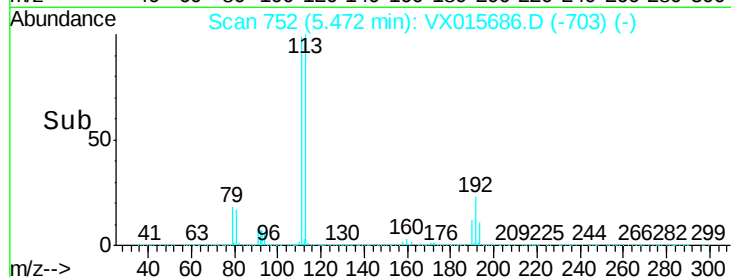
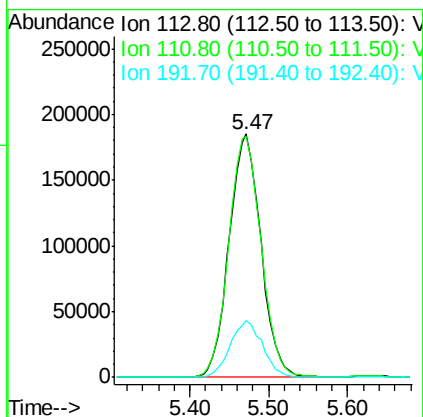
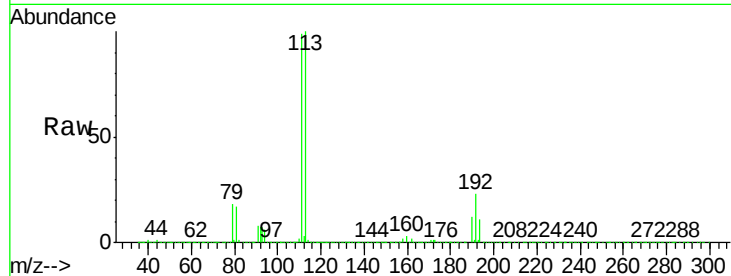
#35
Dibromofluoromethane
Concen: 47.988 ug/l
RT: 5.47 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX015686.D
Acq: 15 Apr 2020 16:23

Instrument :
MSVOA_X
ClientSampleId :
ST008MW153-200408

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.5	122.3
192	23.9	17.8	26.6

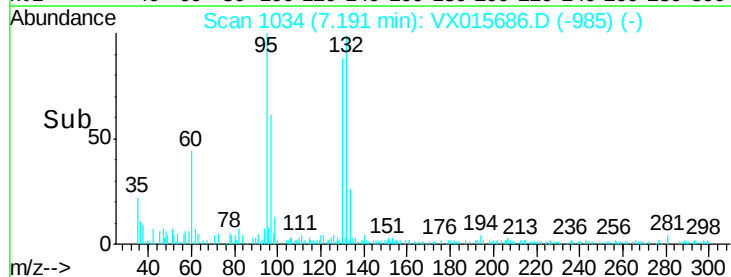
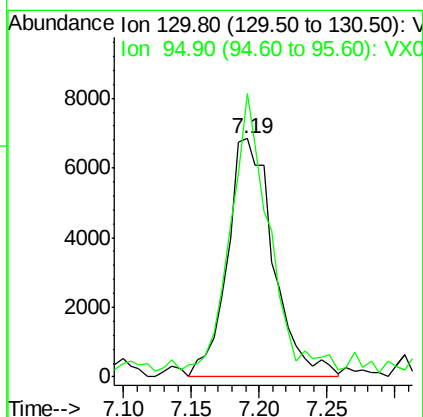
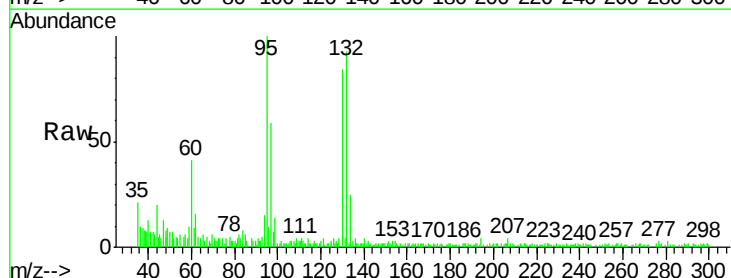
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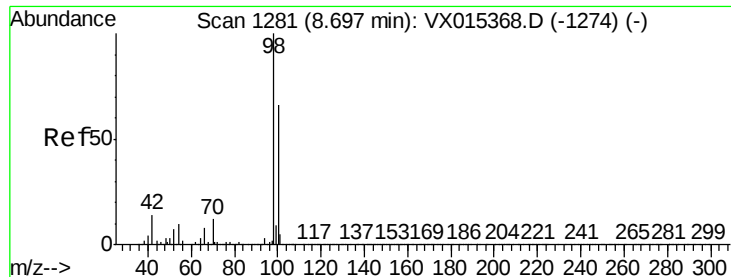
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#44
Trichloroethene
Concen: 1.301 ug/l
RT: 7.19 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX015686.D
Acq: 15 Apr 2020 16:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	117.5	0.0	199.0





