

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092019\
 Data File : VX012588.D
 Acq On : 21 Sep 2019 04:02
 Operator : JC/SP
 Sample : K4978-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-0162

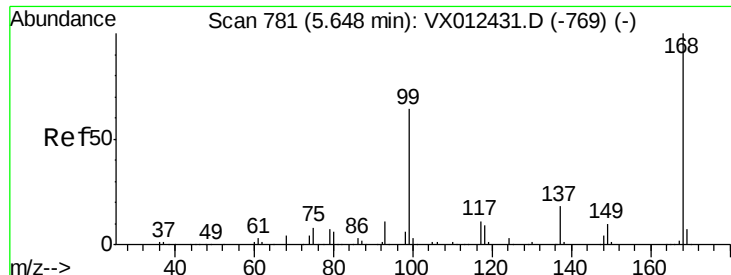
Manual Integrations
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 9/23/2019 11:29:06 AM

Quant Time: Sep 21 04:43:11 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	179005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	282939	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	248379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	111861	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	116860	45.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.10%	
35) Dibromofluoromethane	5.49	113	85478	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
50) Toluene-d8	8.71	98	330705	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	
62) 4-Bromofluorobenzene	11.14	95	122627	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	
Target Compounds						
					Qvalue	
27) cis-1,2-Dichloroethene	4.58	96	1651	0.946	ug/l	83
31) Cyclohexane	5.58	56	81473	45.980	ug/l	98
39) Methylcyclohexane	7.45	83	59039	35.318	ug/l #	79
40) Benzene	6.14	78	23292	4.260	ug/l	96
67) Ethyl Benzene	10.25	91	2861551	406.288	ug/l	98
68) m/p-Xylenes	10.35	106	722727	282.023	ug/l	98
73) Isopropylbenzene	11.01	105	676445	96.379	ug/l	100
78) n-propylbenzene	11.35	91	543894	69.529	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	2817m	0.471	ug/l	
83) tert-Butylbenzene	11.76	119	13620	2.123	ug/l	86
84) 1,2,4-Trimethylbenzene	11.80	105	475721	77.403	ug/l	99
85) sec-Butylbenzene	11.94	105	132832	18.794	ug/l	85
86) p-Isopropyltoluene	12.06	119	62847	9.684	ug/l	99
89) n-Butylbenzene	12.39	91	10049m	1.735	ug/l	
91) 1,2-Dichlorobenzene	12.39	146	1176	0.349	ug/l #	71
95) Naphthalene	13.83	128	574794	74.522	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012588.D

Acq: 21 Sep 2019 04:02

Instrument :

MSVOA_X

ClientSampleId :

Z2-0162

Tot Ion:168 Resp: 179005

Ion Ratio Lower Upper

168 100

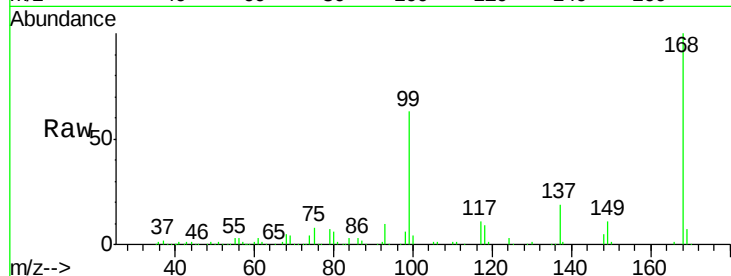
99 63.3 51.4 77.2

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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

