

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092019\
 Data File : VX012559.D
 Acq On : 20 Sep 2019 15:58
 Operator : JC/SP
 Sample : K4830-04DL 40X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0272DL

Manual Integrations
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MMDadoda
 9/23/2019 11:30:06 AM

Quant Time: Sep 21 02:23:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	185771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	294198	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	247927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	100982	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	124446	46.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.48%	
35) Dibromofluoromethane	5.48	113	86893	48.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.60%	
50) Toluene-d8	8.71	98	343732	52.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.30%	
62) 4-Bromofluorobenzene	11.14	95	122045	44.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.20%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.58	56	36934	20.085	ug/l	95
39) Methylcyclohexane	7.46	83	59063	33.980	ug/l	93
67) Ethyl Benzene	10.25	91	68694	9.771	ug/l	98
68) m/p-Xylenes	10.36	106	1394	0.545	ug/l	93
73) Isopropylbenzene	11.01	105	25101	3.962	ug/l	98
78) n-propylbenzene	11.35	91	34467	4.881	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	21249	3.932	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	171797	30.964	ug/l	97
85) sec-Butylbenzene	11.94	105	6965	1.092	ug/l	91
86) p-Isopropyltoluene	12.06	119	5008	0.855	ug/l	90
89) n-Butylbenzene	12.38	91	3794m	0.726	ug/l	
95) Naphthalene	13.83	128	51696	7.424	ug/l	99

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

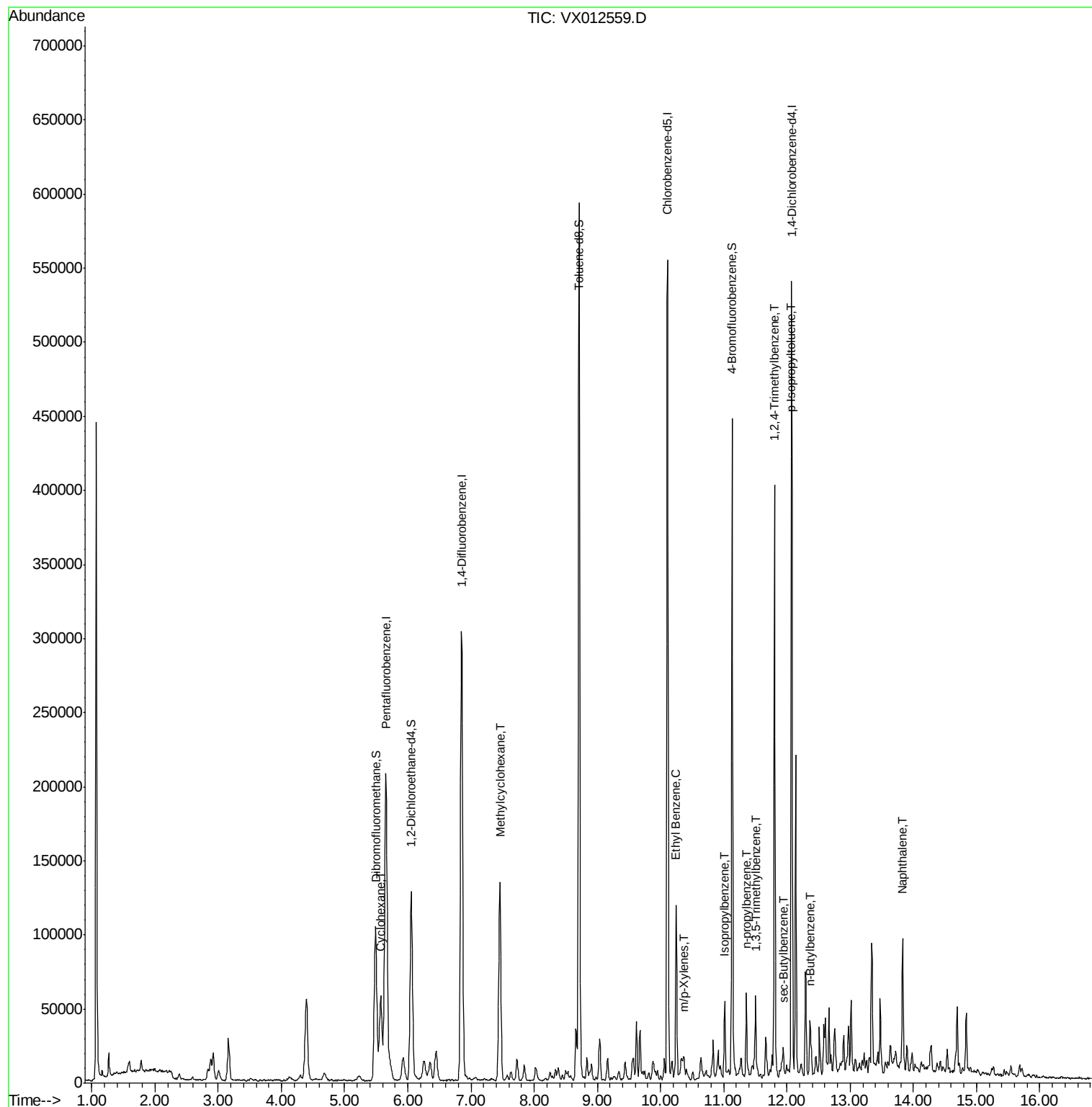
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092019\
Data File : VX012559.D
Acq On : 20 Sep 2019 15:58
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Misc : 5.0mL/MSVOA X/WATER
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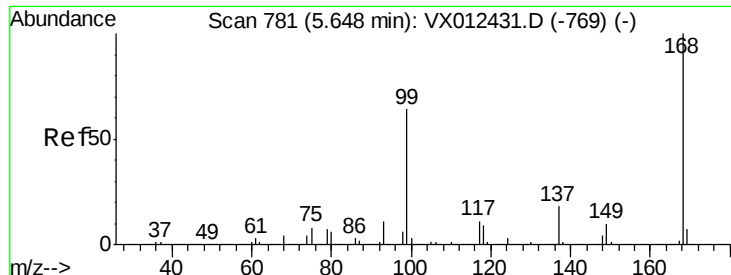
Instrument :
MSVOA_X
ClientSampleId :
S13-0272DL

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Quant Time: Sep 21 02:23:07 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012559.D

Acq: 20 Sep 2019 15:58

Instrument :

MSVOA_X

ClientSampleId :

S13-0272DL

Tot Ion:168 Resp: 185771

Ion Ratio Lower Upper

168 100

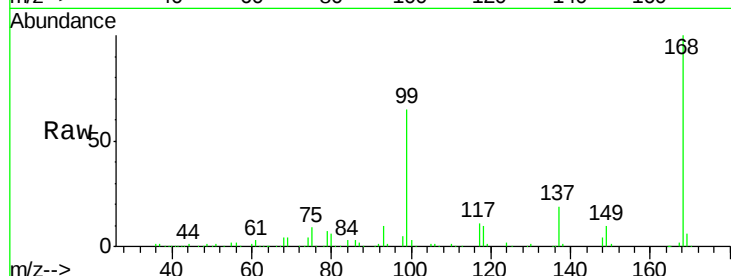
99 65.4 51.4 77.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