#50

Toluene-d8

Concen: 50.551 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015686.D

Acq: 15 Apr 2020 16:23

Instrument :

MSVOA_X

ClientSampleId :

ST008MW153-200408

Tot Ion: 98 Resp: 2006551

Ion Ratio Lower Upper

98 100

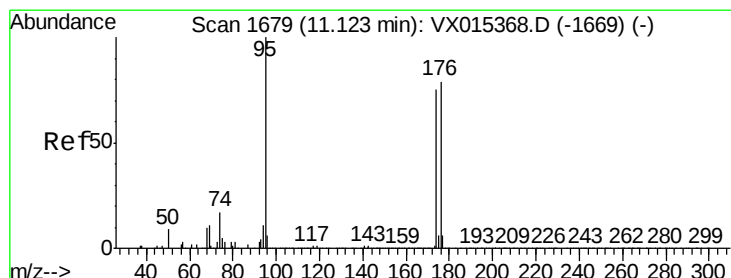
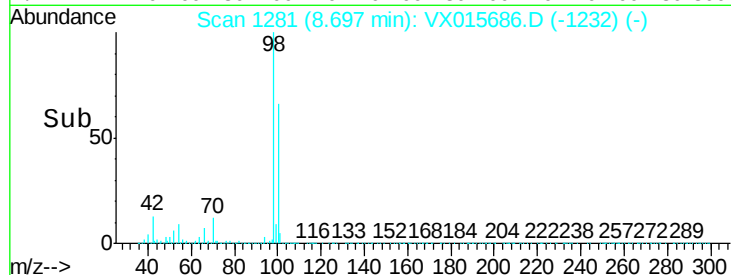
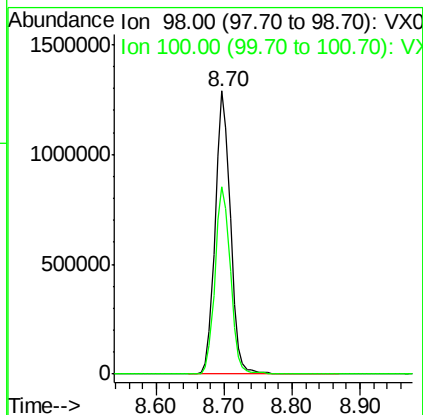
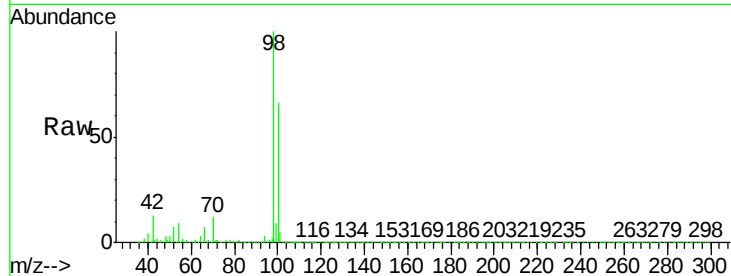
100 67.2 53.5 80.3

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 52.587 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015686.D

Acq: 15 Apr 2020 16:23

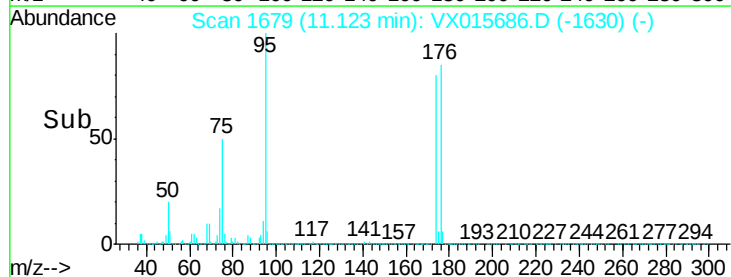
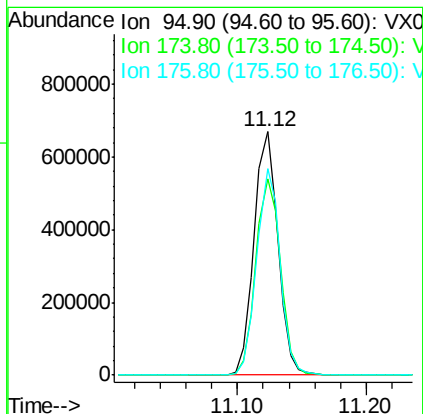
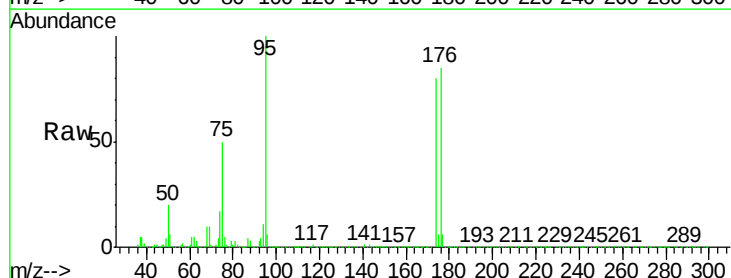
Tgt Ion: 95 Resp: 848307

