

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091819\
 Data File : VX012505.D
 Acq On : 19 Sep 2019 04:14
 Operator : JC/SP
 Sample : K4830-11DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 S13-0282DL

Manual Integrations
 APPROVED

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 9/19/2019 1:06:43 PM

Quant Time: Sep 19 15:06:37 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	192260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	307969	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	258295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	104529	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	130618	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	
35) Dibromofluoromethane	5.49	113	90791	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
50) Toluene-d8	8.71	98	355630	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
62) 4-Bromofluorobenzene	11.14	95	126628	44.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.40%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.57	56	16942	8.902	ug/l	97
39) Methylcyclohexane	7.45	83	33097	18.190	ug/l	96
67) Ethyl Benzene	10.25	91	6358	0.868	ug/l	94
68) m/p-Xylenes	10.36	106	6649	2.495	ug/l	96
69) o-Xylene	10.69	106	1162	0.424	ug/l	98
73) Isopropylbenzene	11.01	105	122846	18.731	ug/l	98
78) n-propylbenzene	11.35	91	127575	17.453	ug/l	100
83) tert-Butylbenzene	11.77	119	3815	0.637	ug/l	87
84) 1,2,4-Trimethylbenzene	11.80	105	309257	53.848	ug/l	98
85) sec-Butylbenzene	11.94	105	22462	3.401	ug/l #	78
86) p-Isopropyltoluene	12.06	119	5905	0.974	ug/l	87
89) n-Butylbenzene	12.39	91	4972m	0.919	ug/l	
95) Naphthalene	13.83	128	63039	8.746	ug/l	96

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

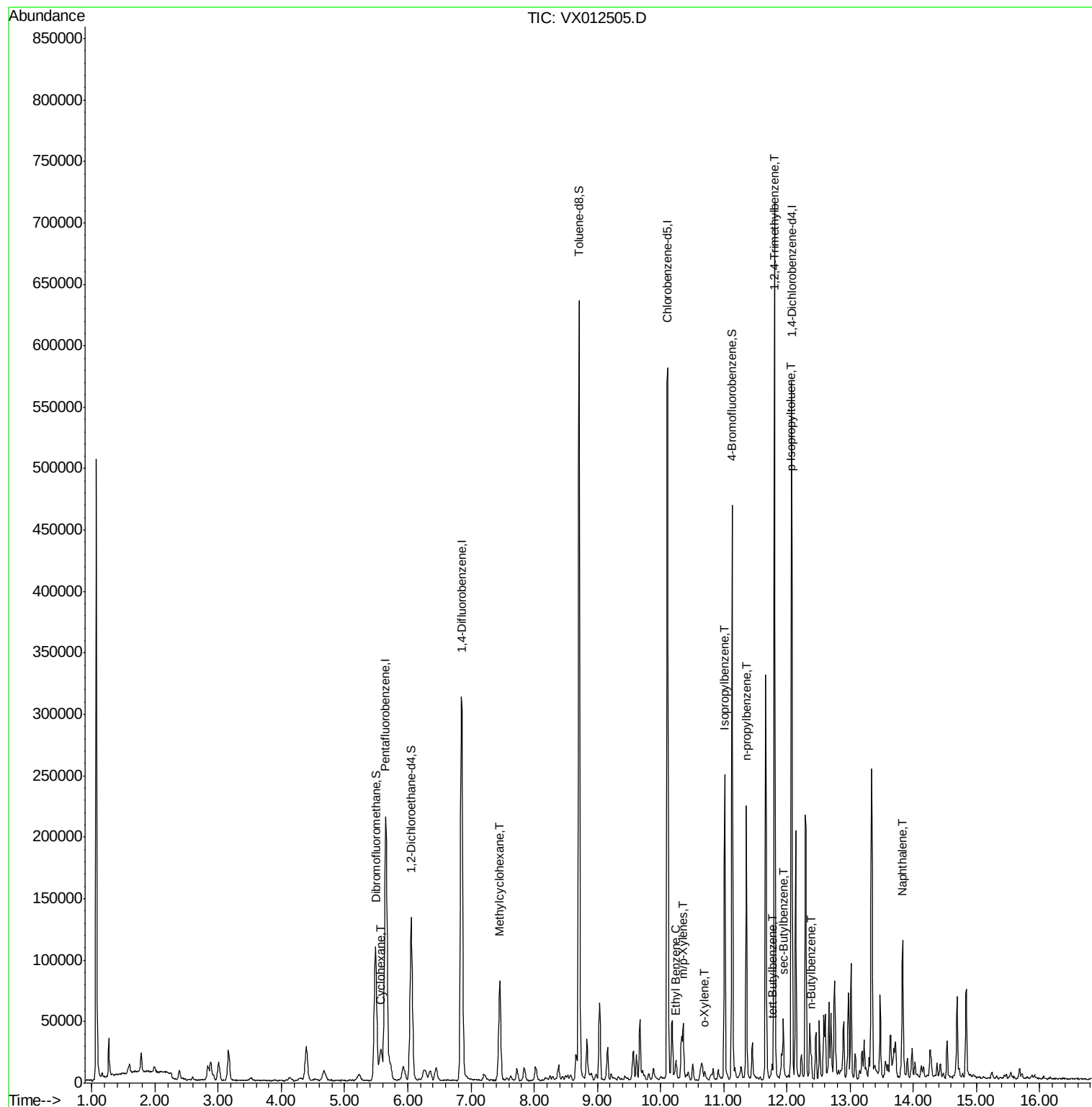
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091819\
Data File : VX012505.D
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ALS Vial : 47 Sample Multiplier: 1

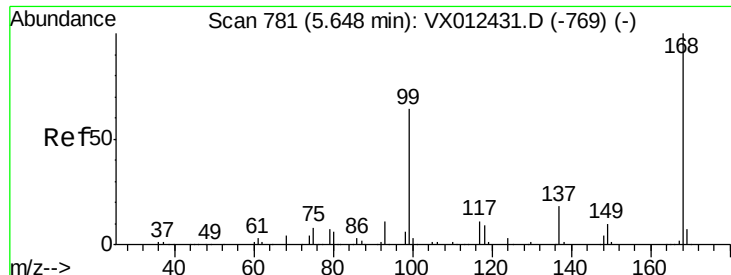
Instrument :
MSVOA_X
ClientSampleId :
S13-0282DL

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Quant Time: Sep 19 15:06:37 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: VX012505.D

Acq: 19 Sep 2019 04:14

Instrument :

MSVOA_X

ClientSampleId :

S13-0282DL

Tot Ion:168 Resp: 192260

Ion Ratio Lower Upper

168 100

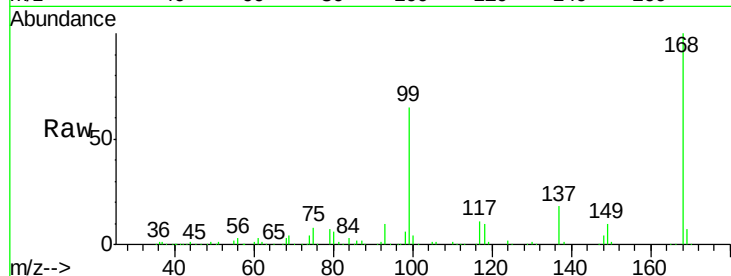
99 65.1 51.4 77.2

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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

