

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062819\
 Data File : VX010536.D
 Acq On : 28 Jun 2019 15:48
 Operator : JC/SP
 Sample : K3565-03DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0570DL

Manual Integrations
 APPROVED

MMDadoda
 7/1/2019 11:35:49 AM

Quant Time: Jun 29 05:37:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	267317	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	418240	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	419813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	247263	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	127015	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
35) Dibromofluoromethane	5.49	113	121291	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	
50) Toluene-d8	8.71	98	530173	54.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.30%	
62) 4-Bromofluorobenzene	11.13	95	200334	56.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.36%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.57	56	24340	6.723	ug/l	95
39) Methylcyclohexane	7.46	83	18146	4.154	ug/l	95
40) Benzene	6.14	78	178858	17.273	ug/l	98
67) Ethyl Benzene	10.25	91	273583	19.014	ug/l	100
68) m/p-Xylenes	10.35	106	305025	54.710	ug/l	100
69) o-Xylene	10.70	106	3026	0.552	ug/l	96
73) Isopropylbenzene	11.02	105	31869	1.901	ug/l	98
78) n-propylbenzene	11.36	91	44820	2.433	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	37534	2.716	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	165190	11.899	ug/l	97
86) p-Isopropyltoluene	12.06	119	6491m	0.431	ug/l	
89) n-Butylbenzene	12.38	91	4060	0.317	ug/l #	34
95) Naphthalene	13.83	128	39070	2.258	ug/l	100

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

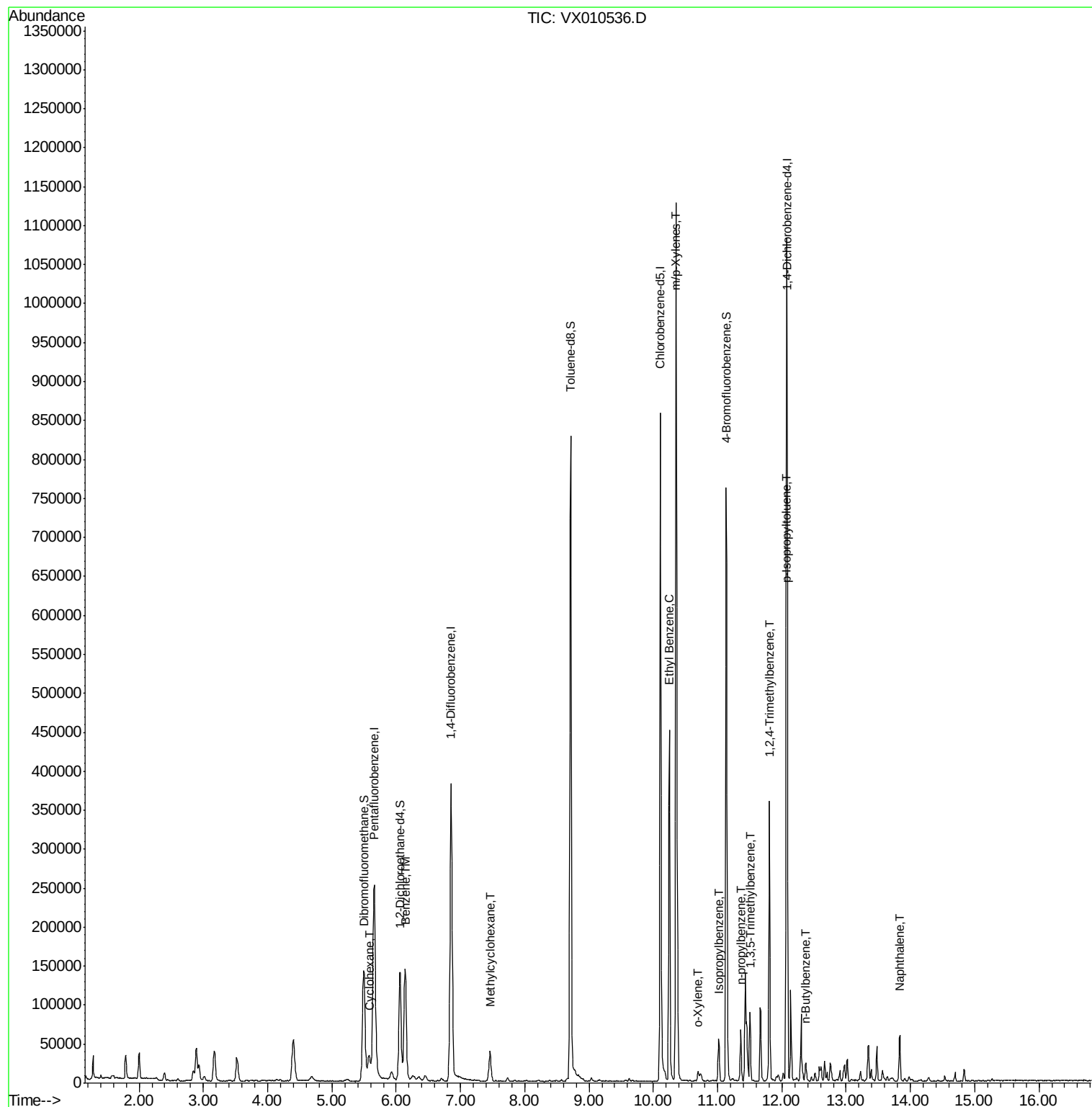
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062819\
Data File : VX010536.D
Acq On : 28 Jun 2019 15:48
Operator : JC/SP
Sample : K3565-03DL 10X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

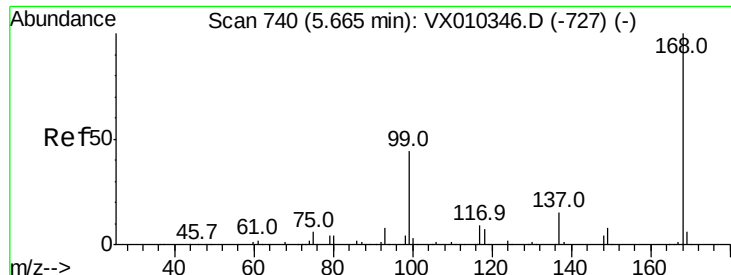
Instrument :
MSVOA_X
ClientSampleID :
FL-0570DL

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Quant Time: Jun 29 05:37:58 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010536.D

Acq: 28 Jun 2019 15:48

Instrument :

MSVOA_X

ClientSampled :

FL-0570DL

Tot Ion:168 Resp: 267317

Ion Ratio Lower Upper

168 100

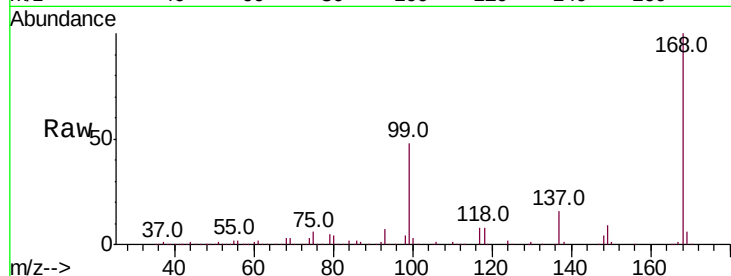
99 47.5 35.5 53.3

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

100000

80000

60000

40000

20000

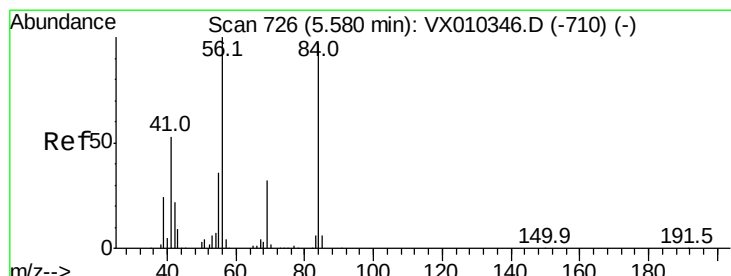
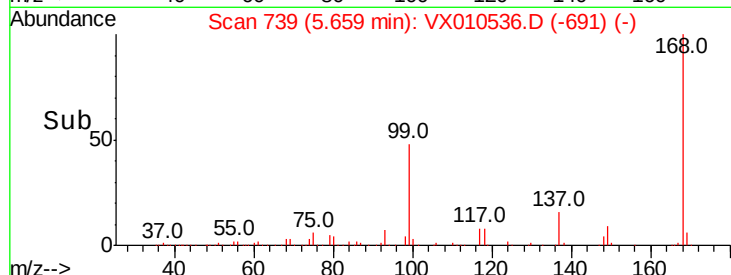
0