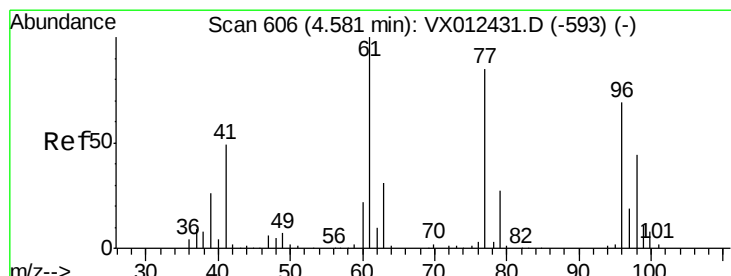
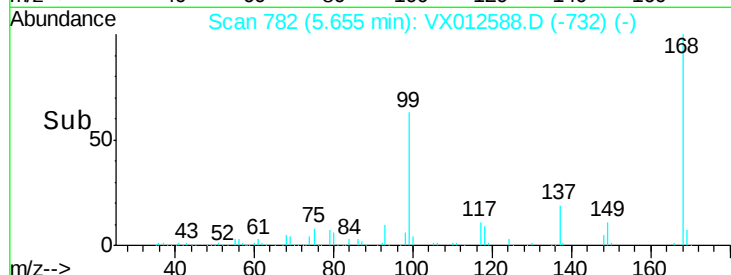
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#27

