

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032519\
 Data File : VX008440.D
 Acq On : 26 Mar 2019 03:12
 Operator : JC/SP
 Sample : K2059-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 9:47:16 AM

Quant Time: Mar 26 07:24:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 04:58:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	231881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	391159	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	334627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	143127	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	162804	46.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.62%	
35) Dibromofluoromethane	5.49	113	120362	47.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.38%	
50) Toluene-d8	8.71	98	495155	48.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.10%	
62) 4-Bromofluorobenzene	11.13	95	176392	46.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.34%	
Target Compounds						
					Qvalue	
16) Acetone	2.44	43	15282	8.318	ug/l	95
25) 2-Butanone	4.68	43	12957	4.399	ug/l	100
31) Cyclohexane	5.58	56	333745	59.230	ug/l #	95
39) Methylcyclohexane	7.46	83	324018	65.009	ug/l	95
40) Benzene	6.14	78	36497	2.923	ug/l	99
52) Toluene	8.79	92	15151	2.029	ug/l	94
67) Ethyl Benzene	10.25	91	434508	31.637	ug/l	100
68) m/p-Xylenes	10.36	106	79212	15.854	ug/l	99
69) o-Xylene	10.69	106	3200	0.660	ug/l	97
73) Isopropylbenzene	11.02	105	614120	52.741	ug/l	99
78) n-propylbenzene	11.36	91	492821	36.130	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	31558	3.206	ug/l	97
83) tert-Butylbenzene	11.77	119	13267	1.397	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	3485m	0.350	ug/l	
85) sec-Butylbenzene	11.94	105	47101	4.164	ug/l	98
86) p-Isopropyltoluene	12.06	119	19763m	1.980	ug/l	
89) n-Butylbenzene	12.38	91	81773	8.649	ug/l #	66
95) Naphthalene	13.83	128	238621	20.445	ug/l	99

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

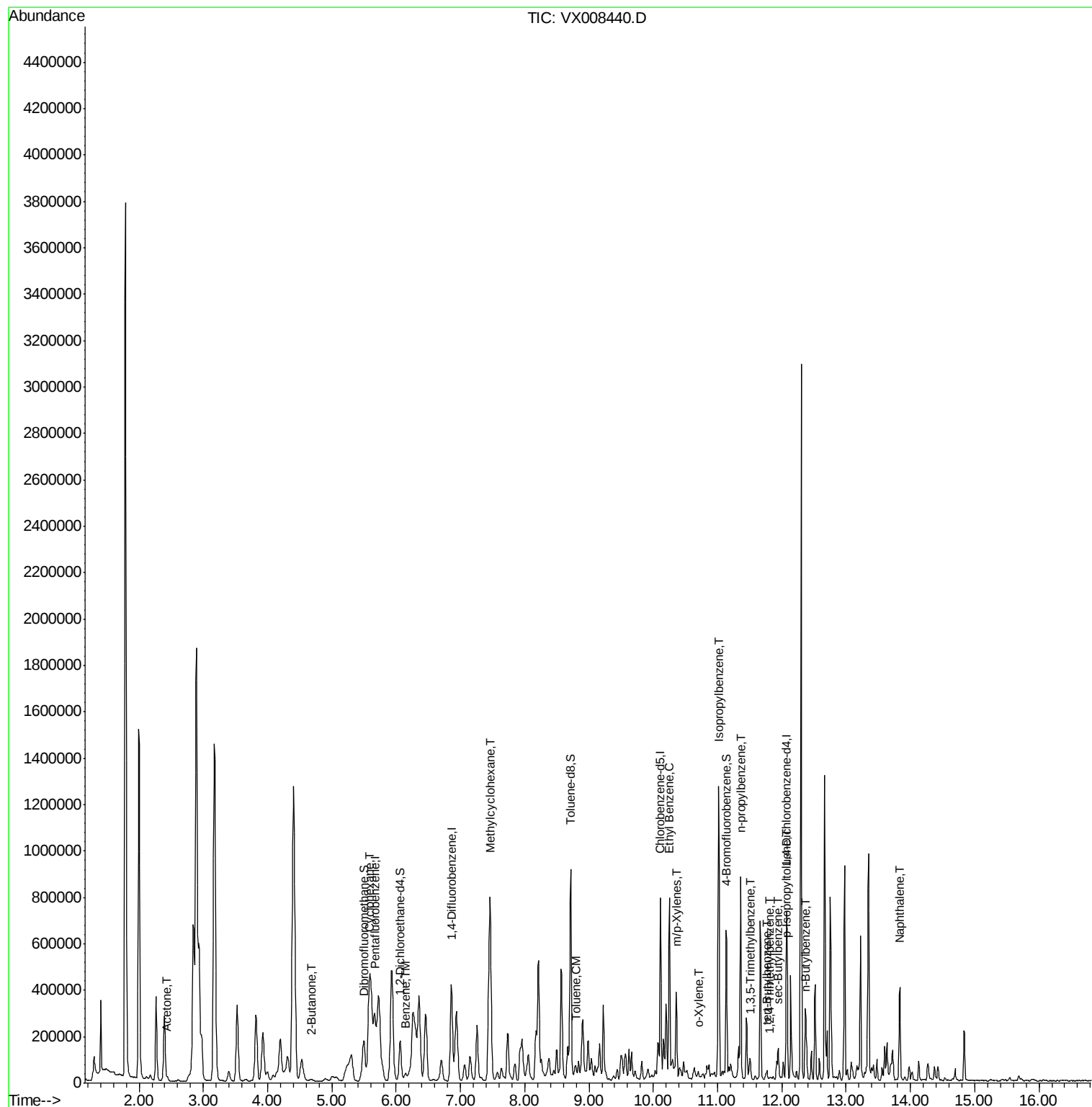
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032519\
Data File : VX008440.D
Acq On : 26 Mar 2019 03:12
Operator : JC/SP
Sample : K2059-05
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 35 Sample Multiplier: 1

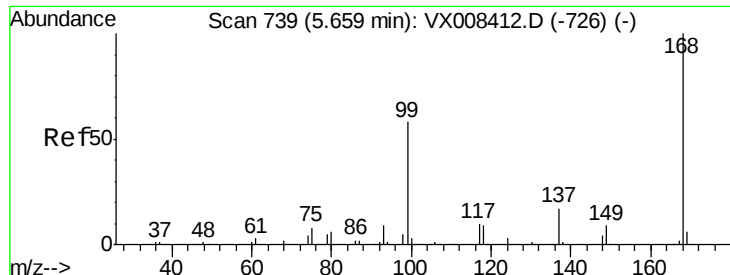
Instrument :
MSVOA_X
ClientSampleId :
MW-2

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Quant Time: Mar 26 07:24:11 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 26 04:58:03 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: VX008440.D

Acq: 26 Mar 2019 03:12

Instrument :

MSVOA_X

ClientSampled :

MW-2

Tot Ion:168 Resp: 231881

Ion Ratio Lower Upper

168 100

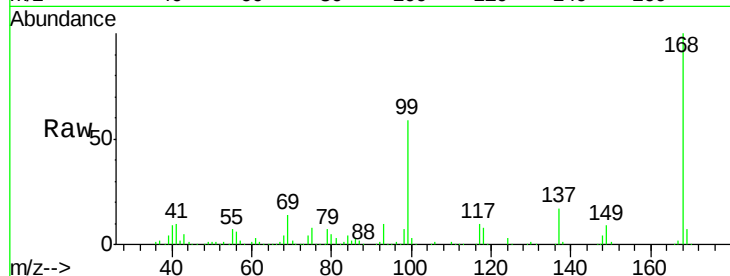
99 59.4 46.0 69.0

Manual Integrations

APPROVED

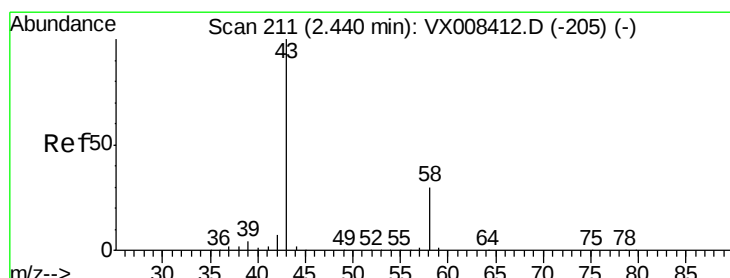
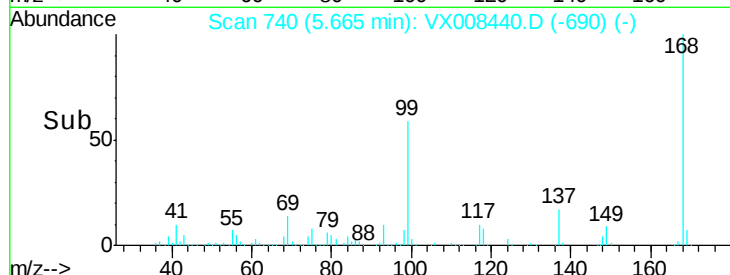
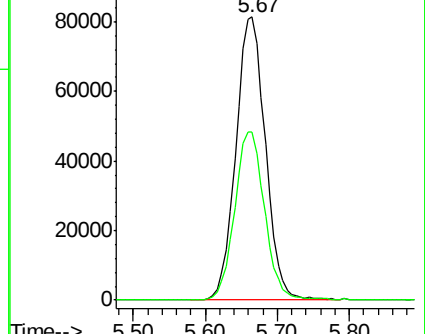
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 8.318 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX008440.D