5.66

5.60

5.70

Time-->



#31

Cyclohexane

Concen: 6.723 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010536.D

Acq: 28 Jun 2019 15:48

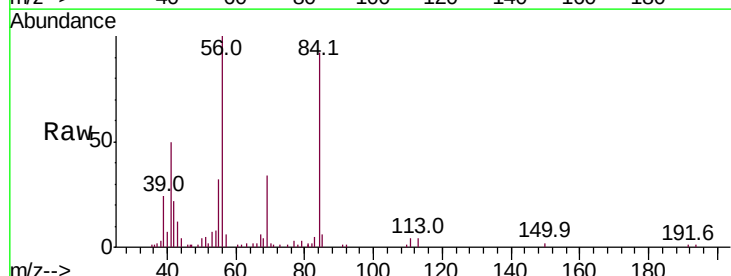
Tgt Ion: 56 Resp: 24340

Ion Ratio Lower Upper

56 100

69 32.7 25.9 38.9

84 91.5 78.0 117.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

10000

8000

6000

4000

2000

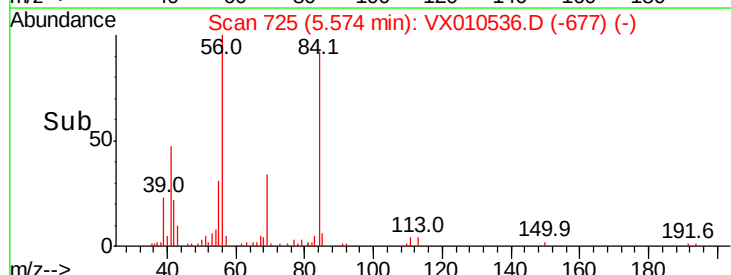
0

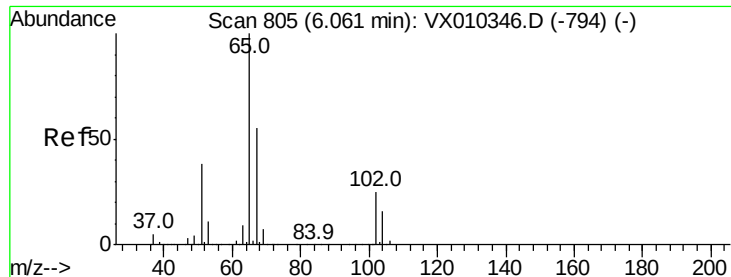
5.57

5.50

5.60

Time-->





#33

1,2-Dichloroethane-d4

Concen: 50.677 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX010536.D

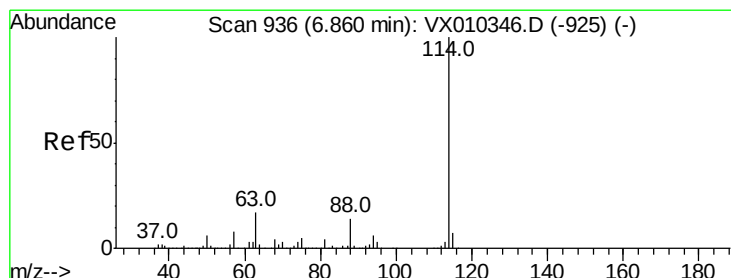
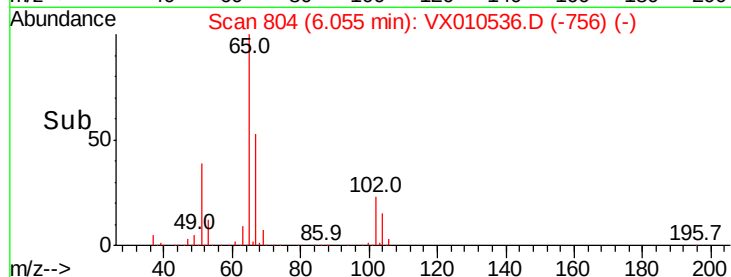
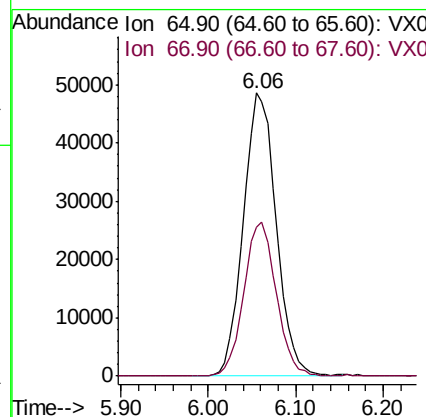
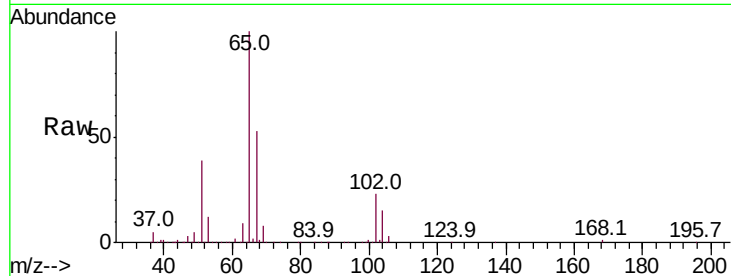
Acq: 28 Jun 2019 15:48

Instrument :
MSVOA_X
ClientSampled :
FL-0570DL

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.3	0.0	110.2	

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

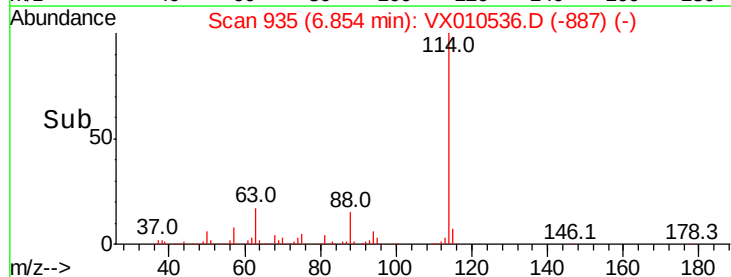
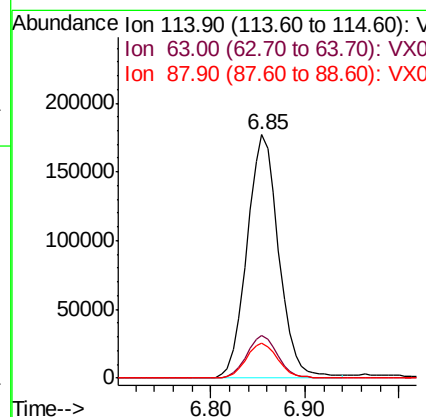
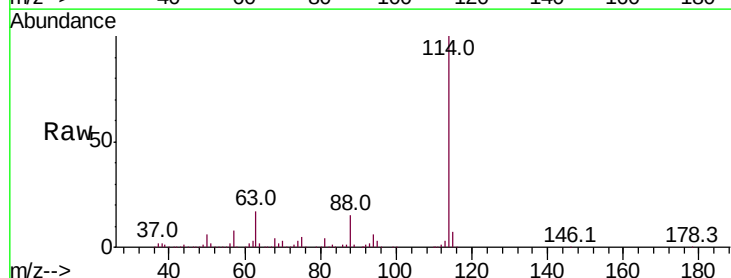
RT: 6.85 min Scan# 935