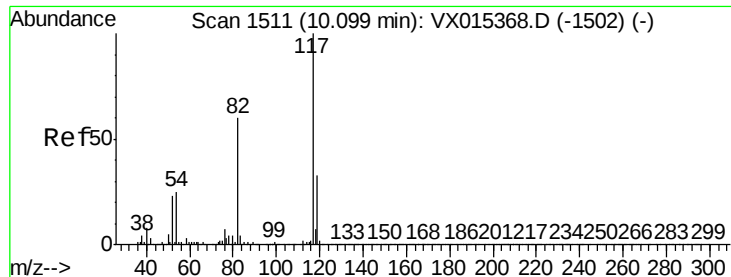
Ion Ratio Lower Upper

95 100

174 83.7 0.0 158.6

176 83.3 0.0 159.0





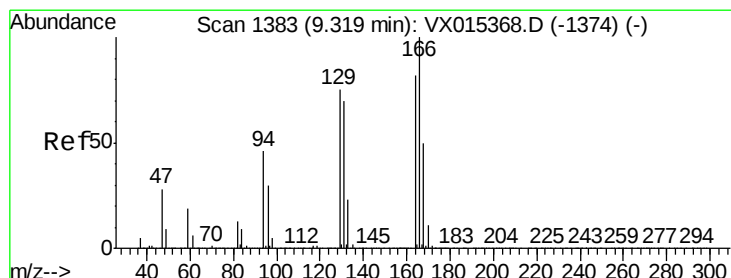
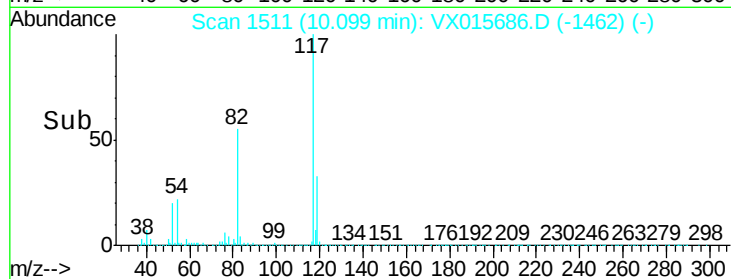
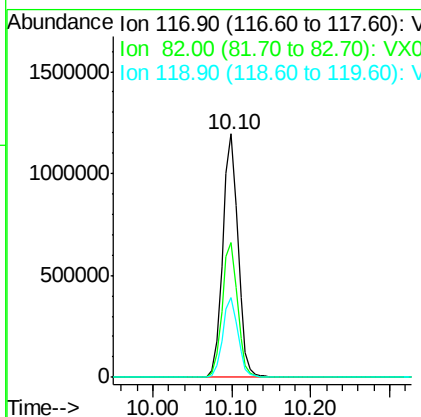
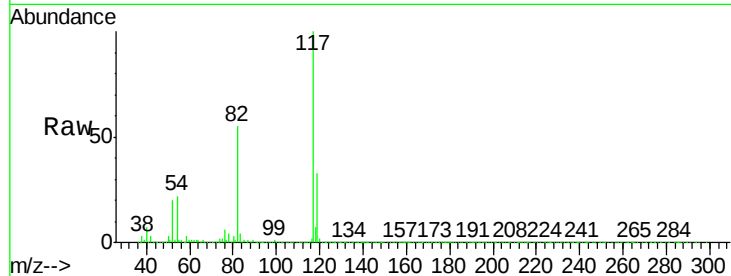
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015686.D
Acq: 15 Apr 2020 16:23

Instrument :
MSVOA_X
ClientSampleId :
ST008MW153-200408

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	47.8	71.8
119	33.0	26.8	40.2

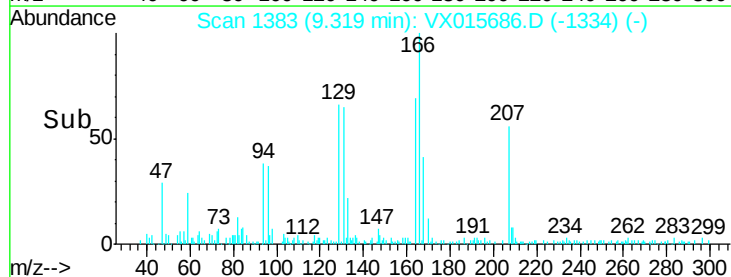
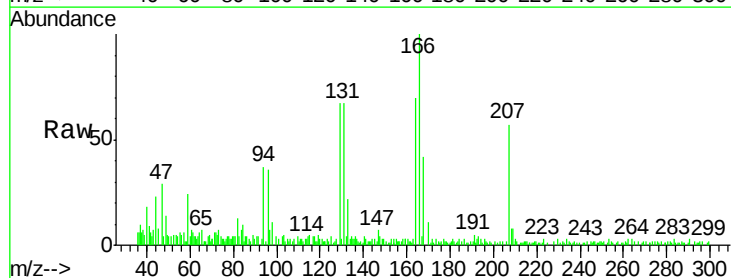
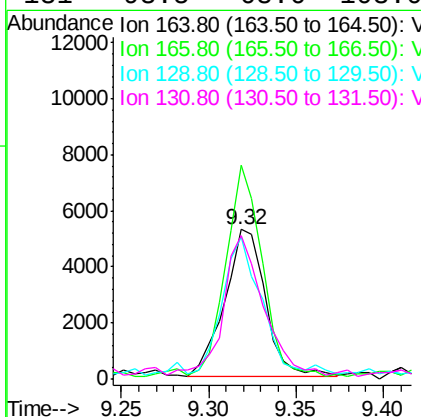
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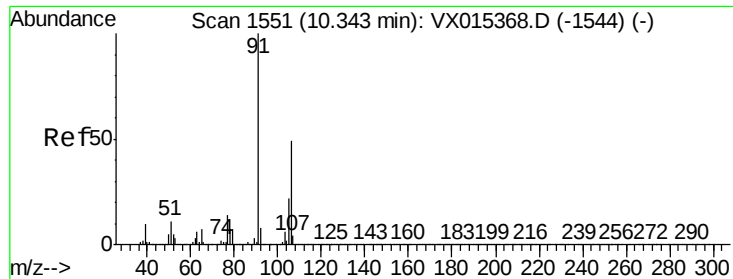
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#64
Tetrachloroethene
Concen: 0.707 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX015686.D
Acq: 15 Apr 2020 16:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	141.7	97.8	146.6
129	93.5	73.0	109.4
131	93.5	68.6	103.0





