

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032919\
 Data File : VX008544.D
 Acq On : 29 Mar 2019 15:26
 Operator : JC/SP
 Sample : K2121-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11

Manual Integrations
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 3/30/2019 9:50:38 AM

Quant Time: Mar 30 09:37:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	226930	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	382796	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	328558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	139442	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	158761	46.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.30%	
35) Dibromofluoromethane	5.50	113	117360	47.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.04%	
50) Toluene-d8	8.71	98	476490	47.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.48%	
62) 4-Bromofluorobenzene	11.13	95	165405	44.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.44%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.40	62	21717m	5.815	ug/l	
11) Tert butyl alcohol	3.03	59	6253	8.204	ug/l #	82
16) Acetone	2.44	43	27337	15.203	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	5964	2.007	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	581755	180.202	ug/l	89
31) Cyclohexane	5.57	56	6357	1.153	ug/l #	90
39) Methylcyclohexane	7.46	83	8145	1.670	ug/l	97
40) Benzene	6.14	78	16320	1.336	ug/l	98
44) Trichloroethene	7.21	130	1437	0.501	ug/l	97
52) Toluene	8.78	92	365465	50.023	ug/l	99
64) Tetrachloroethene	9.34	164	1208	0.543	ug/l	91
67) Ethyl Benzene	10.25	91	172647	12.803	ug/l	100
68) m/p-Xylenes	10.36	106	428607	87.368	ug/l	99
69) o-Xylene	10.69	106	238793	50.159	ug/l	100
73) Isopropylbenzene	11.02	105	19048	1.679	ug/l	100
78) n-propylbenzene	11.36	91	58808	4.425	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	420769	43.873	ug/l	99
83) tert-Butylbenzene	11.77	119	20295	2.193	ug/l	87
84) 1,2,4-Trimethylbenzene	11.80	105	725914	74.832	ug/l	98
85) sec-Butylbenzene	11.94	105	17561m	1.594	ug/l	
86) p-Isopropyltoluene	12.06	119	45031	4.631	ug/l	99
95) Naphthalene	13.83	128	192764	16.952	ug/l	99

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

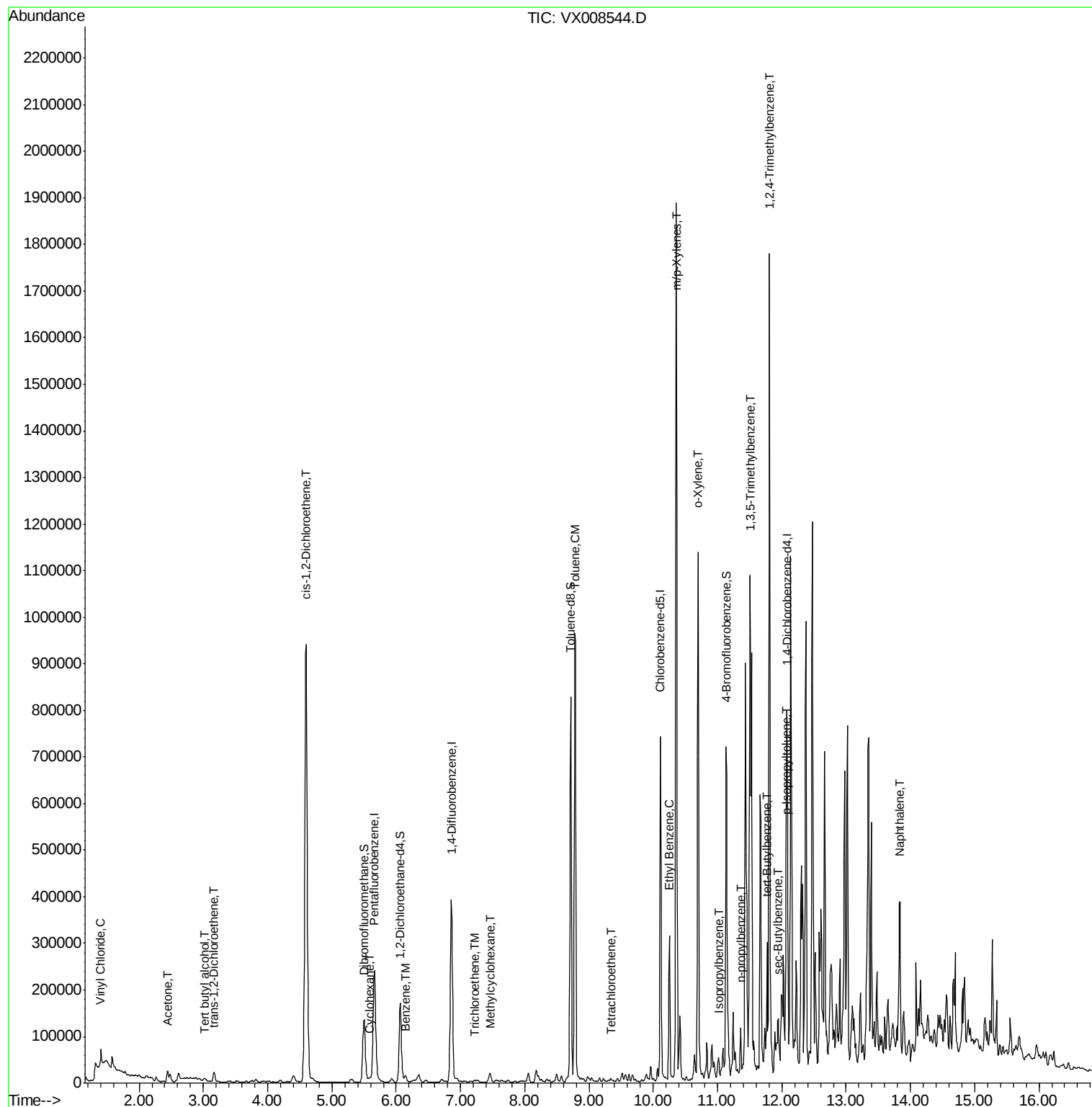
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032919\
Data File : VX008544.D
Acq On : 29 Mar 2019 15:26
Operator : JC/SP
Sample : K2121-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

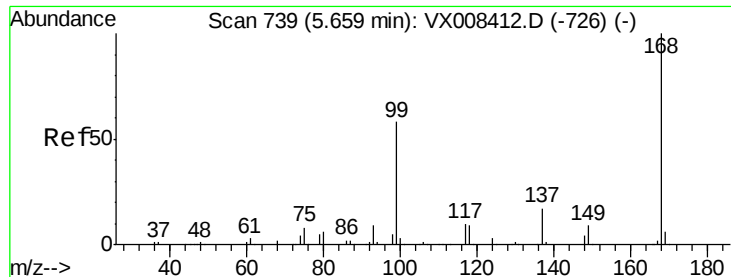
Instrument :
MSVOA_X
ClientSampleId :
MW-11

Manual Integrations
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Quant Time: Mar 30 09:37:04 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 26 07:57:20 2019
Response via : Initial Calibration





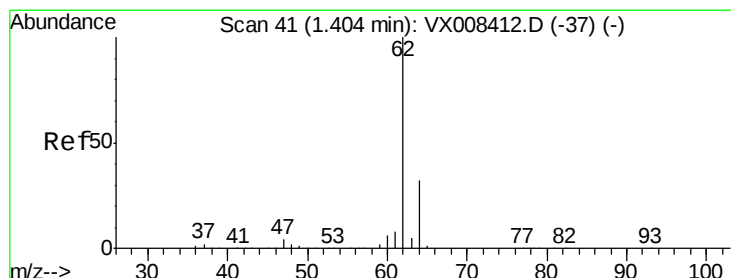
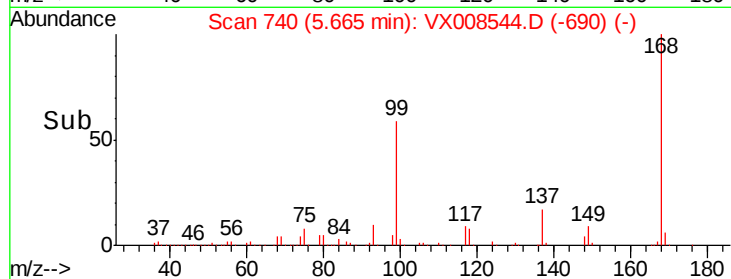
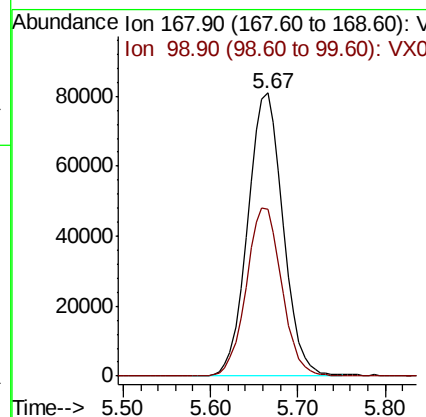
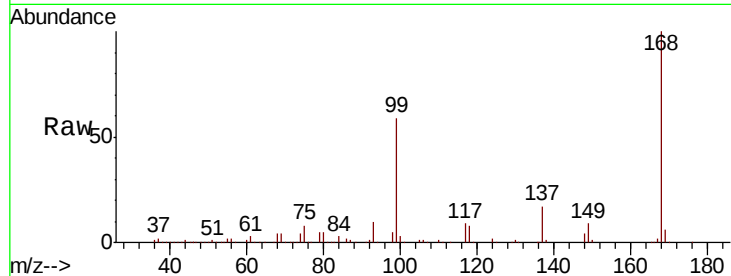
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX008544.D
Acq: 29 Mar 2019 15:26