cis-1,2-Dichloroethene

Concen: 0.946 ug/l

RT: 4.58 min Scan# 606

Delta R.T. 0.00 min

Lab File: VX012588.D

Acq: 21 Sep 2019 04:02

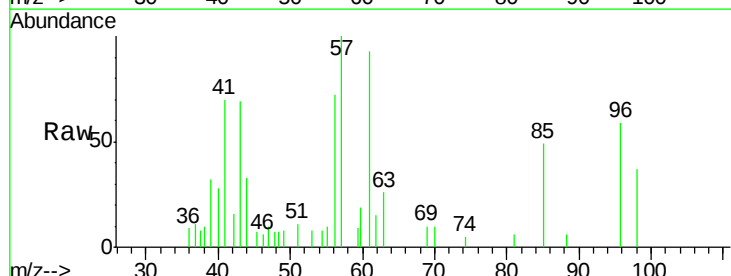
Tgt Ion: 96 Resp: 1651

Ion Ratio Lower Upper

96 100

61 181.8 0.0 319.4

98 80.3 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

1200

1000

800

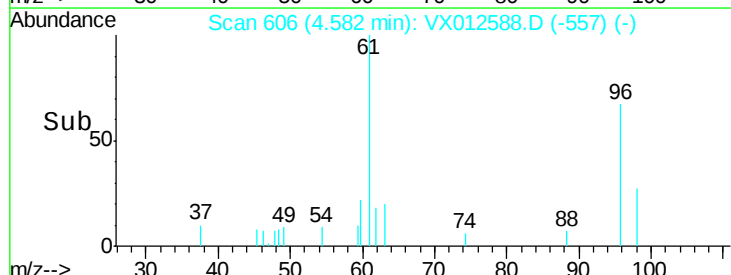
600

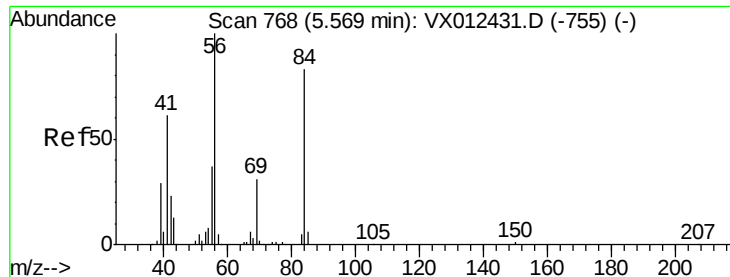
400

200

0

Time--> 4.50 4.55 4.60 4.65





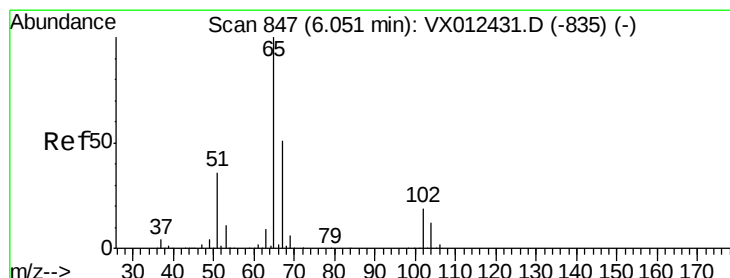
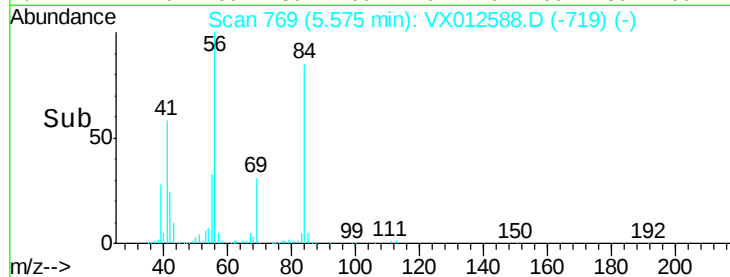
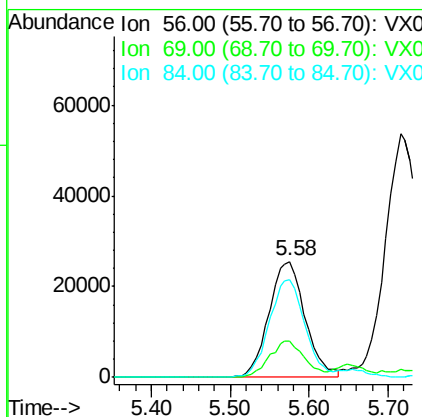
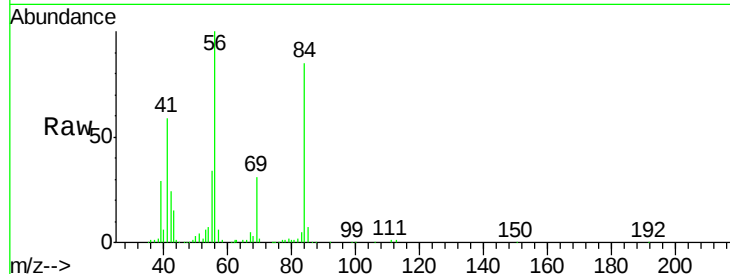
#31
Cyclohexane
Concen: 45.980 ug/l
RT: 5.58 min Scan# 769
Delta R.T. 0.01 min
Lab File: VX012588.D
Acq: 21 Sep 2019 04:02

Instrument :
MSVOA_X
ClientSampled :
Z2-0162

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	25.0	37.6
84	84.6	66.4	99.6

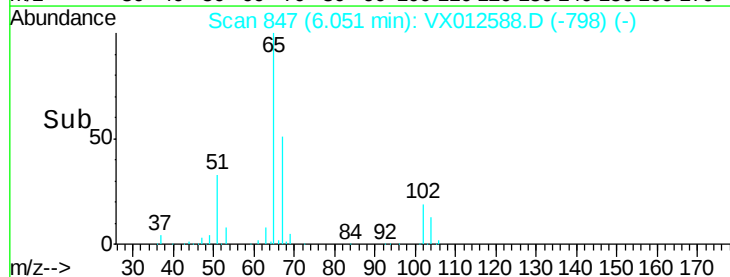
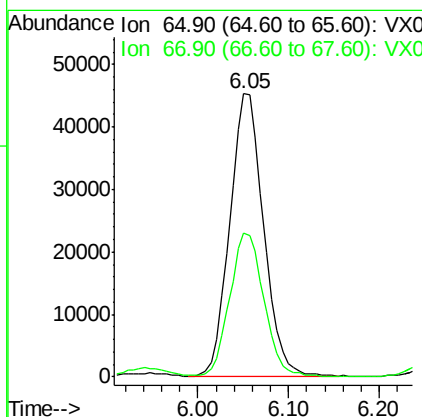
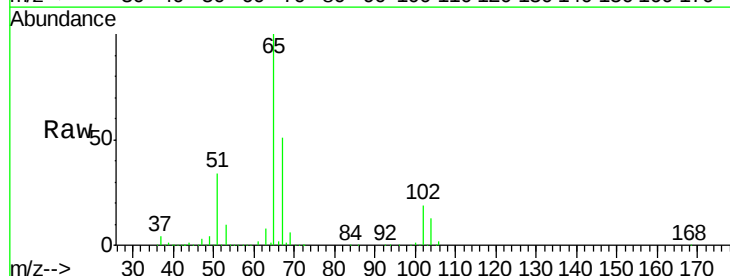
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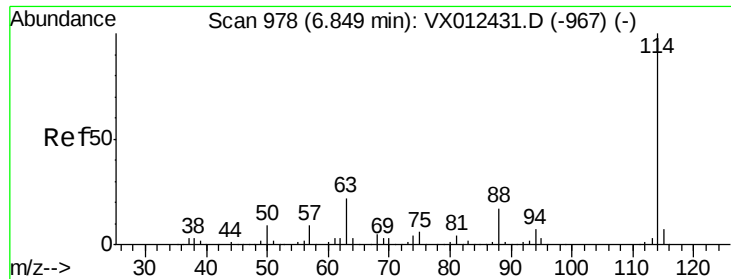
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#33
1,2-Dichloroethane-d4
Concen: 45.551 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX012588.D
Acq: 21 Sep 2019 04:02