#68

m/p-Xvlenes

Concen: 0.222 ug/l

RT: 10.34 min Scan# 1551

Delta R.T. 0.00 min

Lab File: VX015686.D

Acq: 15 Apr 2020 16:23

Instrument :

MSVOA_X

ClientSampleId :

ST008MW153-200408

Tot Ion:106 Resp: 4690

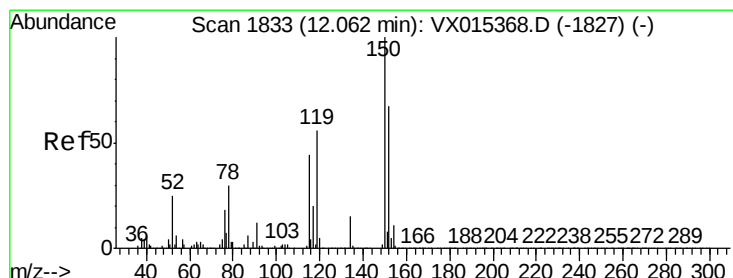
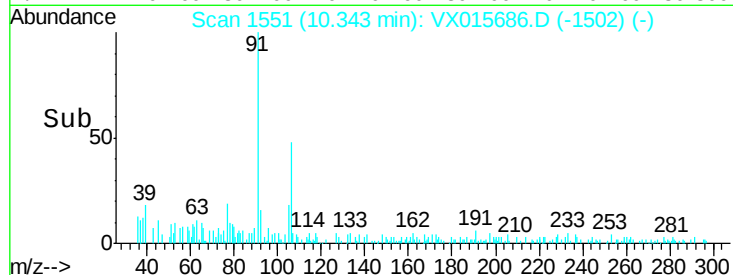
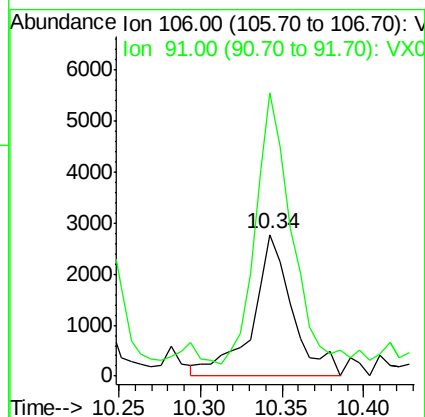
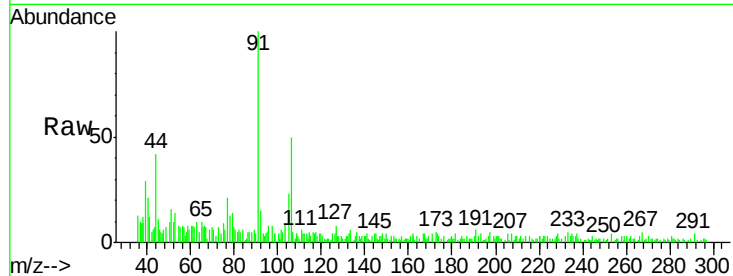
Ion Ratio Lower Upper

