

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081319\
 Data File : VX011528.D
 Acq On : 13 Aug 2019 12:10
 Operator : JC/SP
 Sample : K4279-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0669

Manual Integrations
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 8/14/2019 11:31:22 AM

Quant Time: Aug 14 01:29:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	191821	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	284991	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	255832	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	119883	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	104246	53.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.92%	
35) Dibromofluoromethane	5.49	113	87419	46.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.96%	
50) Toluene-d8	8.71	98	333311	47.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.92%	
62) 4-Bromofluorobenzene	11.13	95	115988	46.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.52%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.58	56	34886	14.023	ug/l	89
39) Methylcyclohexane	7.46	83	13854	4.697	ug/l	95
40) Benzene	6.14	78	262312	35.328	ug/l	97
67) Ethyl Benzene	10.25	91	61322	6.675	ug/l	97
68) m/p-Xylenes	10.35	106	1288	0.362	ug/l	99
73) Isopropylbenzene	11.02	105	40421	4.930	ug/l	99
78) n-propylbenzene	11.36	91	53389	5.855	ug/l	98
85) sec-Butylbenzene	11.94	105	6900	0.853	ug/l	80
89) n-Butylbenzene	12.38	91	2331m	0.364	ug/l	
95) Naphthalene	13.83	128	28550	3.647	ug/l	97

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

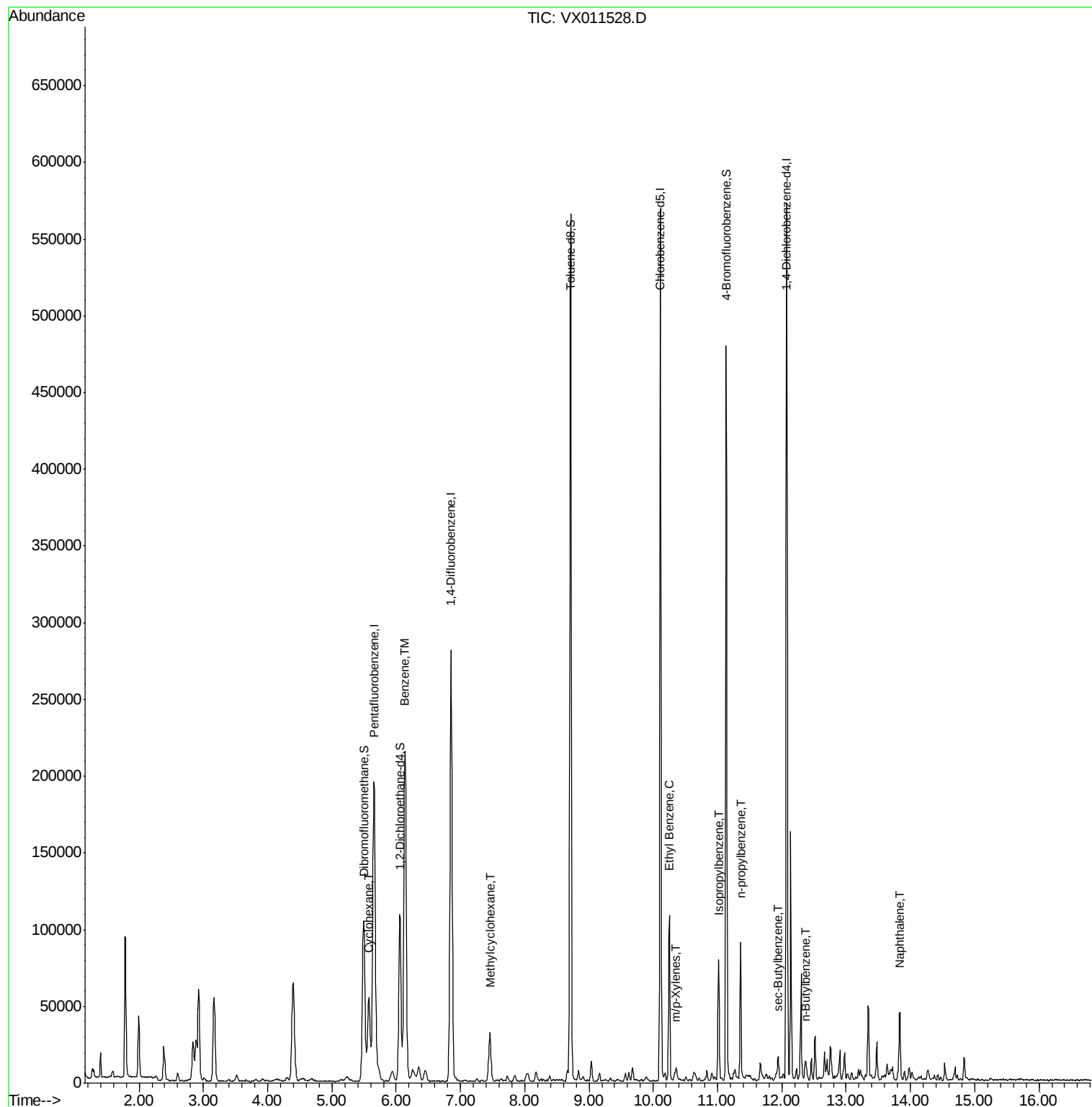
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081319\
Data File : VX011528.D
Acq On : 13 Aug 2019 12:10
Operator : JC/SP
Sample : K4279-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

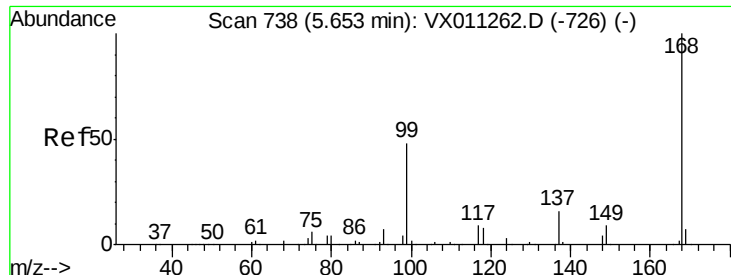
Instrument :
MSVOA_X
ClientSampleId :
Z3-0669

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8/14/2019 11:31:22 AM

Quant Time: Aug 14 01:29:13 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011528.D