Instrument :
MSVOA_X
ClientSampleId :
MW-11

Tot Ion	Ratio	Resp	Lower	Upper
168	100	226930		
99	59.1	46.0	69.0	

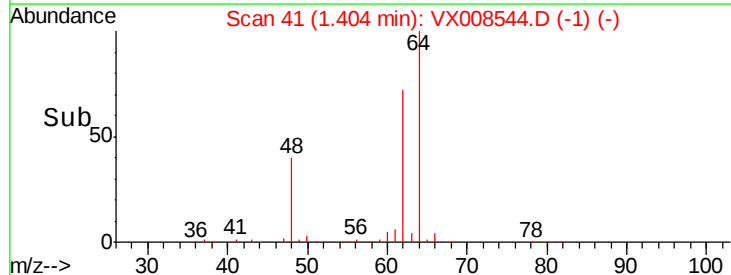
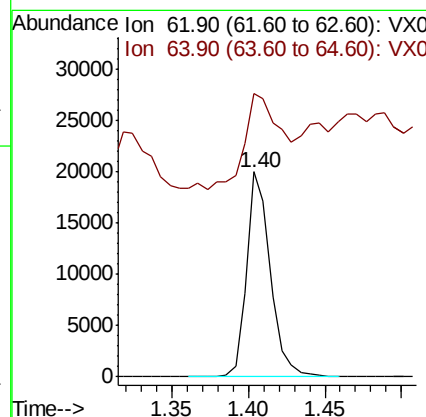
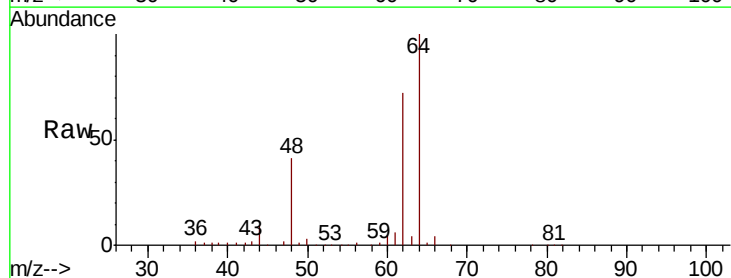
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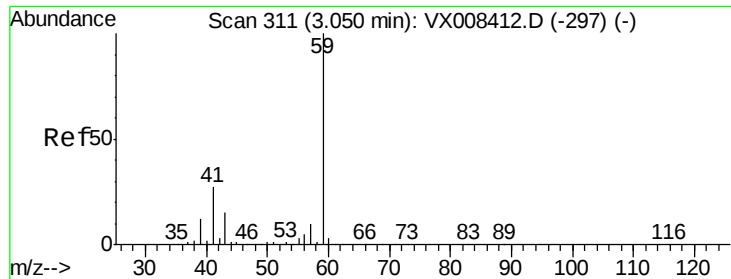
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#4
Vinyl Chloride
Concen: 5.815 ug/l m
RT: 1.40 min Scan# 41
Delta R.T. -0.00 min
Lab File: VX008544.D
Acq: 29 Mar 2019 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	21717		
64	138.2	25.5	38.3	#





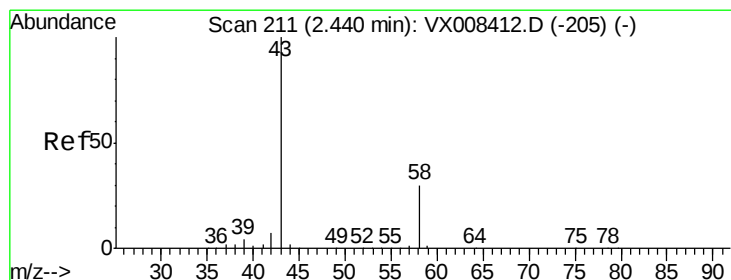
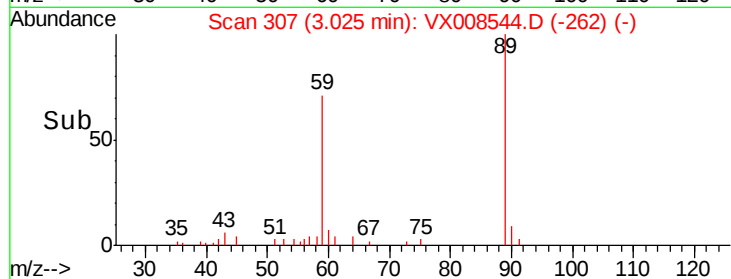
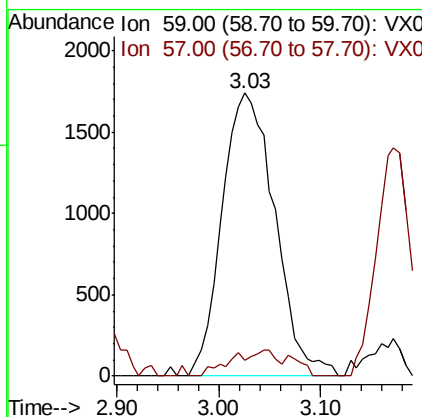
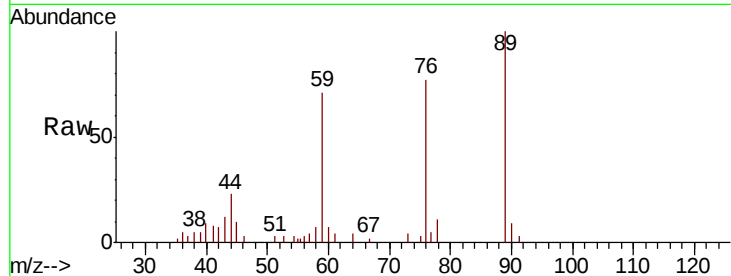
#11
Tert butyl alcohol
Concen: 8.204 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX008544.D
Acq: 29 Mar 2019 15:26

Instrument :
MSVOA_X
ClientSampleId :
MW-11

Tot Ion: 59 Resp: 6253
Ion Ratio Lower Upper
59 100
57 3.4 8.2 12.4#

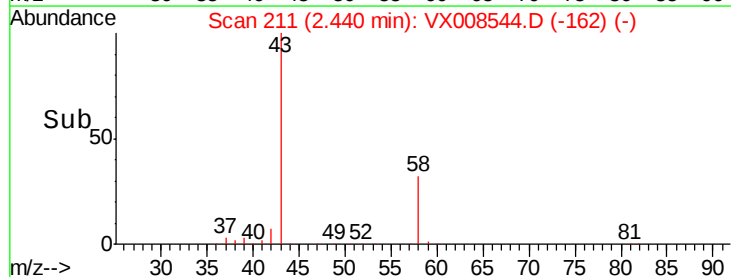
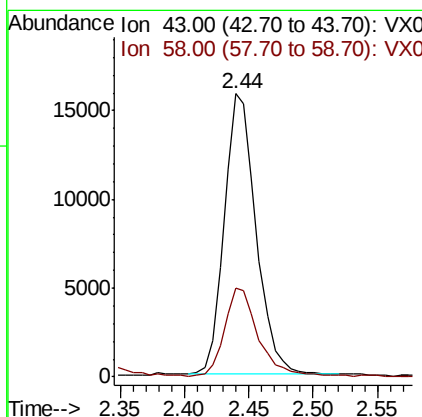
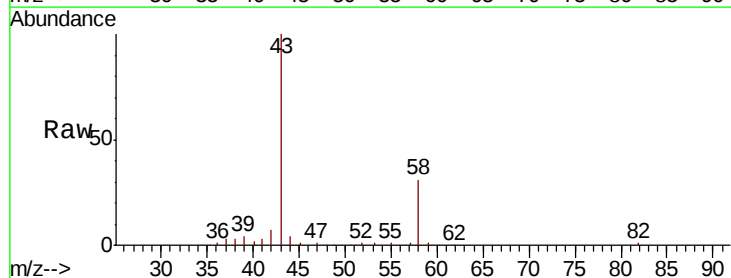
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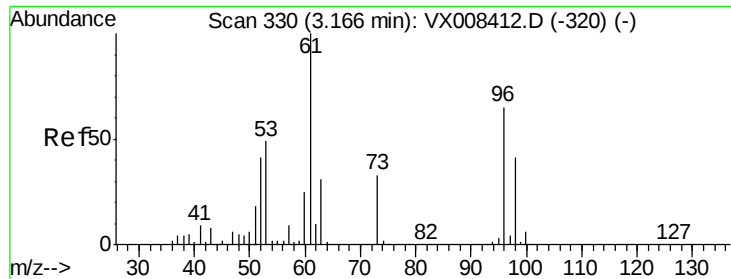
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#16
Acetone
Concen: 15.203 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.00 min
Lab File: VX008544.D
Acq: 29 Mar 2019 15:26

Tgt Ion: 43 Resp: 27337
Ion Ratio Lower Upper
43 100
58 31.3 24.2 36.2





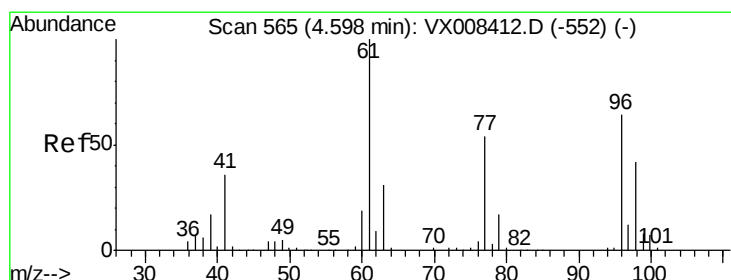
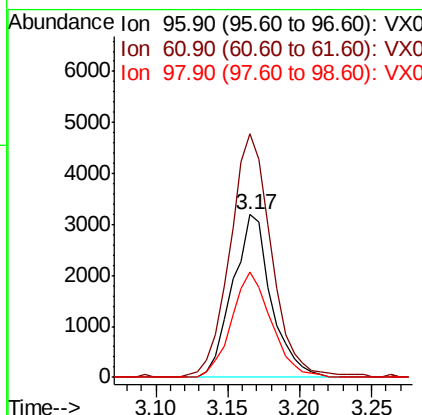
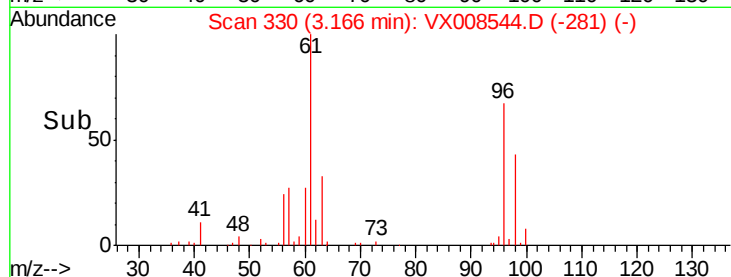
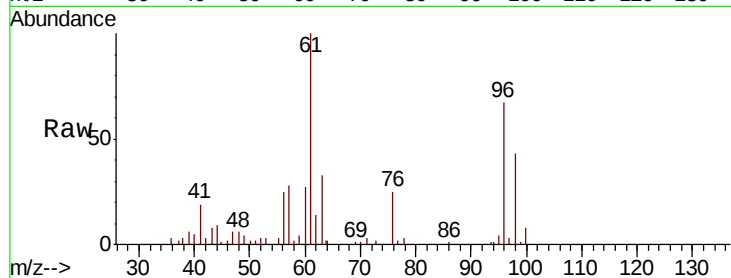
#21
trans-1,2-Dichloroethene
Concen: 2.007 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX008544.D
Acq: 29 Mar 2019 15:26

Instrument :
MSVOA_X
ClientSampled :
MW-11

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.8	122.6	184.0
98	64.4	50.9	76.3