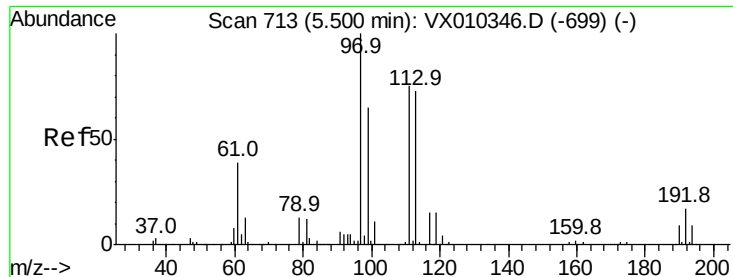
Delta R.T. -0.01 min

Lab File: VX010536.D

Acq: 28 Jun 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.3	0.0	33.8	
88	14.5	0.0	27.6	





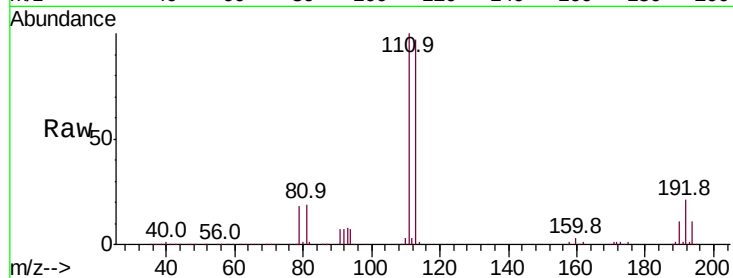
#35
Dibromofluoromethane
Concen: 47.399 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX010536.D
Acq: 28 Jun 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :
FL-0570DL

Tot Ion	Ratio	Resp	Lower	Upper
113	100	121291		
111	103.3	81.2	121.8	
192	22.6	18.6	27.8	

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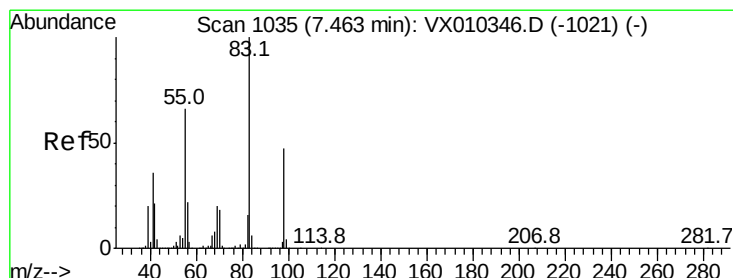
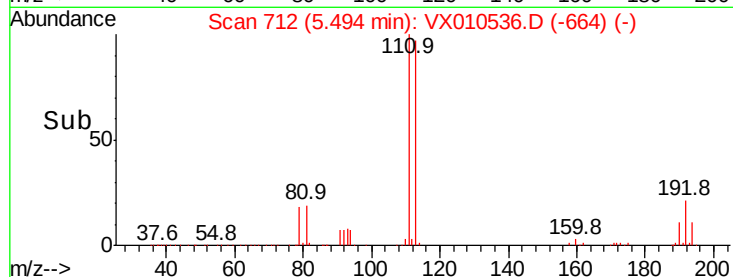
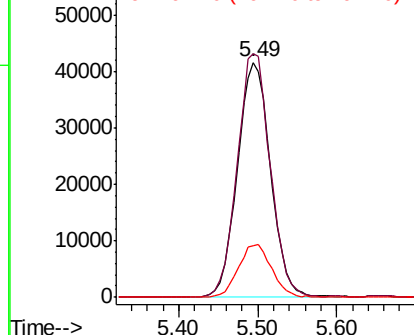


Abundance

Ion 112.80 (112.50 to 113.50): V

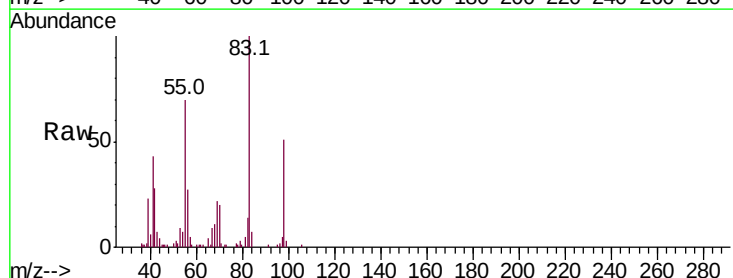
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#39
Methylcyclohexane
Concen: 4.154 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX010536.D
Acq: 28 Jun 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	18146		
55	69.5	53.0	79.6	
98	51.2	37.8	56.8	

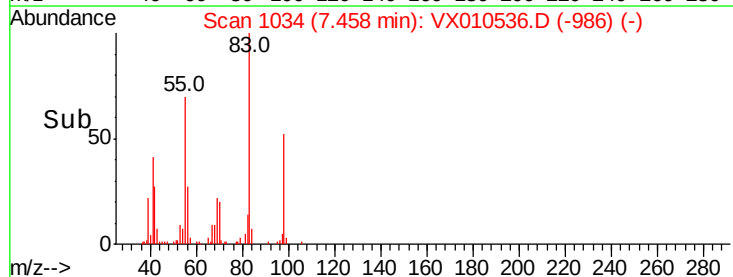
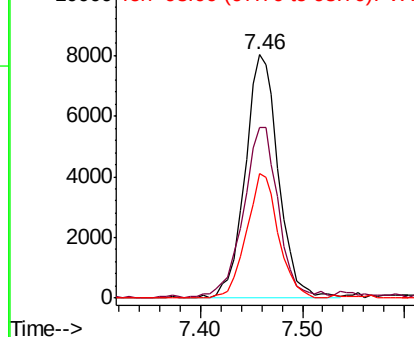


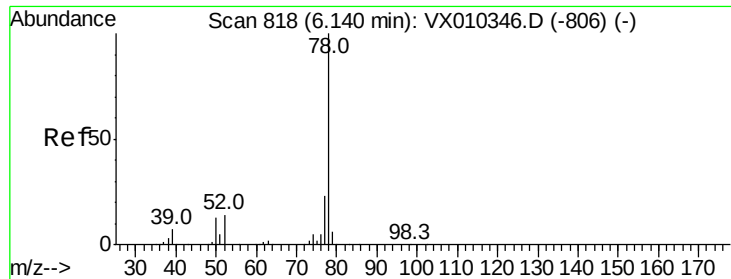
Abundance

Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 17.273 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX010536.D

Acq: 28 Jun 2019 15:48

Instrument :

MSVOA_X

ClientSampleId :