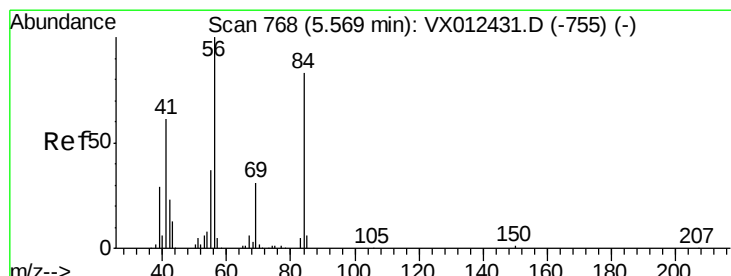
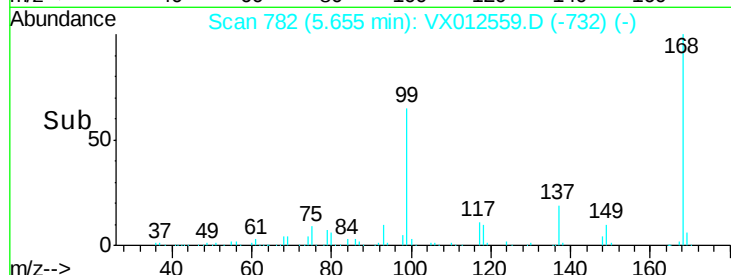
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 20.085 ug/l

RT: 5.58 min Scan# 769

Delta R.T. 0.01 min

Lab File: VX012559.D

Acq: 20 Sep 2019 15:58

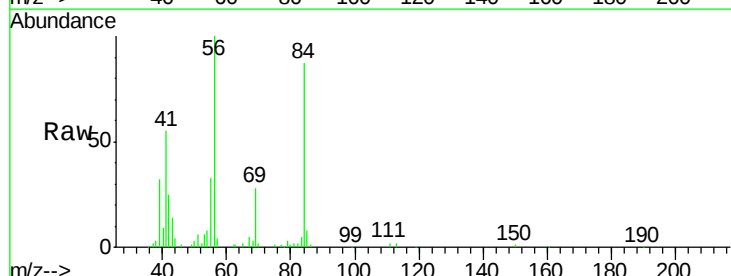
Tgt Ion: 56 Resp: 36934

Ion Ratio Lower Upper

56 100

69 27.2 25.0 37.6

84 87.1 66.4 99.6



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

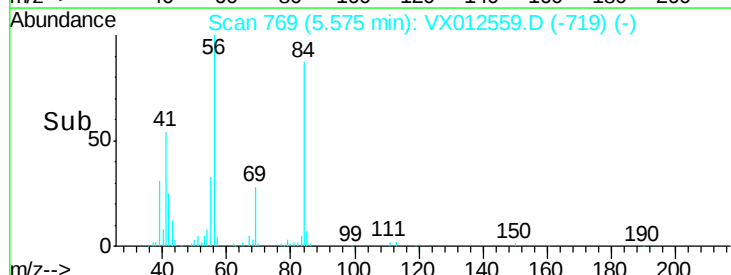
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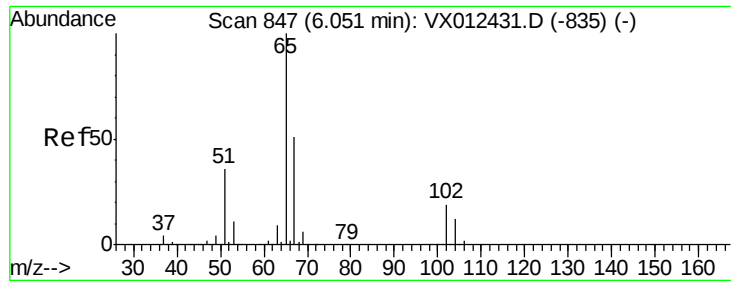
10000

5000

0

Time--> 5.45 5.50 5.55 5.60 5.65





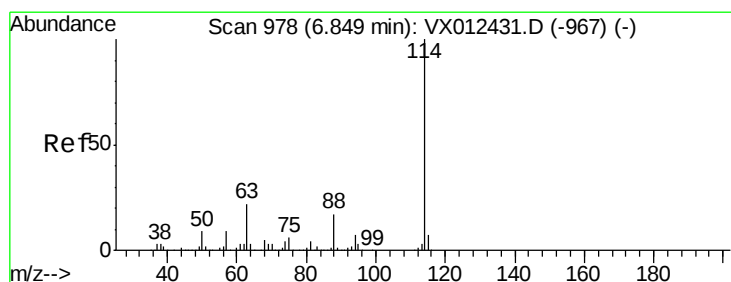
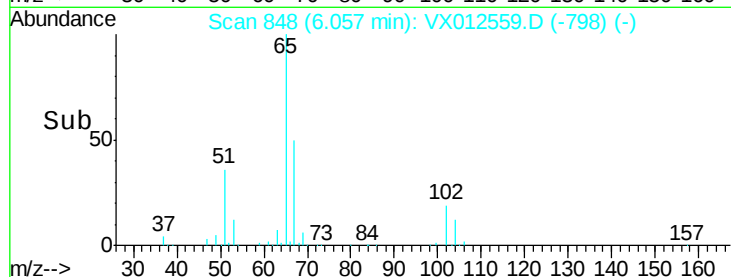
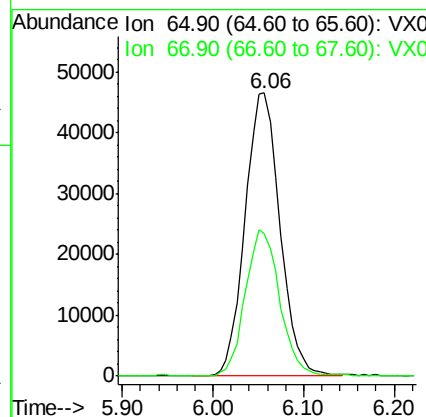
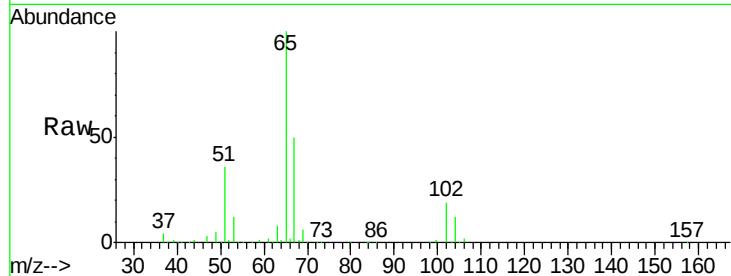
#33
 1,2-Dichloroethane-d4
 Concen: 46.741 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX012559.D
 Acq: 20 Sep 2019 15:58