Acq: 13 Aug 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

Z3-0669

Tot Ion:168 Resp: 191821

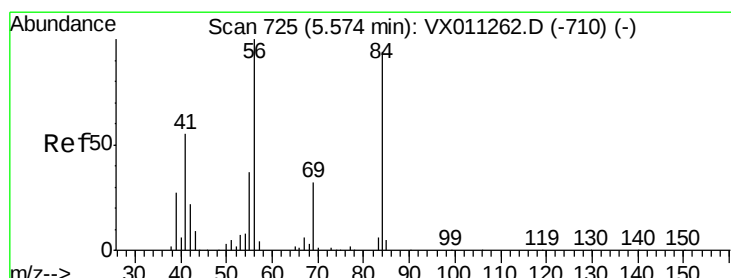
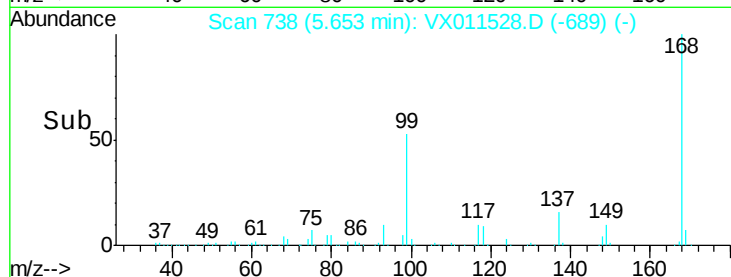
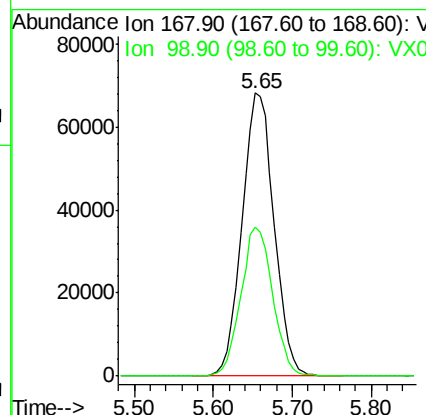
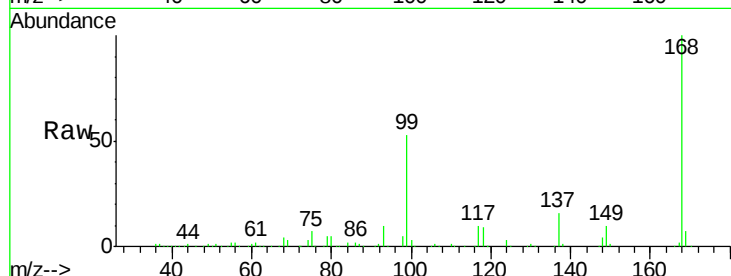
Ion Ratio Lower Upper

168 100

99 52.7 38.5 57.7

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#31

Cyclohexane

Concen: 14.023 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX011528.D

Acq: 13 Aug 2019 12:10

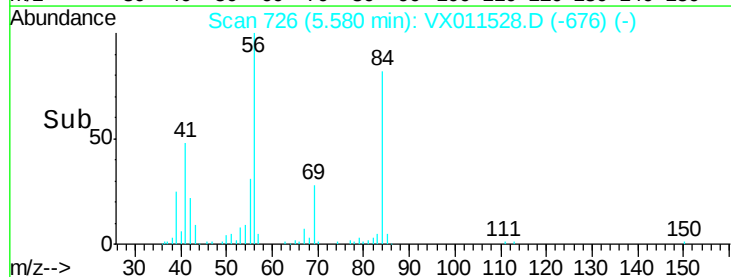
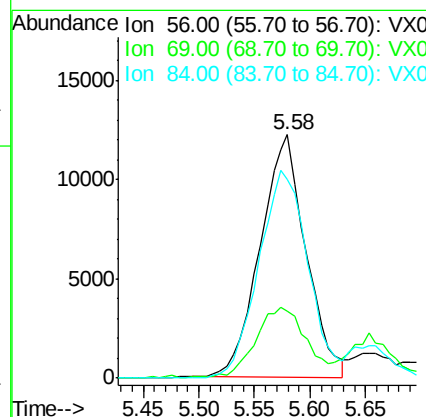
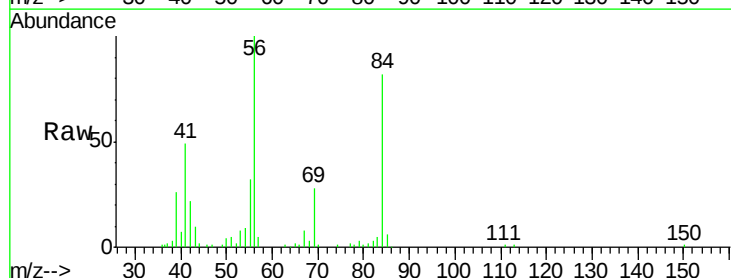
Tgt Ion: 56 Resp: 34886

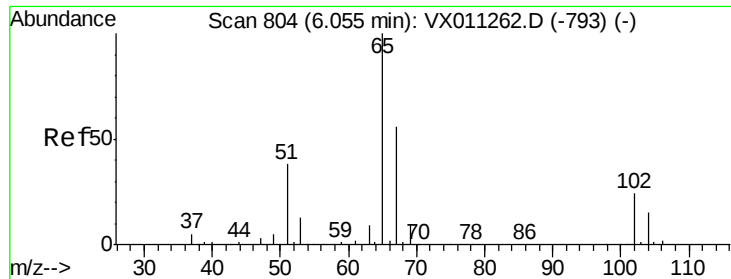
Ion Ratio Lower Upper

56 100

69 27.3 25.5 38.3

84 82.2 75.0 112.4





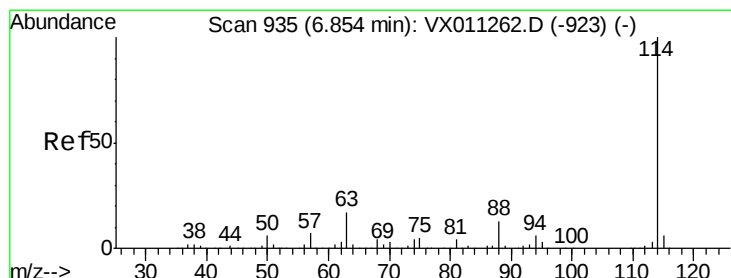
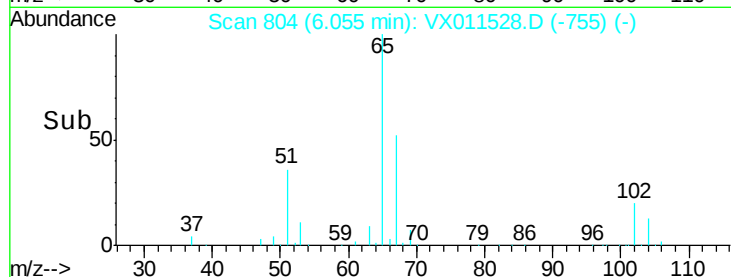
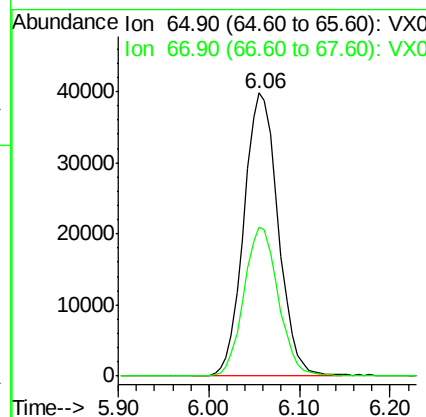
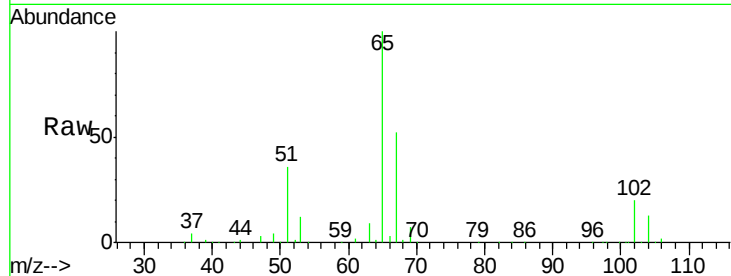
#33
 1,2-Dichloroethane-d4
 Concen: 53.965 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011528.D
 Acq: 13 Aug 2019 12:10