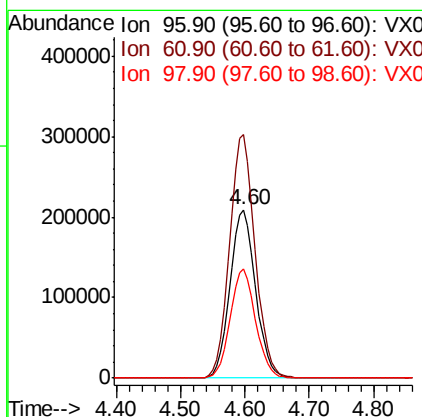
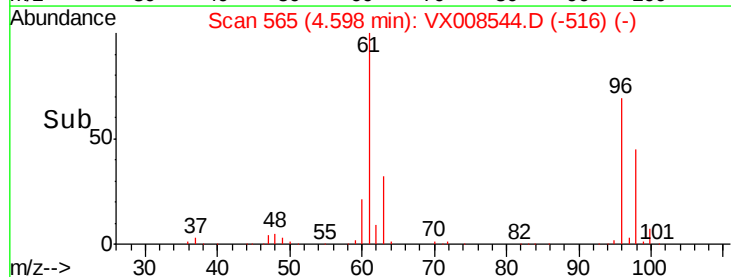
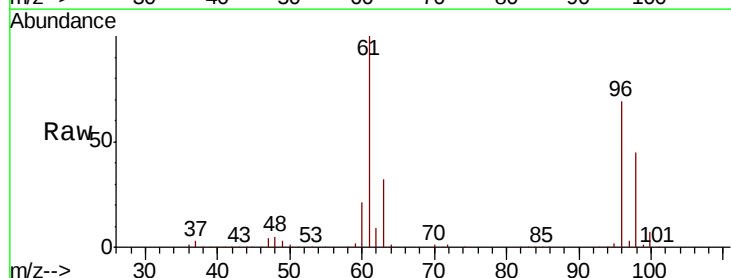
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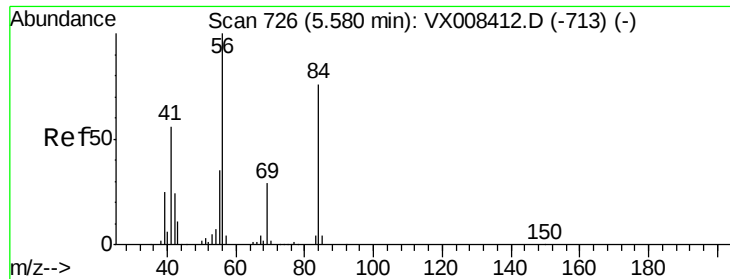
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#27
cis-1,2-Dichloroethene
Concen: 180.202 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX008544.D
Acq: 29 Mar 2019 15:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.6	0.0	325.6
98	64.3	0.0	130.0





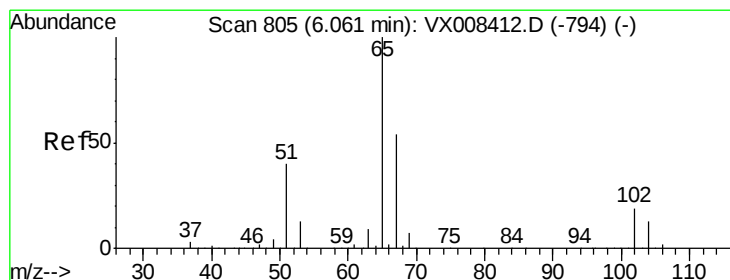
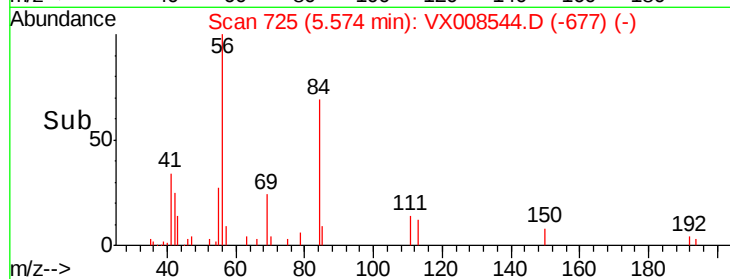
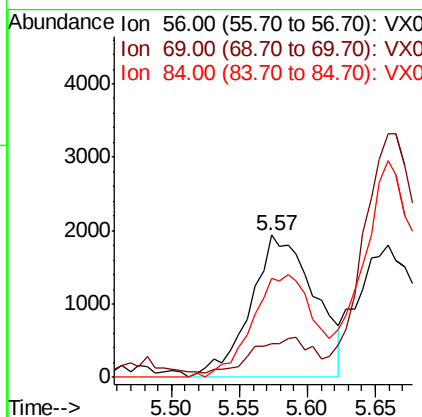
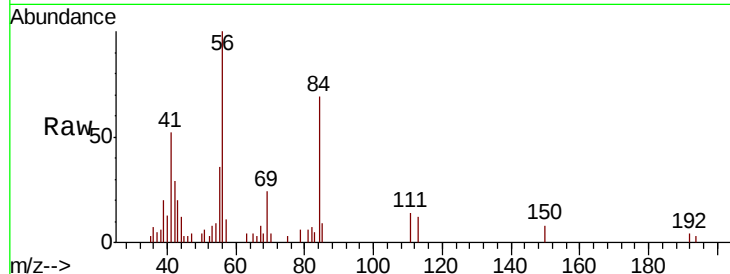
#31
Cyclohexane
Concen: 1.153 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX008544.D
Acq: 29 Mar 2019 15:26

Instrument :
MSVOA_X
ClientSampled :
MW-11

Tot Ion	Ratio	Lower	Upper
56	100		
69	19.8	23.2	34.8#
84	69.2	60.7	91.1

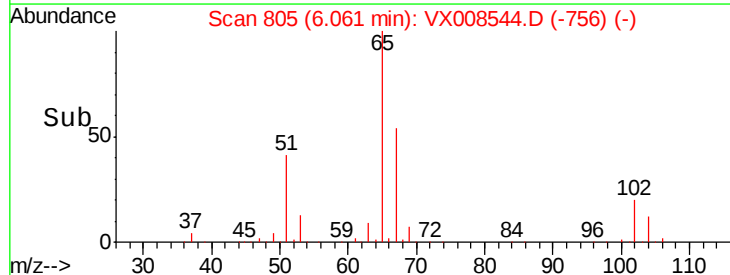
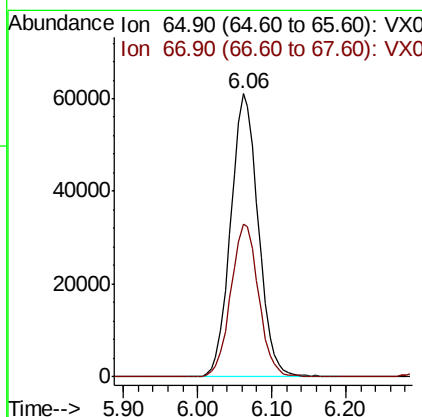
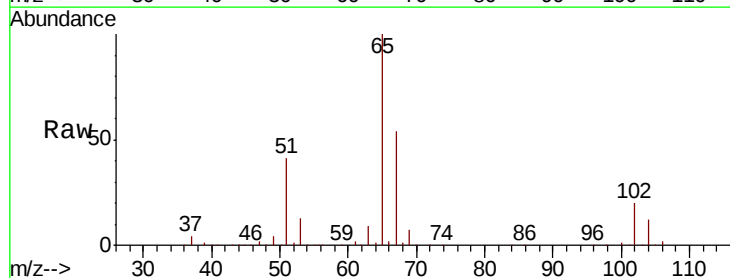
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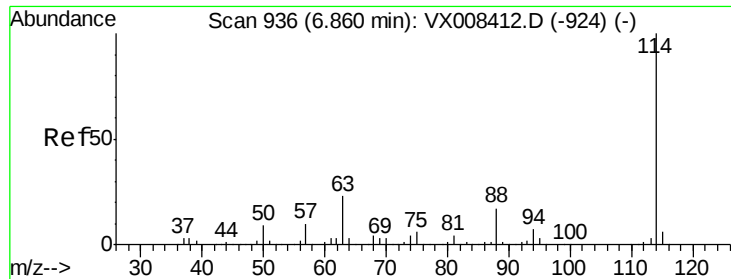
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#33
1,2-Dichloroethane-d4
Concen: 46.147 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX008544.D
Acq: 29 Mar 2019 15:26

Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	109.4





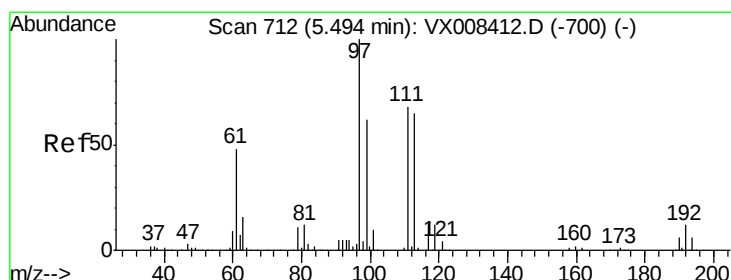
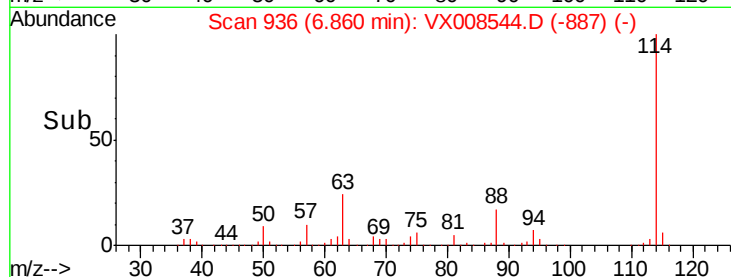
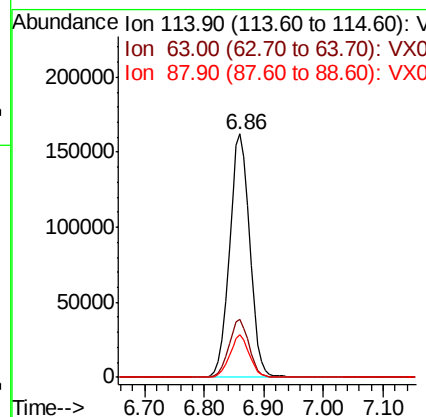
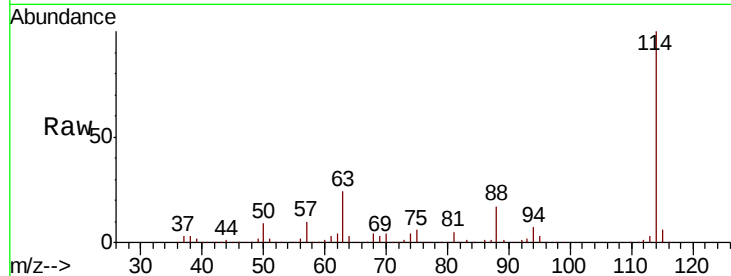
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX008544.D
Acq: 29 Mar 2019 15:26

Instrument :
MSVOA_X
ClientSampleId :
MW-11

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	23.7	0.0	46.4
88	17.3	0.0	33.2