106 100

91 183.0 163.4 245.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015686.D

Acq: 15 Apr 2020 16:23

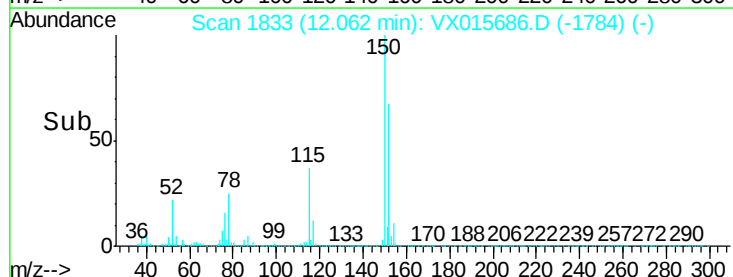
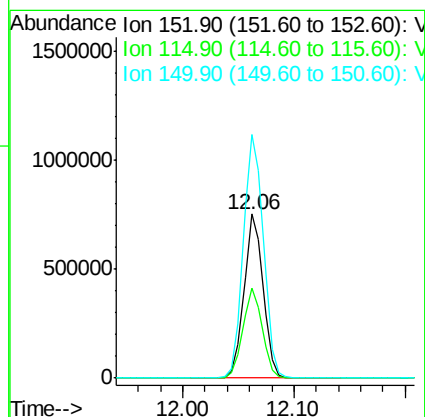
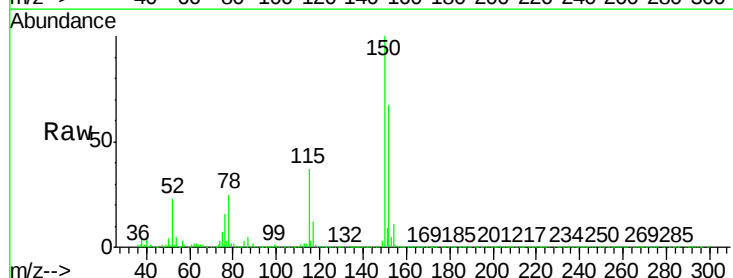
Tgt Ion:152 Resp: 892391

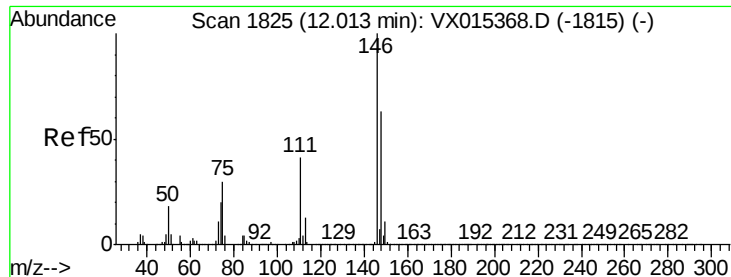
Ion Ratio Lower Upper

152 100

115 56.0 39.0 116.9

150 156.1 0.0 340.8





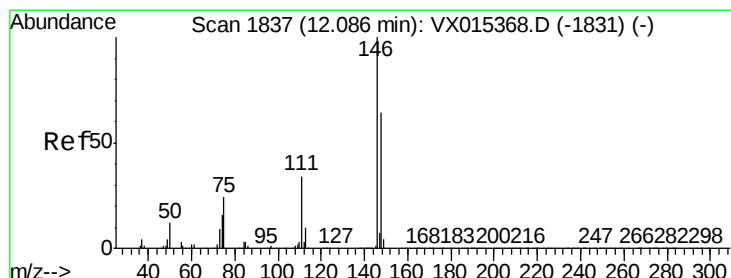
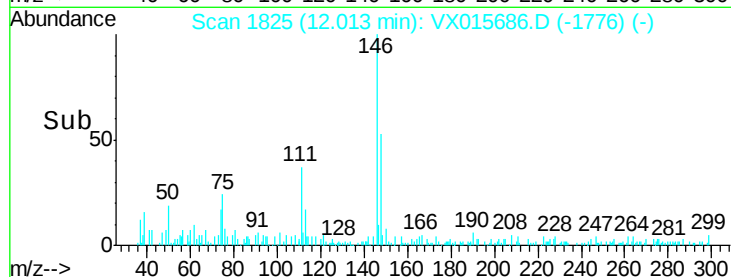
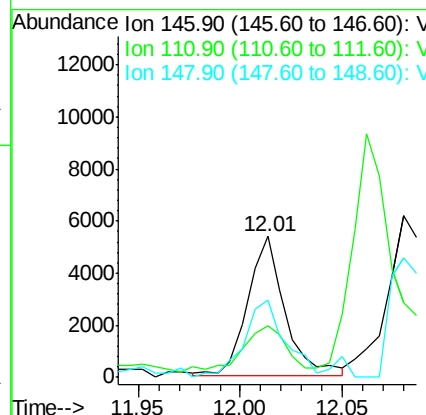
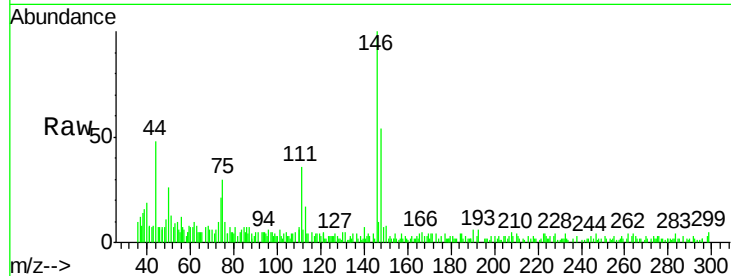
#87
 1,3-Dichlorobenzene
 Concen: 0.242 ug/l
 RT: 12.01 min Scan# 1825
 Delta R.T. 0.00 min
 Lab File: VX015686.D
 Acq: 15 Apr 2020 16:23