Instrument :
 MSVOA_X
 ClientSampled :
 S13-0272DL

Tot Ion	Ratio	Resp	Lower	Upper
65	100	124446		
67	50.6	0.0	101.2	

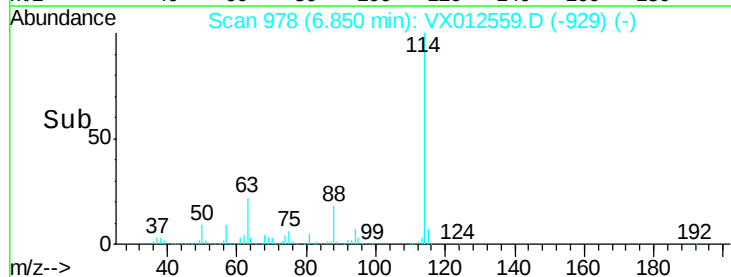
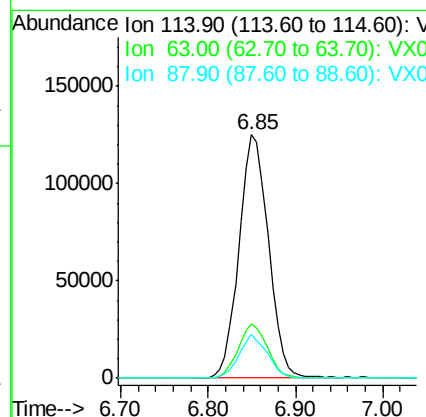
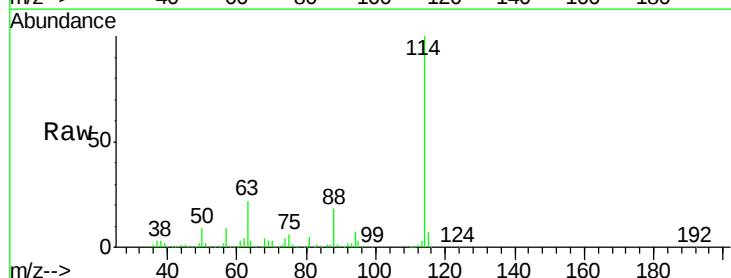
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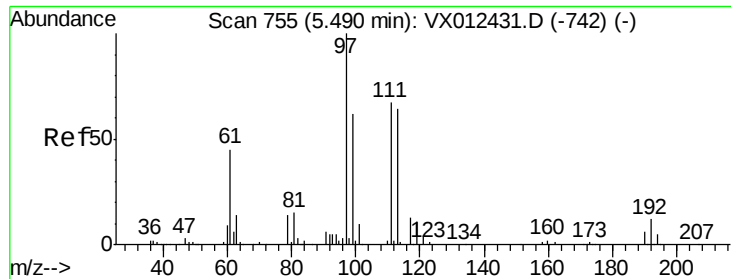
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012559.D
 Acq: 20 Sep 2019 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	294198		
63	22.0	0.0	43.2	
88	17.8	0.0	33.2	





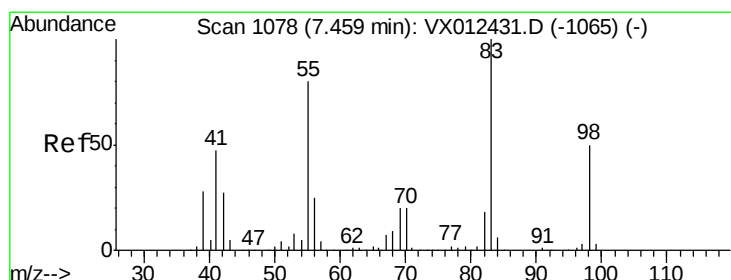
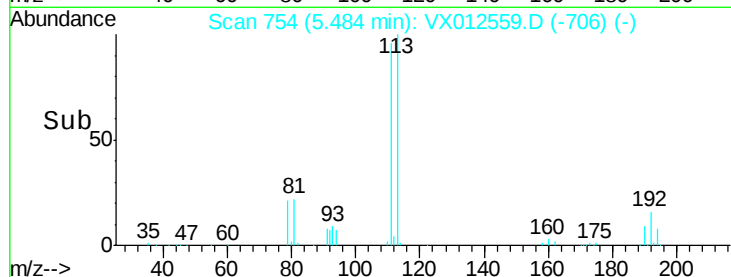
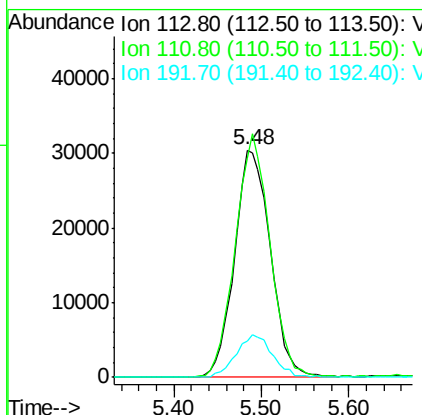
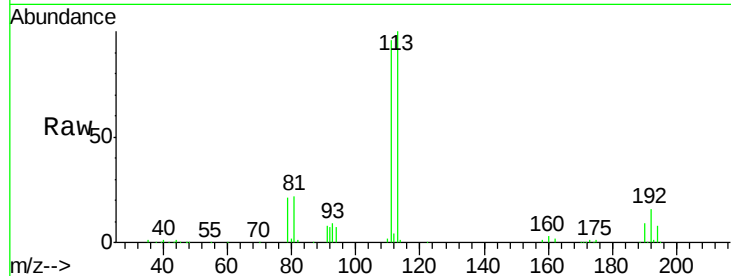
#35
 Dibromofluoromethane
 Concen: 48.798 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX012559.D
 Acq: 20 Sep 2019 15:58

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0272DL

Tot Ion	Ratio	Resp	Lower	Upper
113	100	86893		
111	103.6		83.4	125.2
192	19.0		14.4	21.6

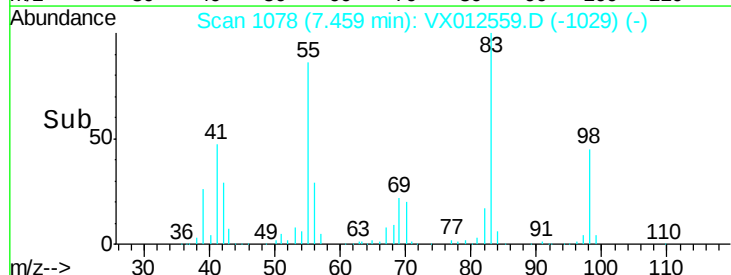
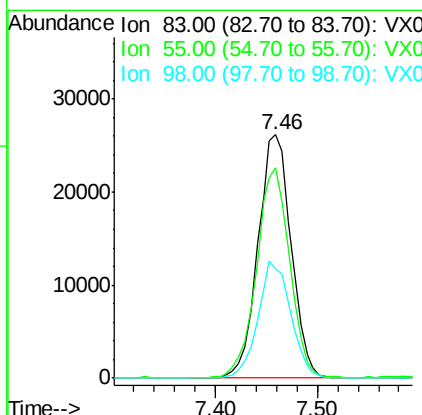
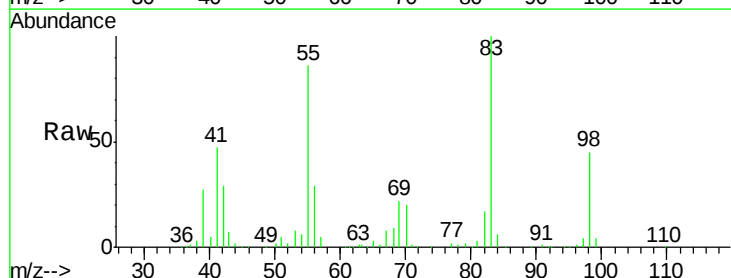
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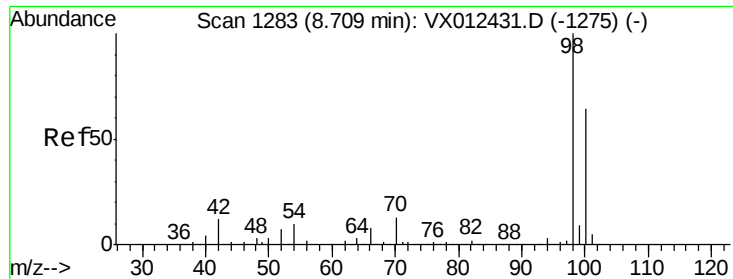
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#39
 Methylcyclohexane
 Concen: 33.980 ug/l
 RT: 7.46 min Scan# 1078
 Delta R.T. 0.00 min
 Lab File: VX012559.D
 Acq: 20 Sep 2019 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	59063		
55	86.2		64.4	96.6
98	45.1		40.1	60.1