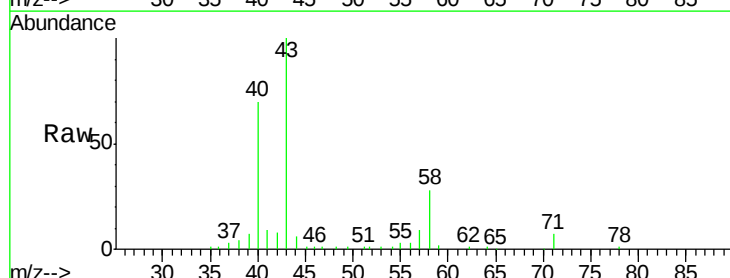
Acq: 26 Mar 2019 03:12

Tgt Ion: 43 Resp: 15282

Ion Ratio Lower Upper

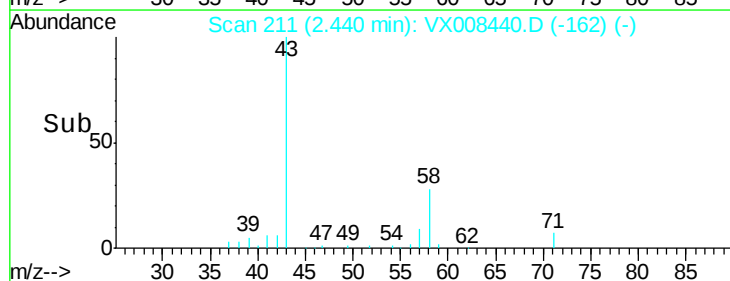
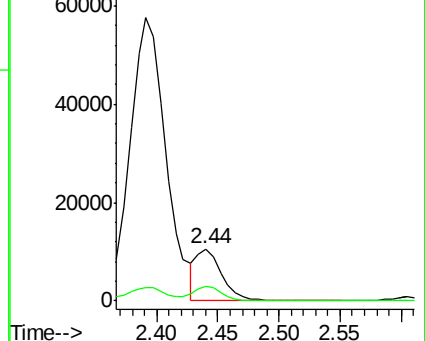
43 100

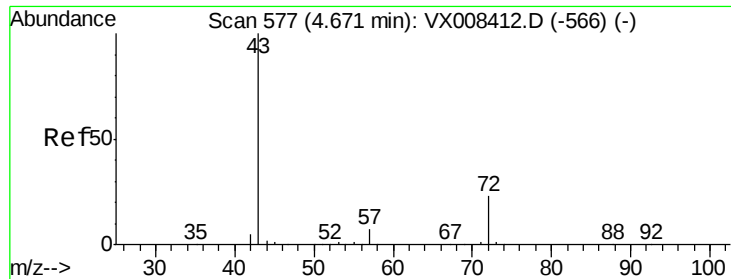
58 27.5 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#25

2-Butanone

Concen: 4.399 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

Instrument :

MSVOA_X

ClientSampled :

MW-2

Tot Ion: 43 Resp: 12957

Ion Ratio Lower Upper

43 100

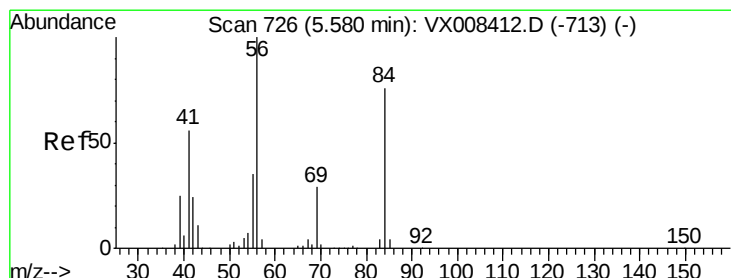
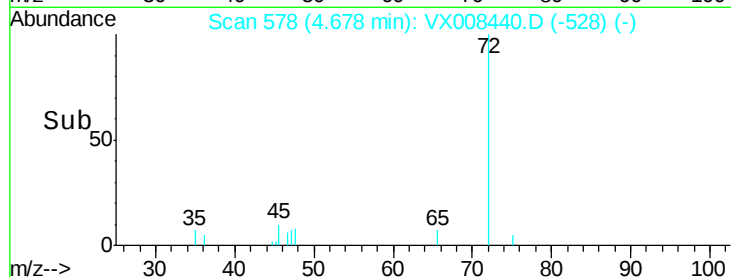
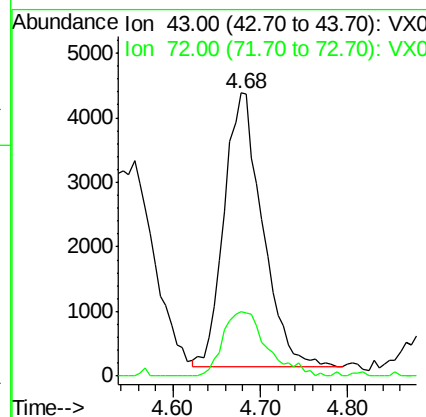
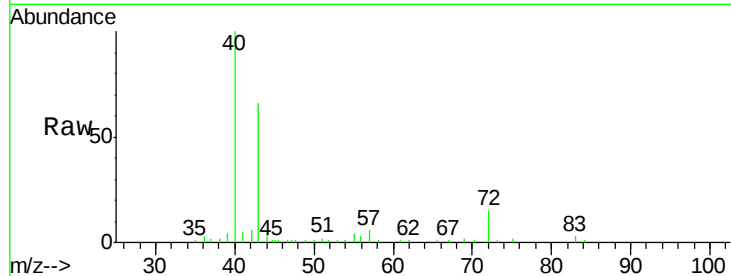
72 23.4 18.6 28.0

Manual Integrations

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#31

Cyclohexane

Concen: 59.230 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

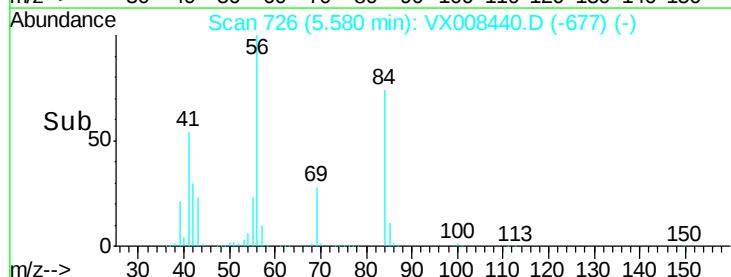
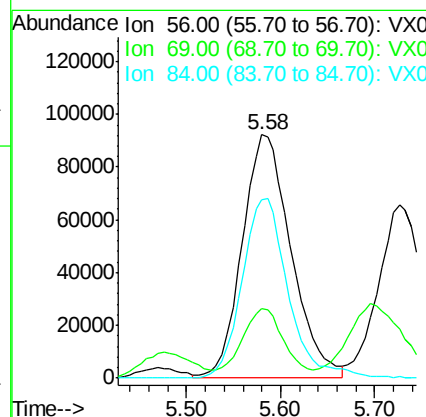
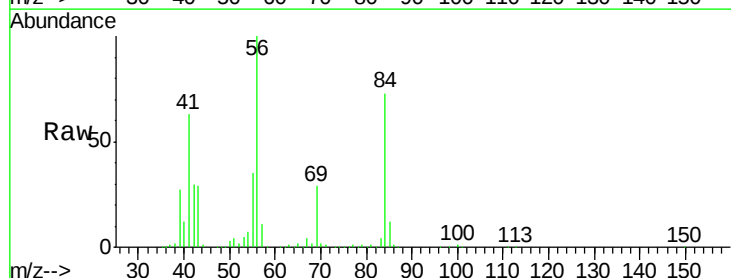
Tgt Ion: 56 Resp: 333745