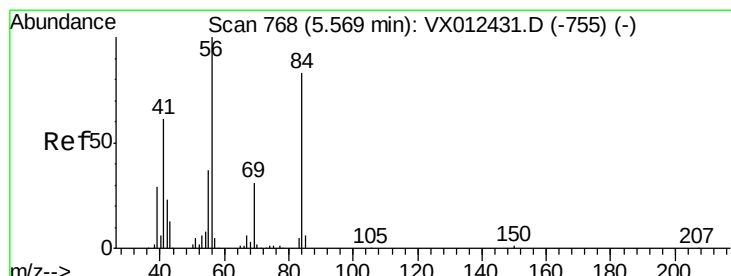
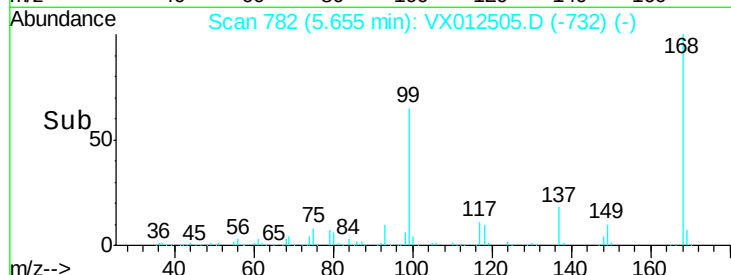
60000

40000

20000

0

Time--> 5.50 5.60 5.70



#31

Cyclohexane

Concen: 8.902 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX012505.D

Acq: 19 Sep 2019 04:14

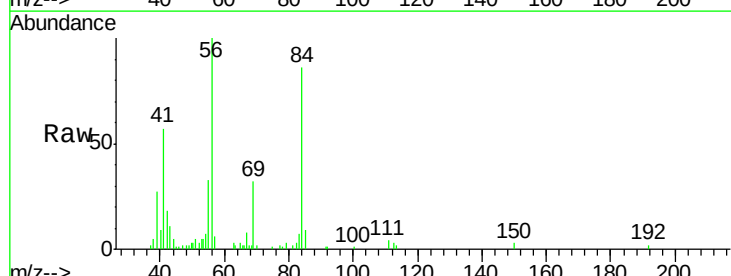
Tgt Ion: 56 Resp: 16942

Ion Ratio Lower Upper

56 100

69 32.3 25.0 37.6

84 86.5 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

5.57

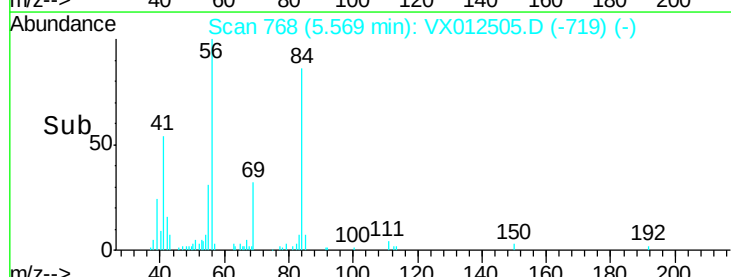
6000

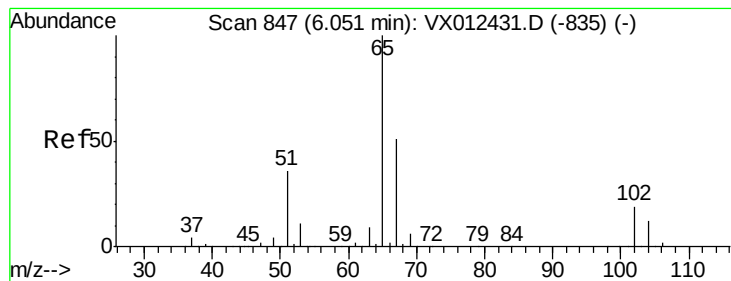
4000

2000

0

Time--> 5.50 5.60





#33

1,2-Dichloroethane-d4

Concen: 47.403 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012505.D

Acq: 19 Sep 2019 04:14

Instrument :

MSVOA_X

ClientSampled :

S13-0282DL

Tot Ion: 65 Resp: 130618

Ion Ratio Lower Upper

65 100

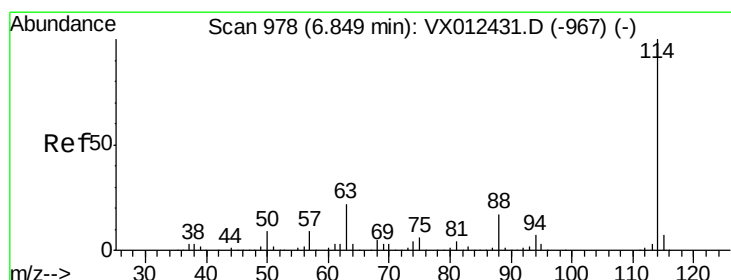
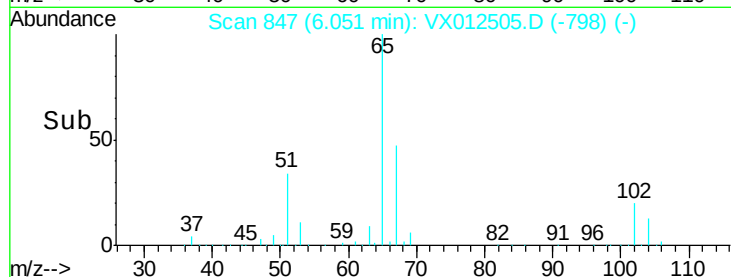
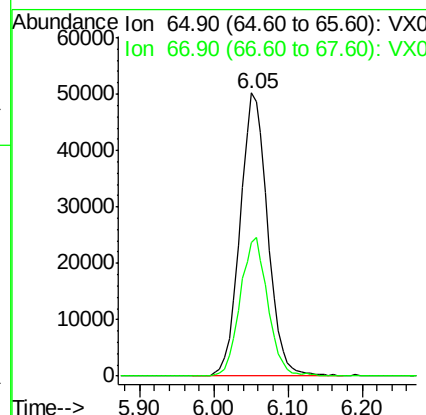
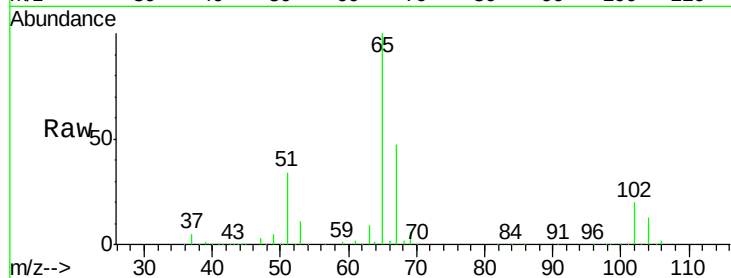
67 48.7 0.0 101.2

Manual Integrations

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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: VX012505.D

Acq: 19 Sep 2019 04:14

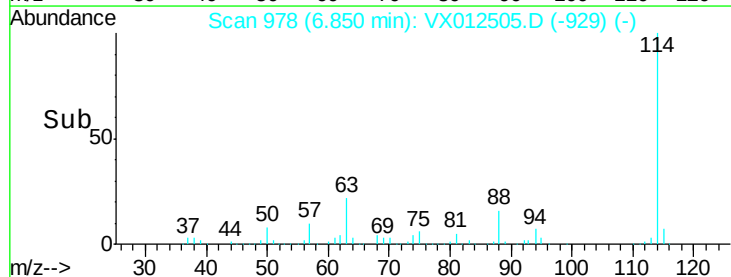
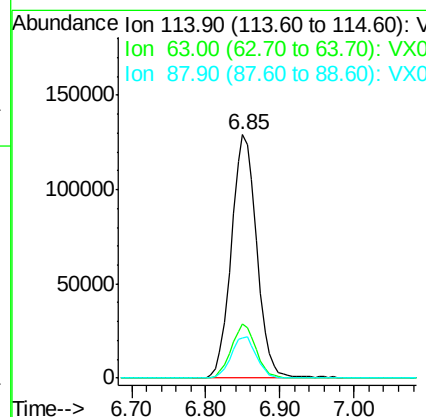
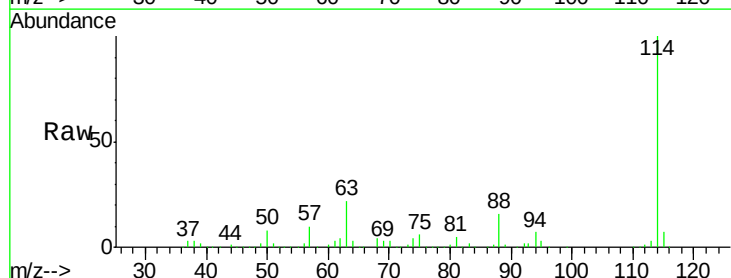
Tgt Ion: 114 Resp: 307969