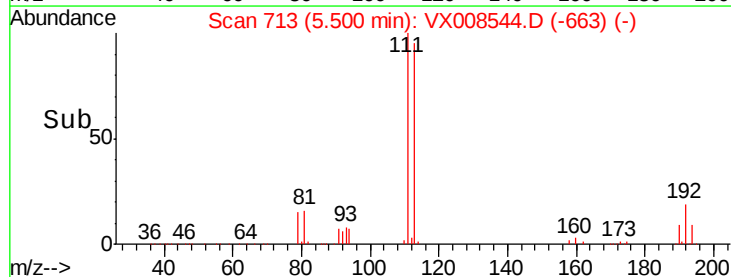
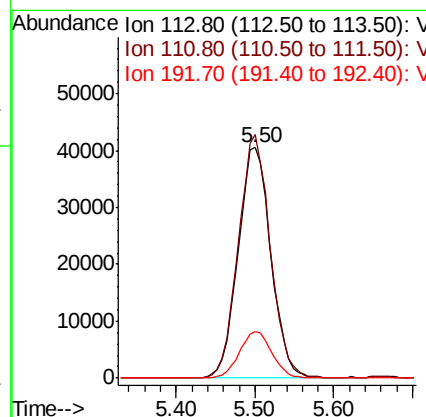
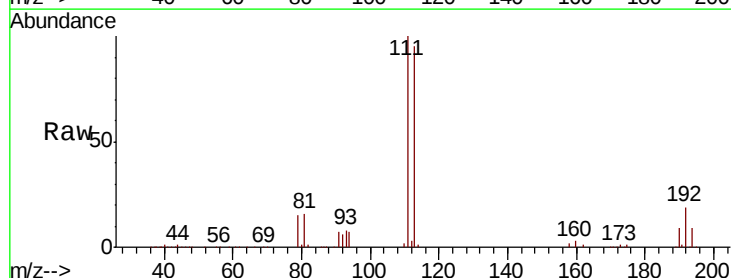
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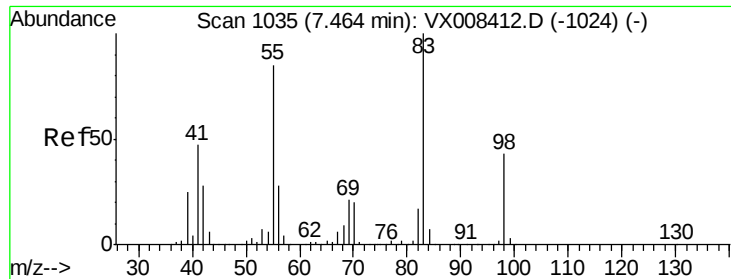
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#35
Dibromofluoromethane
Concen: 47.019 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX008544.D
Acq: 29 Mar 2019 15:26

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	102.7	83.0	124.4
192	20.0	15.6	23.4





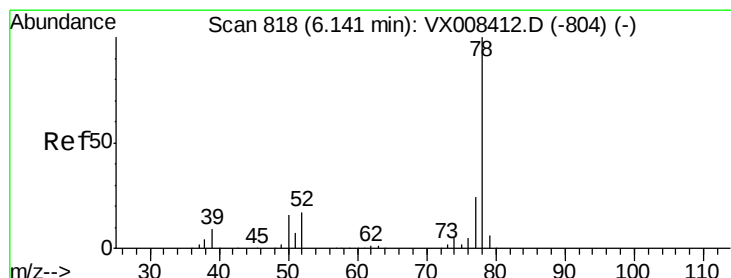
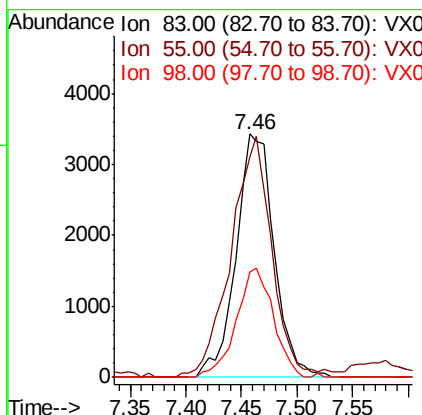
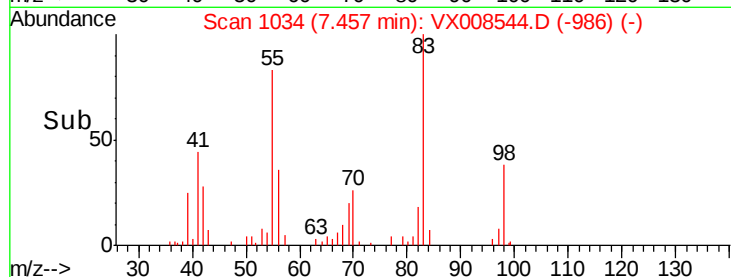
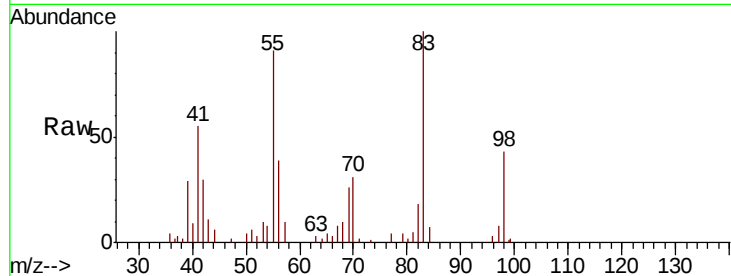
#39
Methvlcvclohexane
Concen: 1.670 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX008544.D
Acq: 29 Mar 2019 15:26

Instrument :
MSVOA_X
ClientSampled :
MW-11

Tot Ion: 83 Resp: 8145
Ion Ratio Lower Upper
83 100
55 89.1 68.2 102.4
98 43.2 34.2 51.4

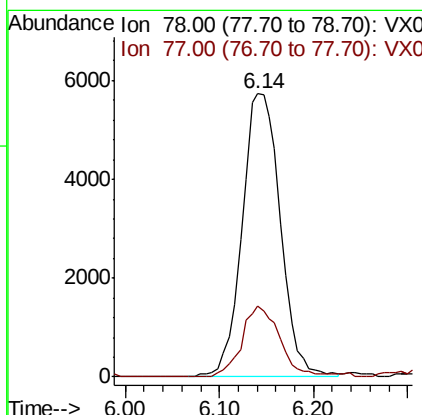
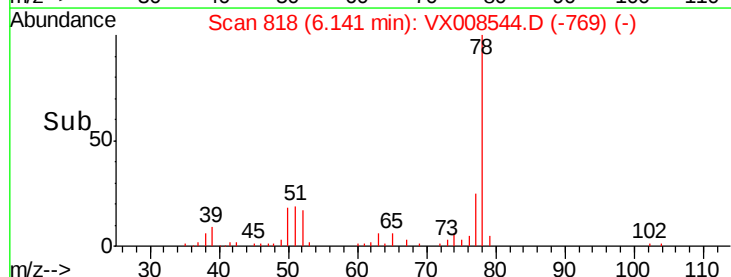
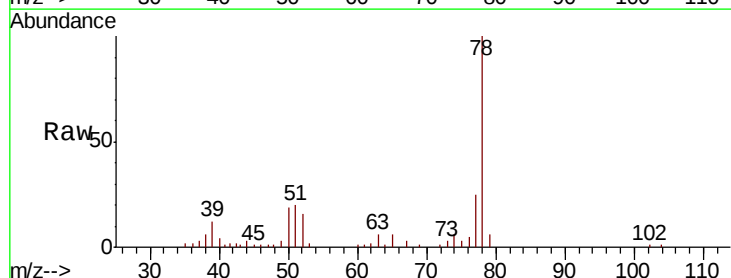
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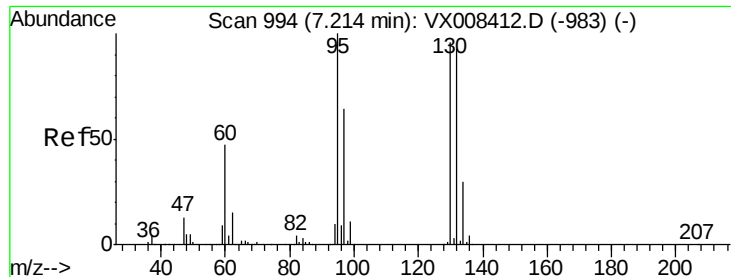
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#40
Benzene
Concen: 1.336 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008544.D
Acq: 29 Mar 2019 15:26

Tgt Ion: 78 Resp: 16320
Ion Ratio Lower Upper
78 100
77 25.1 19.3 28.9





#44

Trichloroethene

Concen: 0.501 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008544.D

Acq: 29 Mar 2019 15:26

Instrument :

MSVOA_X

ClientSampleId :

MW-11

Tot Ion:130 Resp: 1437

Ion Ratio Lower Upper

130 100

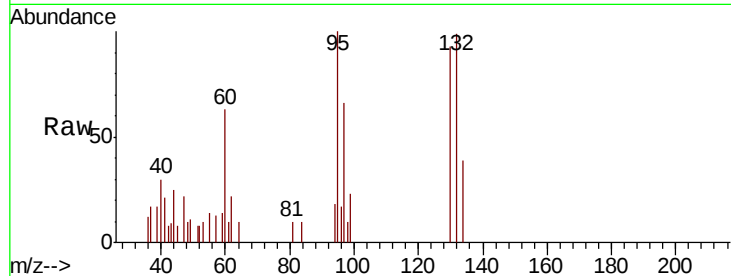
95 107.5 0.0 208.8

Manual Integrations

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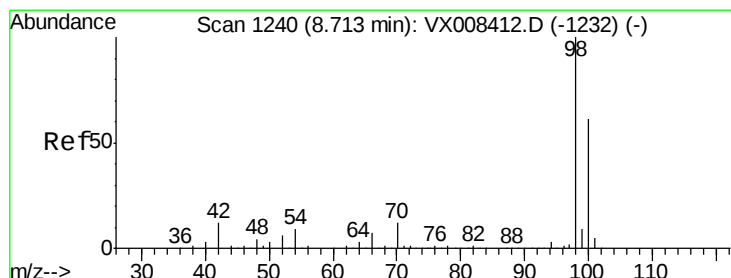
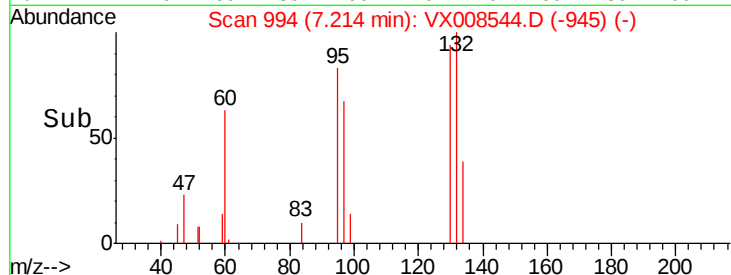
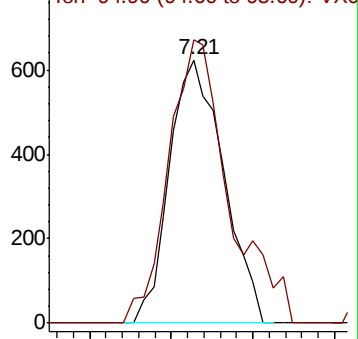
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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 47.742 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008544.D