FL-0570DL

Tot Ion: 78 Resp: 178858

Ion Ratio Lower Upper

78 100

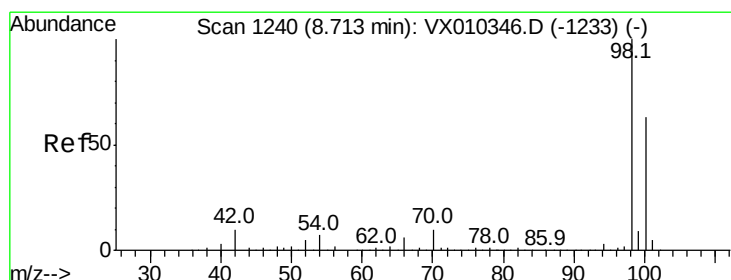
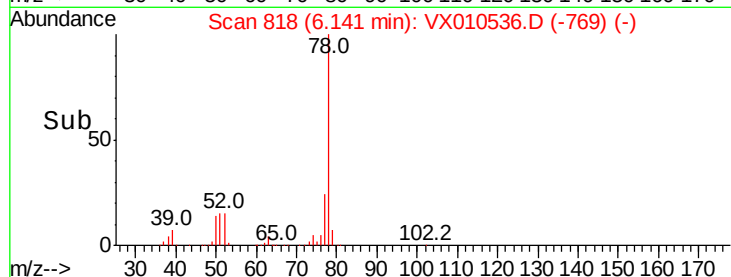
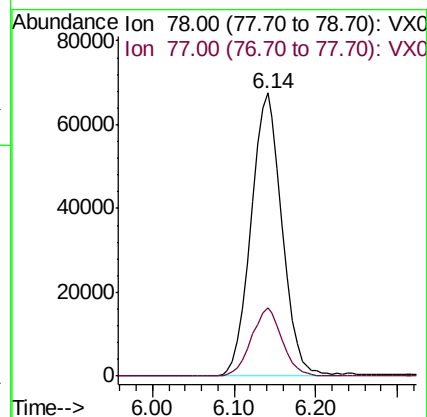
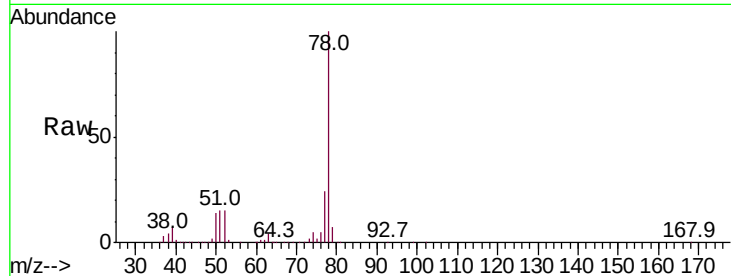
77 24.2 18.6 28.0

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#50

Toluene-d8

Concen: 54.154 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010536.D

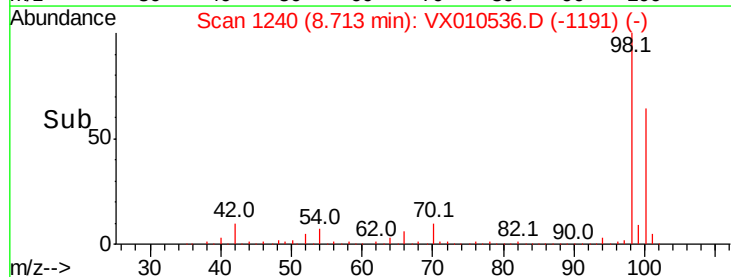
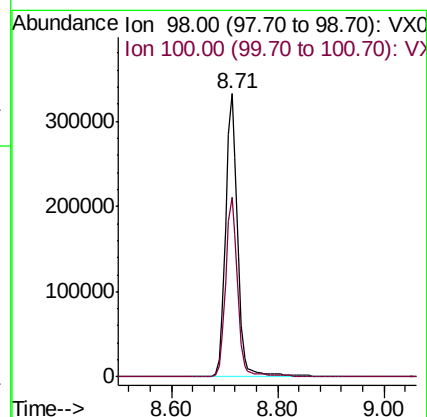
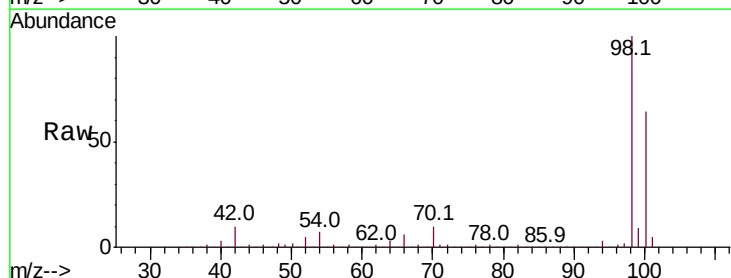
Acq: 28 Jun 2019 15:48

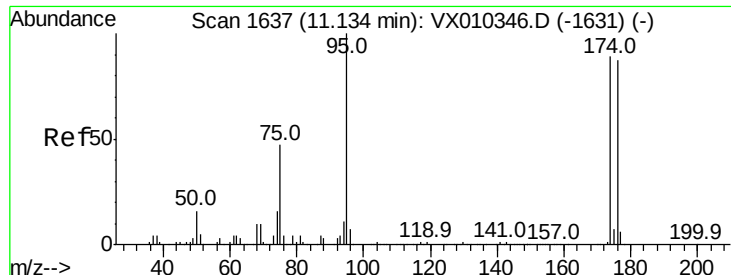
Tgt Ion: 98 Resp: 530173

Ion Ratio Lower Upper

98 100

100 63.8 51.6 77.4





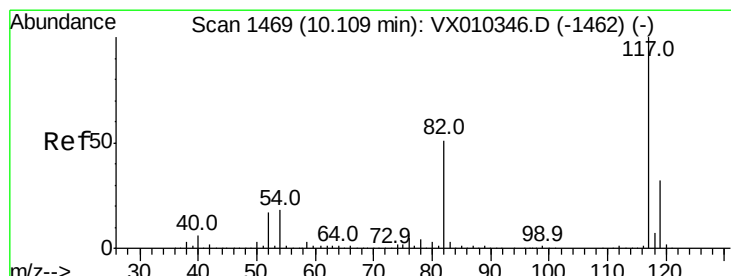
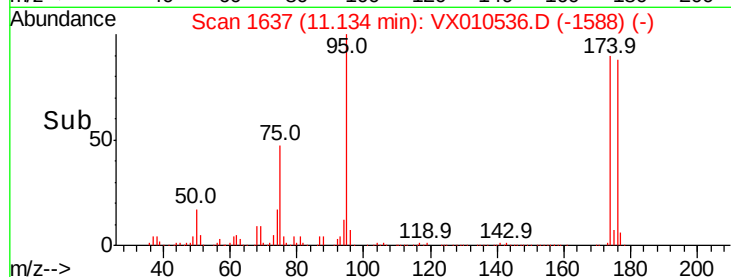
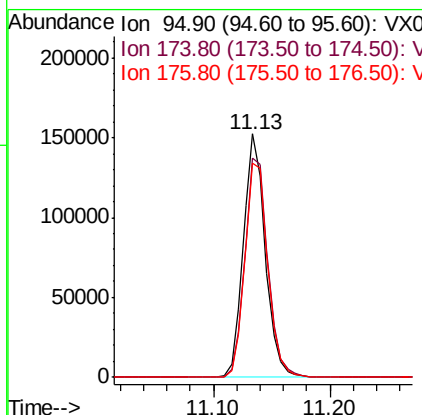
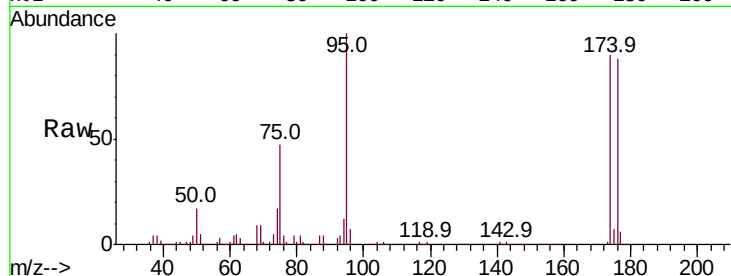
#62
4-Bromofluorobenzene
Concen: 56.680 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010536.D
Acq: 28 Jun 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :
FL-0570DL

Tot Ion	Ratio	Resp	Lower	Upper
95	100	200334		
174	95.2	0.0	187.6	
176	92.7	0.0	184.0	