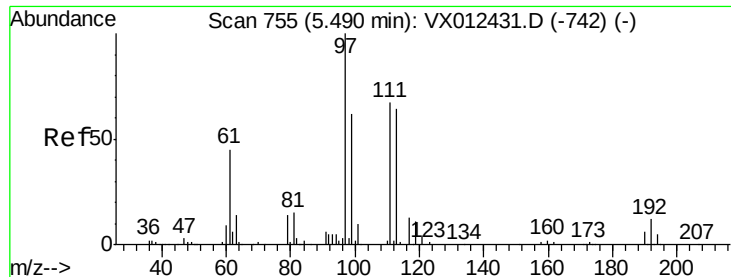
Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.2

88 16.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.707 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012505.D

Acq: 19 Sep 2019 04:14

Instrument :

MSVOA_X

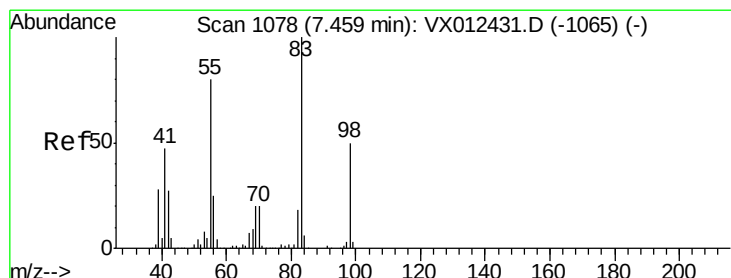
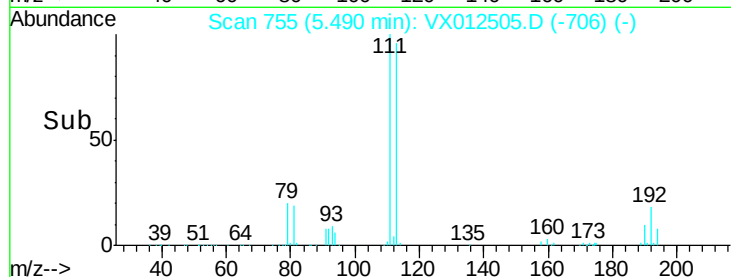
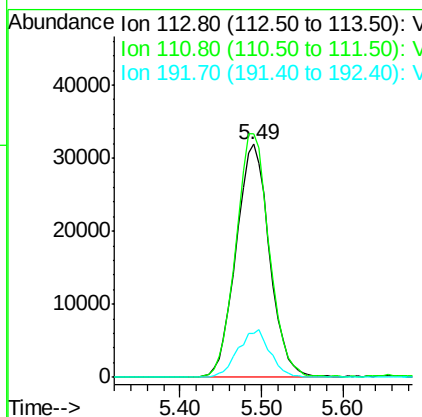
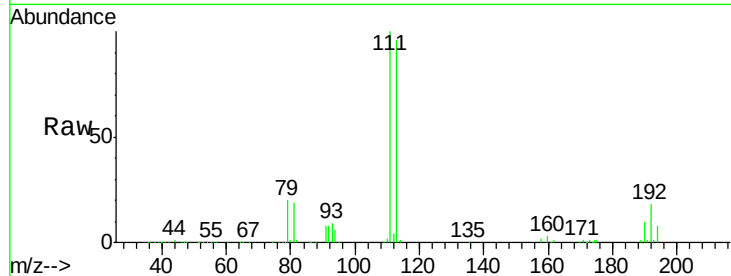
ClientSampleId :

S13-0282DL

Tot Ion:	113	Resp:	90791
Ion	Ratio	Lower	Upper
113	100		
111	104.3	83.4	125.2
192	19.8	14.4	21.6

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#39

Methylcyclohexane

Concen: 18.190 ug/l

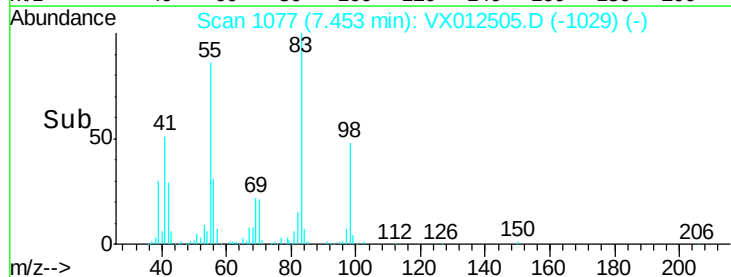
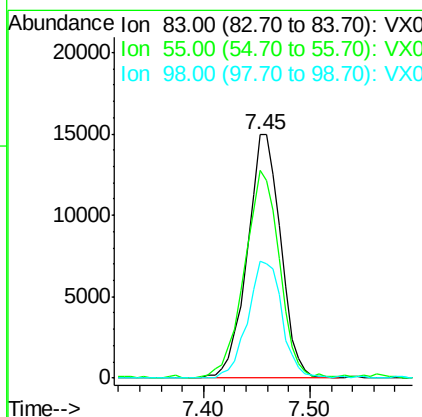
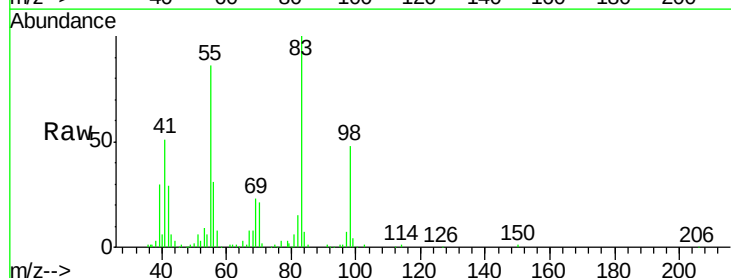
RT: 7.45 min Scan# 1077

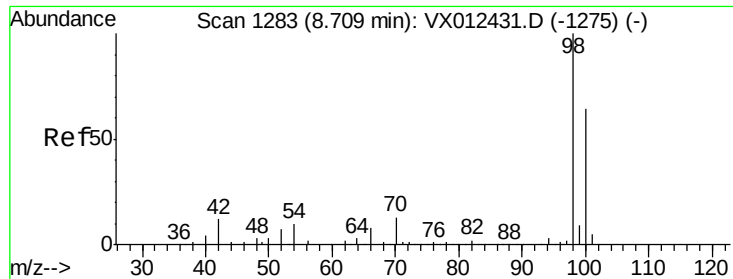
Delta R.T. -0.01 min

Lab File: VX012505.D

Acq: 19 Sep 2019 04:14

Tgt Ion:	83	Resp:	33097
Ion	Ratio	Lower	Upper
83	100		
55	85.1	64.4	96.6
98	48.1	40.1	60.1