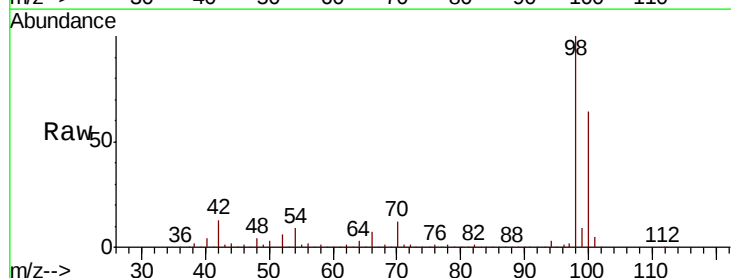
Acq: 29 Mar 2019 15:26

Tgt Ion: 98 Resp: 476490

Ion Ratio Lower Upper

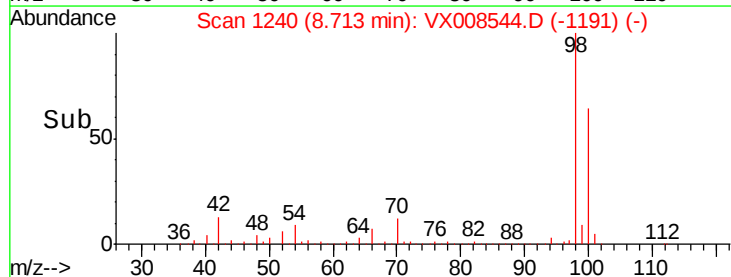
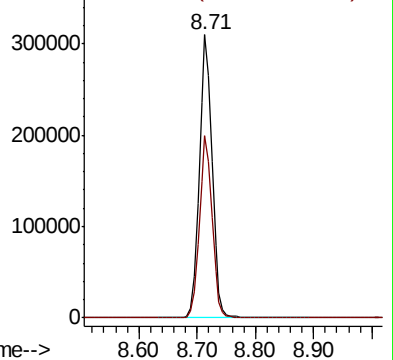
98 100

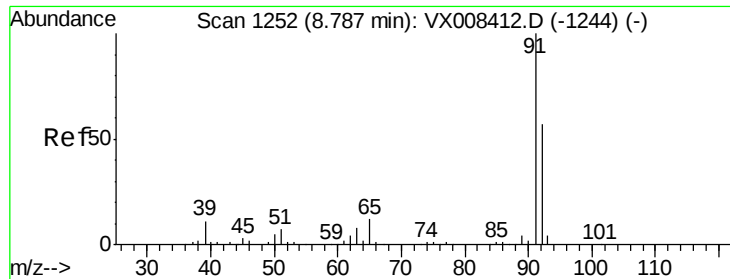
100 63.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 50.023 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008544.D

Acq: 29 Mar 2019 15:26

Instrument :

MSVOA_X

ClientSampled :

MW-11

Tot Ion: 92 Resp: 365465

Ion Ratio Lower Upper

92 100

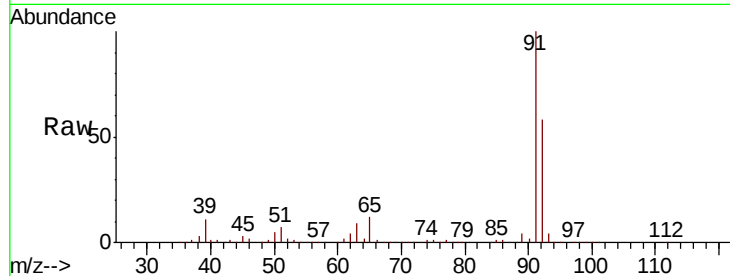
91 173.8 140.2 210.4

Manual Integrations

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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

400000

300000

200000

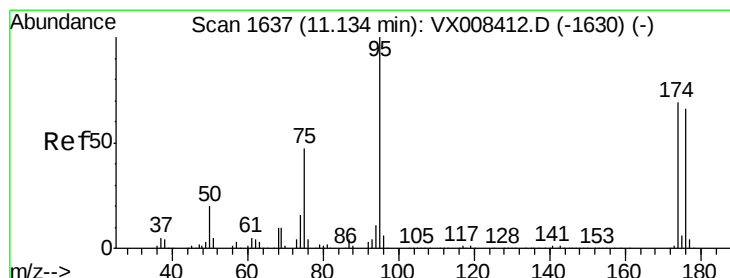
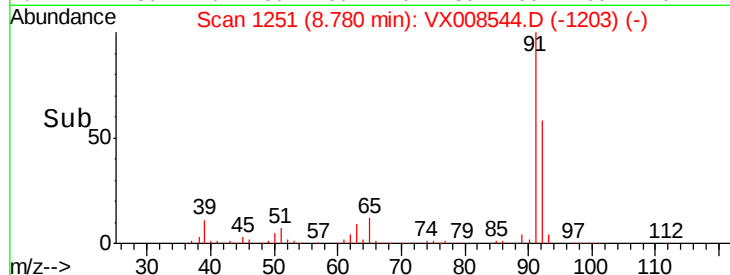
100000

0

8.78

8.70 8.80 8.90 9.00

Time-->



#62

4-Bromofluorobenzene

Concen: 44.723 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008544.D

Acq: 29 Mar 2019 15:26

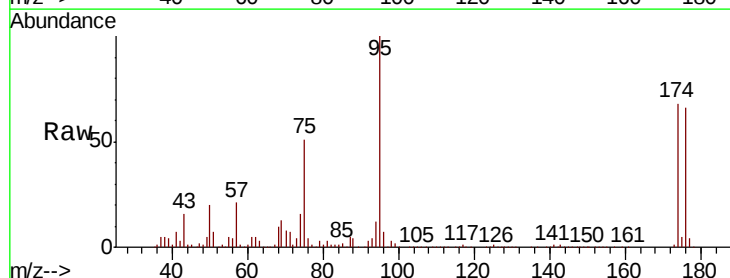
Tgt Ion: 95 Resp: 165405

Ion Ratio Lower Upper

95 100

174 73.0 0.0 147.2

176 70.1 0.0 142.4



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

150000

100000

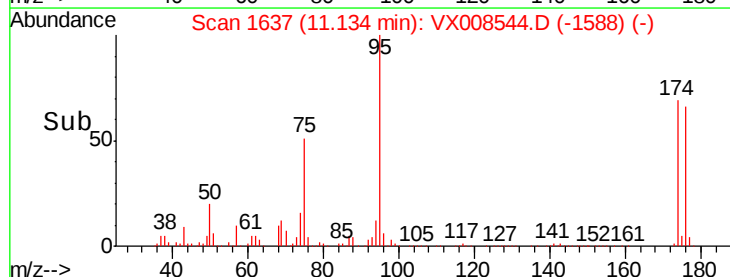
50000

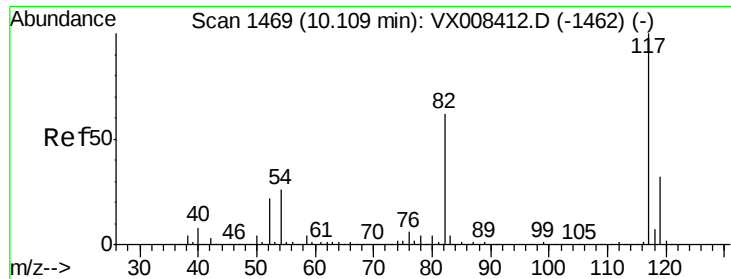
0

11.13

11.10 11.20

Time-->





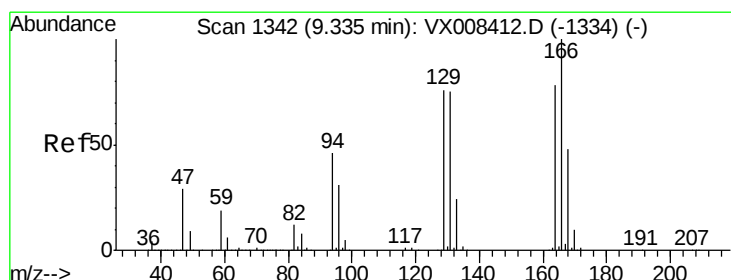
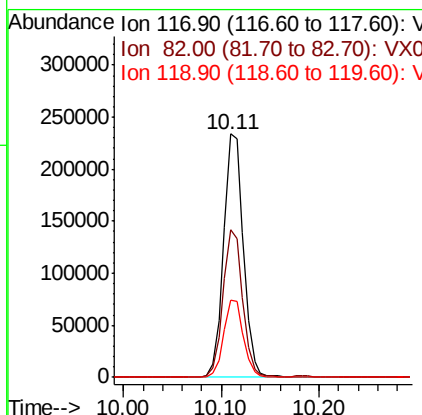
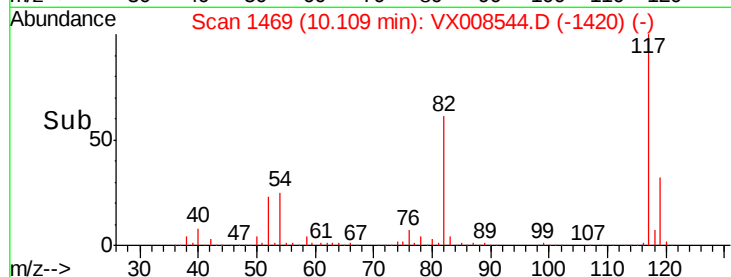
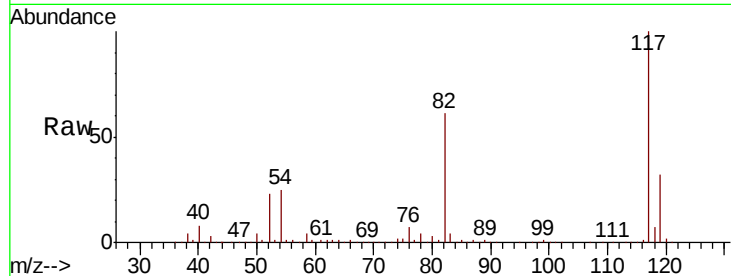
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008544.D
Acq: 29 Mar 2019 15:26

Instrument :
MSVOA_X
ClientSampleId :
MW-11

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.6	49.4	74.2
119	31.7	25.4	38.0