Instrument :
 MSVOA_X
 ClientSampled :
 Z3-0669

Tot Ion	Ratio	Resp	Lower	Upper
65	100	104246		
67	52.7	0.0	110.6	

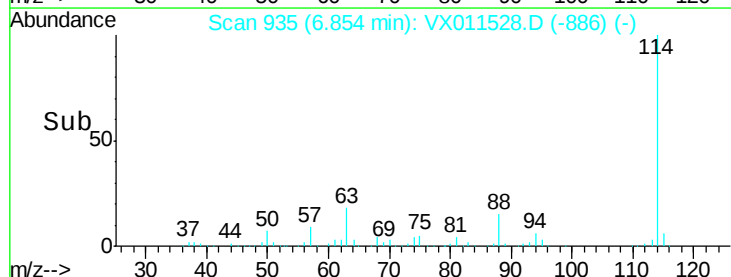
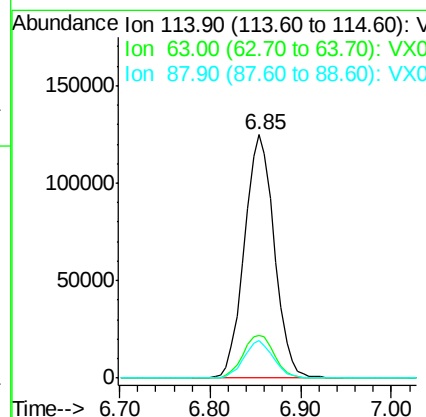
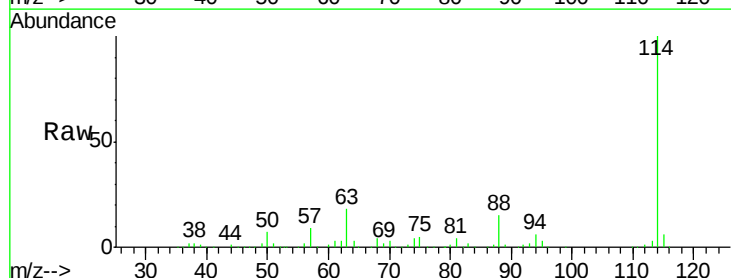
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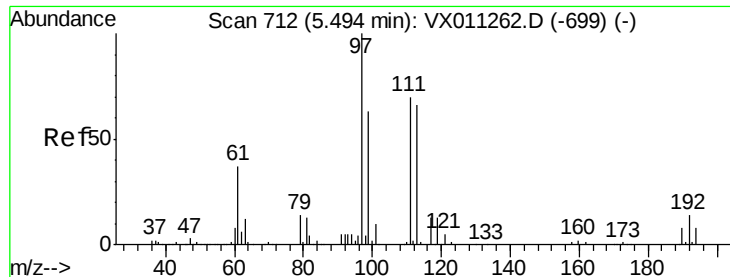
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011528.D
 Acq: 13 Aug 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	284991		
63	17.6	0.0	34.0	
88	15.2	0.0	26.4	





#35

Dibromofluoromethane

Concen: 46.983 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011528.D

Acq: 13 Aug 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

Z3-0669

Tot Ion:113 Resp: 87419

Ion Ratio Lower Upper

113 100

111 102.6 81.9 122.9

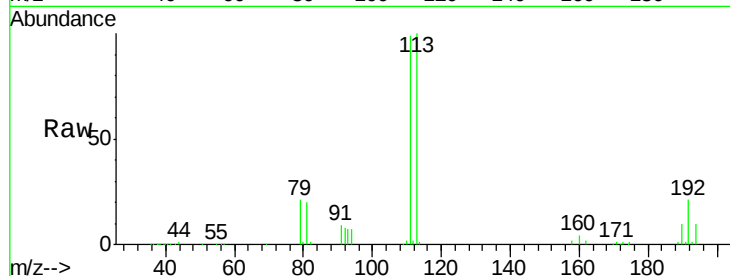
192 21.5 17.8 26.8

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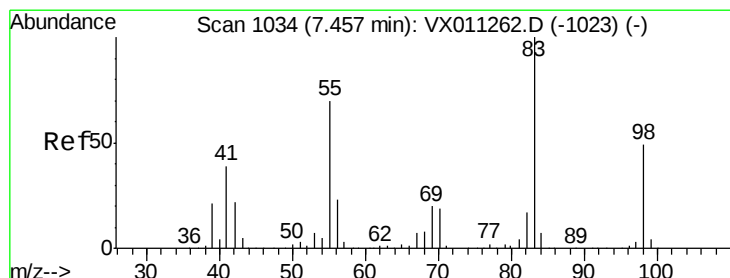
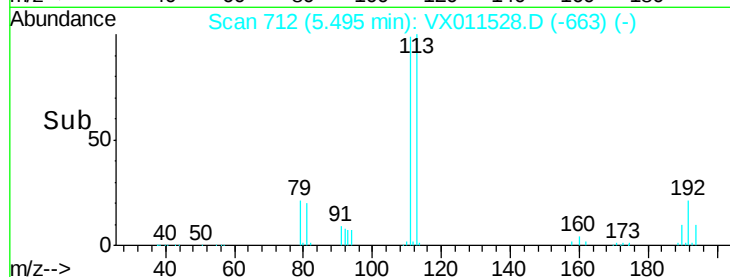
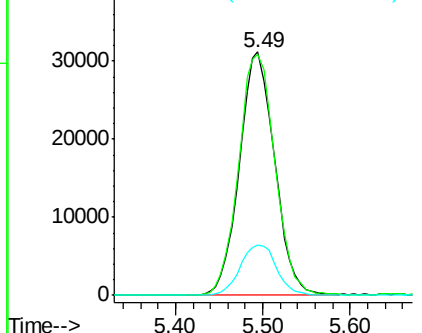
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#39