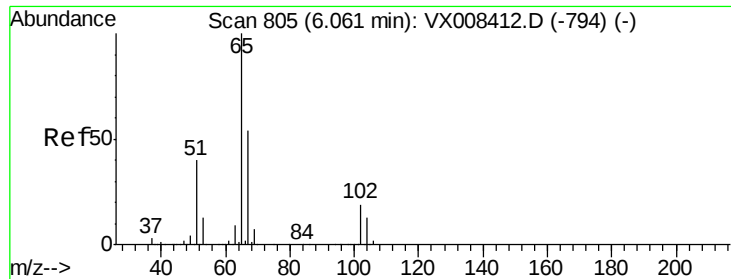
Ion Ratio Lower Upper

56 100

69 22.6 23.2 34.8#

84 74.1 60.7 91.1





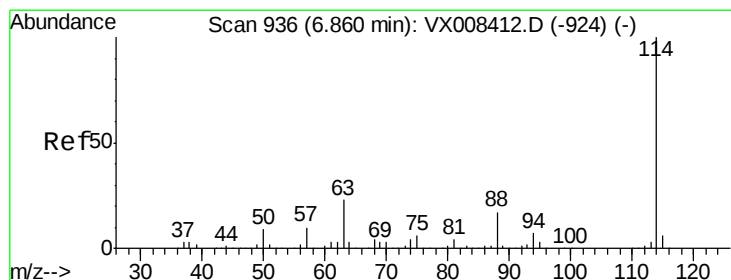
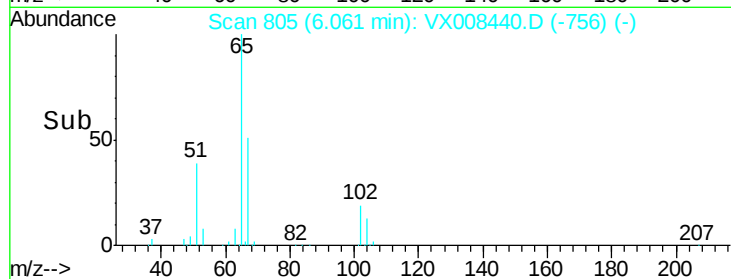
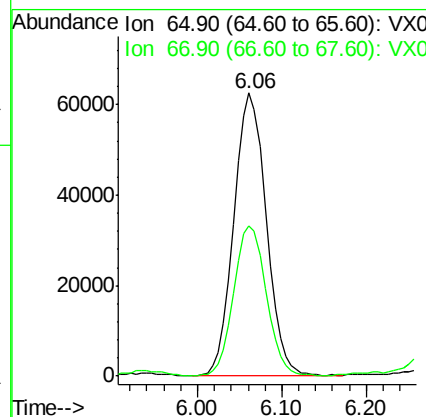
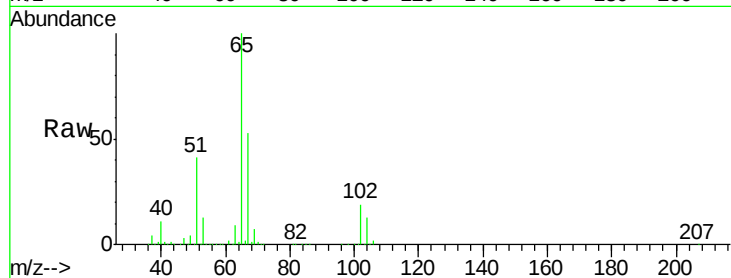
#33
 1,2-Dichloroethane-d4
 Concen: 46.312 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008440.D
 Acq: 26 Mar 2019 03:12

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	109.4

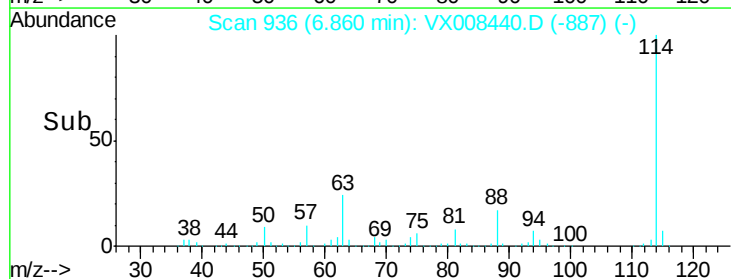
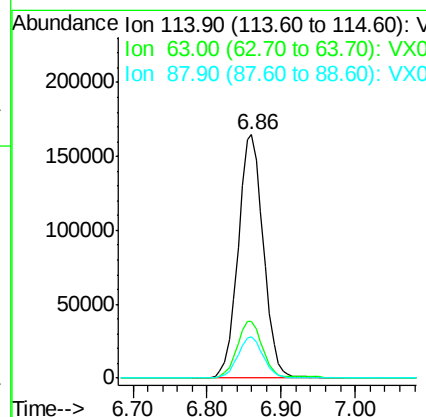
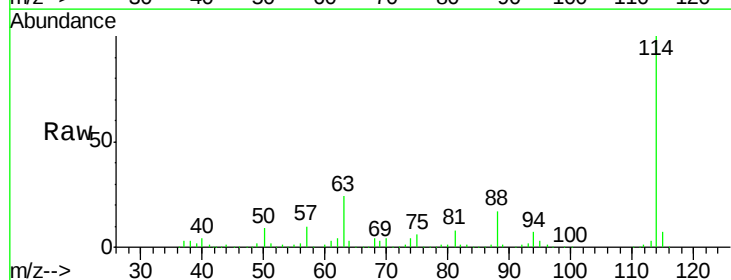
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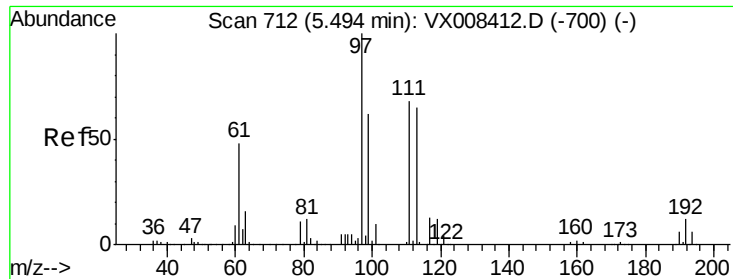
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008440.D
 Acq: 26 Mar 2019 03:12

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	46.4
88	16.8	0.0	33.2





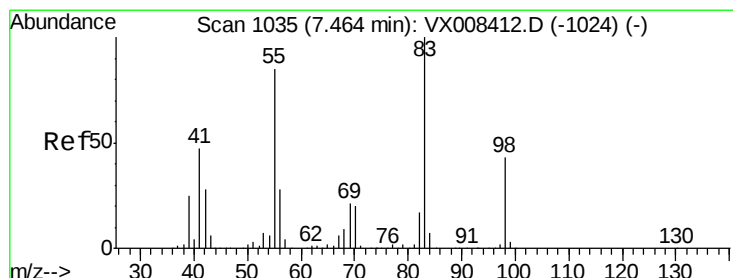
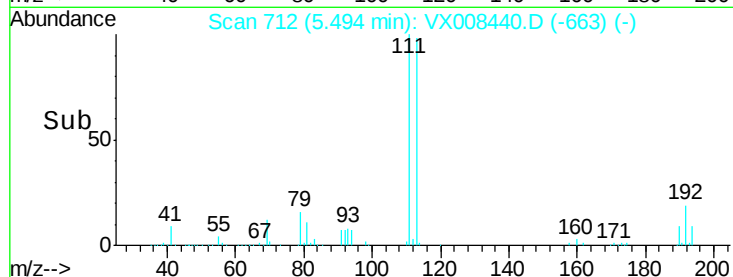
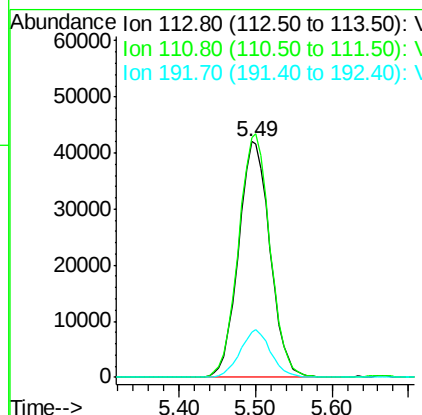
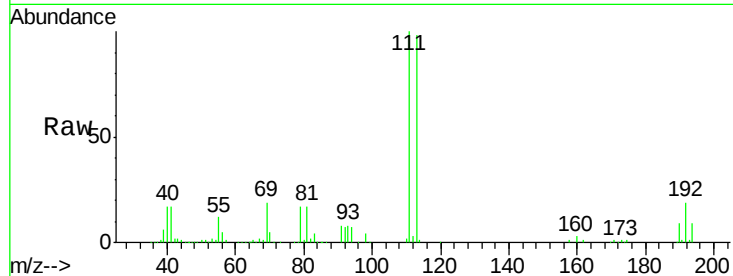
#35
Dibromofluoromethane
Concen: 47.191 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX008440.D
Acq: 26 Mar 2019 03:12

Instrument :
MSVOA_X
ClientSampled :
MW-2

Tot Ion	Ratio	Resp	Lower	Upper
113	100	120362		
111	103.1	83.0	124.4	
192	19.5	15.6	23.4	

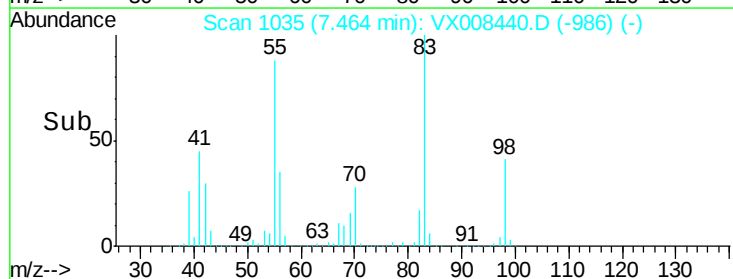
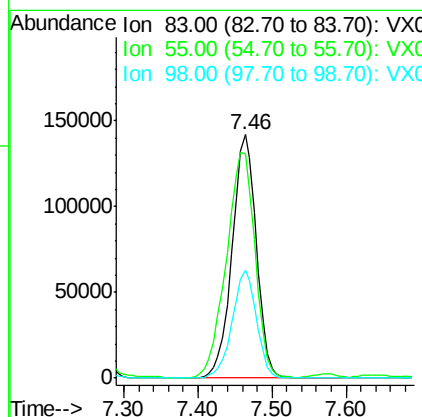
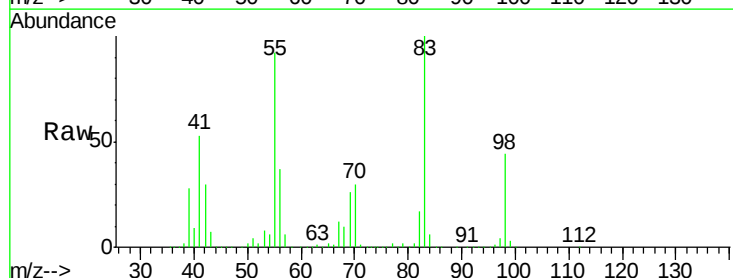
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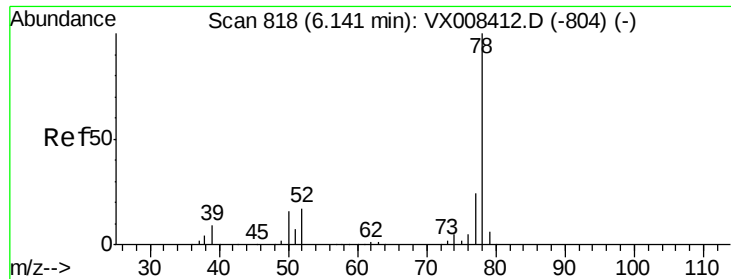
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#39
Methylcyclohexane
Concen: 65.009 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX008440.D
Acq: 26 Mar 2019 03:12