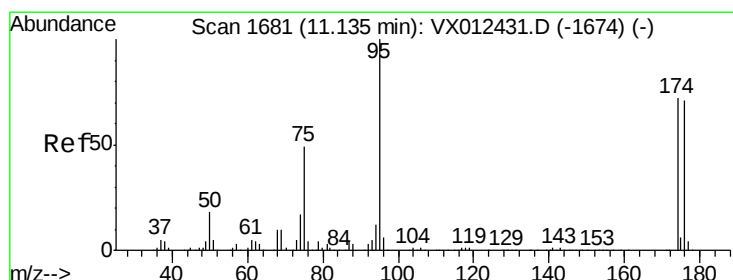
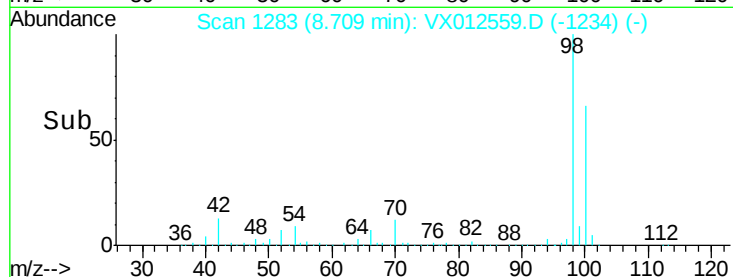
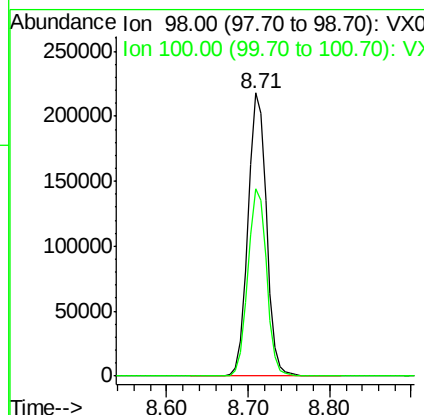
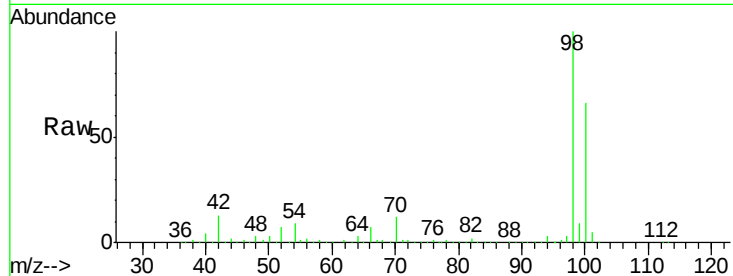
#50
Toluene-d8
Concen: 52.152 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012559.D
Acq: 20 Sep 2019 15:58

Instrument :
MSVOA_X
ClientSampleID :
S13-0272DL

Tot Ion: 98 Resp: 343732
Ion Ratio Lower Upper
98 100
100 66.9 53.4 80.2

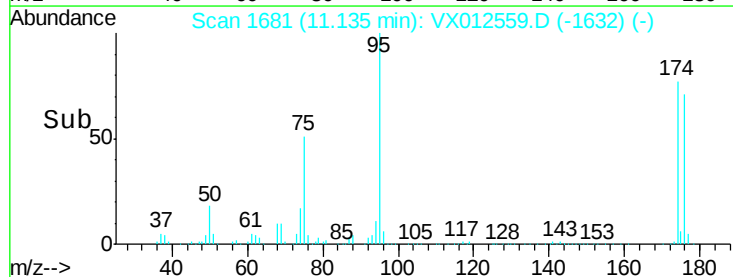
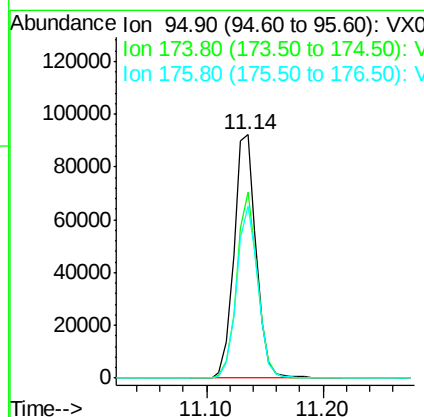
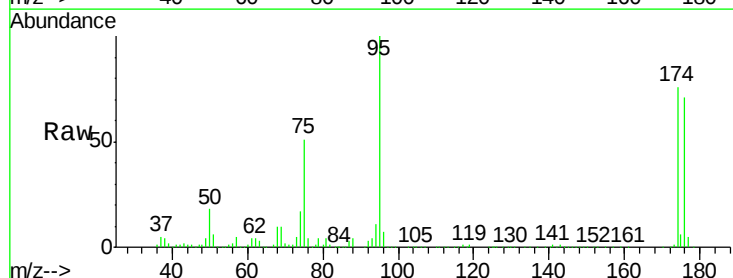
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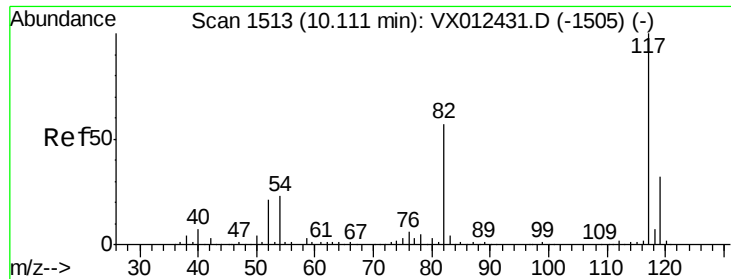
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#62
4-Bromofluorobenzene
Concen: 44.597 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012559.D
Acq: 20 Sep 2019 15:58

Tgt Ion: 95 Resp: 122045
Ion Ratio Lower Upper
95 100
174 71.8 0.0 140.0
176 68.1 0.0 135.4





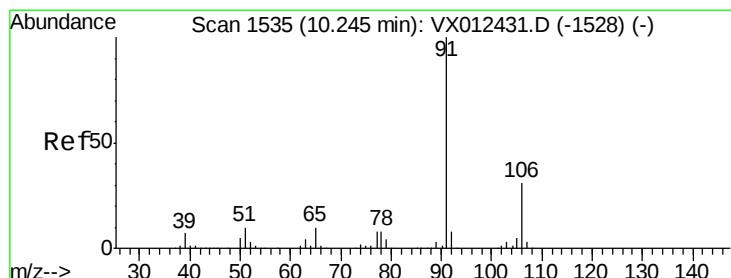
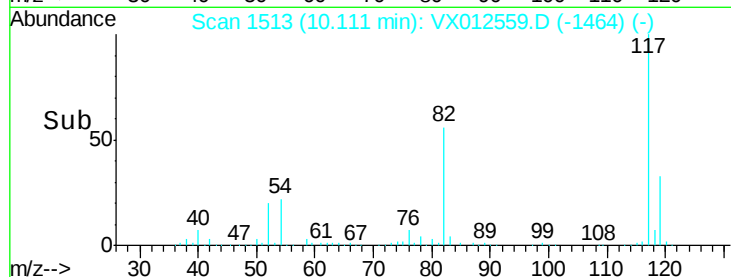
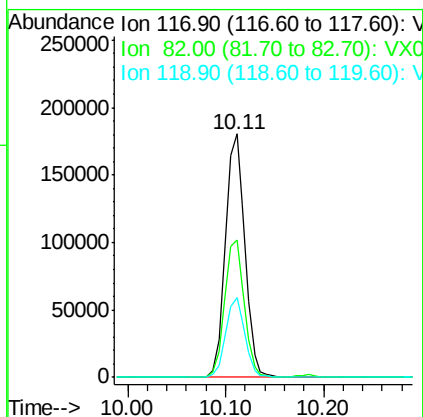
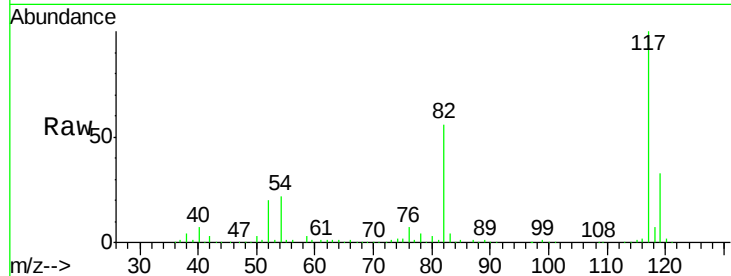
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012559.D
Acq: 20 Sep 2019 15:58