Methylcyclohexane

Concen: 4.697 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VX011528.D

Acq: 13 Aug 2019 12:10

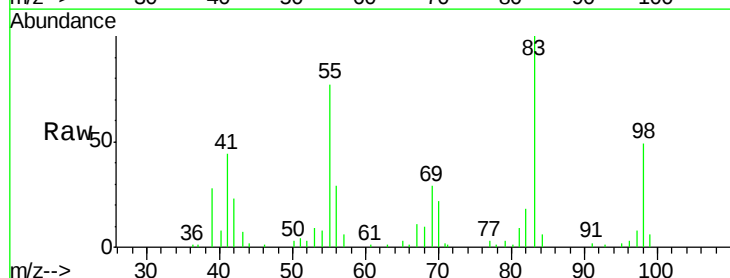
Tgt Ion: 83 Resp: 13854

Ion Ratio Lower Upper

83 100

55 76.9 56.1 84.1

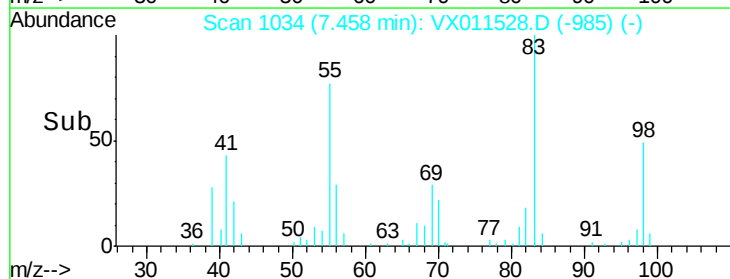
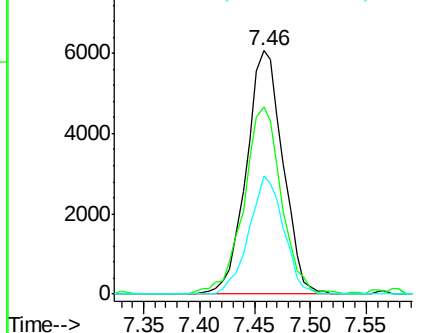
98 48.7 39.0 58.4

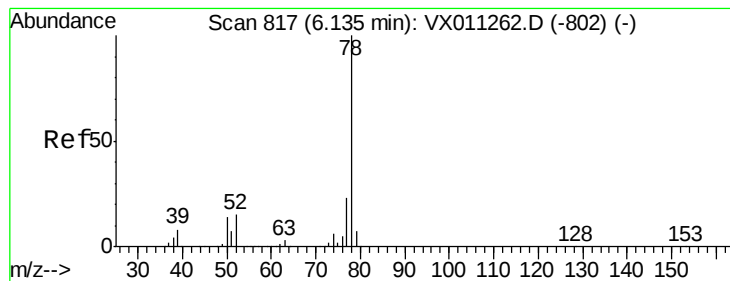


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 35.328 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX011528.D

Acq: 13 Aug 2019 12:10

Instrument :

MSVOA_X

ClientSampled :

Z3-0669

Tot Ion: 78 Resp: 262312

Ion Ratio Lower Upper

78 100

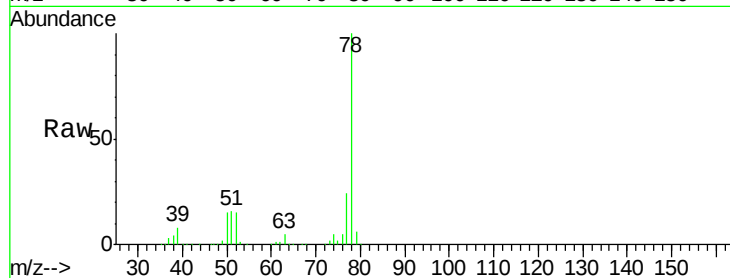
77 24.1 18.2 27.2

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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.14

100000

80000

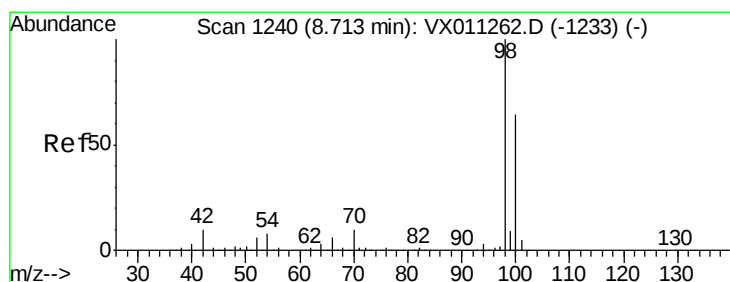
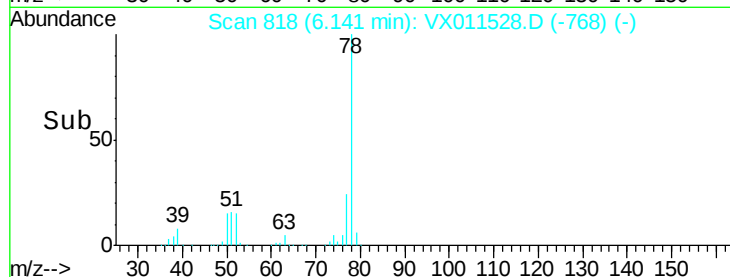
60000