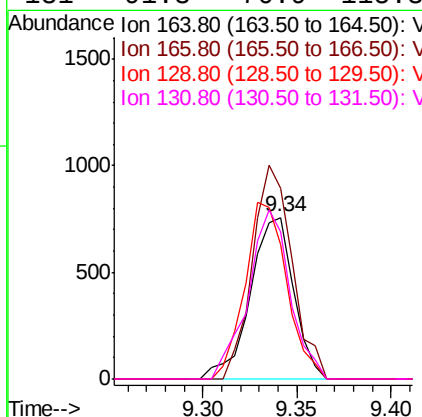
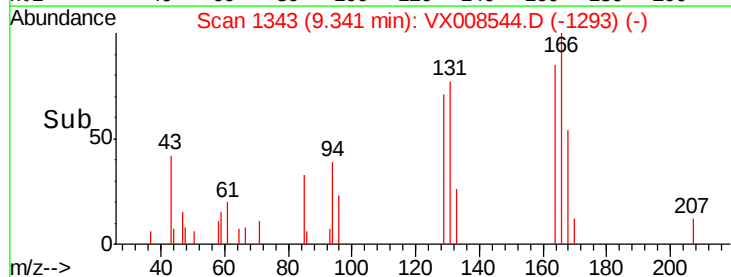
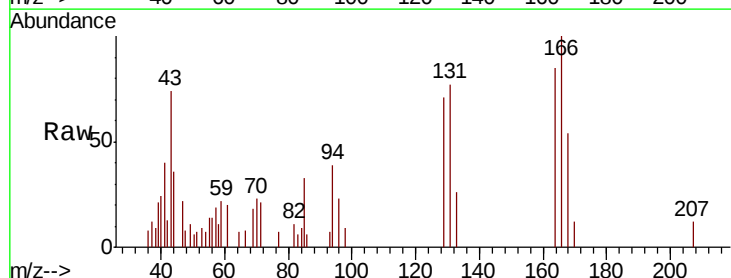
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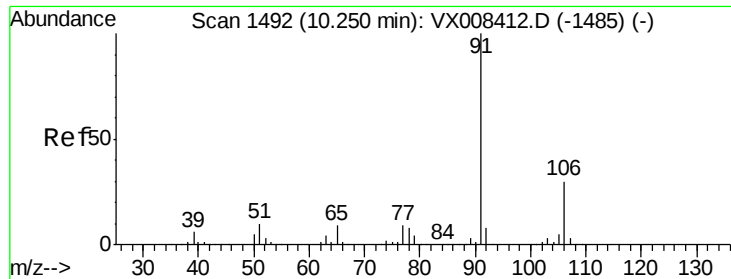
MMDadoda
3/30/2019 9:50:38 AM



#64
Tetrachloroethene
Concen: 0.543 ug/l
RT: 9.34 min Scan# 1343
Delta R.T. 0.01 min
Lab File: VX008544.D
Acq: 29 Mar 2019 15:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.1	102.5	153.7
129	83.5	77.8	116.8
131	91.3	76.9	115.3





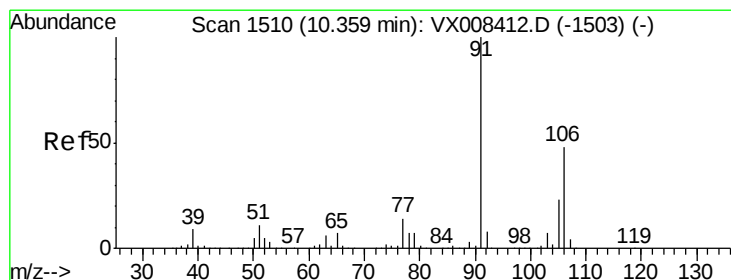
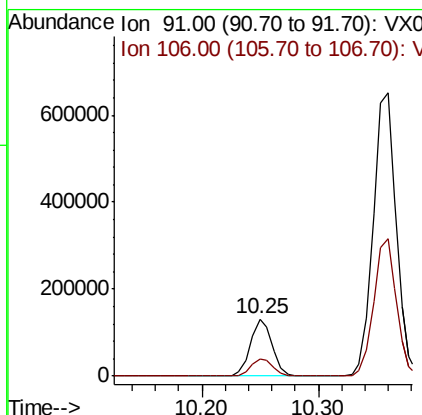
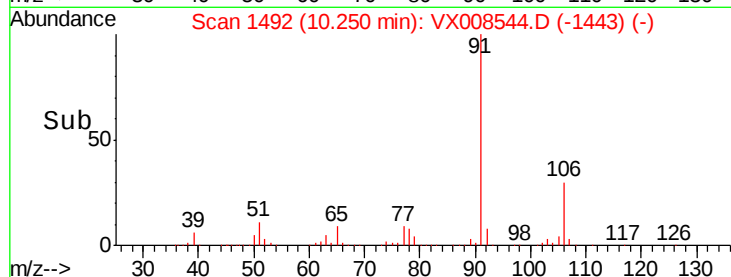
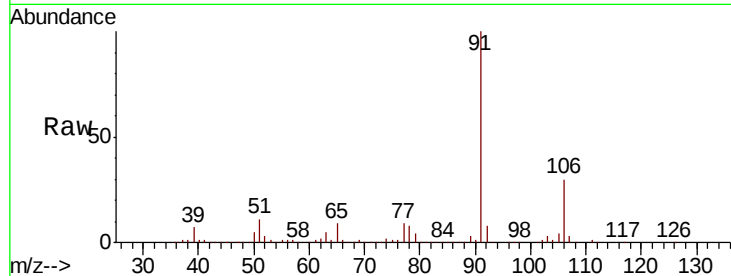
#67
Ethyl Benzene
Concen: 12.803 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX008544.D
Acq: 29 Mar 2019 15:26

Instrument :
MSVOA_X
ClientSampled :
MW-11

Tot Ion: 91 Resp: 172647
Ion Ratio Lower Upper
91 100
106 30.0 24.0 36.0

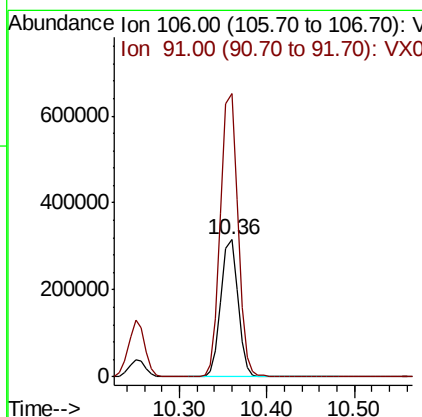
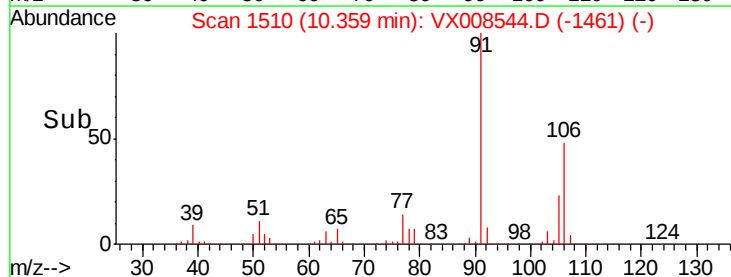
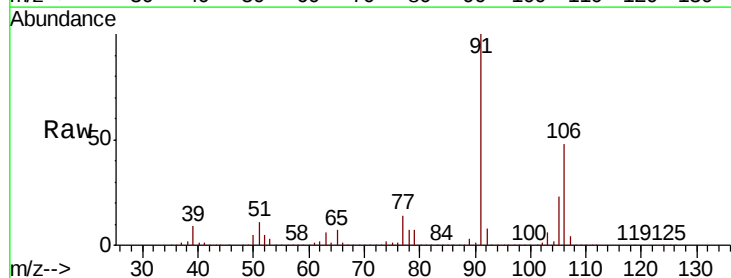
Manual Integrations
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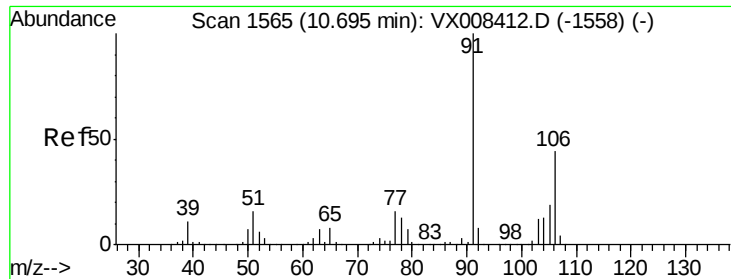
MMDadoda
3/30/2019 9:50:38 AM



#68
m/p-Xylenes
Concen: 87.368 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX008544.D
Acq: 29 Mar 2019 15:26

Tgt Ion: 106 Resp: 428607
Ion Ratio Lower Upper
106 100
91 209.6 168.6 253.0





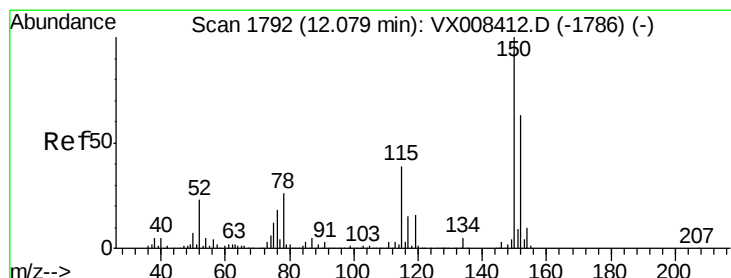
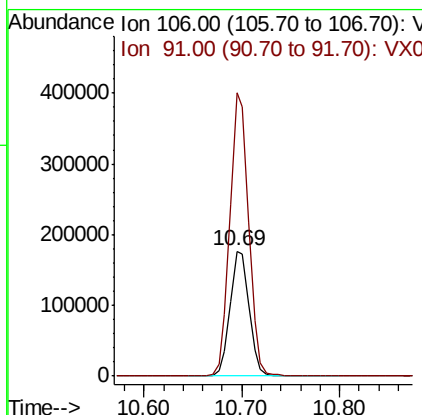
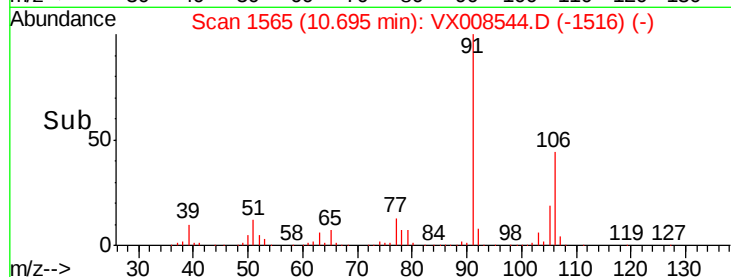
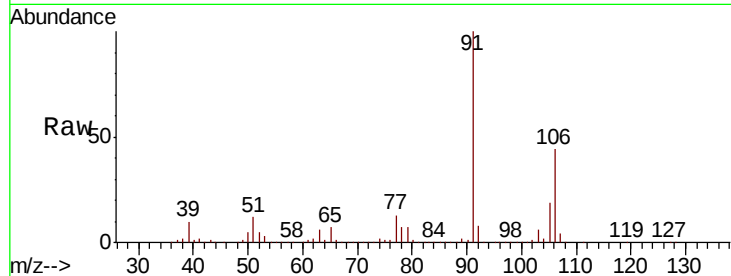
#69
o-Xylene
Concen: 50.159 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX008544.D
Acq: 29 Mar 2019 15:26