Instrument :
MSVOA_X
ClientSampleId :
S13-0272DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	45.9	68.9
119	32.6	25.3	37.9

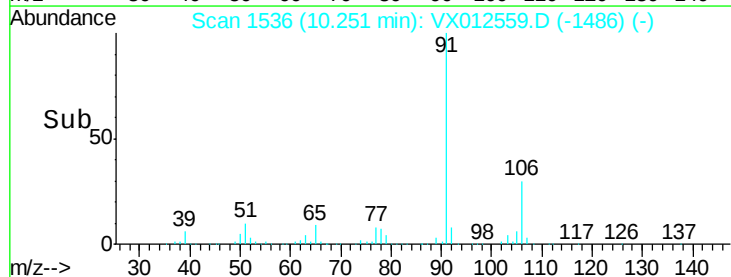
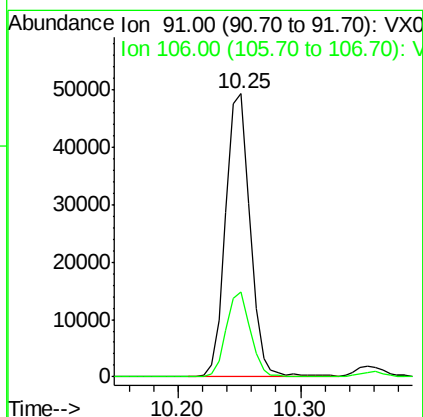
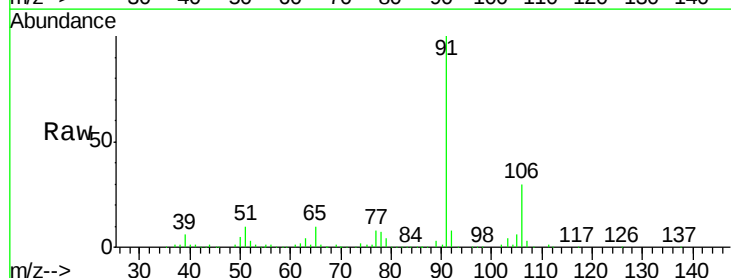
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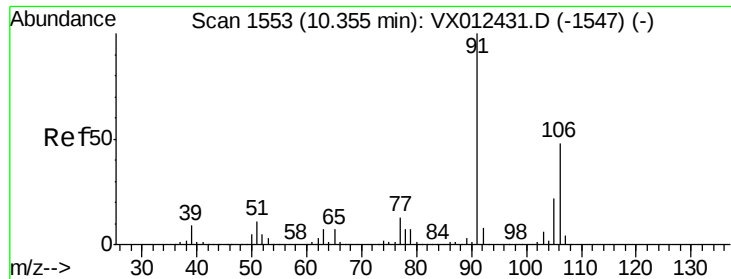
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#67
Ethyl Benzene
Concen: 9.771 ug/l
RT: 10.25 min Scan# 1536
Delta R.T. 0.01 min
Lab File: VX012559.D
Acq: 20 Sep 2019 15:58

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.6	37.0





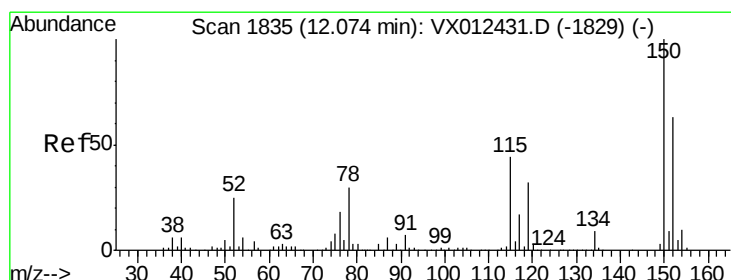
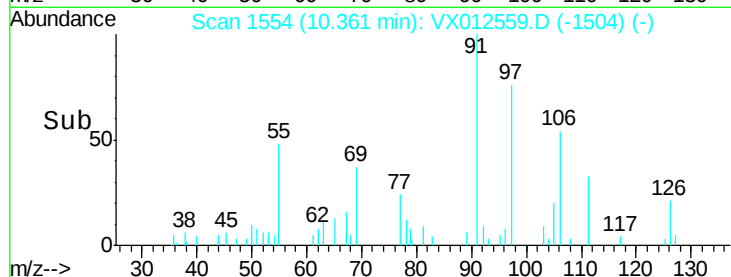
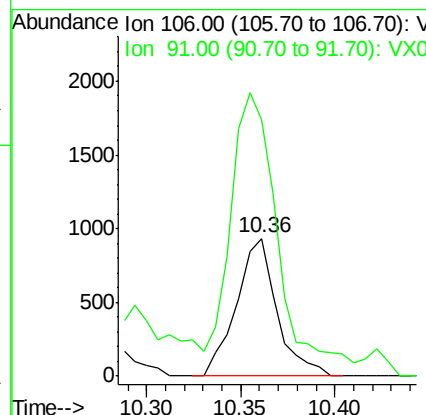
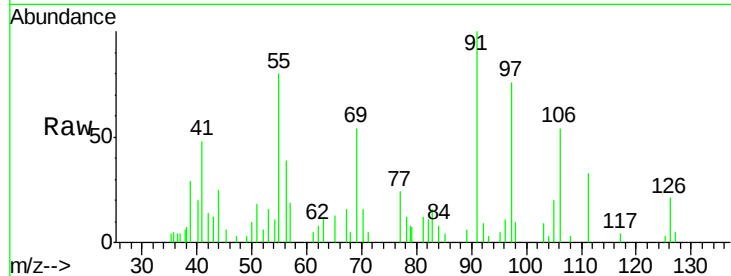
#68
m/p-Xvlenes
Concen: 0.545 ug/l
RT: 10.36 min Scan# 1554
Delta R.T. 0.01 min
Lab File: VX012559.D
Acq: 20 Sep 2019 15:58