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW153-200408

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.3	60.9
148	62.9	31.3	93.9

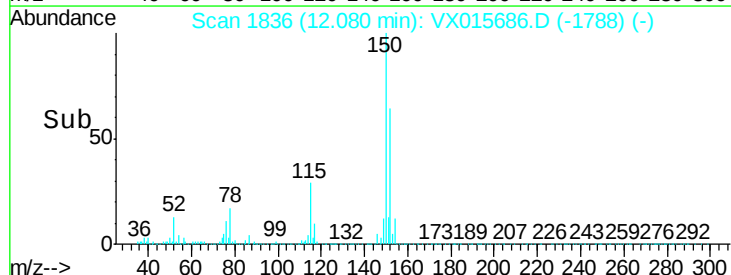
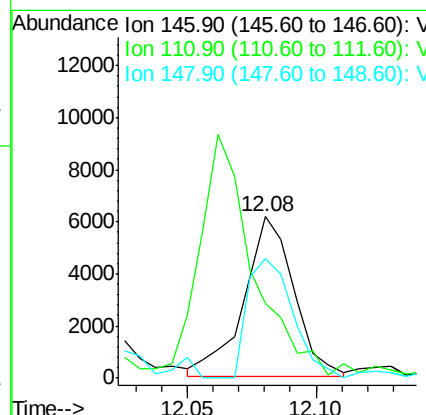
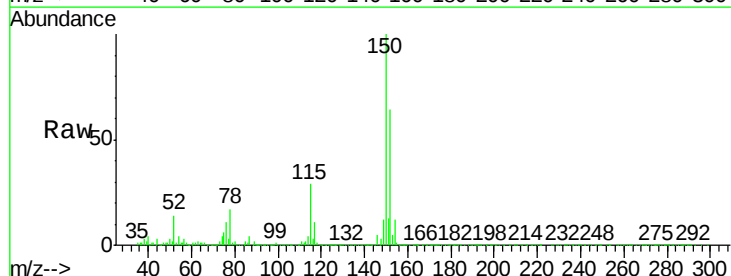
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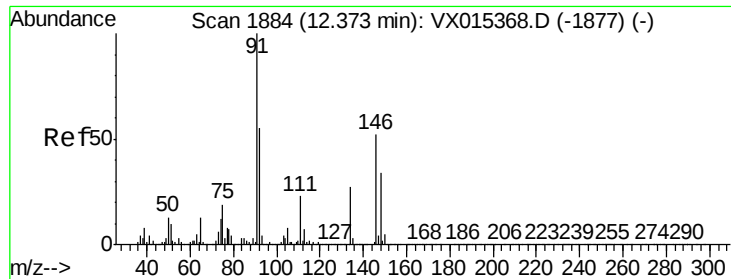
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 4/16/2020 11:03:30 AM



#88
 1,4-Dichlorobenzene
 Concen: 0.293 ug/l m
 RT: 12.08 min Scan# 1836
 Delta R.T. -0.01 min
 Lab File: VX015686.D
 Acq: 15 Apr 2020 16:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.5	19.1	57.5
148	51.1	32.4	97.2





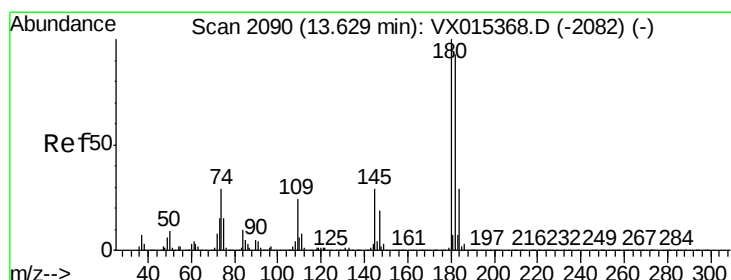
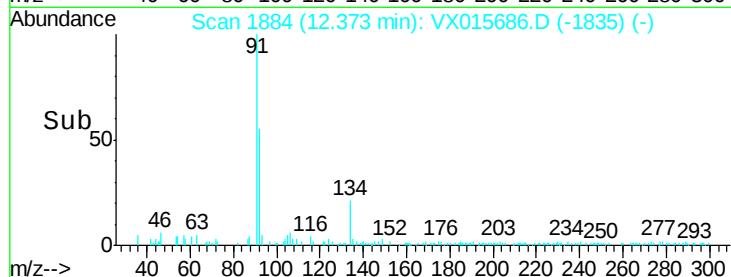
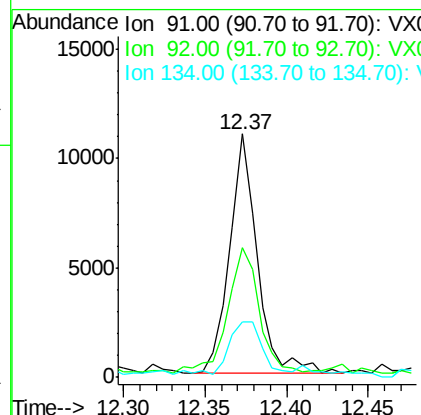
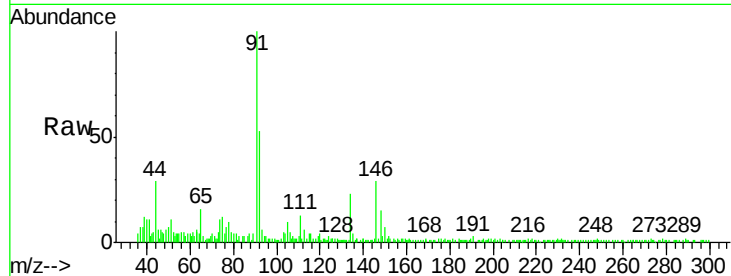
#89
n-Butylbenzene
Concen: 0.276 ug/l
RT: 12.37 min Scan# 1884
Delta R.T. 0.00 min
Lab File: VX015686.D
Acq: 15 Apr 2020 16:23