Instrument :
MSVOA_X
ClientSampled :
MW-11

Tot Ion:106 Resp: 238793
Ion Ratio Lower Upper
106 100
91 223.1 111.4 334.2

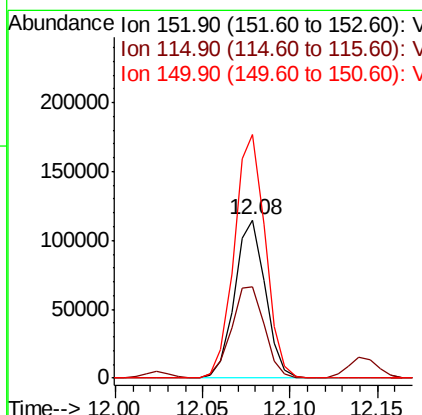
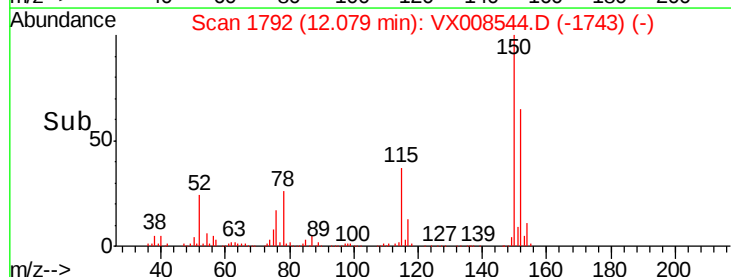
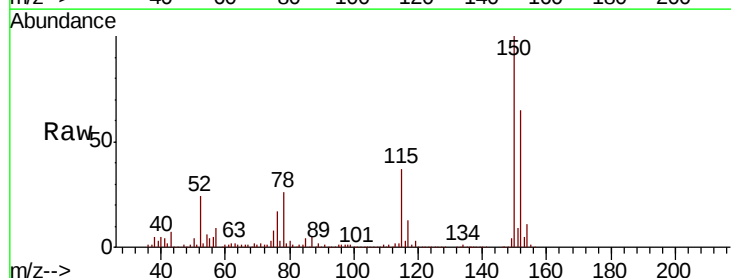
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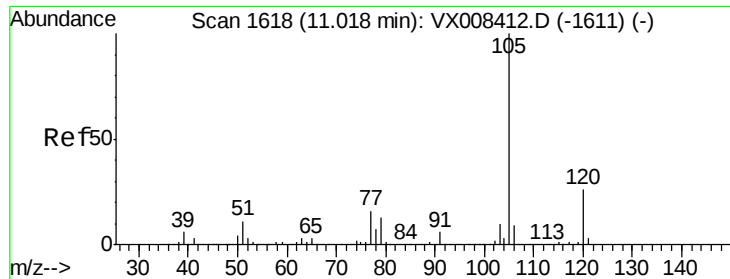
MMDadoda
3/30/2019 9:50:38 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008544.D
Acq: 29 Mar 2019 15:26

Tgt Ion:152 Resp: 139442
Ion Ratio Lower Upper
152 100
115 62.6 43.5 130.5
150 156.5 0.0 348.8





#73

Isopropylbenzene

Concen: 1.679 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008544.D

Acq: 29 Mar 2019 15:26

Instrument :

MSVOA_X

ClientSampleId :

MW-11

Tot Ion: 105 Resp: 19048

Ion Ratio Lower Upper

105 100

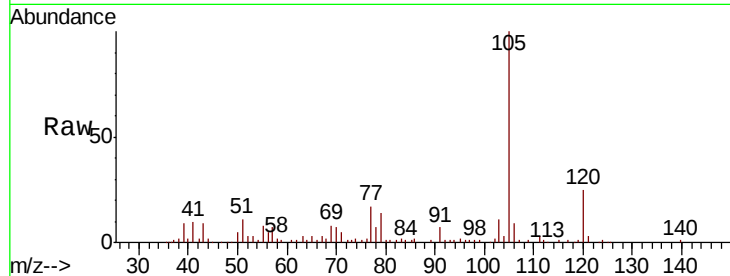
120 25.9 12.9 38.7

Manual Integrations

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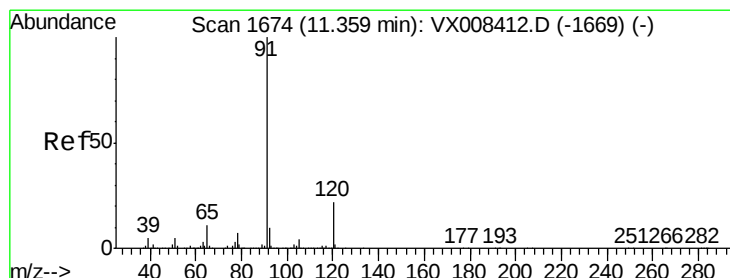
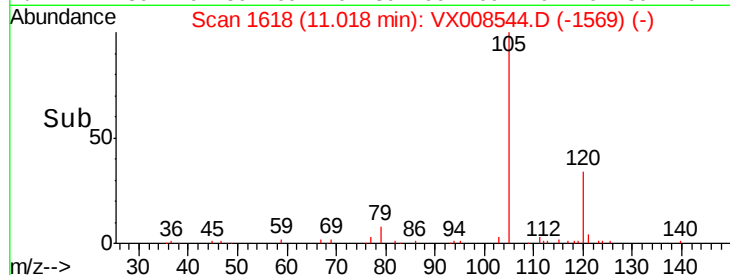
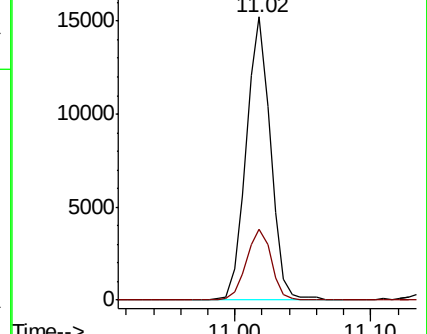
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 4.425 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008544.D

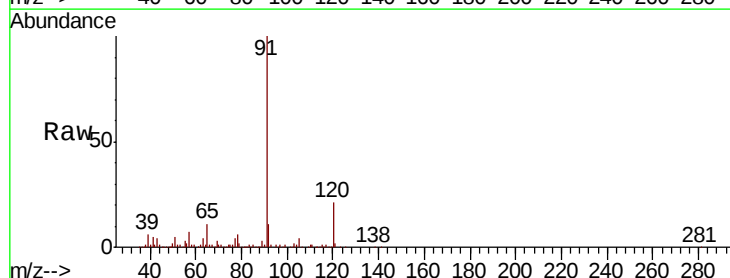
Acq: 29 Mar 2019 15:26

Tgt Ion: 91 Resp: 58808

Ion Ratio Lower Upper

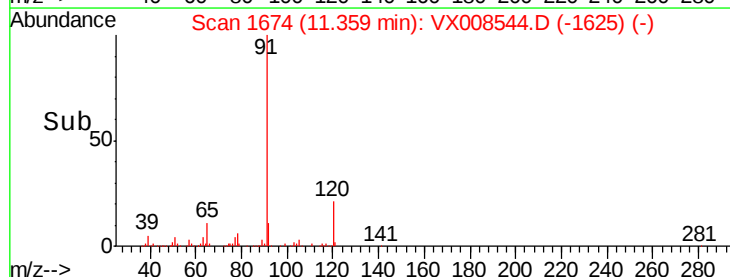
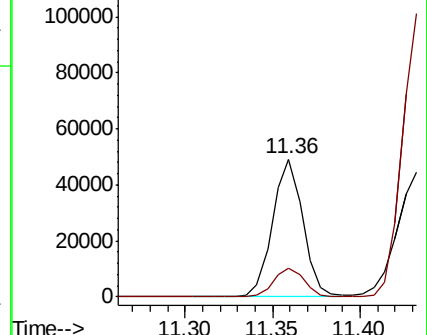
91 100

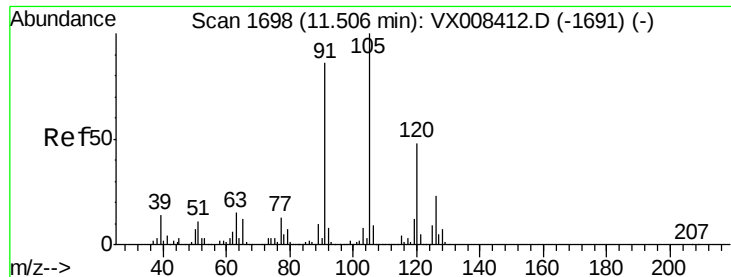
120 21.3 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 43.873 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008544.D

Acq: 29 Mar 2019 15:26

Instrument :

MSVOA_X

ClientSampled :

MW-11

Tot Ion:105 Resp: 420769

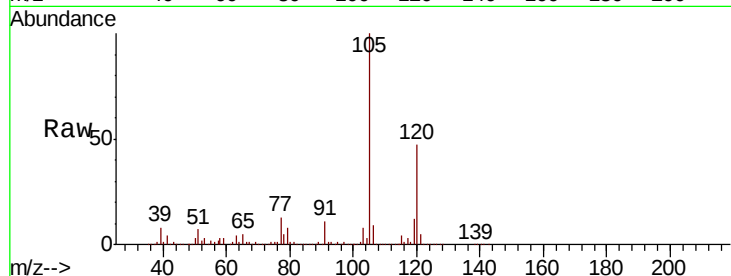
Ion Ratio Lower Upper

105 100

120 47.5 23.4 70.3

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3/30/2019 9:50:38 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.51