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	324018		
55	91.8	68.2	102.4	
98	44.2	34.2	51.4	





#40

Benzene

Concen: 2.923 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

Instrument :

MSVOA_X

ClientSampled :

MW-2

Tot Ion: 78 Resp: 36497

Ion Ratio Lower Upper

78 100

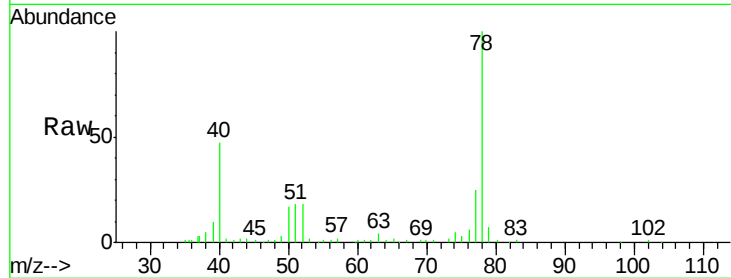
77 24.7 19.3 28.9

Manual Integrations

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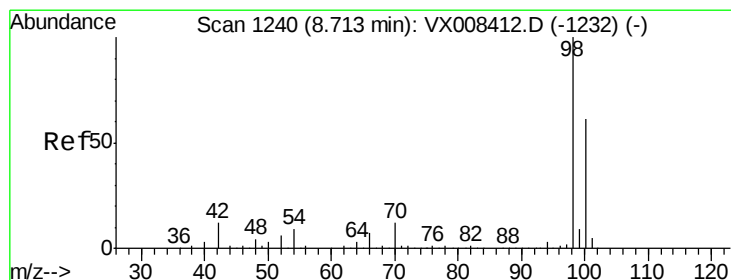
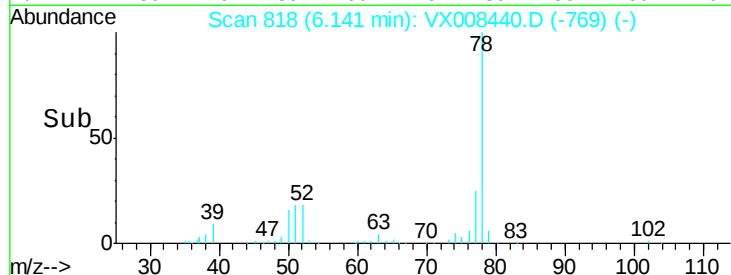
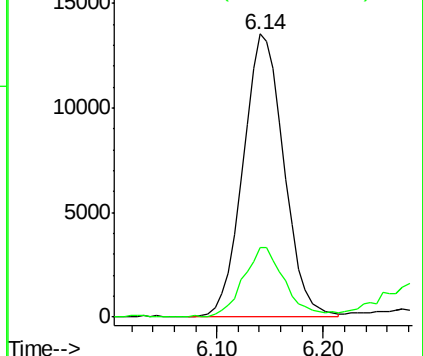
MMDadoda

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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 48.551 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008440.D

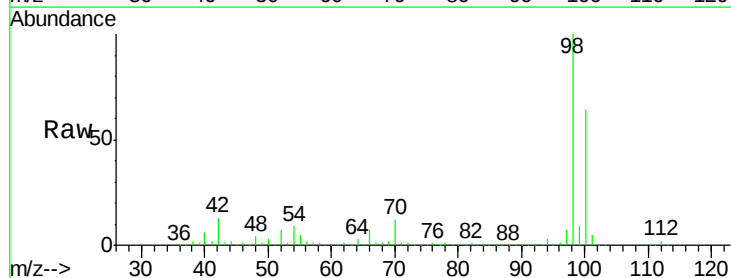
Acq: 26 Mar 2019 03:12

Tgt Ion: 98 Resp: 495155

Ion Ratio Lower Upper

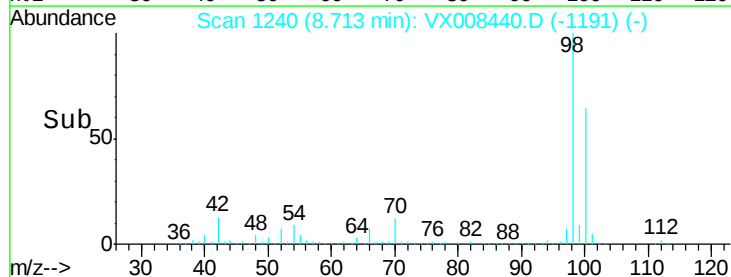
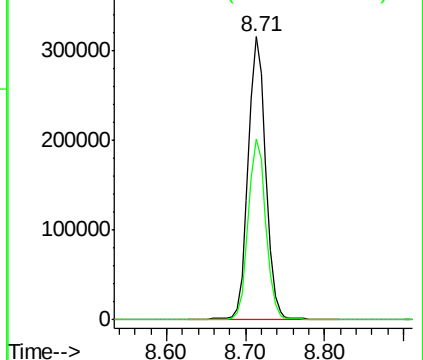
98 100

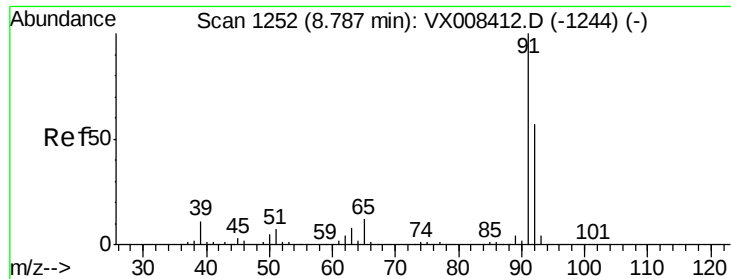
100 63.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 2.029 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

Instrument :

MSVOA_X

ClientSampleId :

MW-2

Tot Ion: 92 Resp: 15151

Ion Ratio Lower Upper

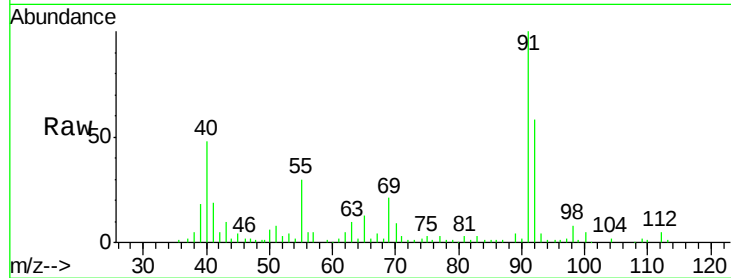
92 100

91 167.5 140.2 210.4

Manual Integrations
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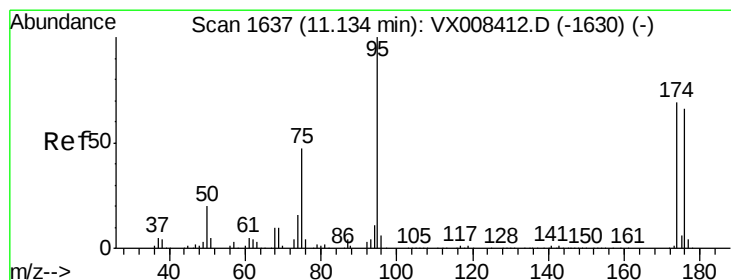
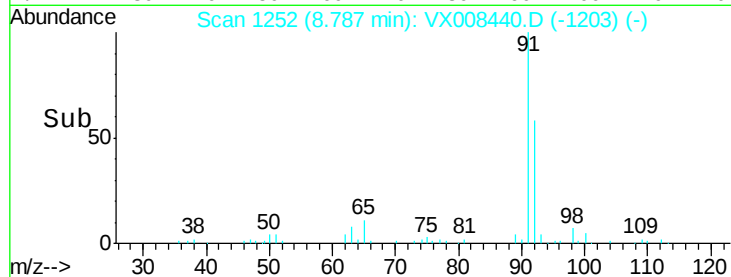
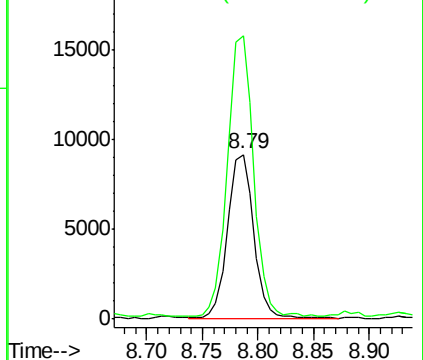
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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 46.674 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