Instrument :
MSVOA_X
ClientSampleId :
ST008MW153-200408

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	59.6	27.2	81.5	
134	24.5	13.4	40.2	

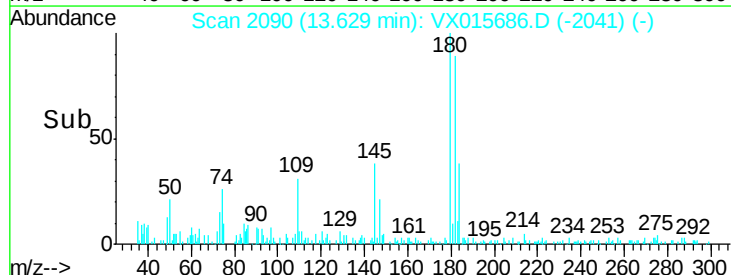
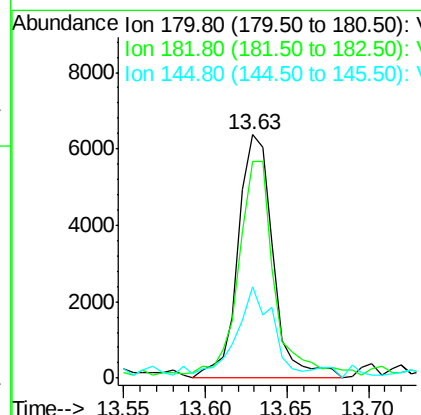
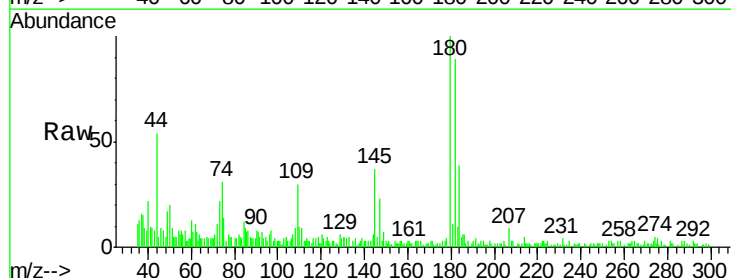
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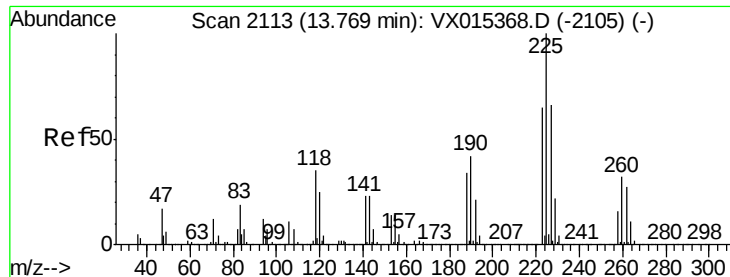
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4/16/2020 11:03:30 AM



#93
1,2,4-Trichlorobenzene
Concen: 0.443 ug/l
RT: 13.63 min Scan# 2090
Delta R.T. 0.00 min
Lab File: VX015686.D
Acq: 15 Apr 2020 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	88.6	46.9	140.7	
145	35.0	14.9	44.5	





#94

Hexachlorobutadiene

Concen: 0.634 ug/l

RT: 13.76 min Scan# 2112

Delta R.T. -0.01 min

Lab File: VX015686.D

Acq: 15 Apr 2020 16:23

Instrument :