Instrument :
MSVOA_X
ClientSampled :
S13-0272DL

Tot Ion:106 Resp: 1394
Ion Ratio Lower Upper
106 100
91 218.5 166.6 250.0

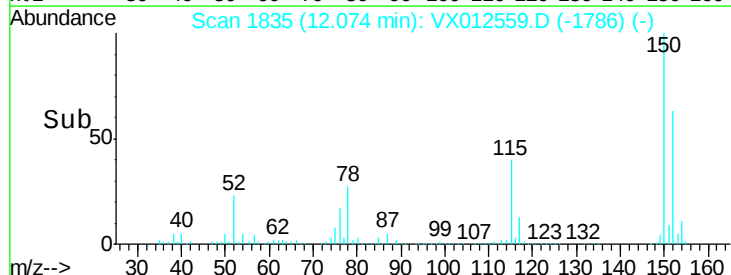
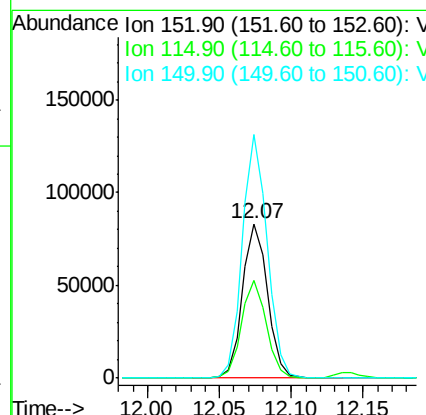
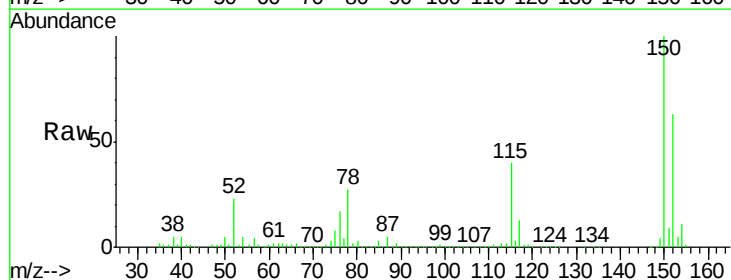
Manual Integrations
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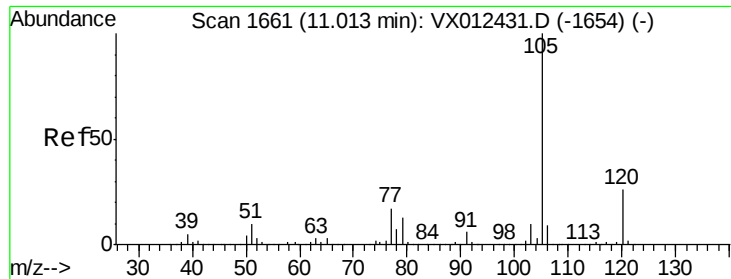
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012559.D
Acq: 20 Sep 2019 15:58

Tgt Ion:152 Resp: 100982
Ion Ratio Lower Upper
152 100
115 63.1 44.1 132.3
150 157.0 0.0 343.8





#73

Isopropylbenzene

Concen: 3.962 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012559.D

Acq: 20 Sep 2019 15:58

Instrument :

MSVOA_X

ClientSampleId :

S13-0272DL

Tot Ion:105 Resp: 25101

Ion Ratio Lower Upper

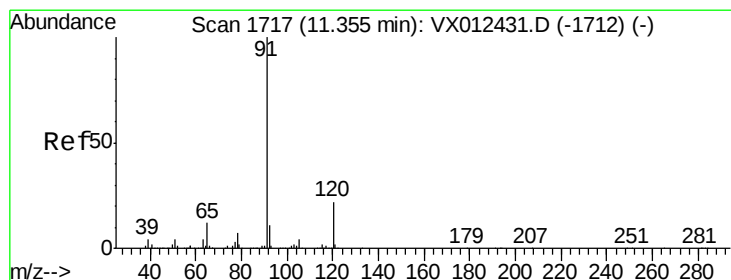
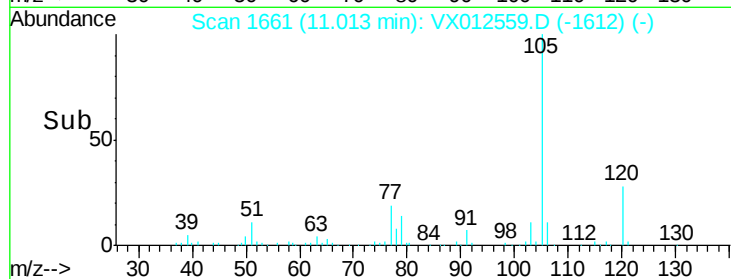
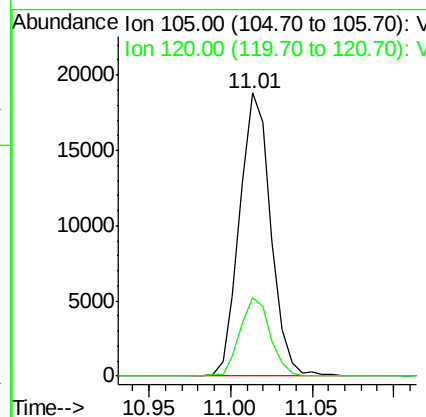
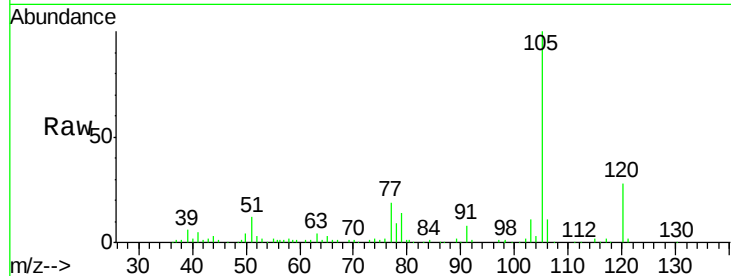
105 100

120 26.7 12.9 38.7

Manual Integrations
APPROVED

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9/23/2019 11:30:06 AM



#78

n-propylbenzene

Concen: 4.881 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012559.D

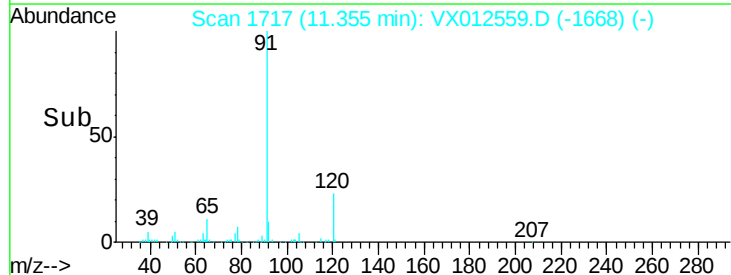
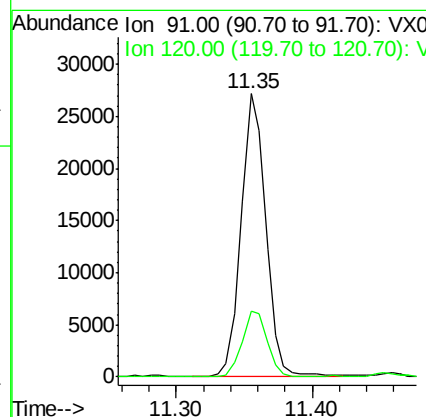
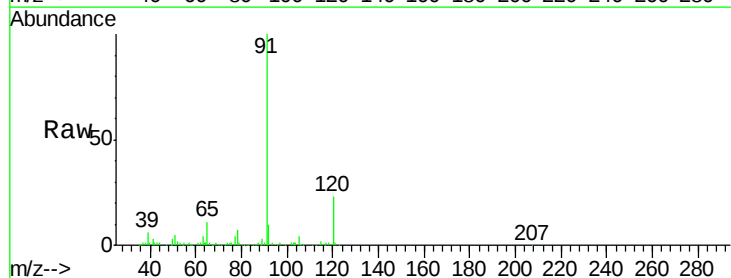
Acq: 20 Sep 2019 15:58