40000

20000

0

Time-->



#50

Toluene-d8

Concen: 47.457 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011528.D

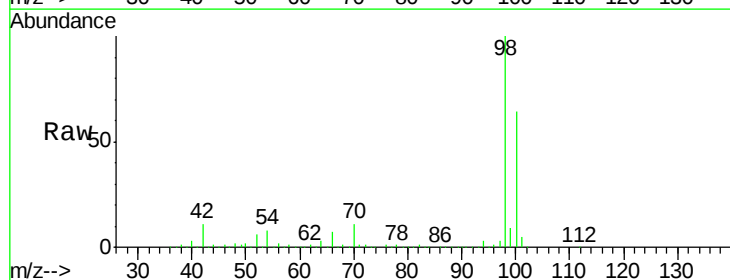
Acq: 13 Aug 2019 12:10

Tgt Ion: 98 Resp: 333311

Ion Ratio Lower Upper

98 100

100 64.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

250000

200000

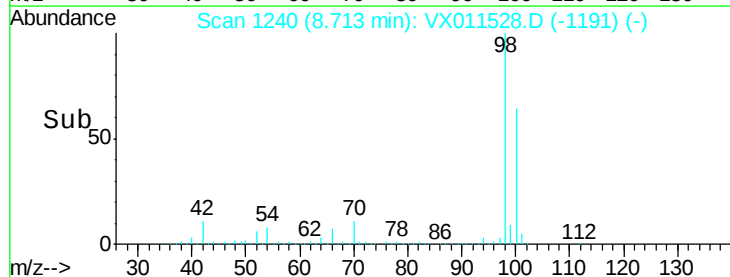
150000

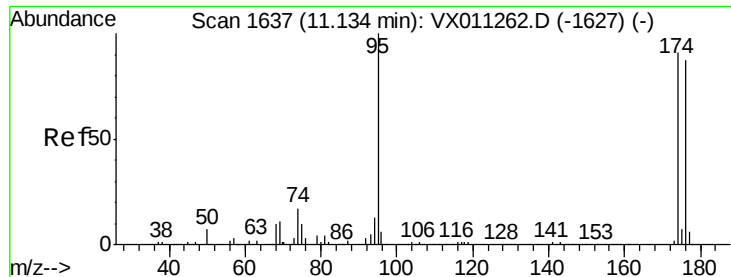
100000

50000

0

Time-->





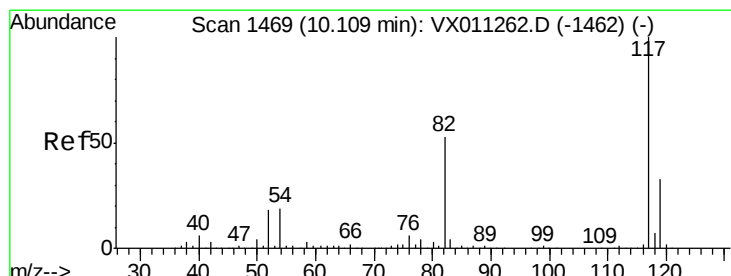
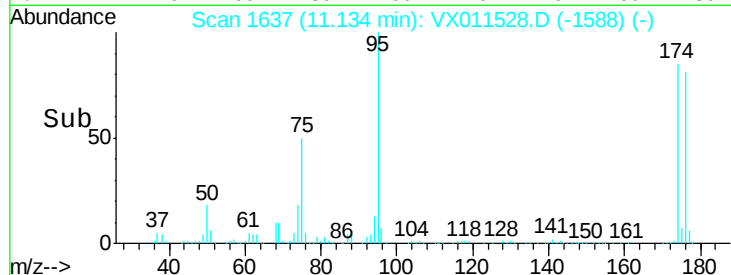
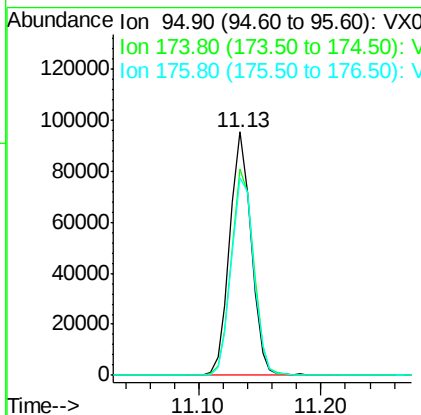
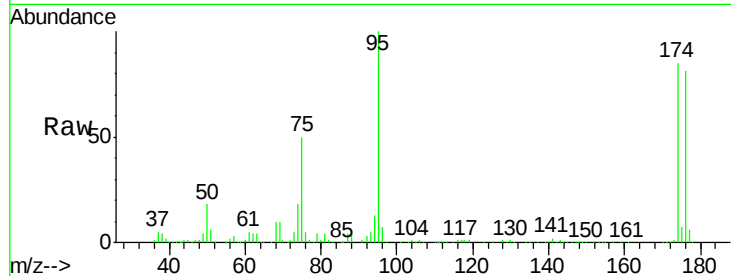
#62
4-Bromofluorobenzene
Concen: 46.256 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011528.D
Acq: 13 Aug 2019 12:10

Instrument :
MSVOA_X
ClientSampleId :
Z3-0669

Tot Ion	Ratio	Resp	Lower	Upper
95	100	115988		
174	87.7	0.0	191.2	
176	85.0	0.0	184.8	

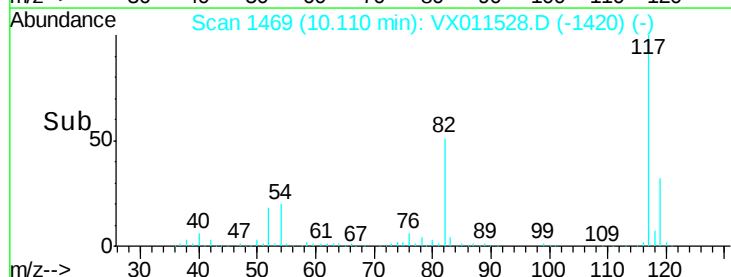
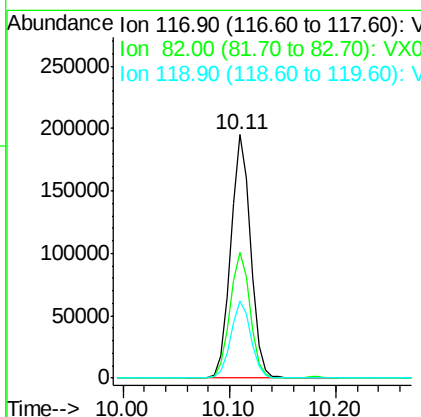
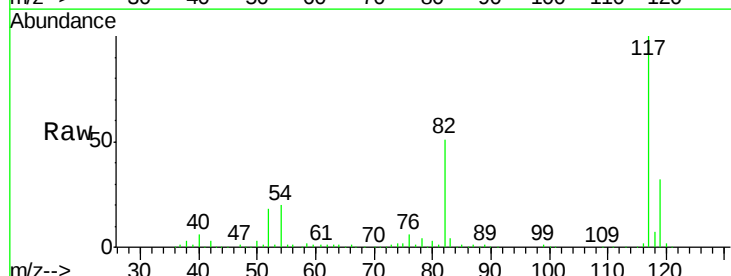
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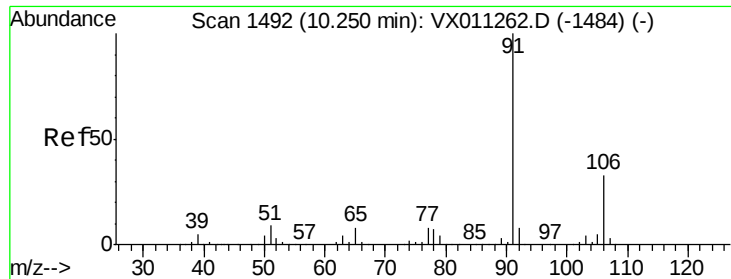
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011528.D
Acq: 13 Aug 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	255832		
82	51.5	42.2	63.2	
119	32.0	26.6	39.8	





#67

Ethyl Benzene

Concen: 6.675 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011528.D

Acq: 13 Aug 2019 12:10

Instrument :

MSVOA_X

ClientSampled :