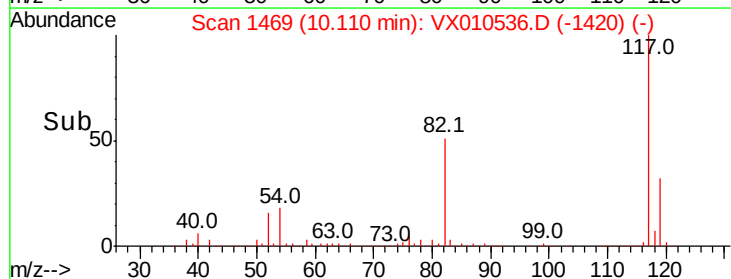
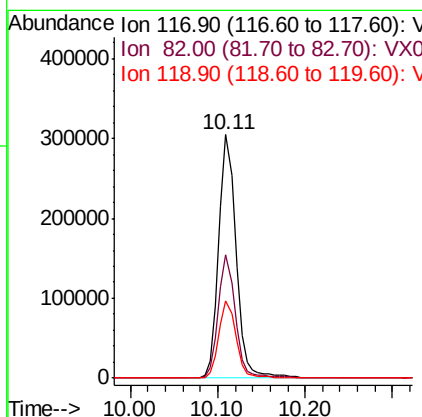
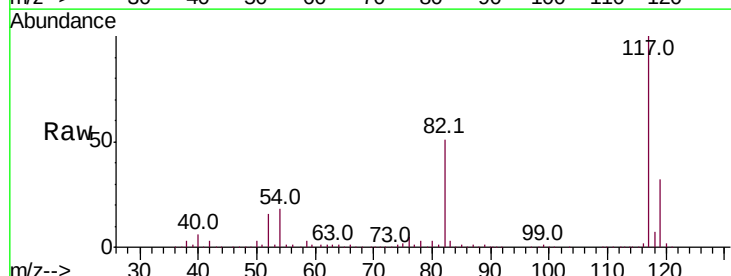
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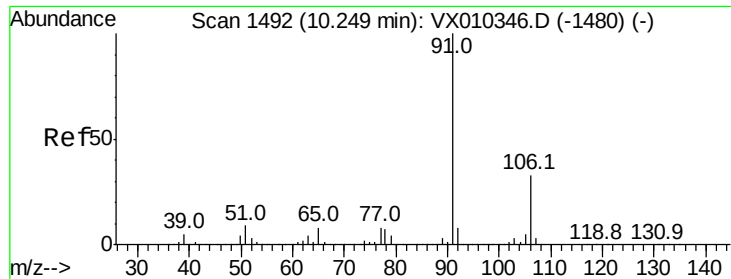
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010536.D
Acq: 28 Jun 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	419813		
82	50.8	41.2	61.8	
119	31.8	25.5	38.3	





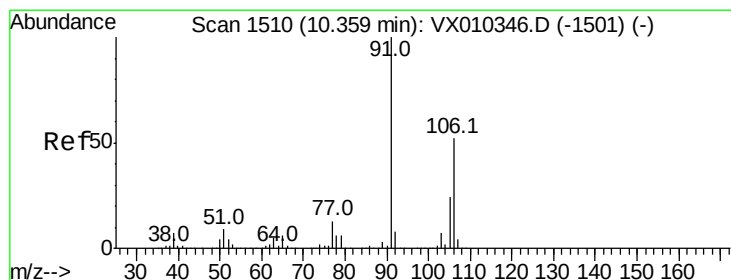
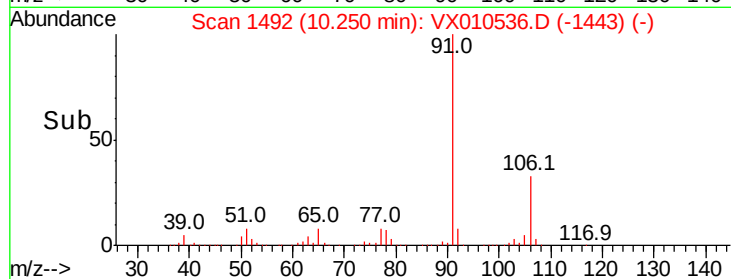
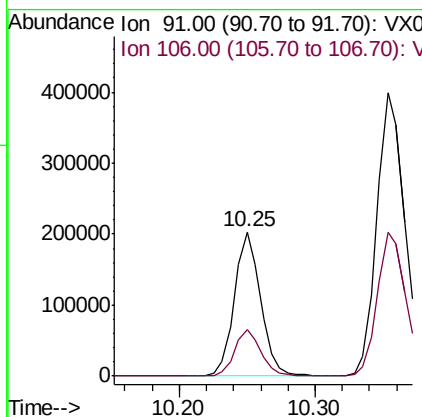
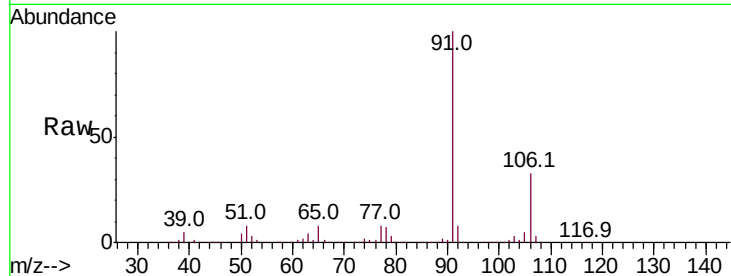
#67
Ethyl Benzene
Concen: 19.014 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010536.D
Acq: 28 Jun 2019 15:48

Instrument :
MSVOA_X
ClientSampled :
FL-0570DL

Tot Ion: 91 Resp: 273583
Ion Ratio Lower Upper
91 100
106 32.5 26.2 39.2

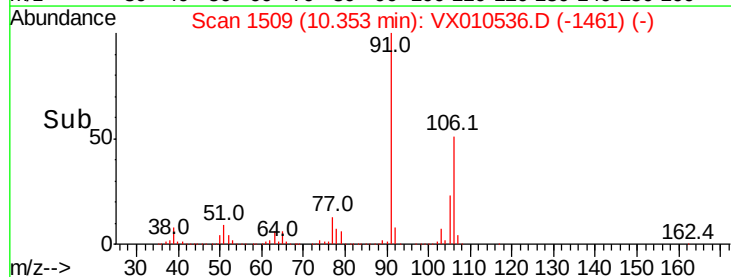
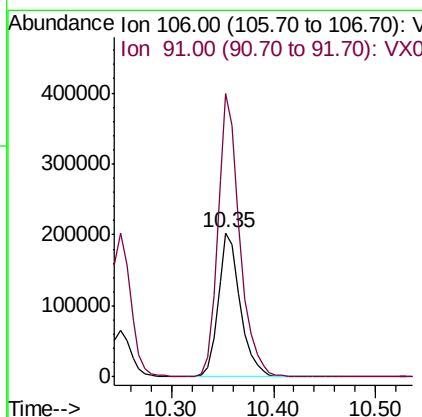
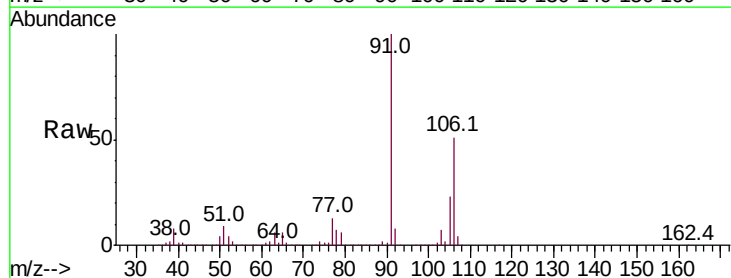
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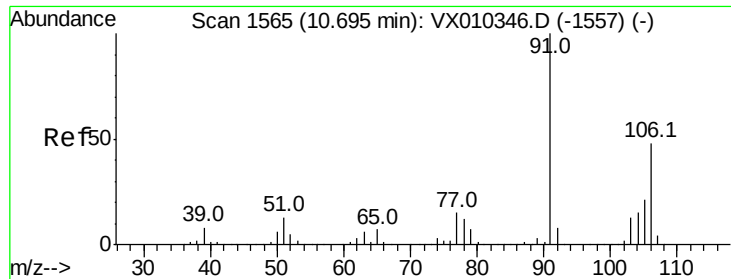
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7/1/2019 11:35:49 AM