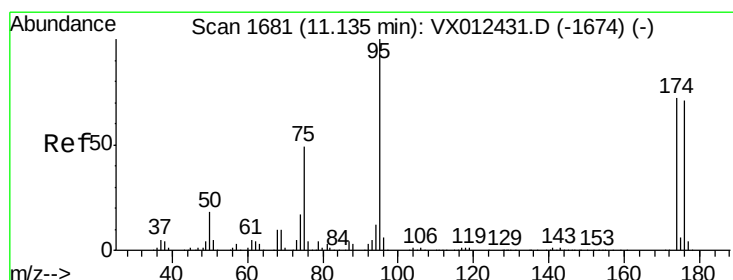
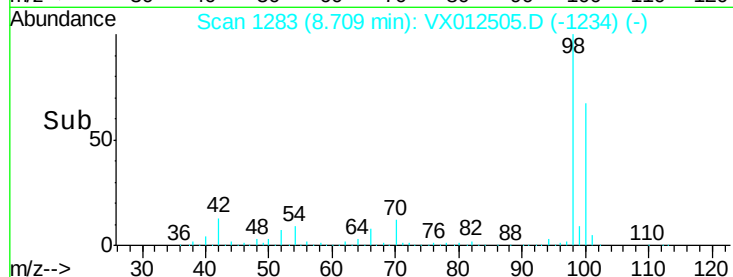
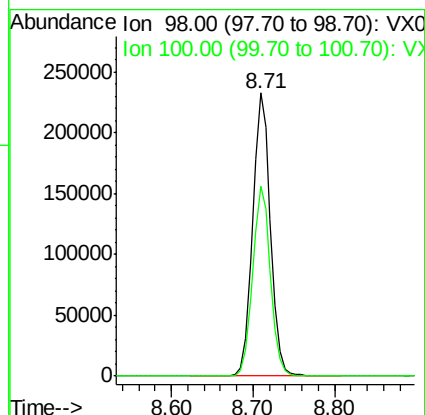
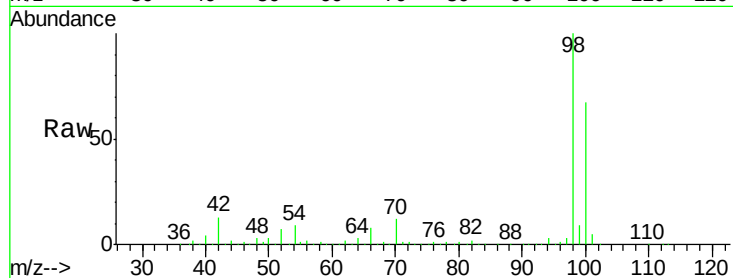
#50
Toluene-d8
Concen: 51.544 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012505.D
Acq: 19 Sep 2019 04:14

Instrument :
MSVOA_X
ClientSampled :
S13-0282DL

Tot Ion: 98 Resp: 355630
Ion Ratio Lower Upper
98 100
100 67.2 53.4 80.2

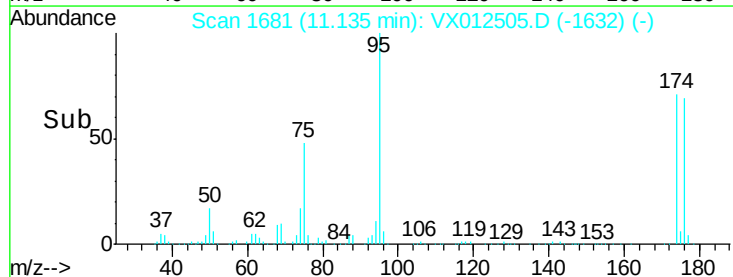
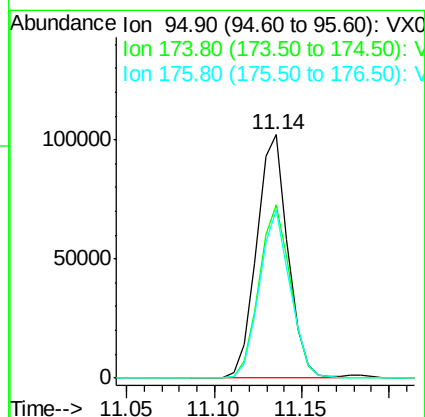
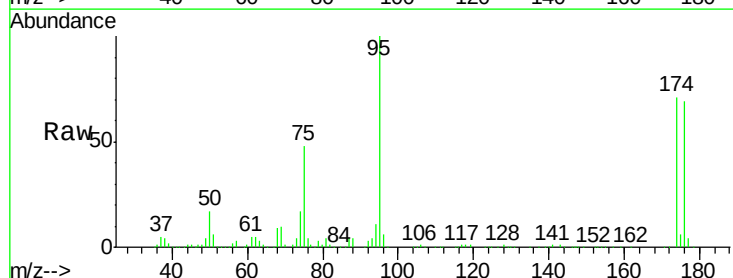
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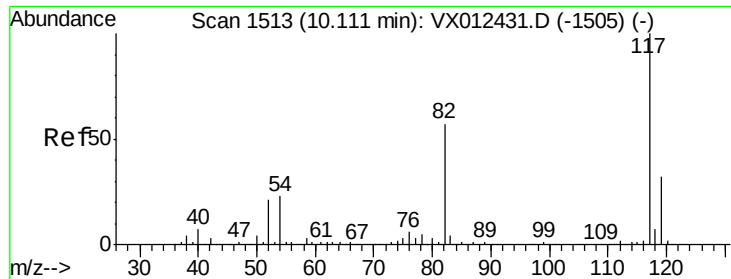
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#62
4-Bromofluorobenzene
Concen: 44.202 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012505.D
Acq: 19 Sep 2019 04:14

Tgt Ion: 95 Resp: 126628
Ion Ratio Lower Upper
95 100
174 72.0 0.0 140.0
176 68.6 0.0 135.4





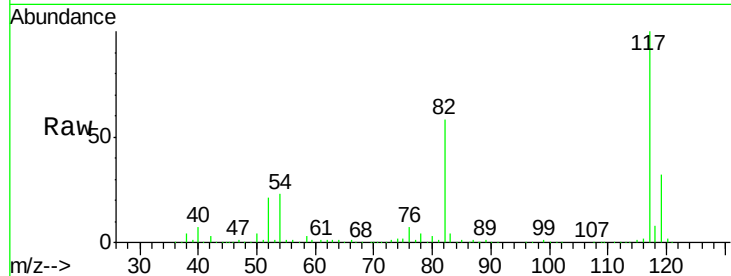
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012505.D
Acq: 19 Sep 2019 04:14

Instrument :
MSVOA_X
ClientSampleId :
S13-0282DL

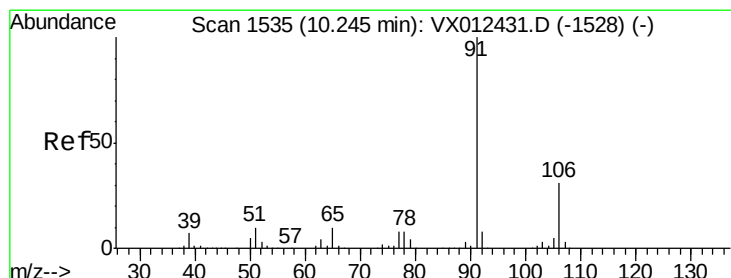
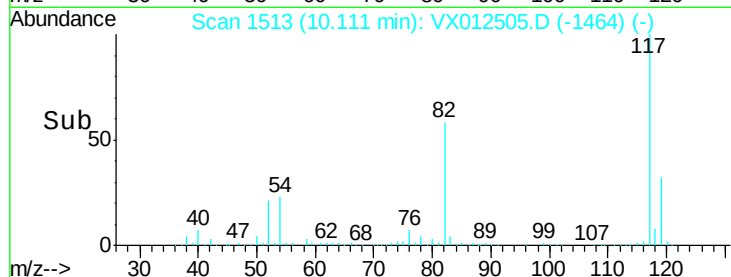
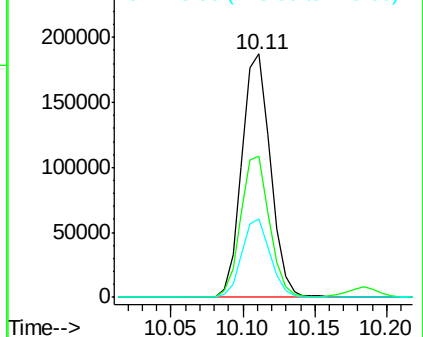
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	45.9	68.9
119	32.3	25.3	37.9