Z3-0669

Tot Ion: 91 Resp: 61322

Ion Ratio Lower Upper

91 100

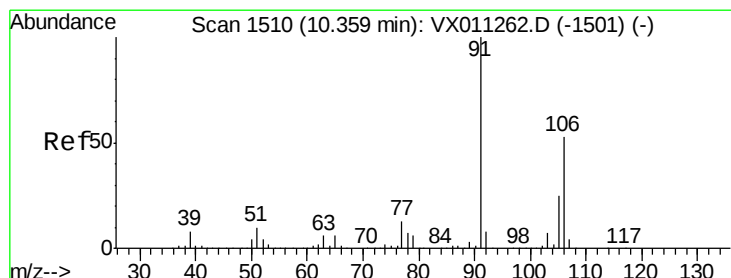
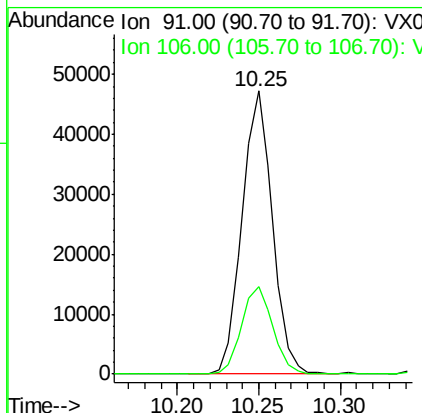
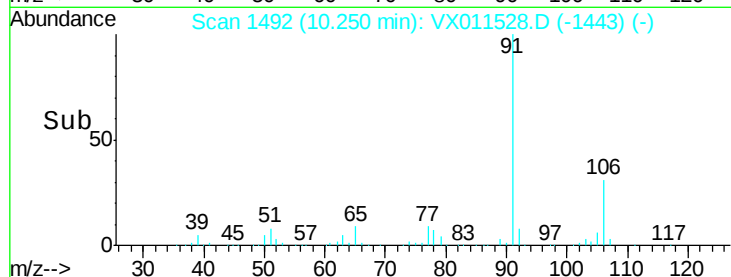
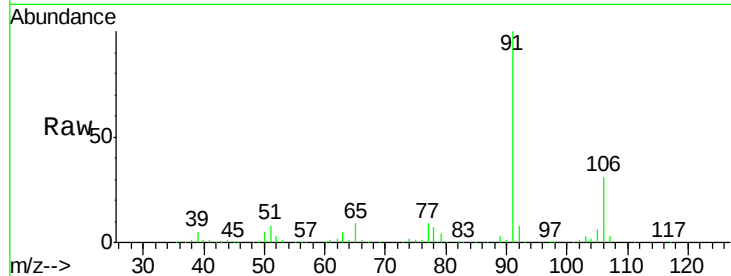
106 31.0 26.2 39.4

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8/14/2019 11:31:22 AM



#68

m/p-Xylenes

Concen: 0.362 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX011528.D

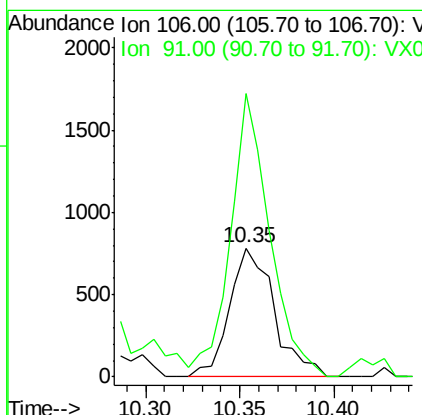
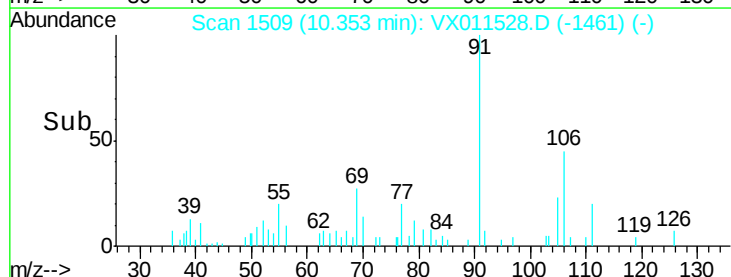
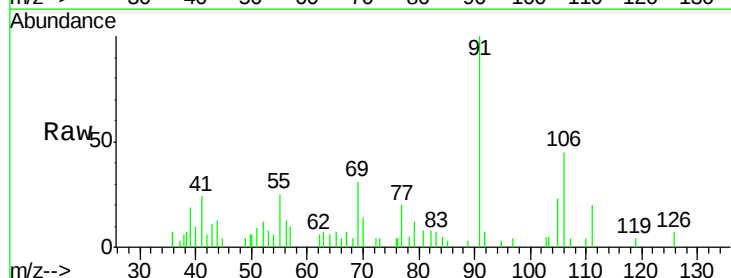
Acq: 13 Aug 2019 12:10

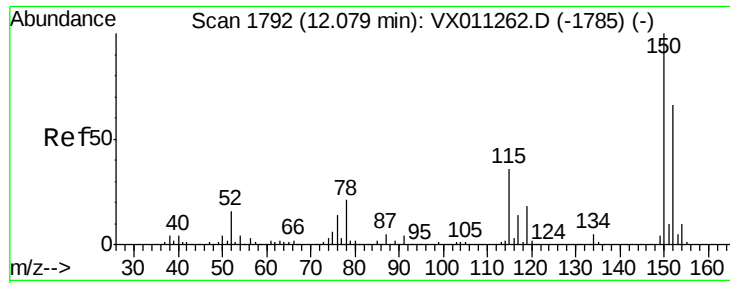
Tgt Ion: 106 Resp: 1288

Ion Ratio Lower Upper

106 100

91 193.4 155.9 233.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX011528.D

Acq: 13 Aug 2019 12:10

Instrument :

MSVOA_X

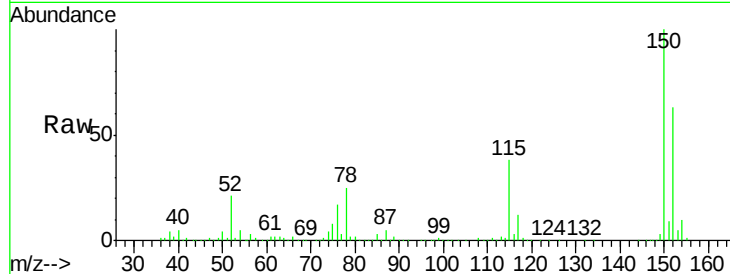
ClientSampleId :