#68
m/p-Xylenes
Concen: 54.710 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX010536.D
Acq: 28 Jun 2019 15:48

Tgt Ion: 106 Resp: 305025
Ion Ratio Lower Upper
106 100
91 194.0 155.3 232.9





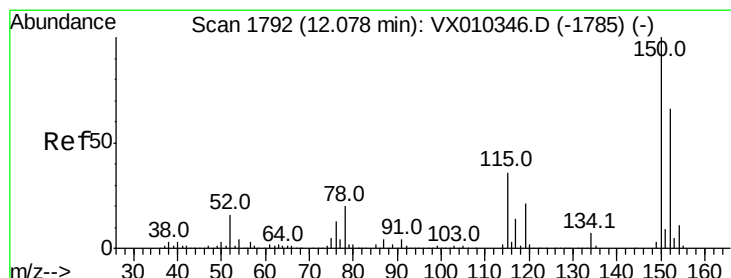
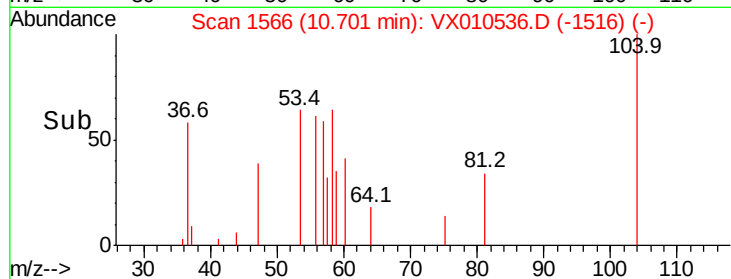
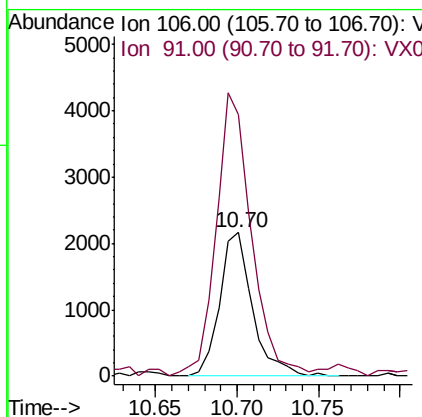
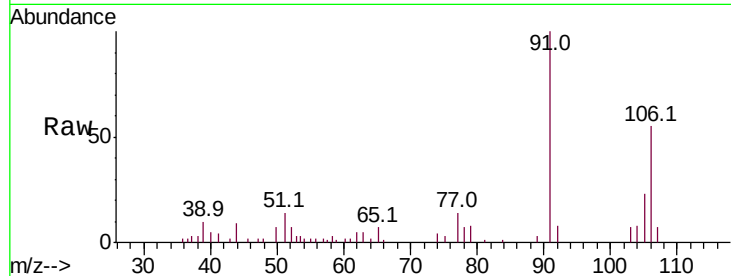
#69
o-Xylene
Concen: 0.552 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010536.D
Acq: 28 Jun 2019 15:48

Instrument :
MSVOA_X
ClientSampled :
FL-0570DL

Tot Ion:106 Resp: 3026
Ion Ratio Lower Upper
106 100
91 212.0 102.7 308.1

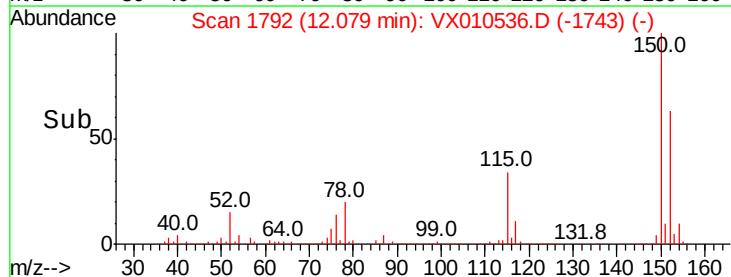
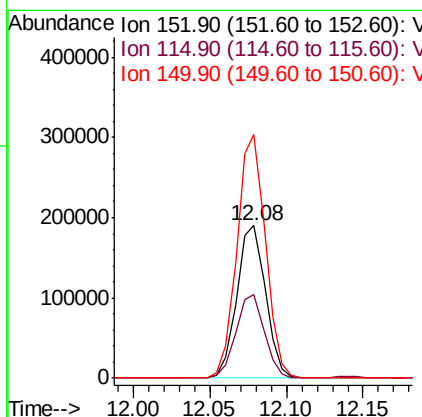
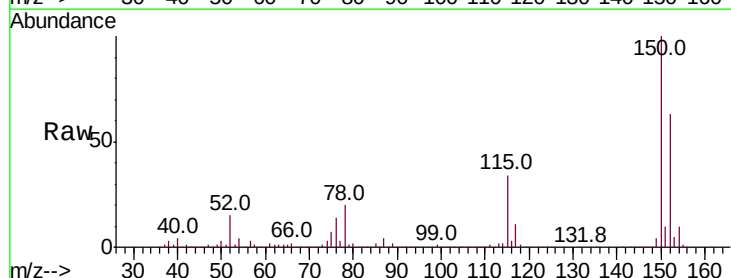
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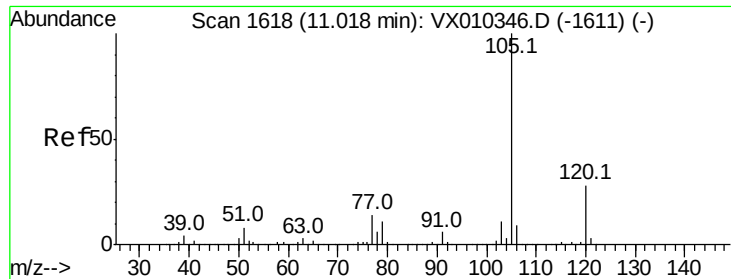
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7/1/2019 11:35:49 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010536.D
Acq: 28 Jun 2019 15:48

Tgt Ion:152 Resp: 247263
Ion Ratio Lower Upper
152 100
115 54.2 38.6 115.7
150 158.0 0.0 347.4





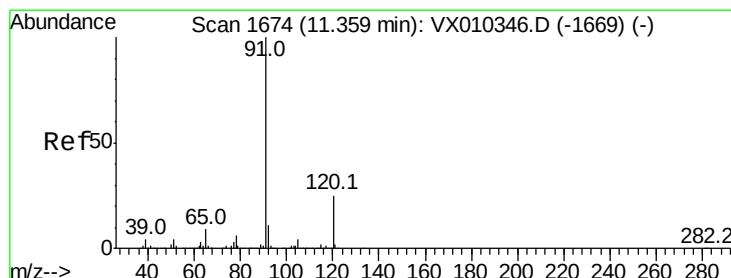
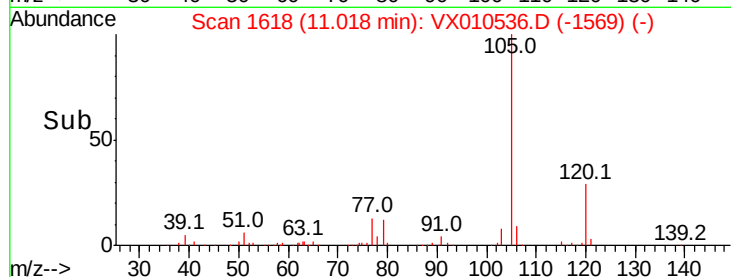
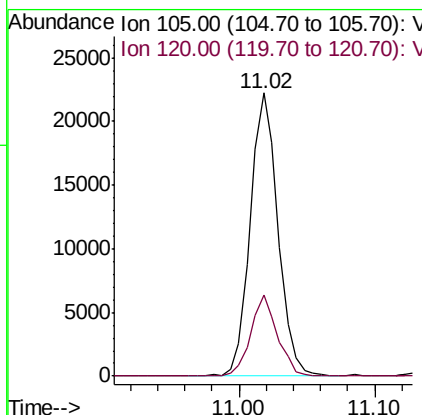
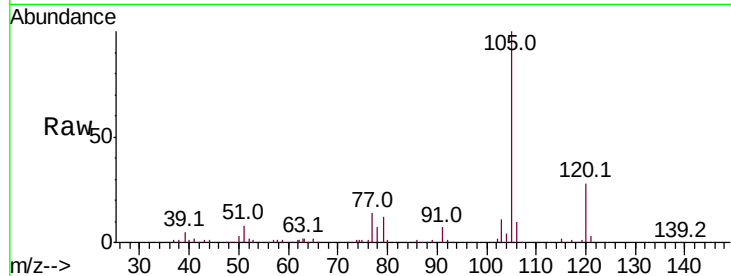
#73
Isopropylbenzene
Concen: 1.901 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX010536.D
Acq: 28 Jun 2019 15:48