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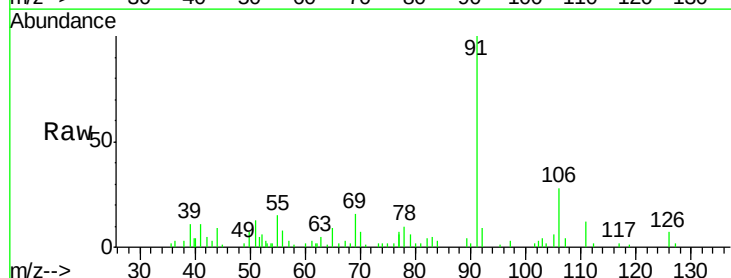


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

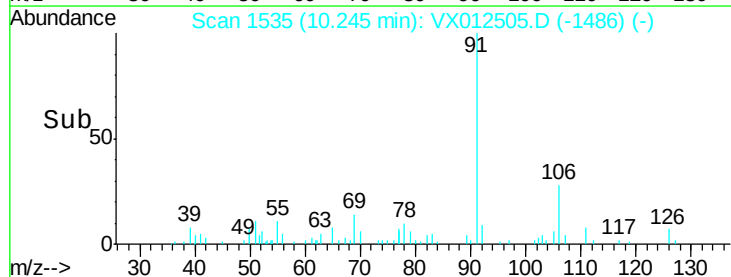
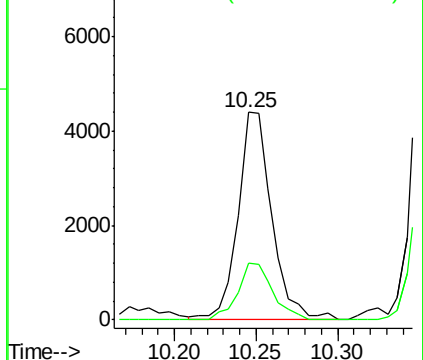


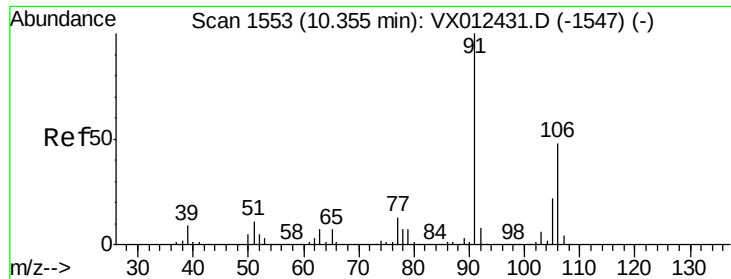
#67
Ethyl Benzene
Concen: 0.868 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012505.D
Acq: 19 Sep 2019 04:14

Tgt Ion	Ratio	Lower	Upper
91	100		
106	27.7	24.6	37.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 2.495 ug/l

RT: 10.36 min Scan# 1554

Delta R.T. 0.01 min

Lab File: VX012505.D

Acq: 19 Sep 2019 04:14

Instrument :

MSVOA_X

ClientSampled :

S13-0282DL

Tot Ion:106 Resp: 6649

Ion Ratio Lower Upper

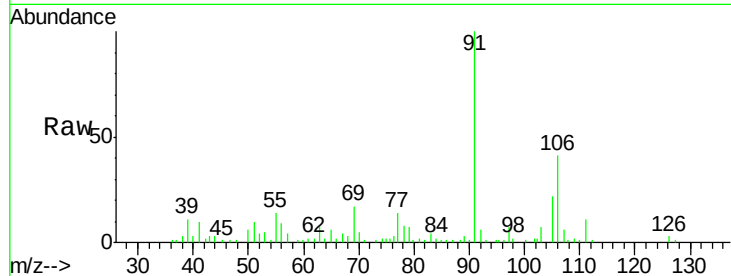
106 100

91 214.8 166.6 250.0

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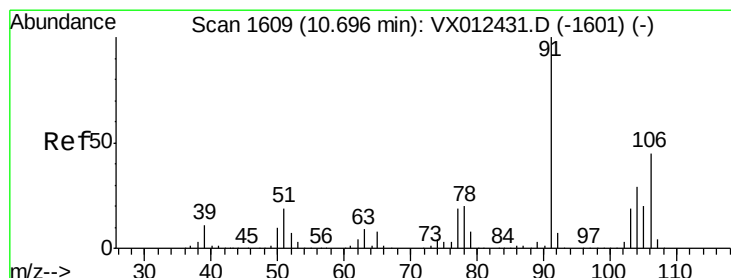
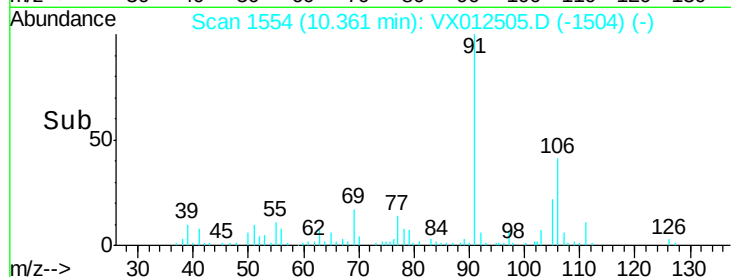
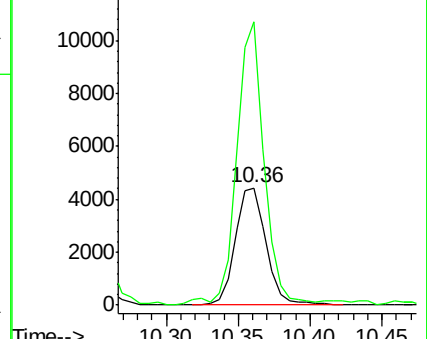
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 0.424 ug/l

RT: 10.69 min Scan# 1608

Delta R.T. -0.01 min

Lab File: VX012505.D

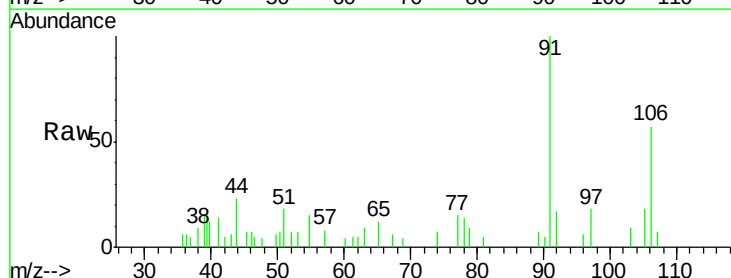
Acq: 19 Sep 2019 04:14

Tgt Ion:106 Resp: 1162

Ion Ratio Lower Upper

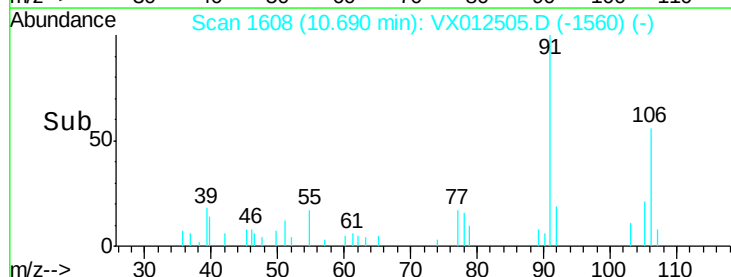
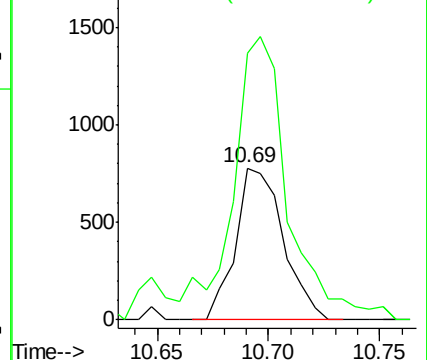
106 100