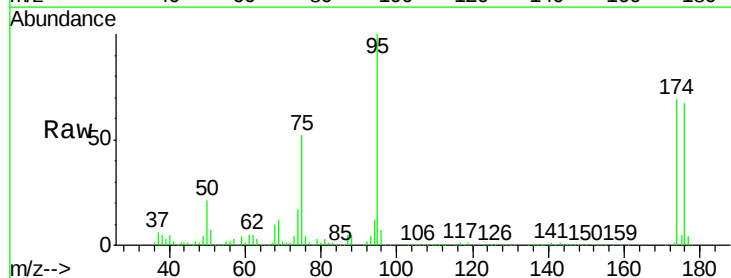
Tgt Ion: 95 Resp: 176392

Ion Ratio Lower Upper

95 100

174 70.0 0.0 147.2

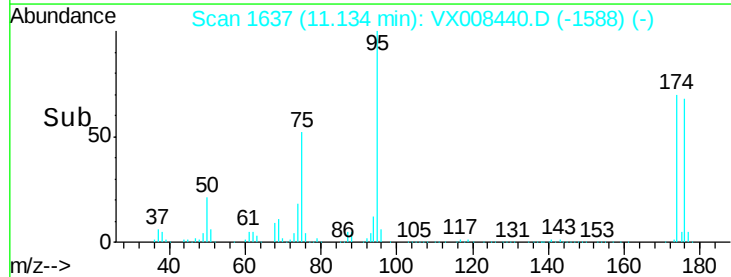
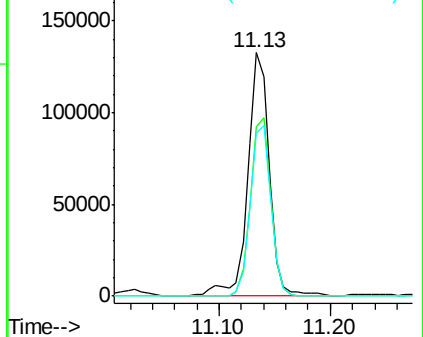
176 67.7 0.0 142.4

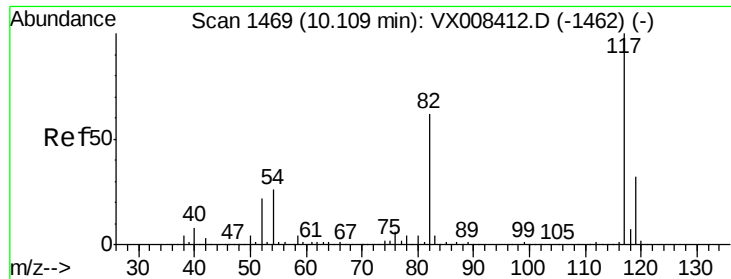


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





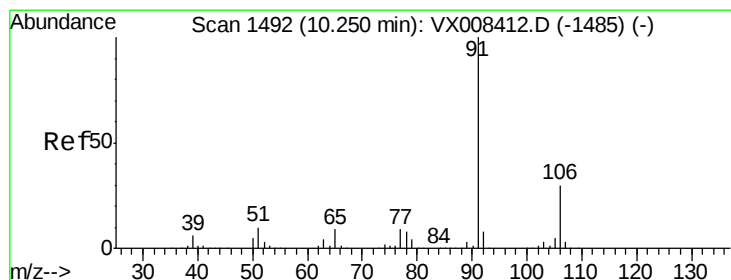
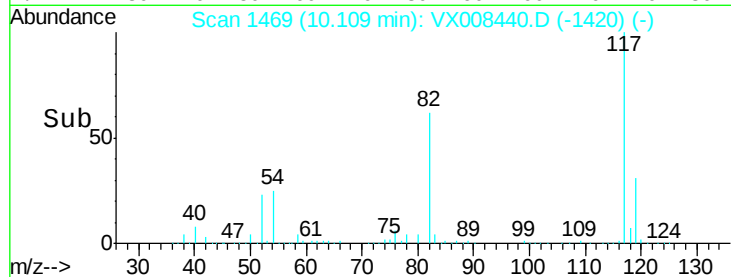
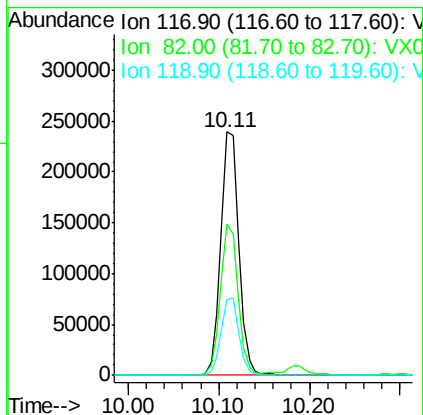
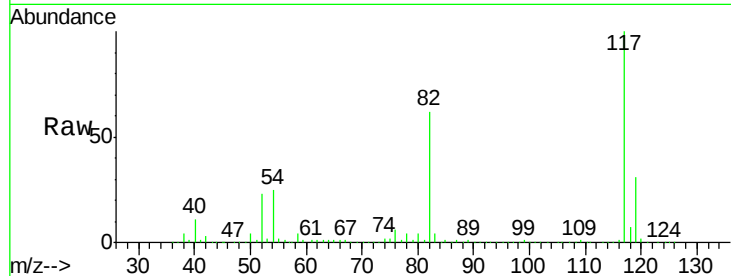
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008440.D
Acq: 26 Mar 2019 03:12

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.1	49.4	74.2
119	31.4	25.4	38.0

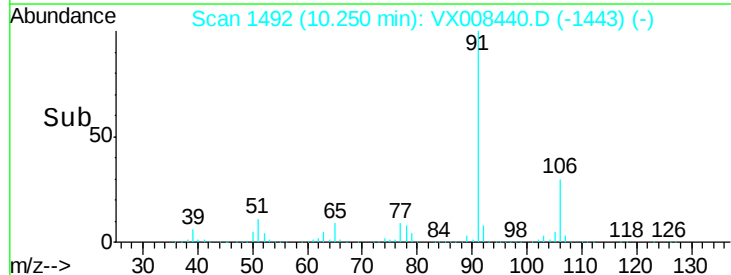
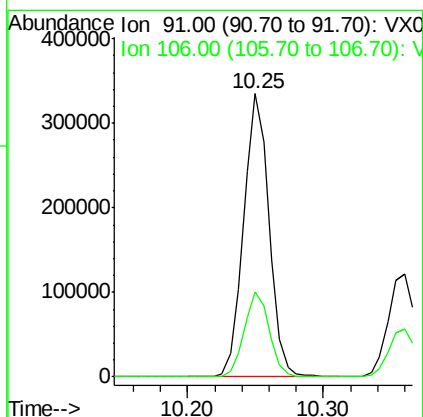
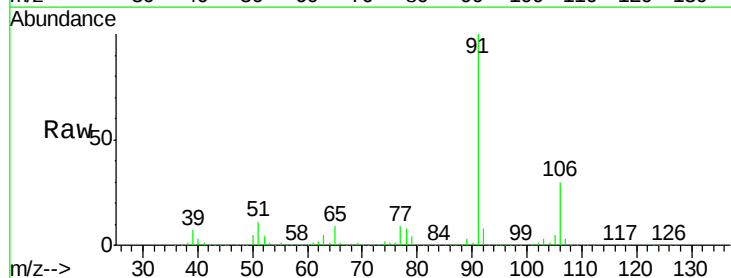
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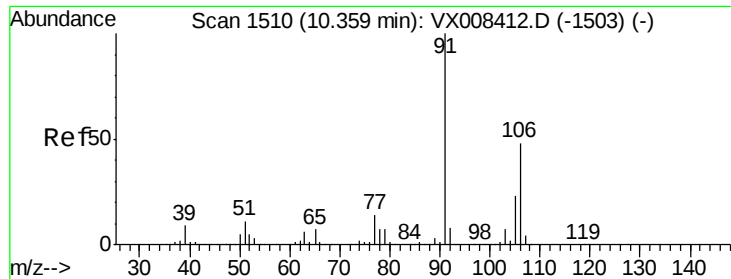
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#67
Ethyl Benzene
Concen: 31.637 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX008440.D
Acq: 26 Mar 2019 03:12

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.0	36.0





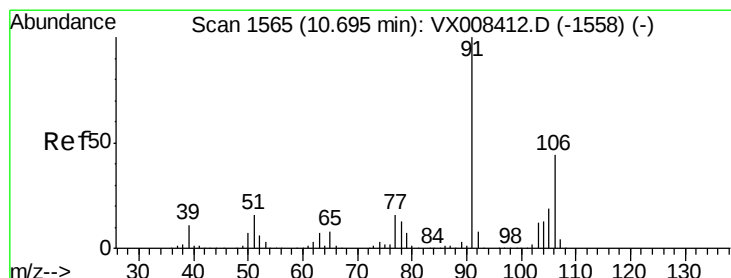
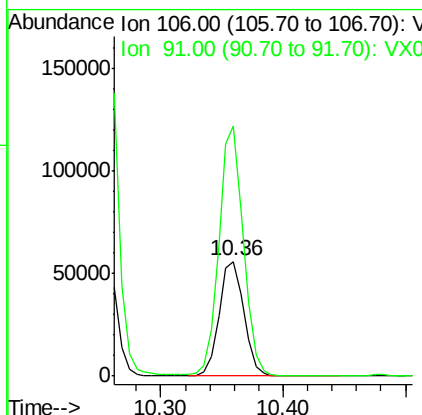
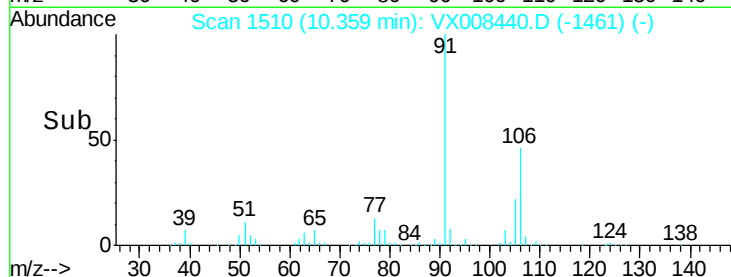
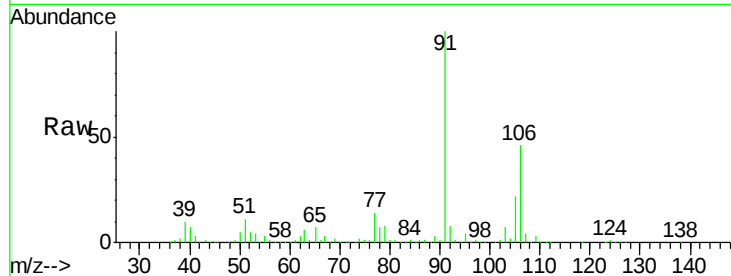
#68
m/p-Xylenes
Concen: 15.854 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX008440.D
Acq: 26 Mar 2019 03:12