Instrument :
MSVOA_X
ClientSampled :
FL-0570DL

Tot Ion: 105 Resp: 31869
Ion Ratio Lower Upper
105 100
120 27.1 14.1 42.4

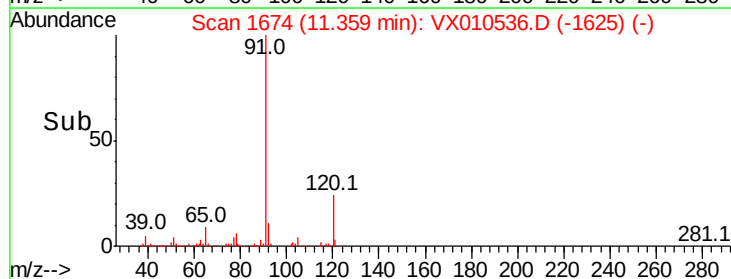
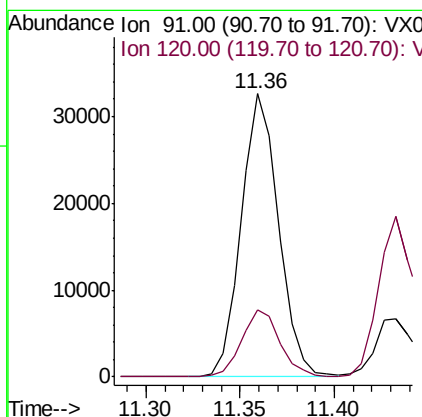
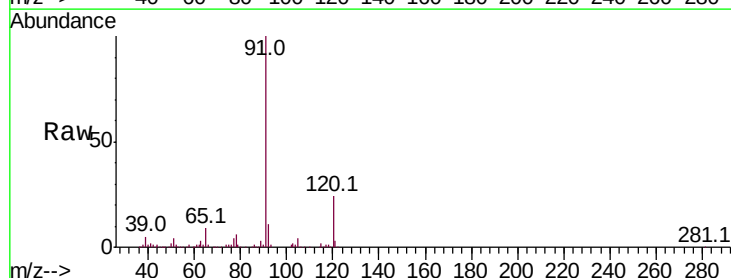
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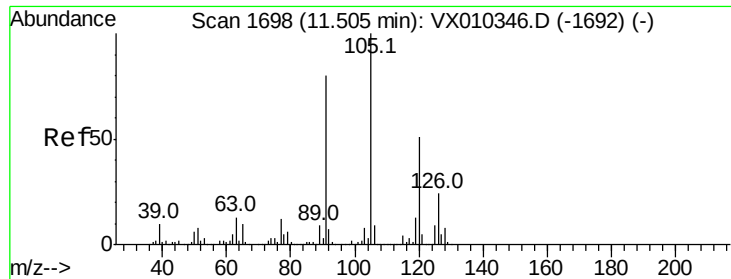
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#78
n-propylbenzene
Concen: 2.433 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX010536.D
Acq: 28 Jun 2019 15:48

Tgt Ion: 91 Resp: 44820
Ion Ratio Lower Upper
91 100
120 24.4 12.4 37.4





#80

1,3,5-Trimethylbenzene

Concen: 2.716 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010536.D

Acq: 28 Jun 2019 15:48

Instrument :

MSVOA_X

ClientSampled :

FL-0570DL

Tot Ion:105 Resp: 37534

Ion Ratio Lower Upper

105 100

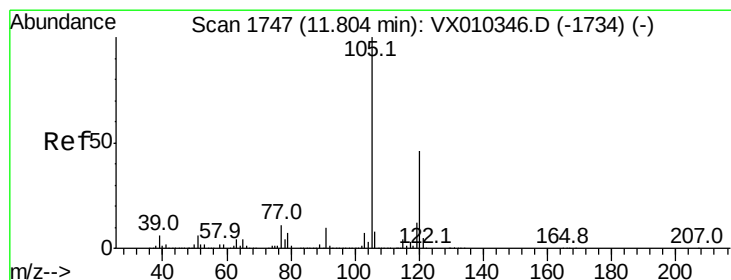
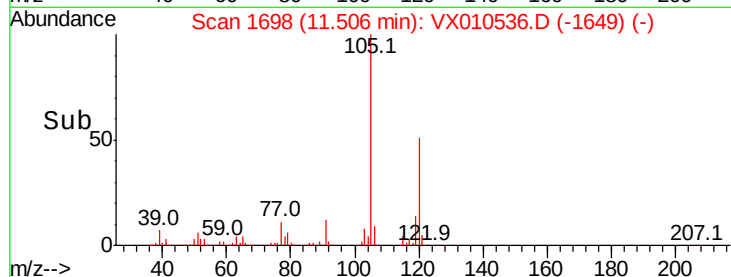
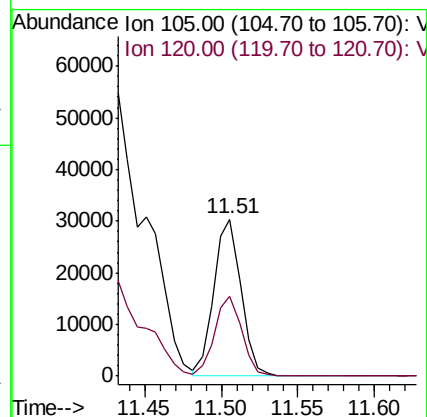
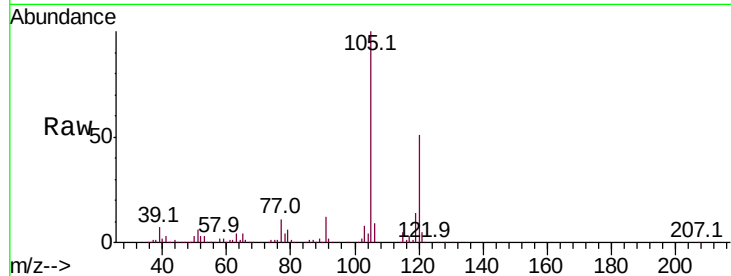
120 51.2 25.2 75.6