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	101.2





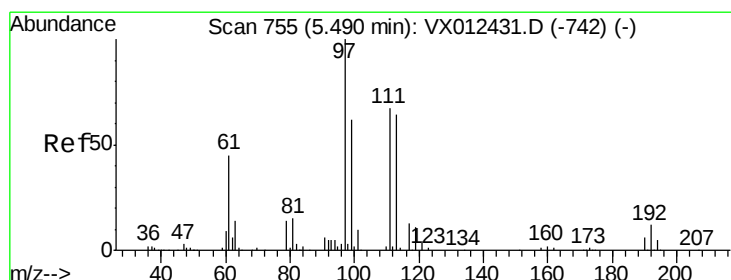
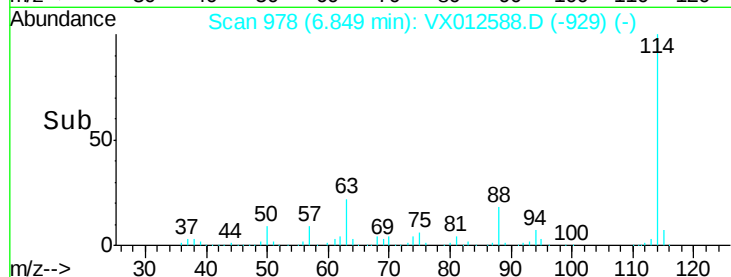
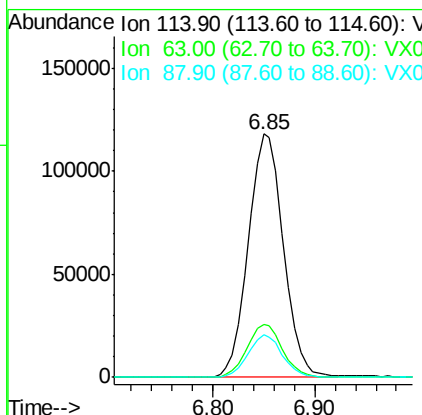
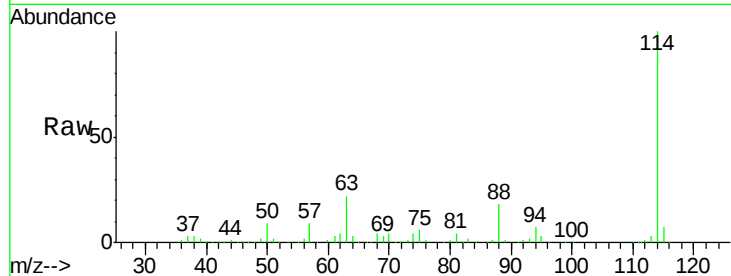
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012588.D
 Acq: 21 Sep 2019 04:02