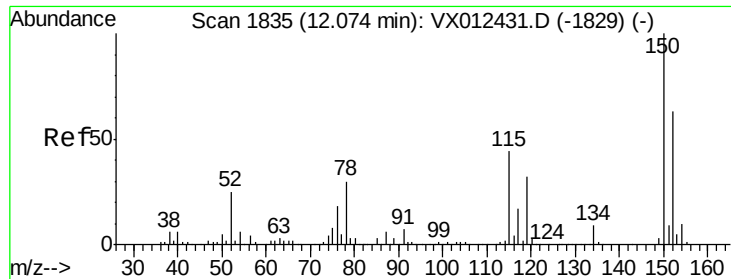
91 215.8 109.4 328.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012505.D

Acq: 19 Sep 2019 04:14

Instrument :

MSVOA_X

ClientSampleId :

S13-0282DL

Tot Ion:152 Resp: 104529

Ion Ratio Lower Upper

152 100

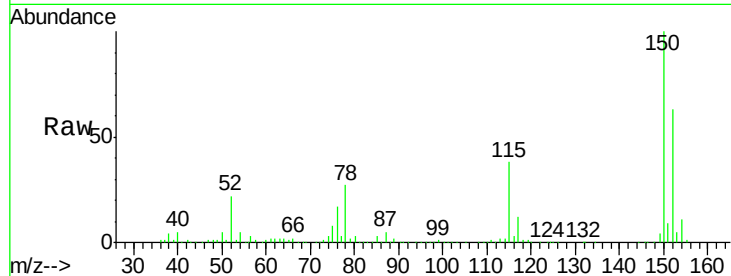
115 64.1 44.1 132.3

150 161.1 0.0 343.8

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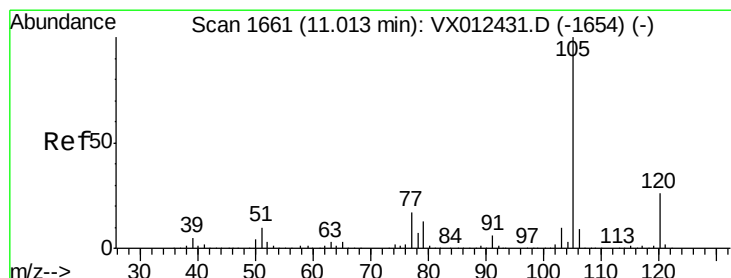
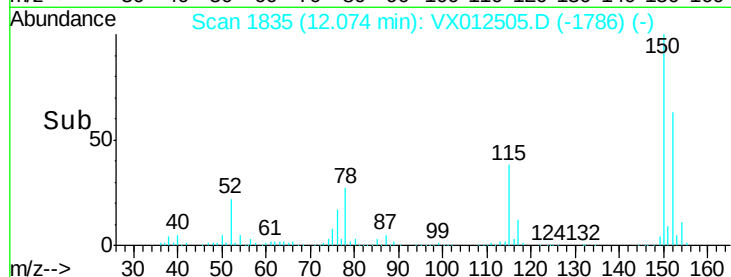
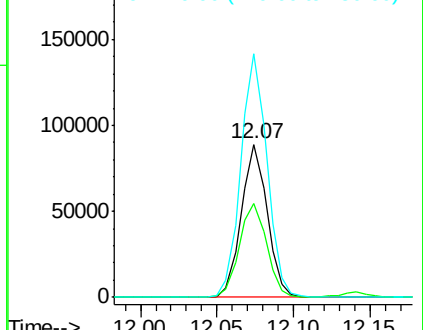
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 18.731 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012505.D

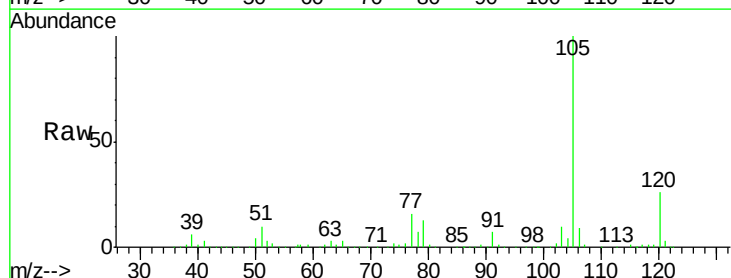
Acq: 19 Sep 2019 04:14

Tgt Ion:105 Resp: 122846

Ion Ratio Lower Upper

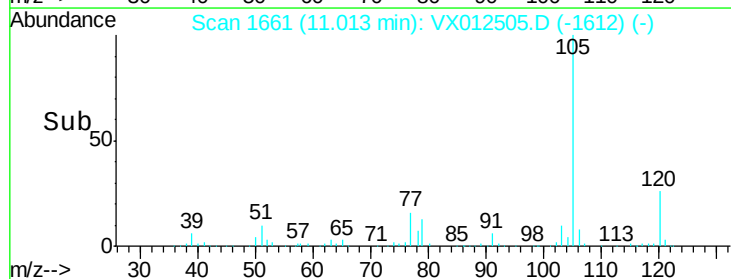
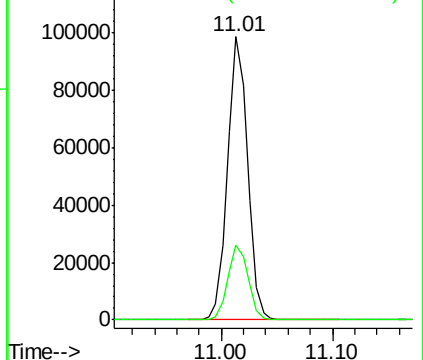
105 100

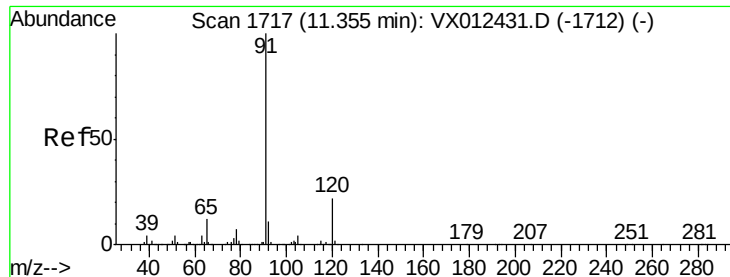
120 26.6 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 17.453 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012505.D

Acq: 19 Sep 2019 04:14

Instrument :

MSVOA_X

ClientSampleId :

S13-0282DL

Tot Ion: 91 Resp: 127575

Ion Ratio Lower Upper

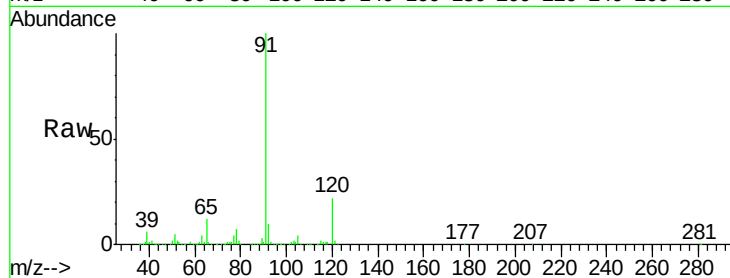
91 100

120 22.6 11.3 33.8

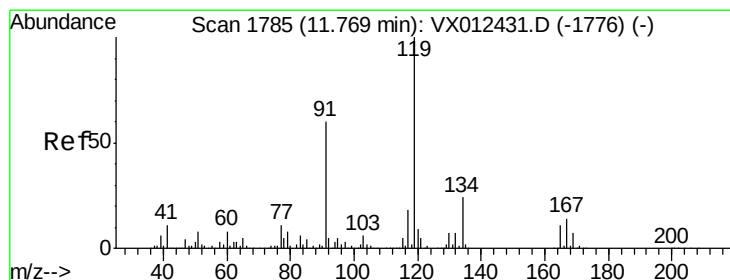
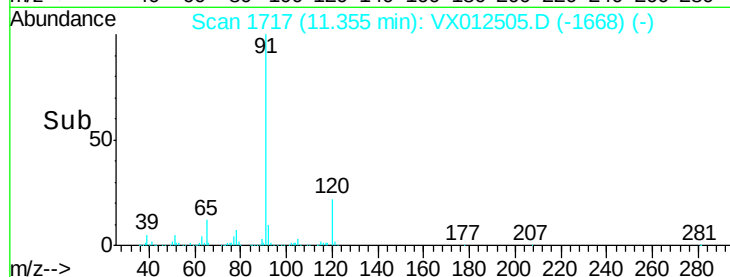
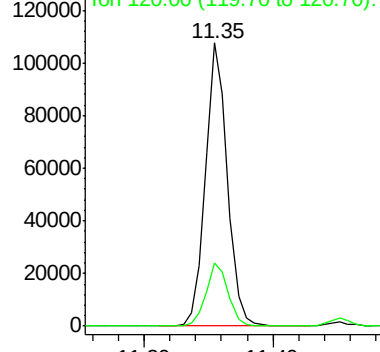
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Abundance Ion 91.00 (90.70 to 91.70): VX012431.D (-1712) (-)