MSVOA_X

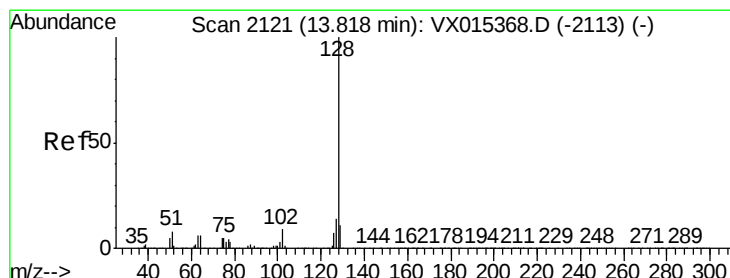
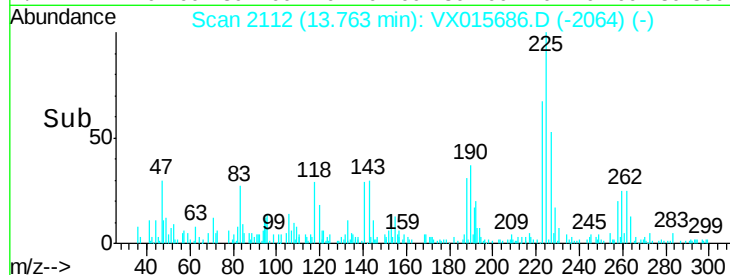
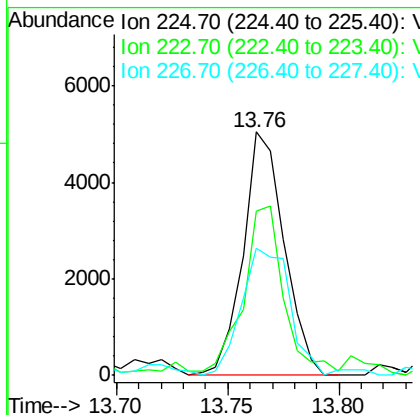
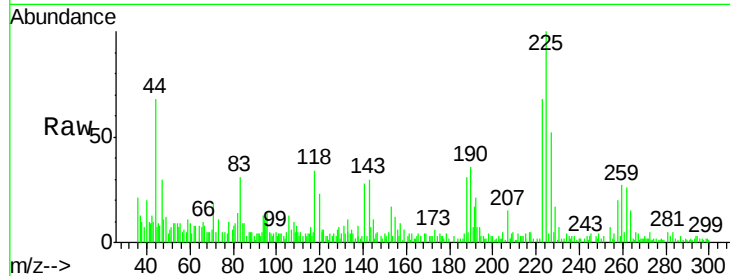
ClientSampleId :

ST008MW153-200408

Tot Ion:	225	Resp:	6519
Ion Ratio	Lower	Upper	
225	100		
223	63.7	31.9	95.7
227	62.2	30.4	91.3

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#95

Naphthalene

Concen: 0.254 ug/l

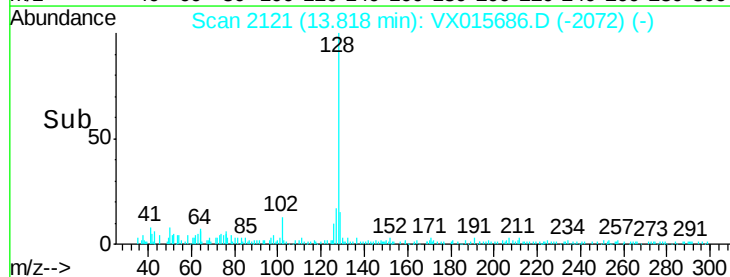
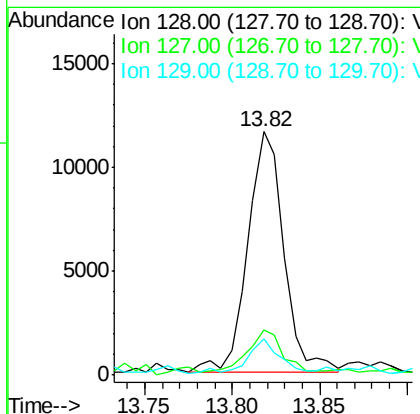
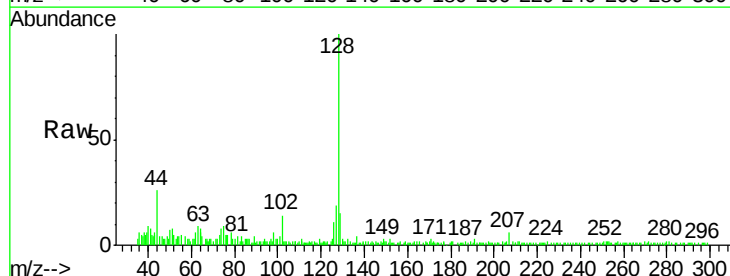
RT: 13.82 min Scan# 2121

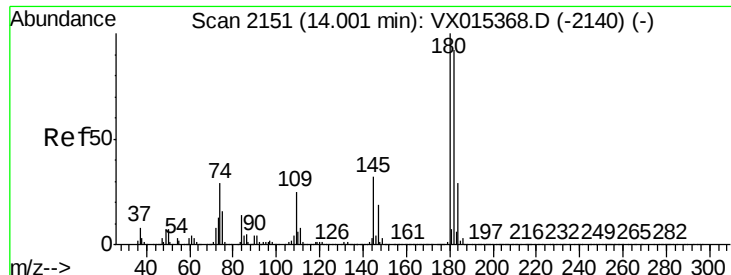
Delta R.T. 0.00 min

Lab File: VX015686.D

Acq: 15 Apr 2020 16:23

Tgt Ion:	128	Resp:	16743
Ion Ratio	Lower	Upper	
128	100		
127	16.6	10.6	15.8#
129	12.8	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.405 ug/l
 RT: 14.00 min Scan# 2151
 Delta R.T. 0.00 min
 Lab File: VX015686.D
 Acq: 15 Apr 2020 16:23

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW153-200408

Tot Ion	Ratio	Lower	Upper
180	100		
182	104.9	46.7	140.0
145	29.3	15.8	47.3

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 4/16/2020 11:03:30 AM