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-0162

Tot Ion	Ratio	Resp	Lower	Upper
114	100	282939		
63	21.5		0.0	43.2
88	17.6		0.0	33.2

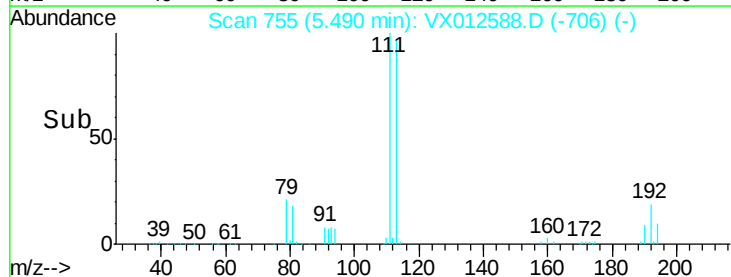
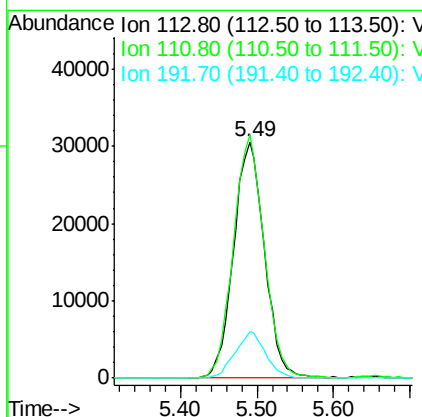
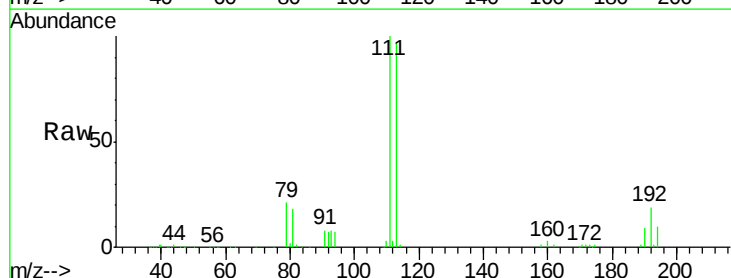
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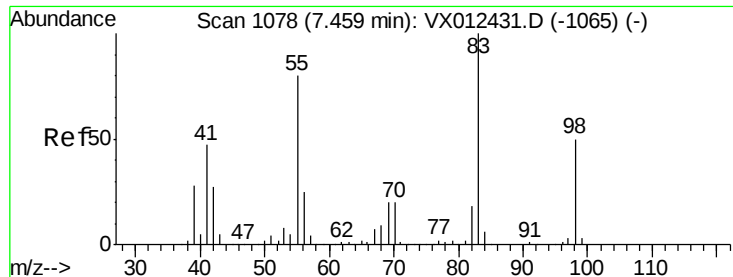
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#35
 Dibromofluoromethane
 Concen: 49.914 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012588.D
 Acq: 21 Sep 2019 04:02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	85478		
111	103.2		83.4	125.2
192	19.4		14.4	21.6