Instrument :
MSVOA_X
ClientSampled :
MW-2

Tot Ion:106 Resp: 79212
Ion Ratio Lower Upper
106 100
91 212.5 168.6 253.0

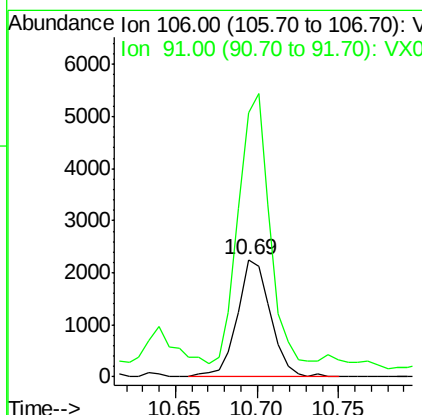
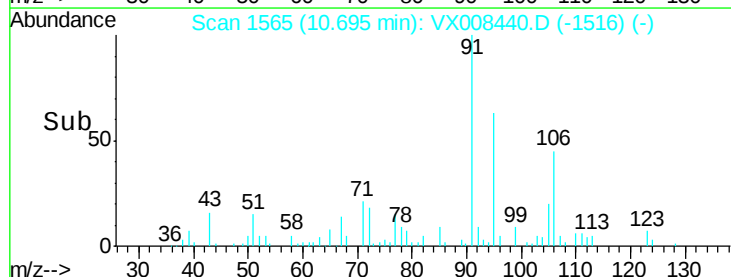
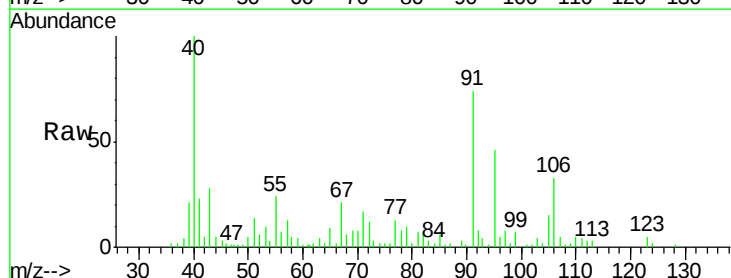
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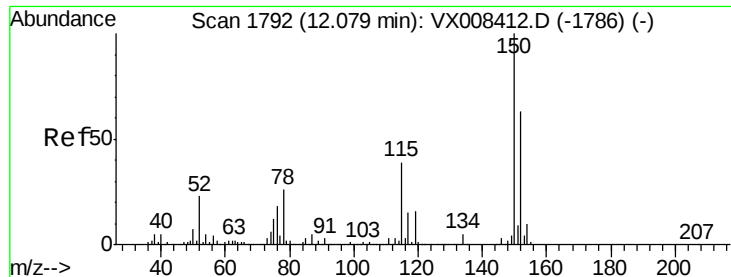
MMDadoda
3/26/2019 9:47:16 AM



#69
o-Xylene
Concen: 0.660 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX008440.D
Acq: 26 Mar 2019 03:12

Tgt Ion:106 Resp: 3200
Ion Ratio Lower Upper
106 100
91 218.5 111.4 334.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

Instrument :

MSVOA_X

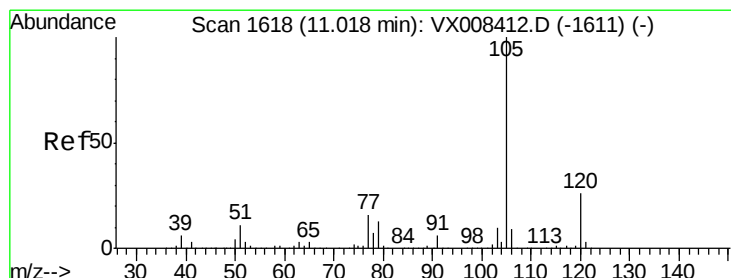
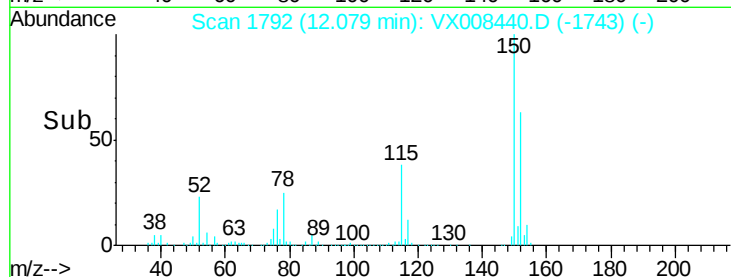
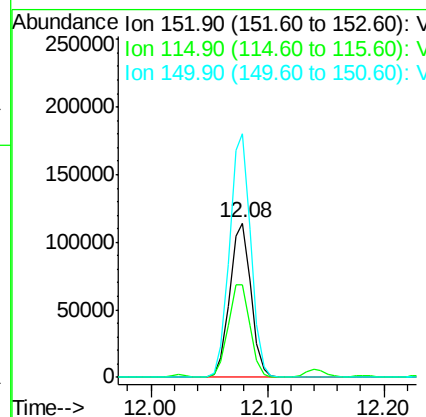
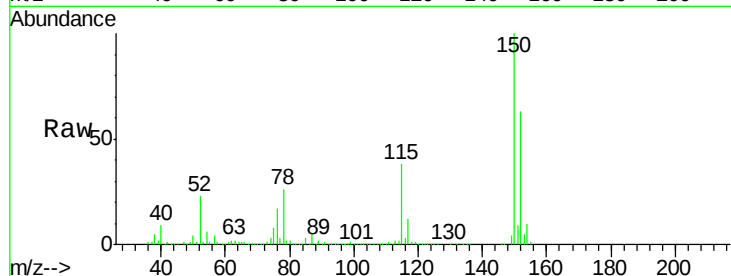
ClientSampled :

MW-2

Tot Ion:	152	Resp:	143127
Ion Ratio	Lower	Upper	
152	100		
115	61.9	43.5	130.5
150	158.3	0.0	348.8

Manual Integrations
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#73

Isopropylbenzene

Concen: 52.741 ug/l

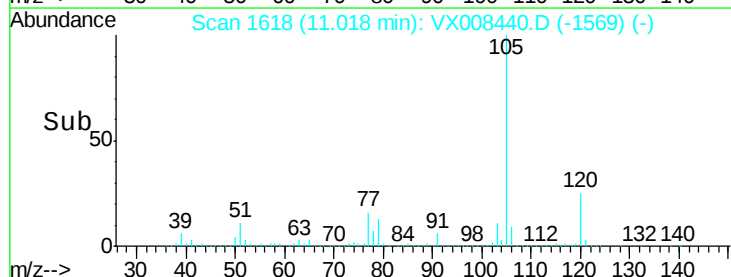
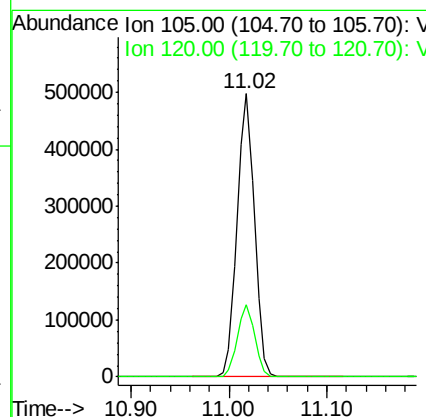
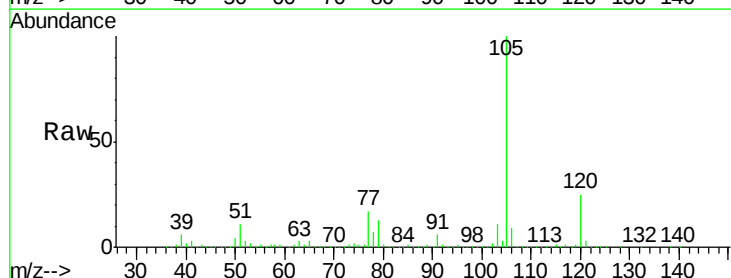
RT: 11.02 min Scan# 1618

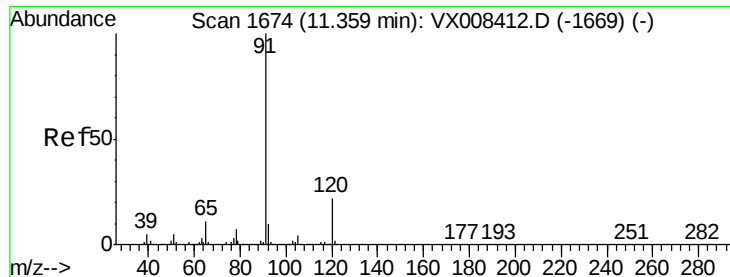
Delta R.T. 0.00 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