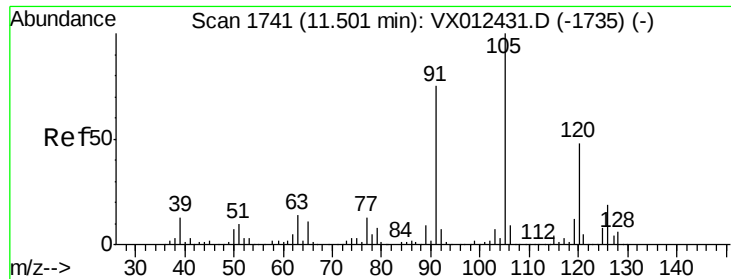
Tgt Ion: 91 Resp: 34467

Ion Ratio Lower Upper

91 100

120 23.7 11.3 33.8





#80

1,3,5-Trimethylbenzene

Concen: 3.932 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX012559.D

Acq: 20 Sep 2019 15:58

Instrument :

MSVOA_X

ClientSampleId :

S13-0272DL

Tot Ion:105 Resp: 21249

Ion Ratio Lower Upper

105 100

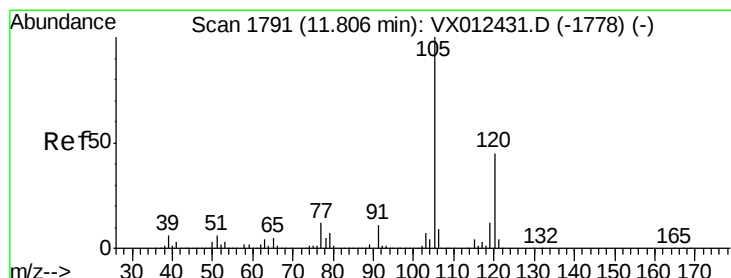
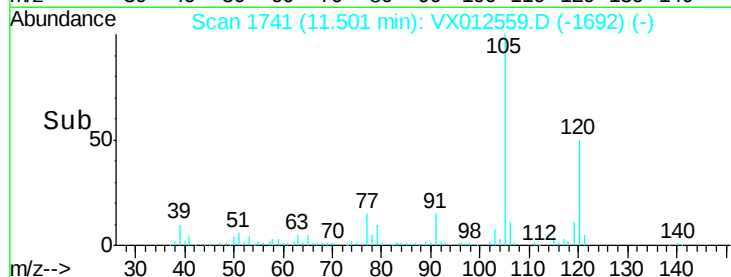
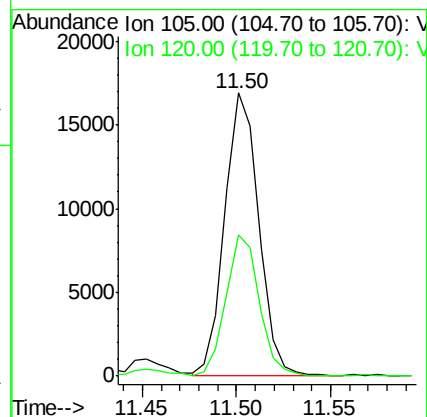
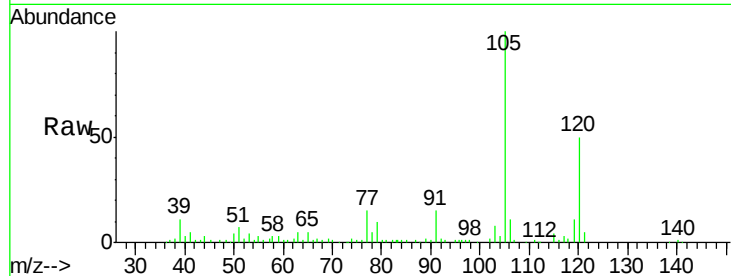
120 49.2 24.3 72.8

Manual Integrations

APPROVED

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9/23/2019 11:30:06 AM



#84

1,2,4-Trimethylbenzene

Concen: 30.964 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX012559.D

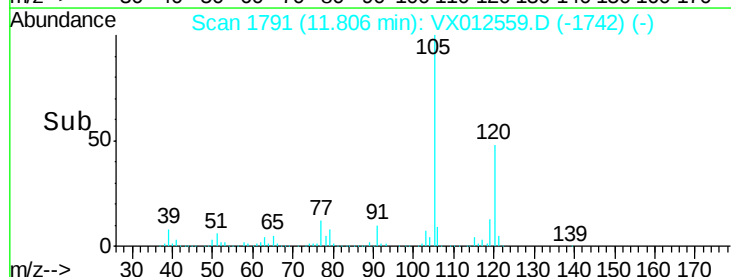
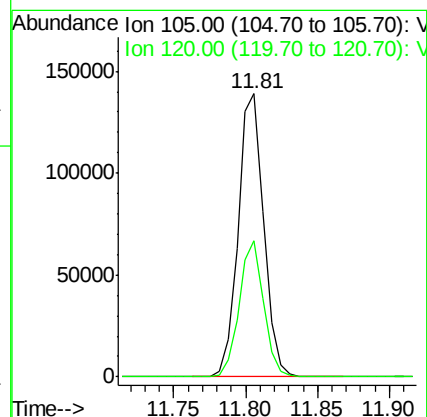
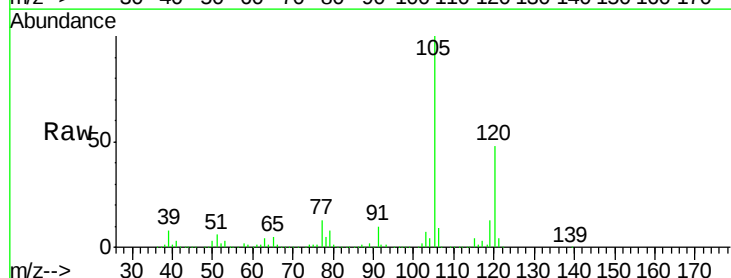
Acq: 20 Sep 2019 15:58

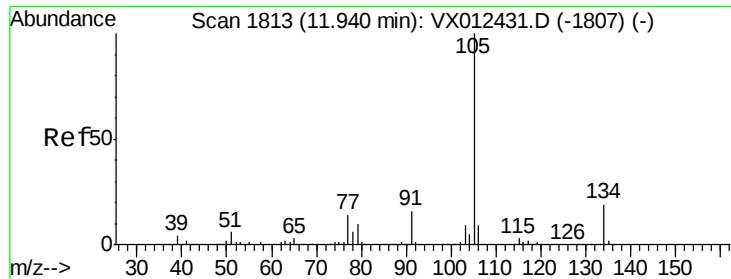
Tgt Ion:105 Resp: 171797

Ion Ratio Lower Upper

105 100

120 46.2 22.2 66.6





#85

sec-Butylbenzene

Concen: 1.092 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012559.D

Acq: 20 Sep 2019 15:58

Instrument :

MSVOA_X

ClientSampleId :