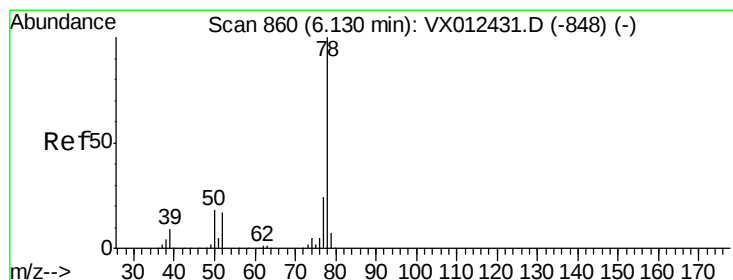
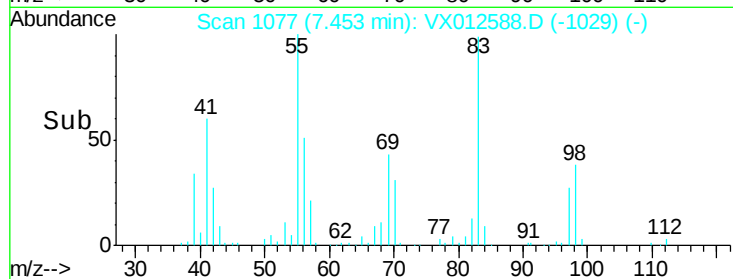
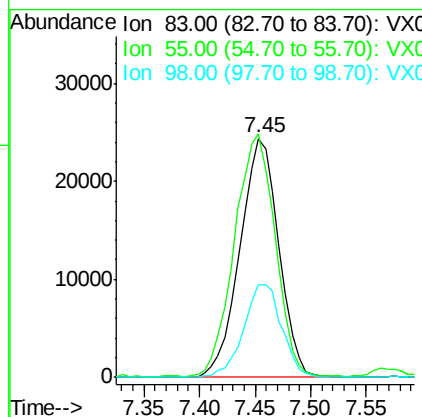
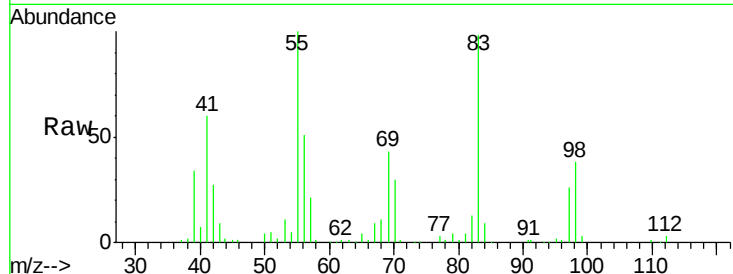
#39
Methvlcvclohexane
Concen: 35.318 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX012588.D
Acq: 21 Sep 2019 04:02

Instrument :
MSVOA_X
ClientSampleId :
Z2-0162

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	101.1	64.4	96.6#	
98	38.8	40.1	60.1#	

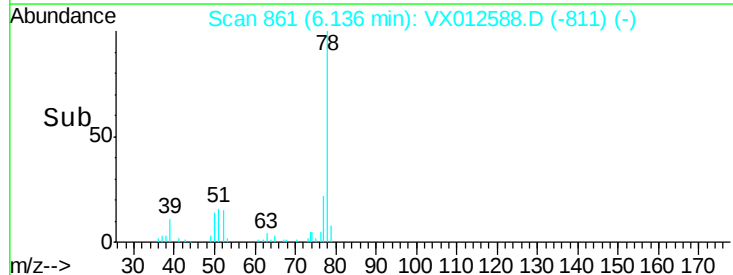
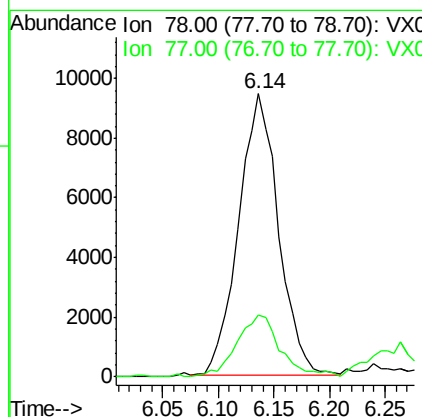
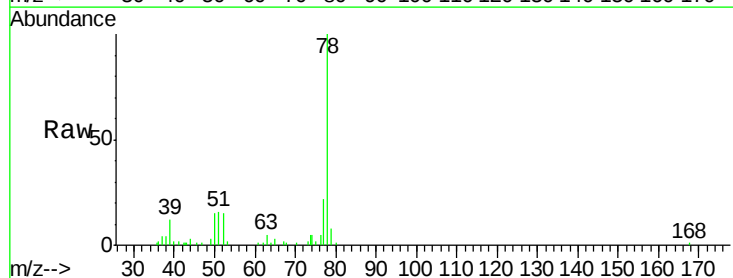
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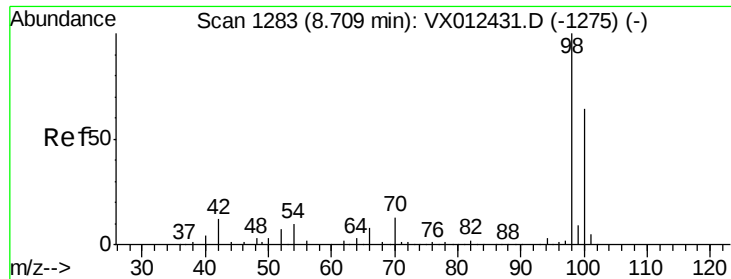
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#40
Benzene
Concen: 4.260 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012588.D
Acq: 21 Sep 2019 04:02