Z3-0669

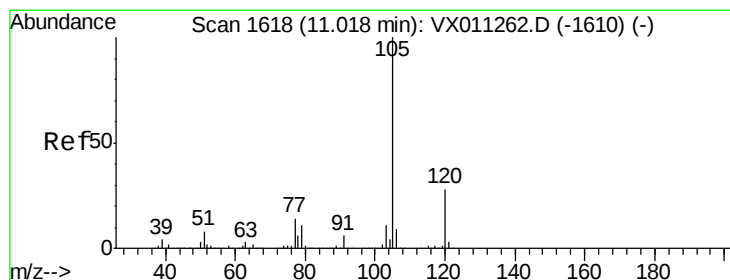
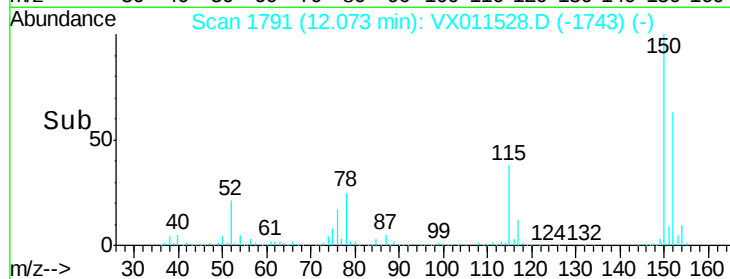
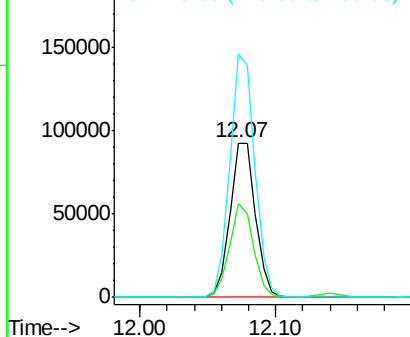
Tot Ion:	152	Resp:	119883
Ion Ratio	Lower	Upper	
152	100		
115	57.2	40.0	119.9
150	155.1	0.0	350.4

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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 4.930 ug/l

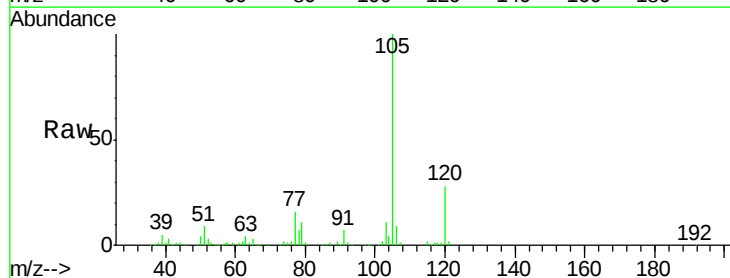
RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

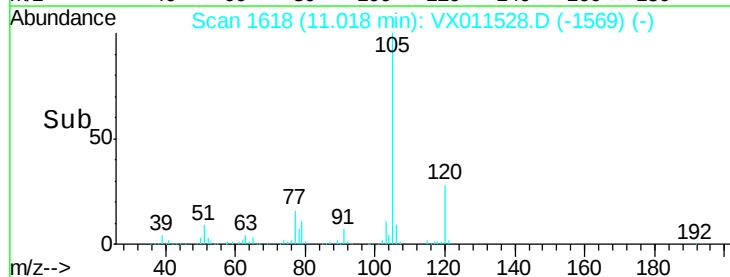
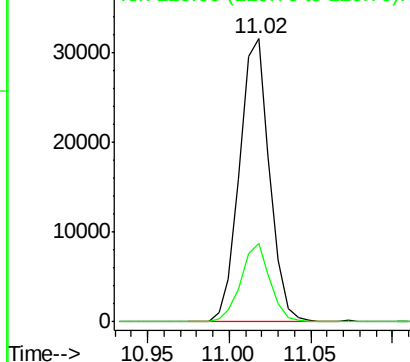
Lab File: VX011528.D

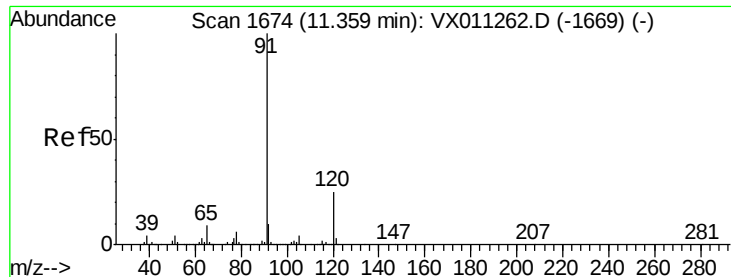
Acq: 13 Aug 2019 12:10

Tgt Ion:	105	Resp:	40421
Ion Ratio	Lower	Upper	
105	100		
120	27.0	13.7	41.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 5.855 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011528.D

Acq: 13 Aug 2019 12:10

Instrument :

MSVOA_X

ClientSampleId :

Z3-0669

Tot Ion: 91 Resp: 53389

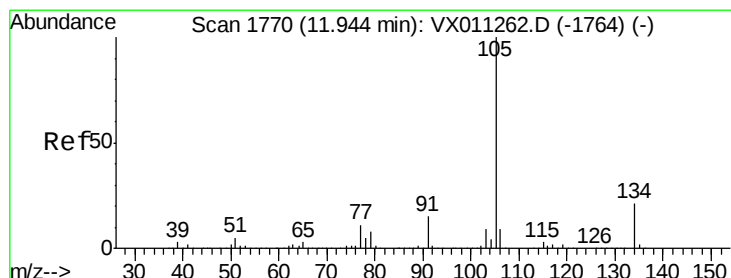
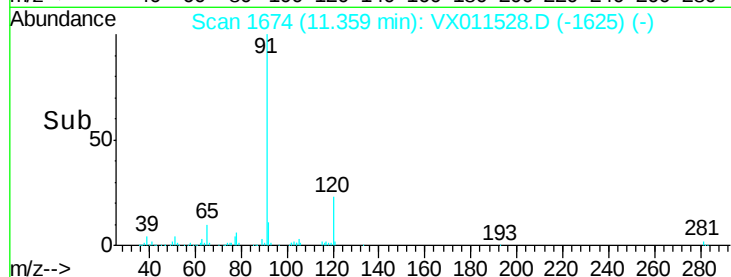
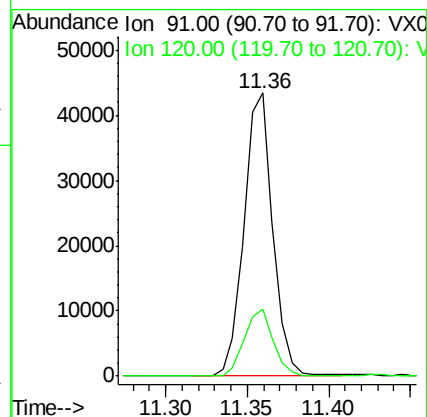
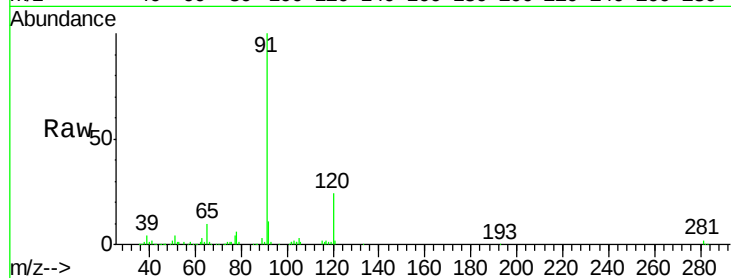
Ion Ratio Lower Upper