S13-0272DL

Tot Ion:105 Resp: 6965

Ion Ratio Lower Upper

105 100

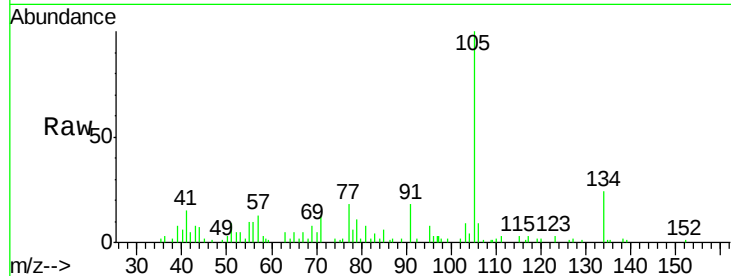
134 23.7 9.8 29.4

Manual Integrations

APPROVED

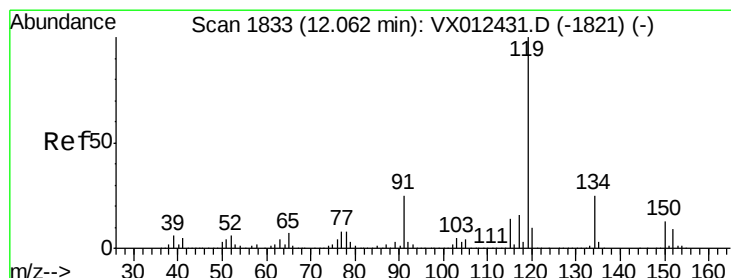
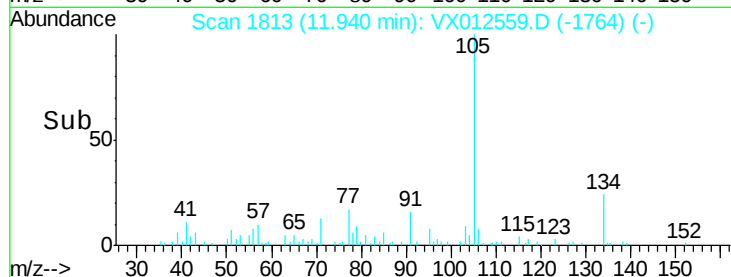
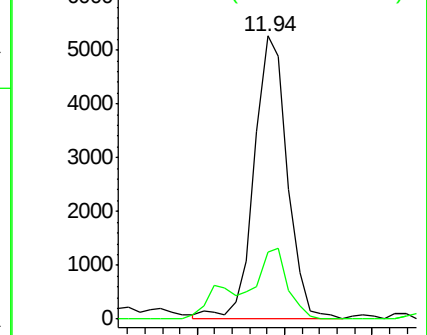
MMDadoda

9/23/2019 11:30:06 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.855 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012559.D

Acq: 20 Sep 2019 15:58

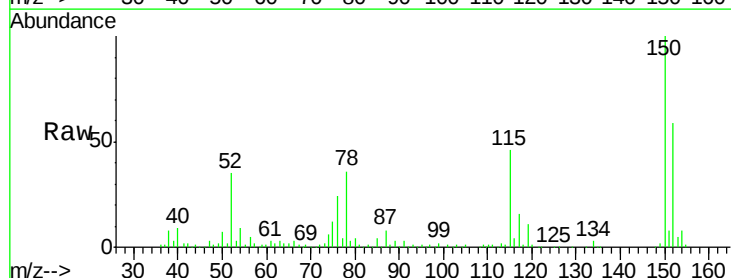
Tgt Ion:119 Resp: 5008

Ion Ratio Lower Upper

119 100

134 26.7 12.7 38.1

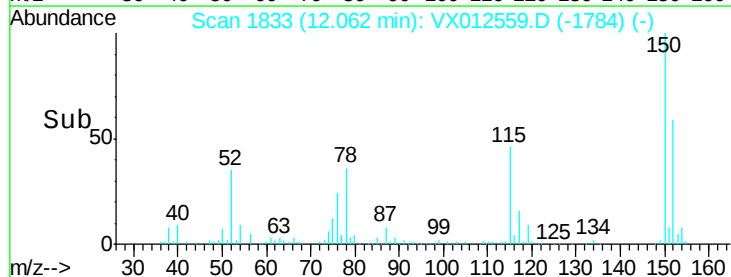
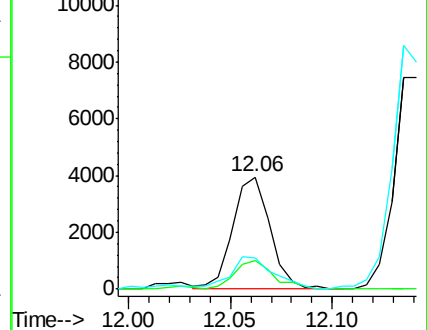
91 34.0 12.8 38.4

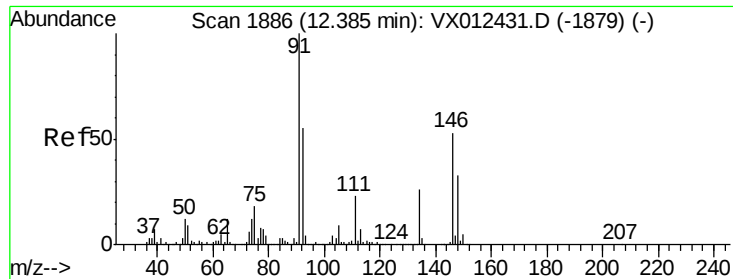


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





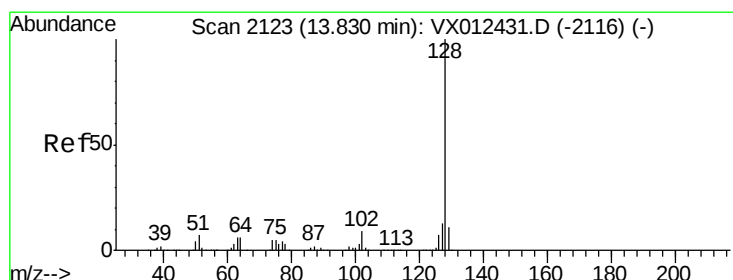
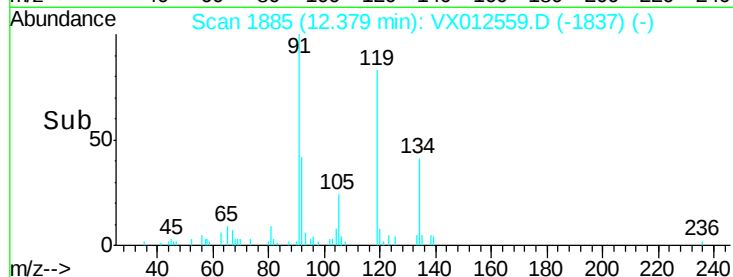
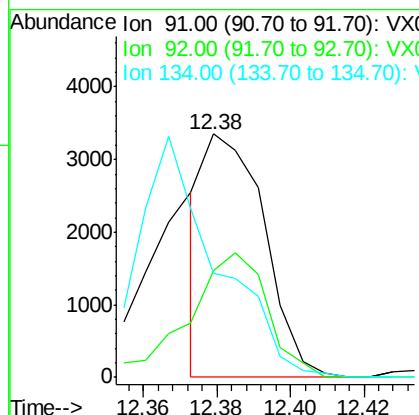
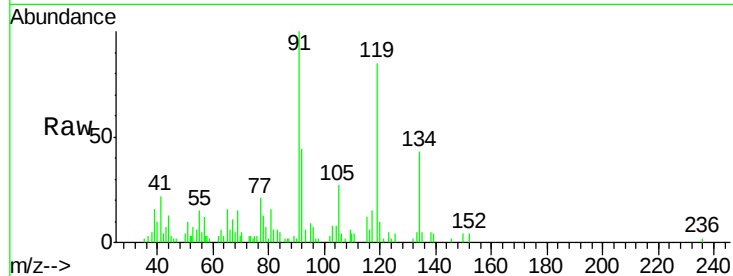
#89
n-Butylbenzene
Concen: 0.726 ug/l m
RT: 12.38 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX012559.D
Acq: 20 Sep 2019 15:58

Instrument :
MSVOA_X
ClientSampleID :
S13-0272DL

Tot Ion	Ratio	Lower	Upper
91	100		
92	68.1	27.7	83.0
134	132.8	12.9	38.6#

Manual Integrations
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9/23/2019 11:30:06 AM



#95
Naphthalene
Concen: 7.424 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012559.D
Acq: 20 Sep 2019 15:58

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	11.7	8.8	13.2