Tgt Ion:	105	Resp:	614120
Ion Ratio	Lower	Upper	
105	100		
120	25.4	12.9	38.7





#78

n-propylbenzene

Concen: 36.130 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

Instrument :

MSVOA_X

ClientSampleId :

MW-2

Tot Ion: 91 Resp: 492821

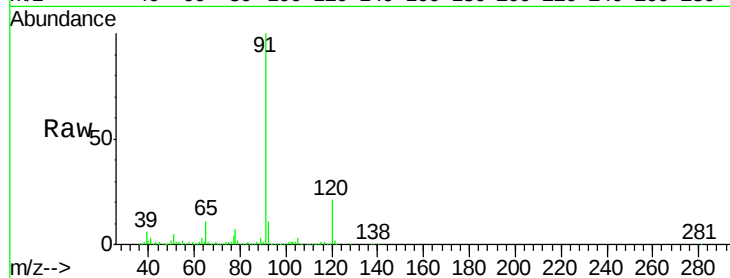
Ion Ratio Lower Upper

91 100

120 21.4 10.8 32.4

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.36

400000

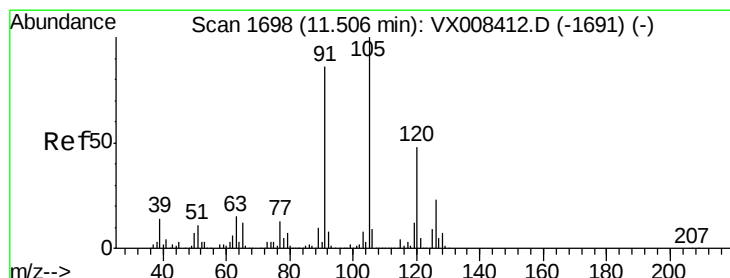
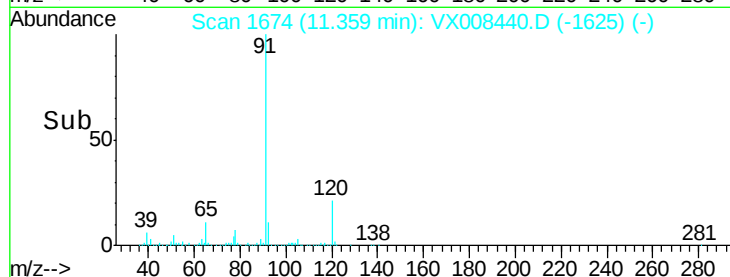
300000

200000

100000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 3.206 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008440.D

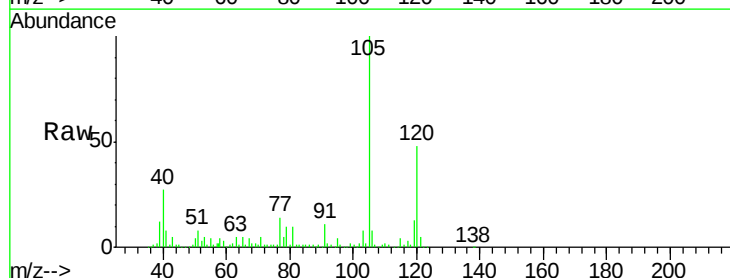
Acq: 26 Mar 2019 03:12

Tgt Ion:105 Resp: 31558

Ion Ratio Lower Upper

105 100

120 48.6 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.51

100000

80000

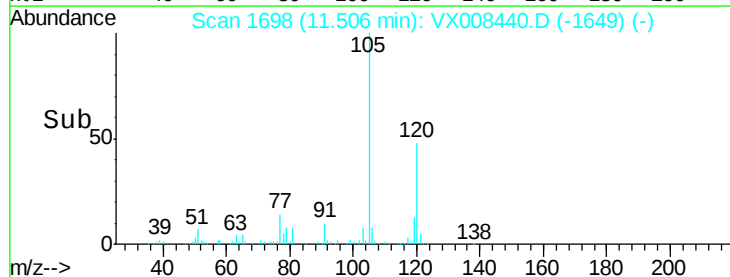
60000

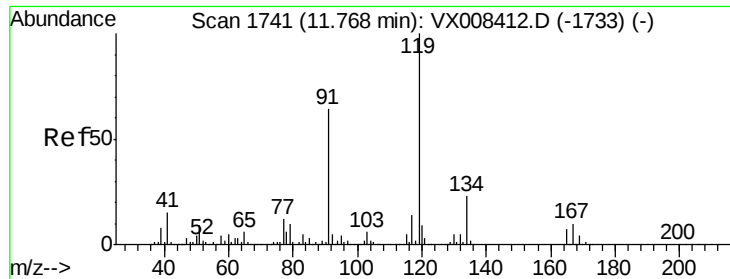
40000

20000

0

Time-->





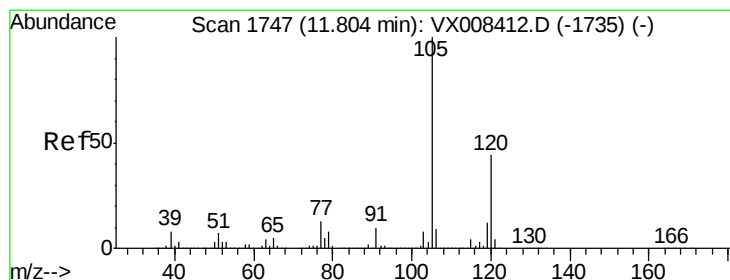
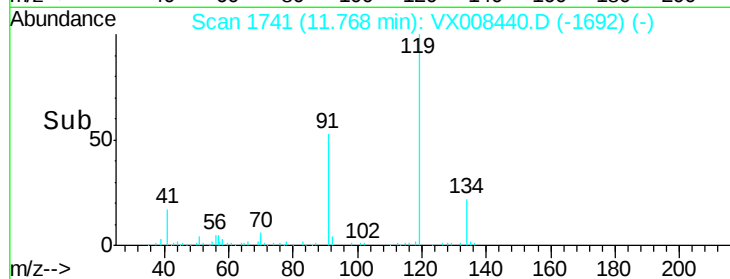
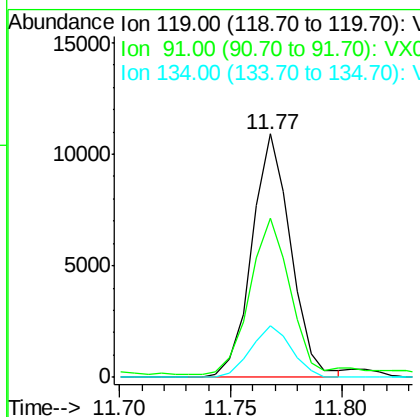
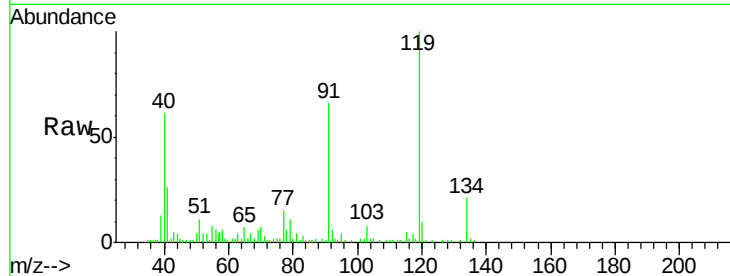
#83
 tert-Butylbenzene
 Concen: 1.397 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX008440.D
 Acq: 26 Mar 2019 03:12

Instrument :
 MSVOA_X
 ClientSampled :
 MW-2

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.9	30.1	90.3
134	22.0	10.9	32.9

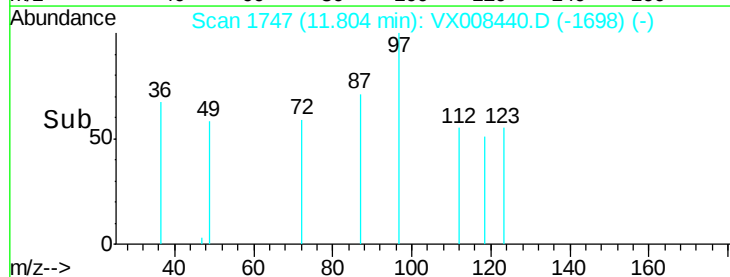
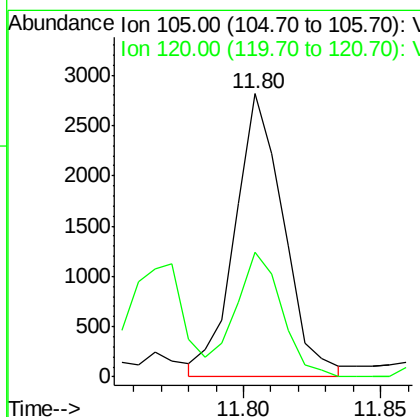
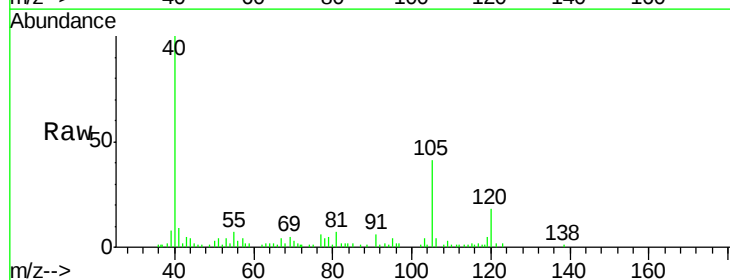
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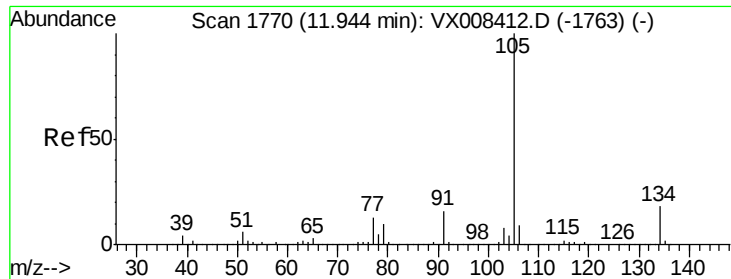
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#84
 1,2,4-Trimethylbenzene
 Concen: 0.350 ug/l m
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX008440.D
 Acq: 26 Mar 2019 03:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	2692.3	21.6	65.0#