91 100

120 23.6 12.4 37.0

Manual Integrations
APPROVED

MMDadoda
8/14/2019 11:31:22 AM



#85

sec-Butylbenzene

Concen: 0.853 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011528.D

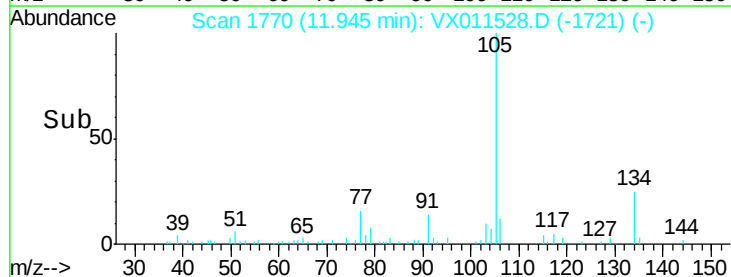
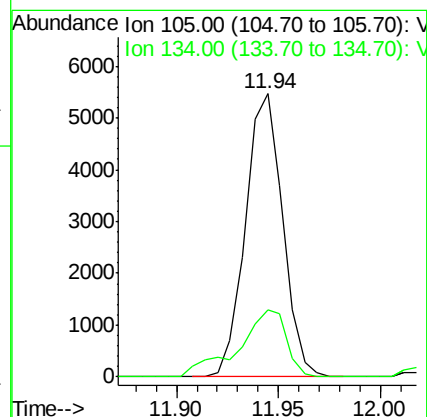
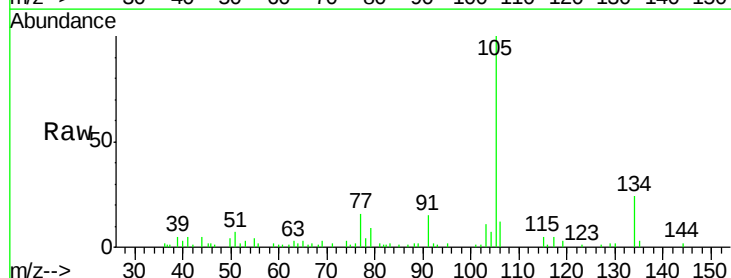
Acq: 13 Aug 2019 12:10

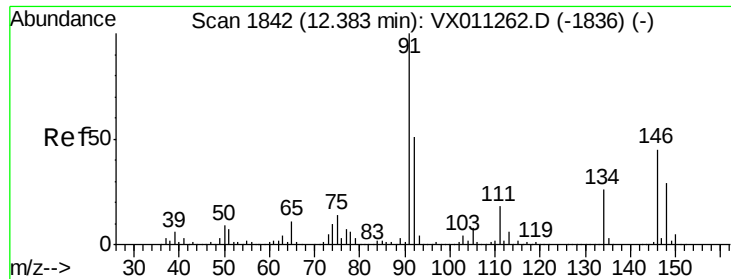
Tgt Ion: 105 Resp: 6900

Ion Ratio Lower Upper

105 100

134 30.4 10.4 31.4





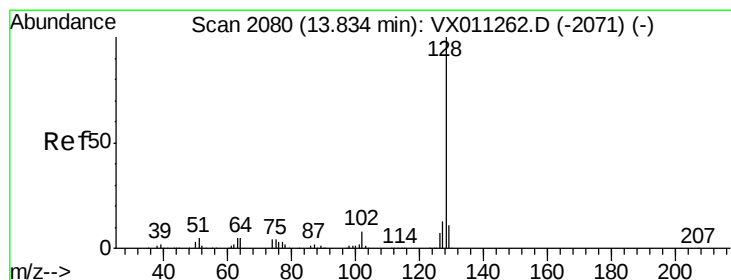
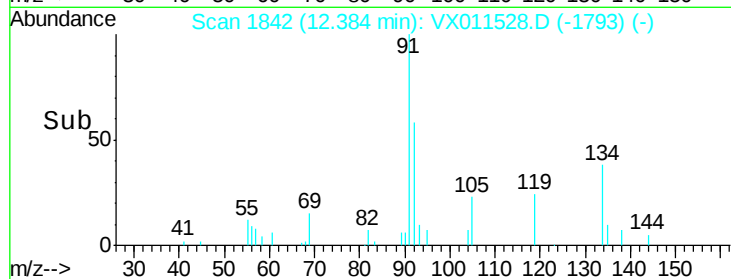
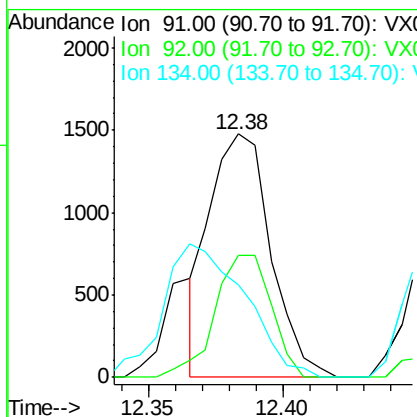
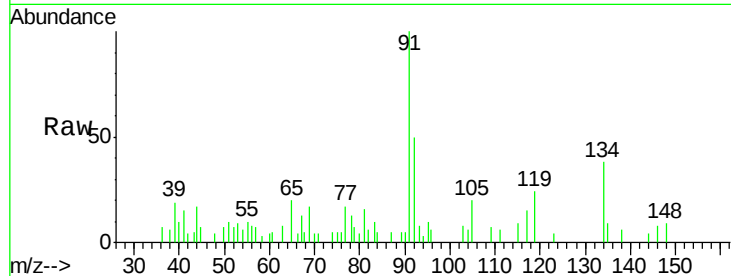
#89
n-Butylbenzene
Concen: 0.364 ug/l m
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011528.D
Acq: 13 Aug 2019 12:10

Instrument :
MSVOA_X
ClientSampled :
Z3-0669

Tot Ion	Ratio	Lower	Upper
91	100		
92	46.3	25.8	77.3
134	0.0	13.7	41.0#

Manual Integrations
APPROVED

MMDadoda
8/14/2019 11:31:22 AM



#95
Naphthalene
Concen: 3.647 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX011528.D
Acq: 13 Aug 2019 12:10

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.4	15.6
129	12.6	8.9	13.3