400000

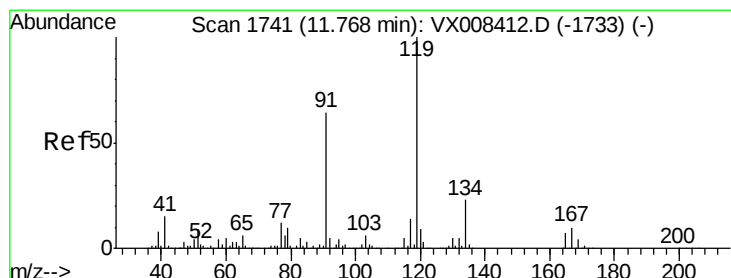
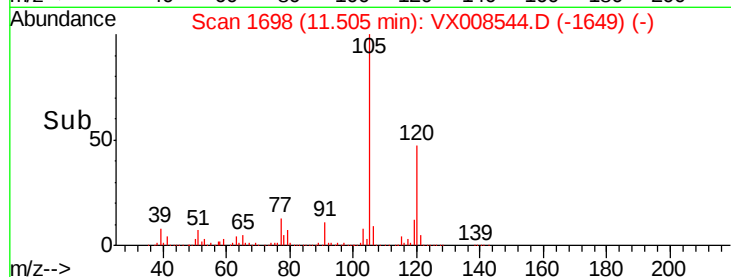
300000

200000

100000

0

Time-->



#83

tert-Butylbenzene

Concen: 2.193 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX008544.D

Acq: 29 Mar 2019 15:26

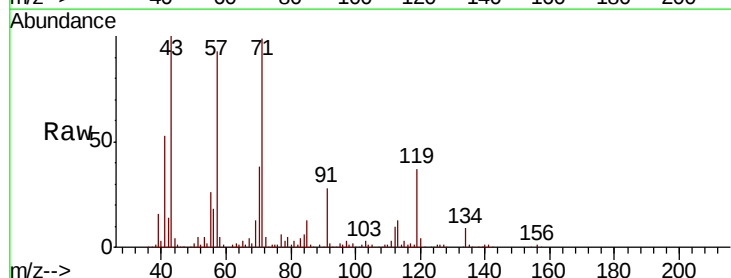
Tgt Ion:119 Resp: 20295

Ion Ratio Lower Upper

119 100

91 72.5 30.1 90.3

134 23.5 10.9 32.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

100000

80000

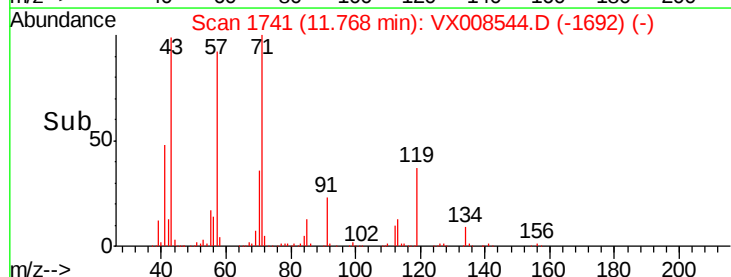
60000

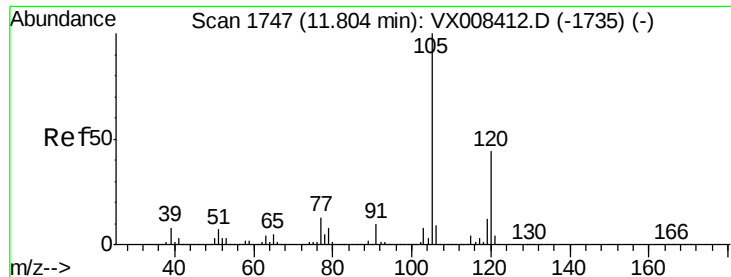
40000

20000

0

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 74.832 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX008544.D

Acq: 29 Mar 2019 15:26

Instrument :

MSVOA_X

ClientSampled :

MW-11

Tot Ion:105 Resp: 725914

Ion Ratio Lower Upper

105 100

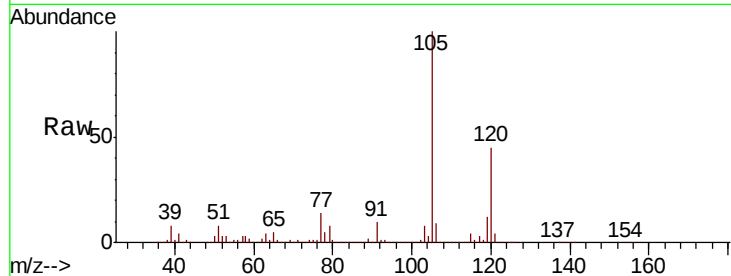
120 44.8 21.6 65.0

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.80

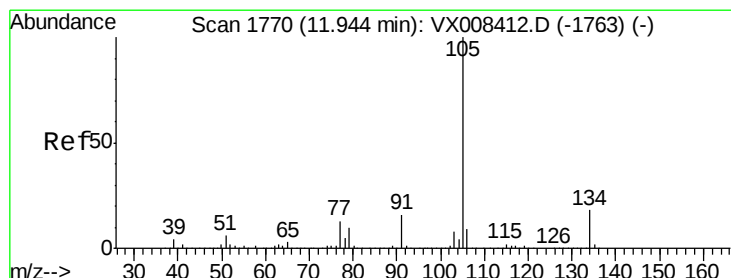
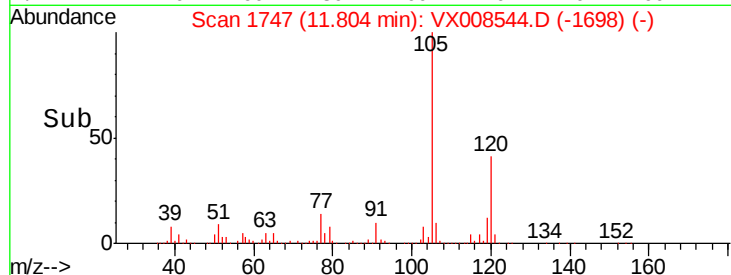
600000

400000

200000

0

Time-->



#85

sec-Butylbenzene

Concen: 1.594 ug/l m

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008544.D

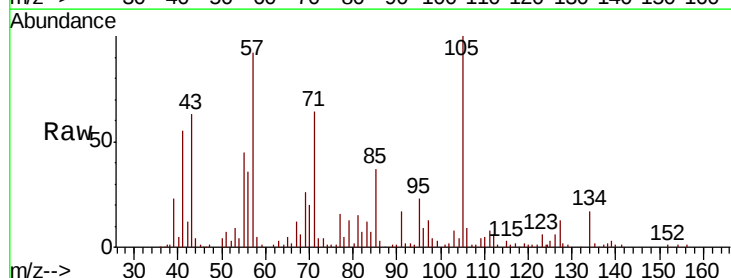
Acq: 29 Mar 2019 15:26

Tgt Ion:105 Resp: 17561

Ion Ratio Lower Upper

105 100

134 0.0 9.3 28.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

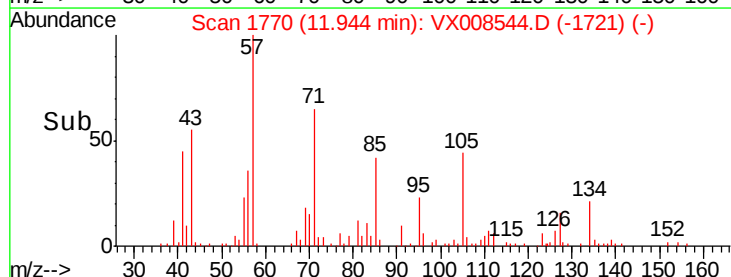
15000

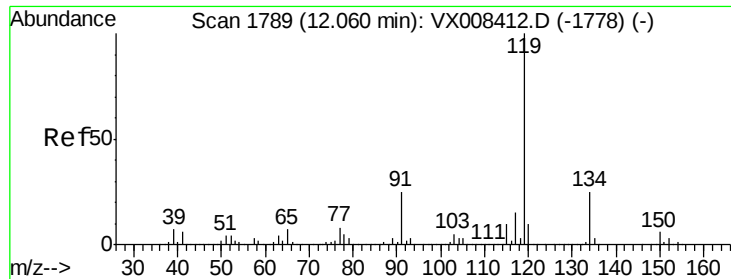
10000

5000

0

Time-->





#86

p-Isopropyltoluene

Concen: 4.631 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008544.D

Acq: 29 Mar 2019 15:26

Instrument :

MSVOA_X

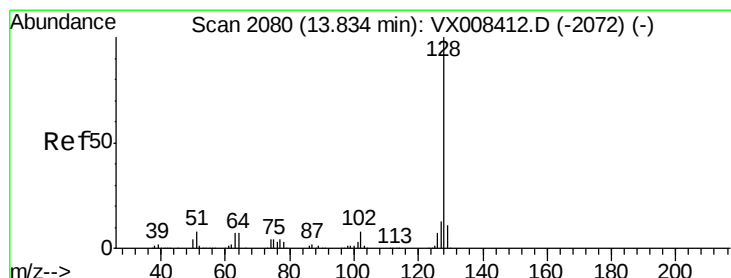
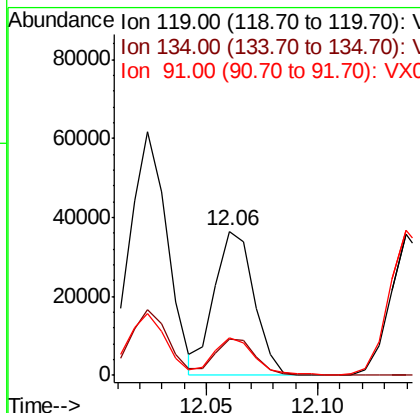
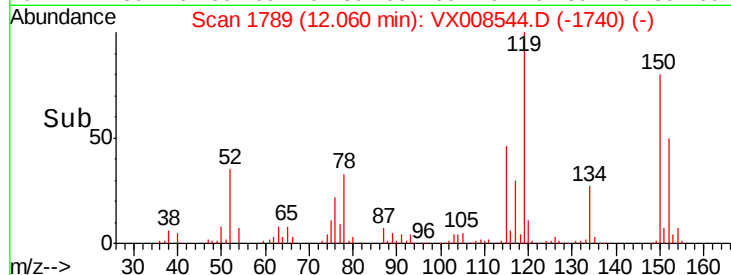
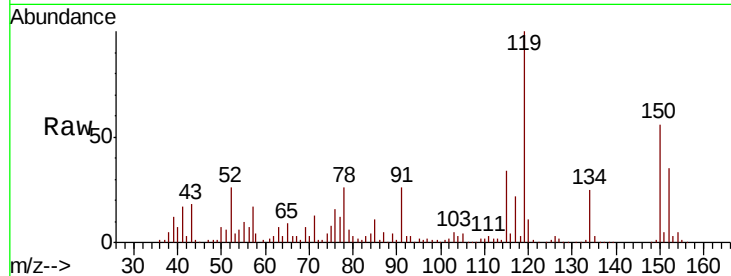
ClientSampled :

MW-11

Tot Ion:	119	Resp:	45031
Ion Ratio	Lower	Upper	
119	100		
134	26.2	12.8	38.4
91	25.6	12.4	37.0

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#95

Naphthalene

Concen: 16.952 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008544.D

Acq: 29 Mar 2019 15:26

Tgt Ion:	128	Resp:	192764
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	11.6	8.7	13.1