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#84

1,2,4-Trimethylbenzene

Concen: 11.899 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010536.D

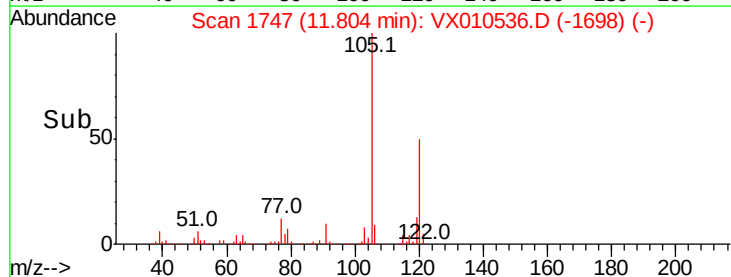
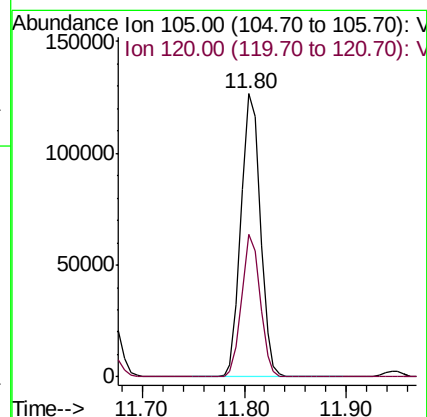
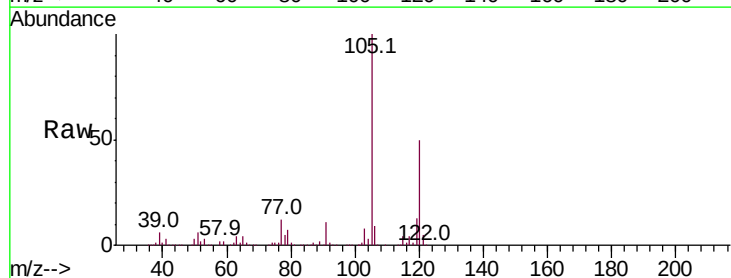
Acq: 28 Jun 2019 15:48

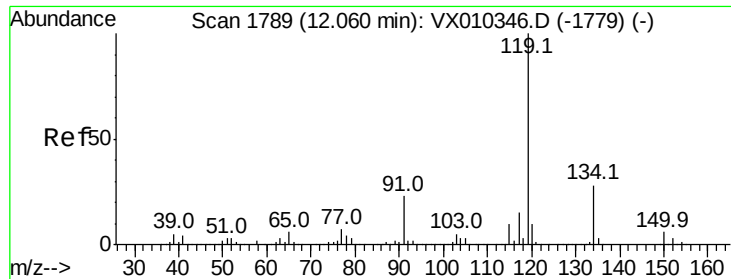
Tgt Ion:105 Resp: 165190

Ion Ratio Lower Upper

105 100

120 48.0 23.1 69.2





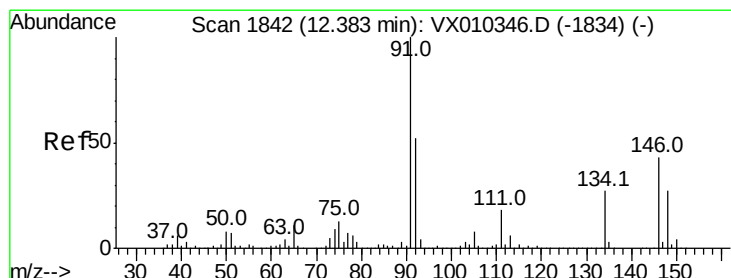
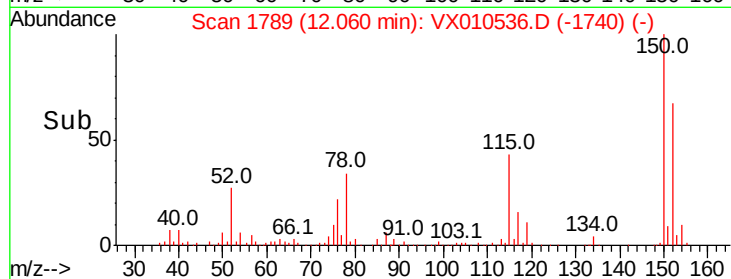
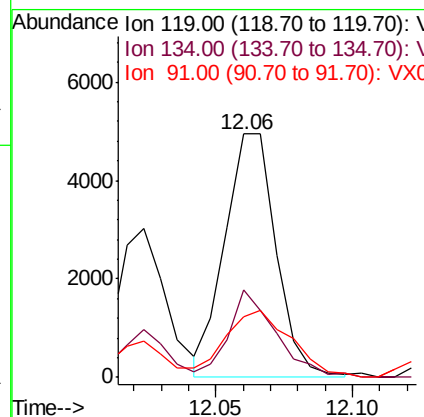
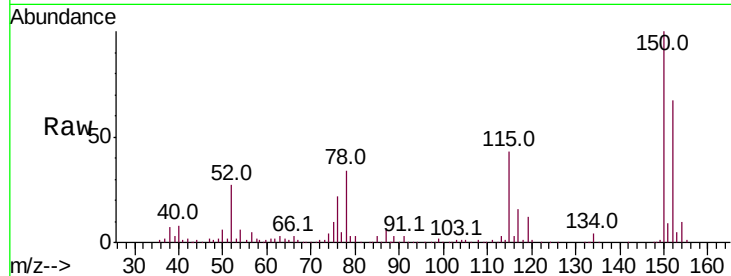
#86
 p-Isopropyltoluene
 Concen: 0.431 ug/l m
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX010536.D
 Acq: 28 Jun 2019 15:48

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0570DL

Tot Ion	Ratio	Resp	Lower	Upper
119	100	6491		
134	18.1		13.7	41.1
91	15.5		11.3	33.8

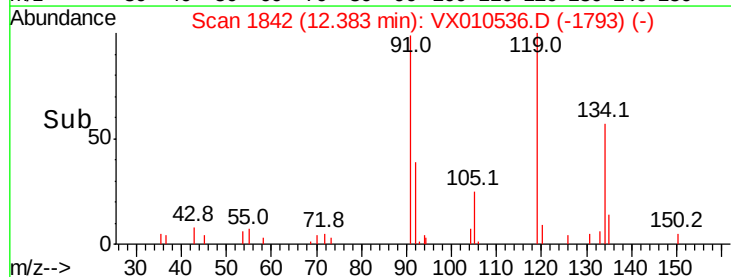
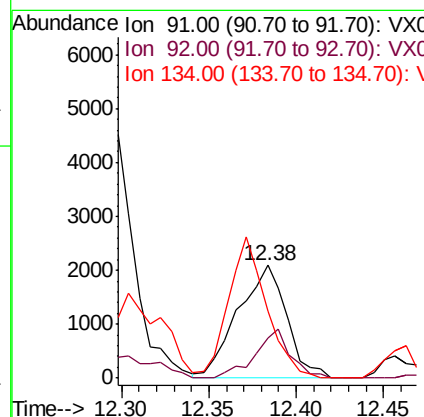
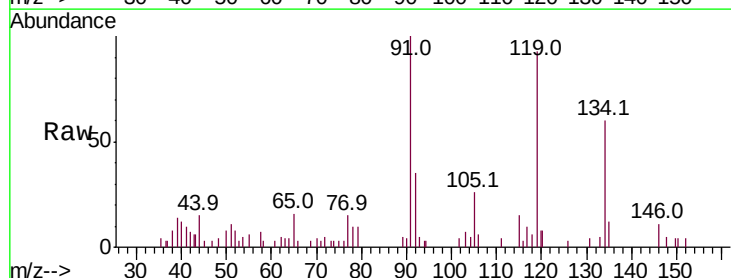
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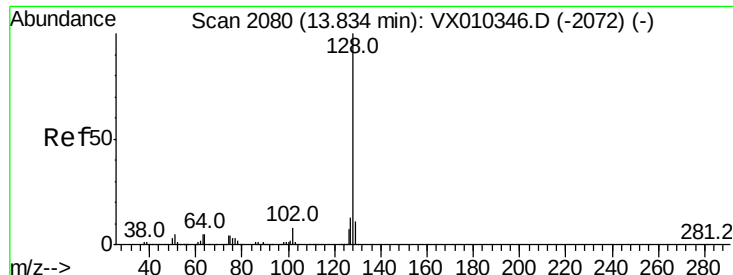
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#89
 n-Butylbenzene
 Concen: 0.317 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX010536.D
 Acq: 28 Jun 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	4060		
92	31.2		26.2	78.5
134	98.1		14.1	42.4#





#95
Naphthalene
Concen: 2.258 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010536.D
Acq: 28 Jun 2019 15:48

Instrument :
MSVOA_X
ClientSampleId :
FL-0570DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	11.2	8.9	13.3

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