#85

sec-Butylbenzene

Concen: 4.164 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

Instrument :

MSVOA_X

ClientSampled :

MW-2

Tot Ion:105 Resp: 47101

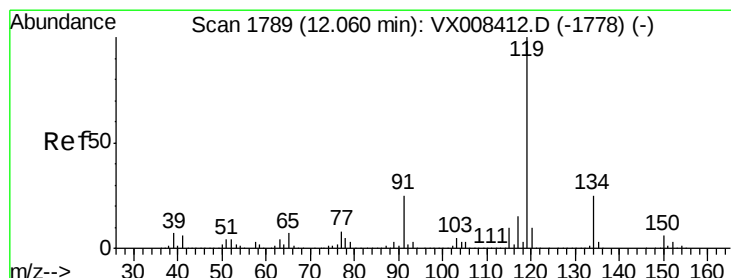
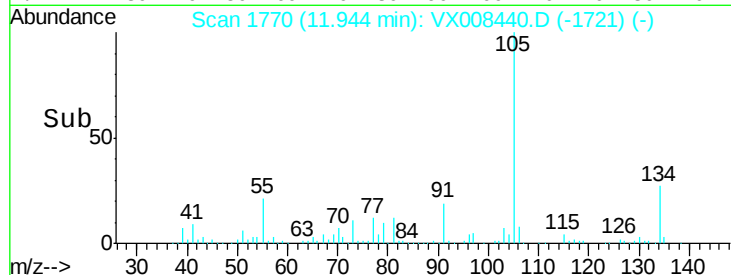
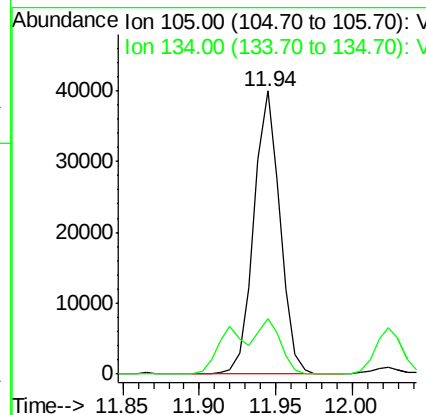
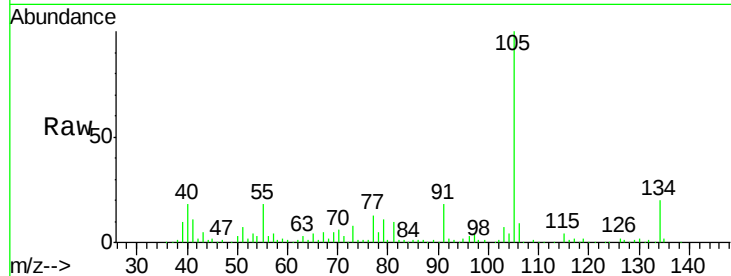
Ion Ratio Lower Upper

105 100

134 17.8 9.3 28.0

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#86

p-Isopropyltoluene

Concen: 1.980 ug/l m

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX008440.D

Acq: 26 Mar 2019 03:12

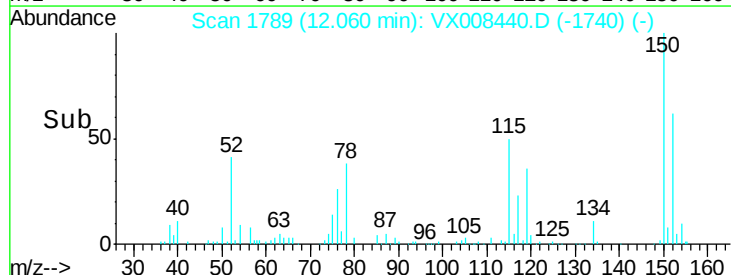
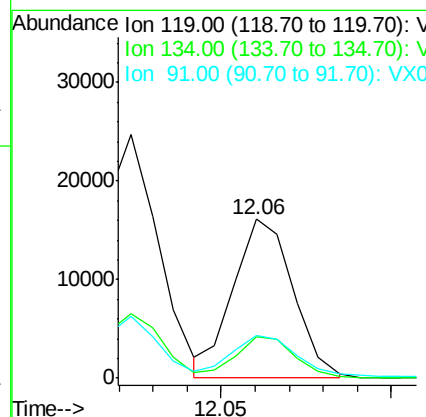
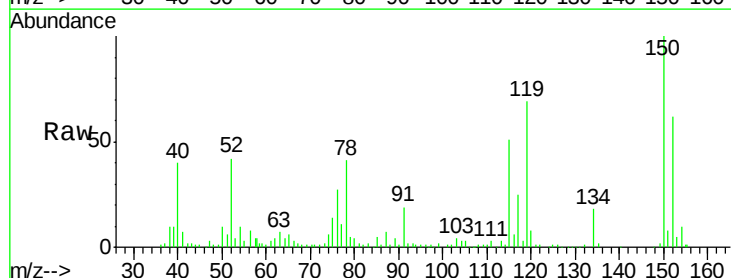
Tgt Ion:119 Resp: 19763

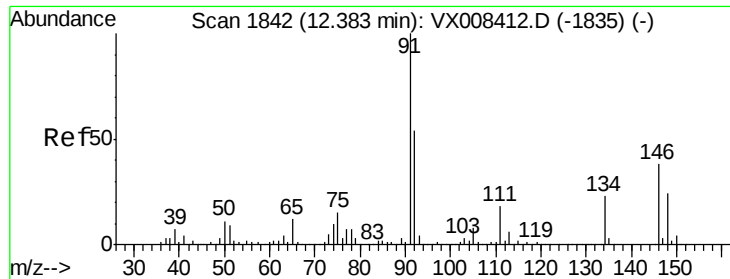
Ion Ratio Lower Upper

119 100

134 40.2 12.8 38.4#

91 35.8 12.4 37.0





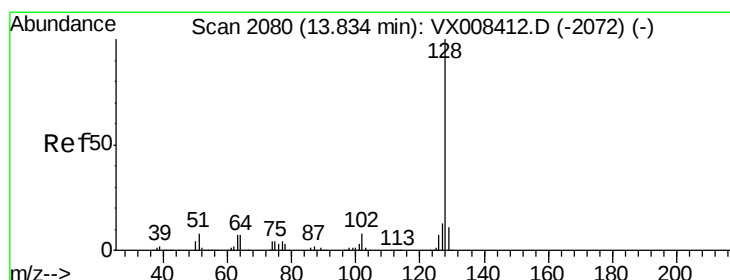
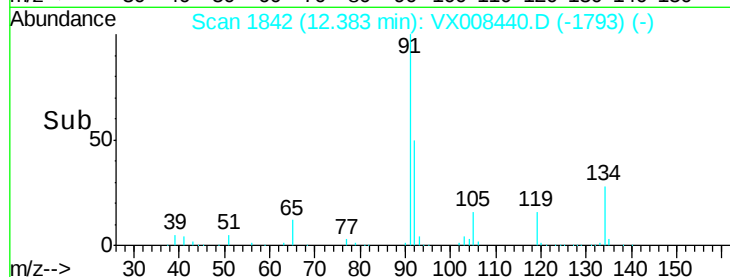
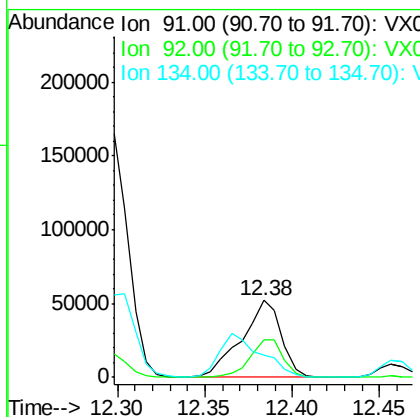
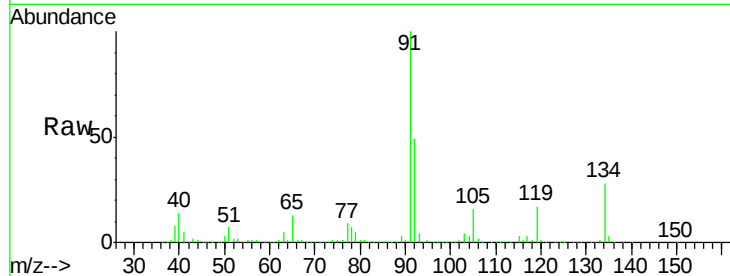
#89
n-Butylbenzene
Concen: 8.649 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008440.D
Acq: 26 Mar 2019 03:12

Instrument :
MSVOA_X
ClientSampled :
MW-2

Tot Ion	Ratio	Lower	Upper
91	100		
92	42.1	26.5	79.5
134	60.6	11.8	35.4

Manual Integrations
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#95
Naphthalene
Concen: 20.445 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX008440.D
Acq: 26 Mar 2019 03:12

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.5	8.7	13.1