#83

tert-Butylbenzene

Concen: 0.637 ug/l

RT: 11.77 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VX012505.D

Acq: 19 Sep 2019 04:14

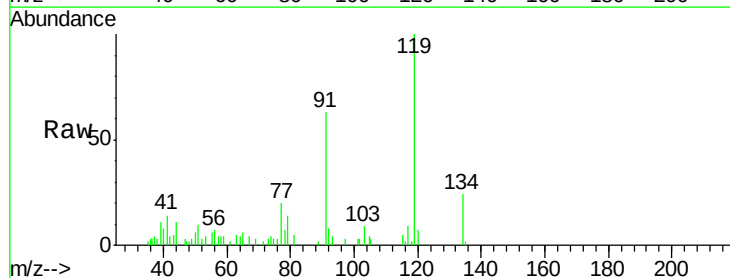
Tgt Ion: 119 Resp: 3815

Ion Ratio Lower Upper

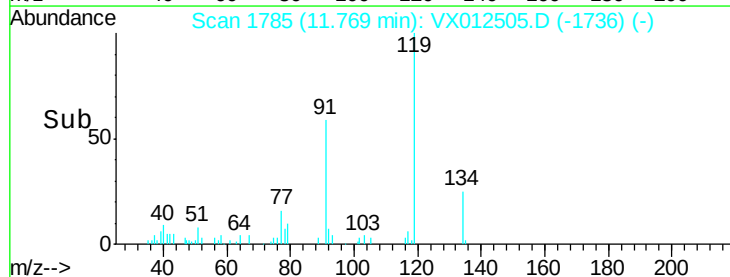
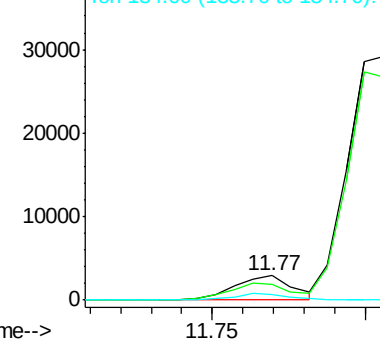
119 100

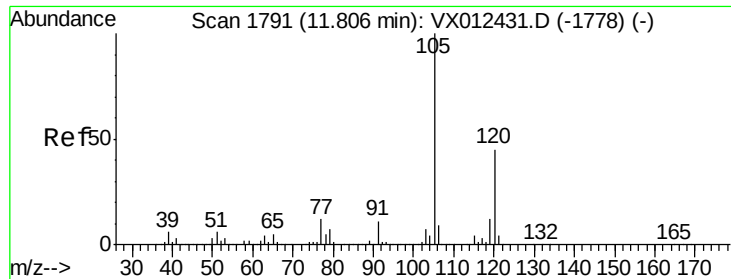
91 71.0 30.0 90.0

134 26.8 11.3 33.9



Abundance Ion 119.00 (118.70 to 119.70): VX012431.D (-1776) (-)





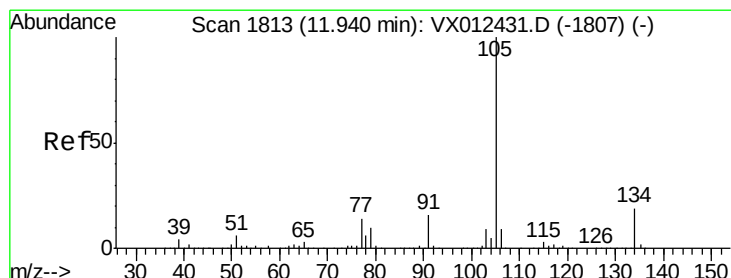
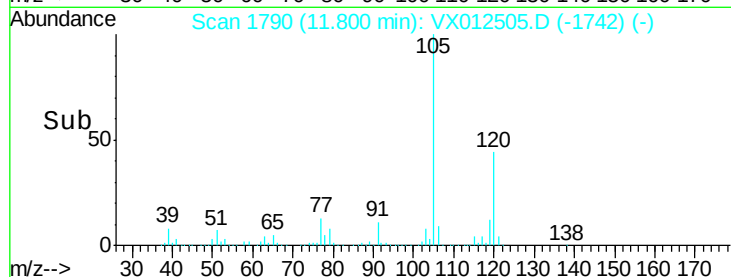
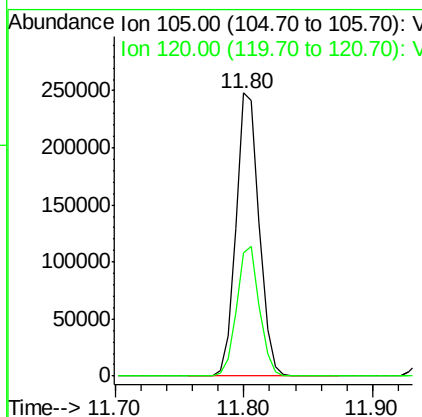
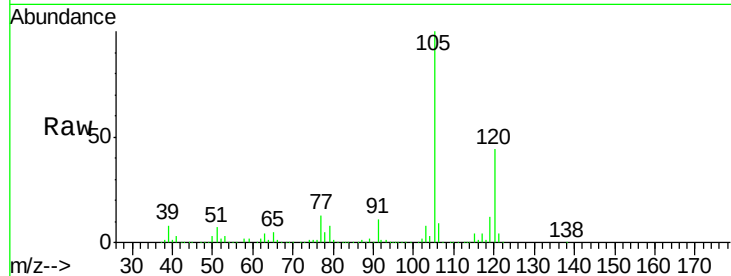
#84
 1,2,4-Trimethylbenzene
 Concen: 53.848 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX012505.D
 Acq: 19 Sep 2019 04:14

Instrument :
 MSVOA_X
 ClientSampled :
 S13-0282DL

Tot Ion:105 Resp: 309257
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.2 66.6

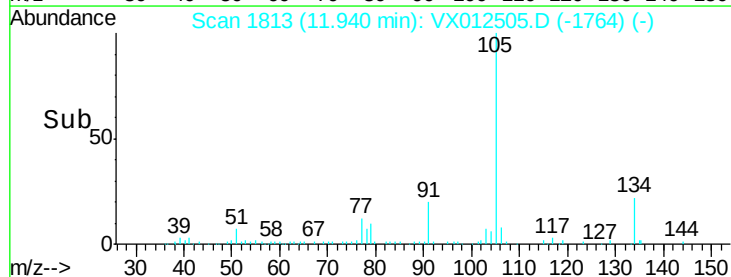
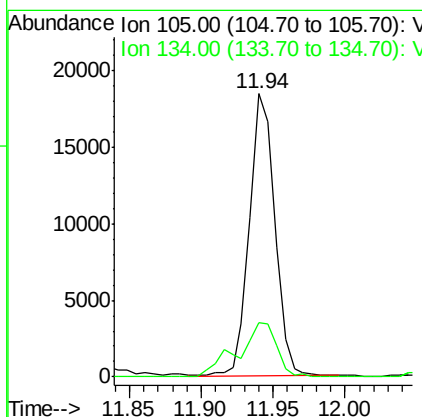
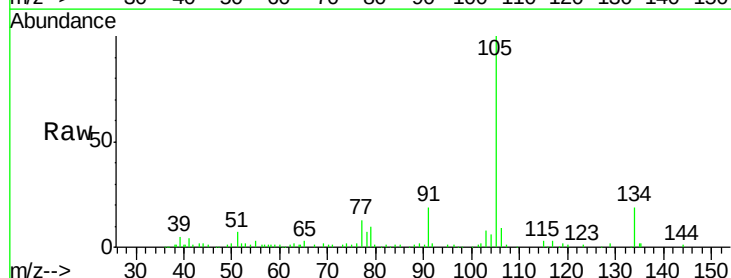
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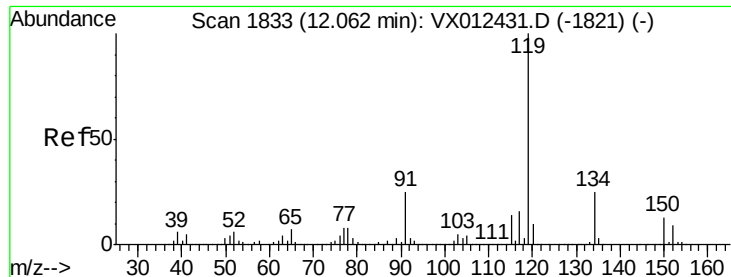
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#85
 sec-Butylbenzene
 Concen: 3.401 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX012505.D
 Acq: 19 Sep 2019 04:14

Tgt Ion:105 Resp: 22462
 Ion Ratio Lower Upper
 105 100
 134 29.5 9.8 29.4#





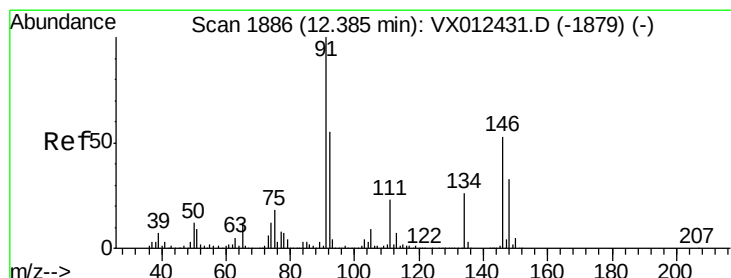
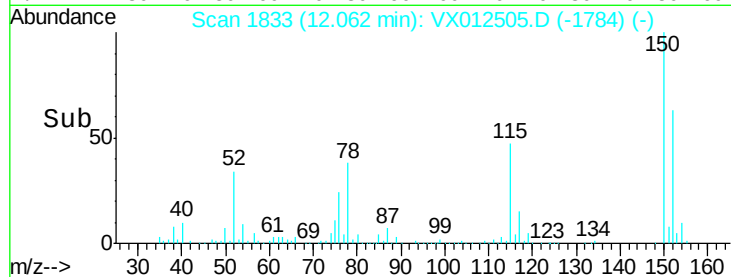
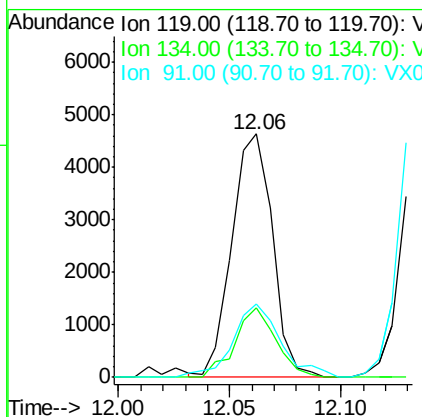
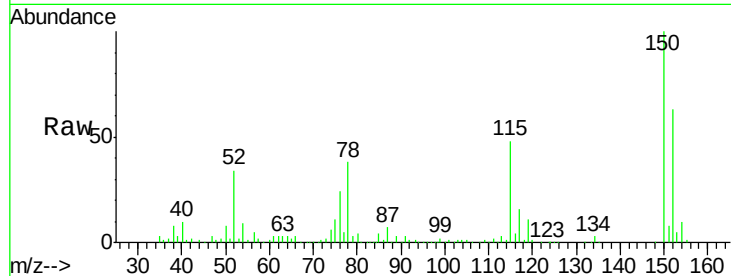
#86
 p-Isopropyltoluene
 Concen: 0.974 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX012505.D
 Acq: 19 Sep 2019 04:14

Instrument :
 MSVOA_X
 ClientSampled :
 S13-0282DL

Tot Ion	Ratio	Resp	Lower	Upper
119	100	5905		
134	28.7		12.7	38.1
91	35.0		12.8	38.4

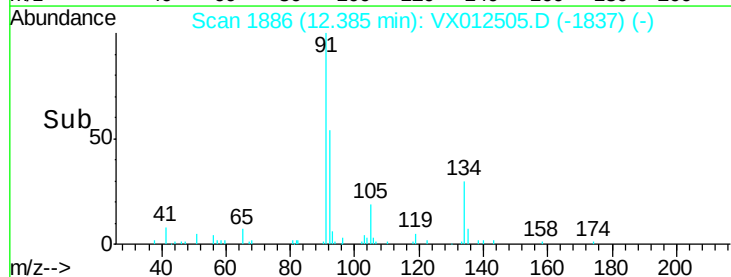
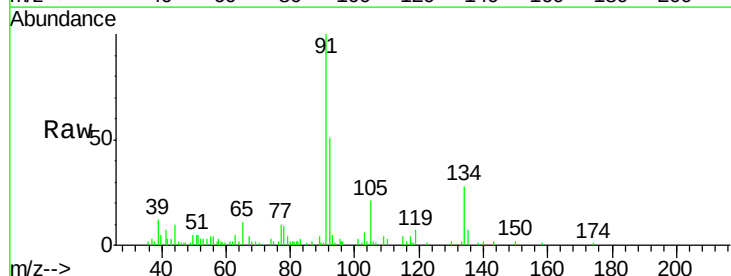
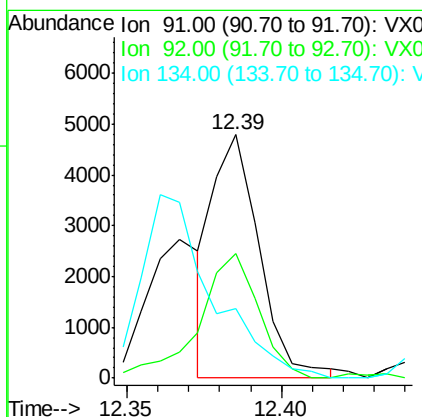
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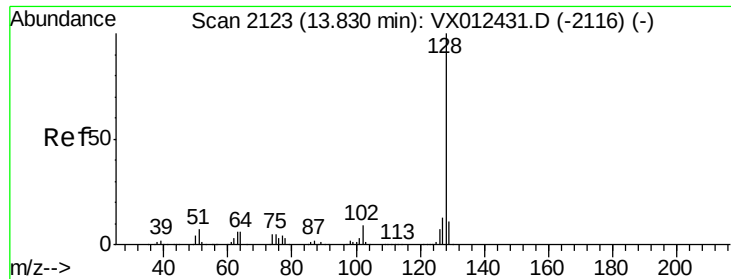
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#89
 n-Butylbenzene
 Concen: 0.919 ug/l m
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012505.D
 Acq: 19 Sep 2019 04:14

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	4972		
92	66.3		27.7	83.0
134	0.0		12.9	38.6#





#95
Naphthalene
Concen: 8.746 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012505.D
Acq: 19 Sep 2019 04:14

Instrument :
MSVOA_X
ClientSampleId :
S13-0282DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.2	15.4
129	13.0	8.8	13.2

Manual Integrations
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