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	21.9	19.2	28.8	





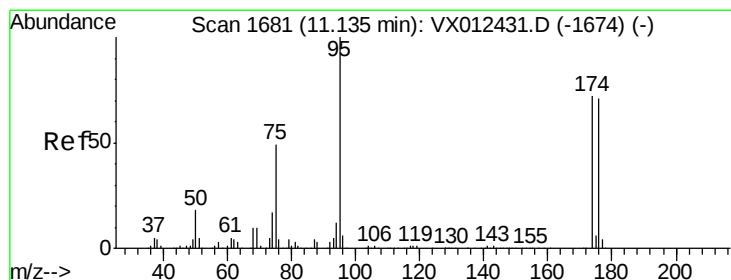
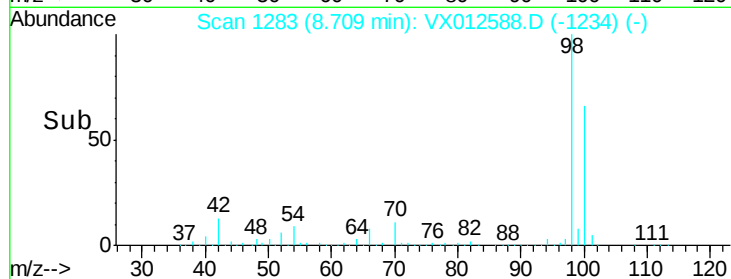
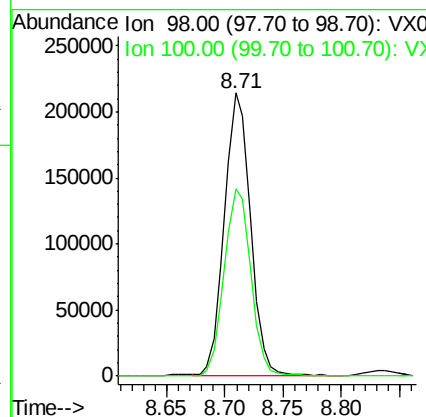
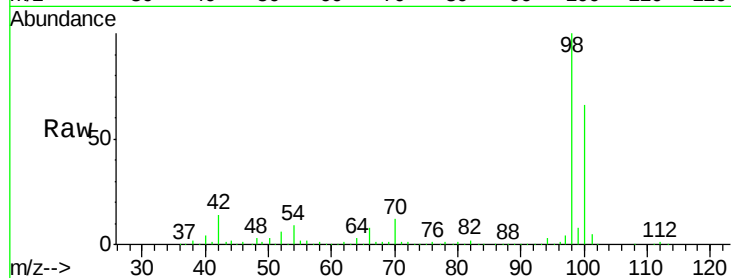
#50
Toluene-d8
Concen: 52.172 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012588.D
Acq: 21 Sep 2019 04:02

Instrument :
MSVOA_X
ClientSampleId :
Z2-0162

Tot Ion: 98 Resp: 330705
Ion Ratio Lower Upper
98 100
100 68.0 53.4 80.2

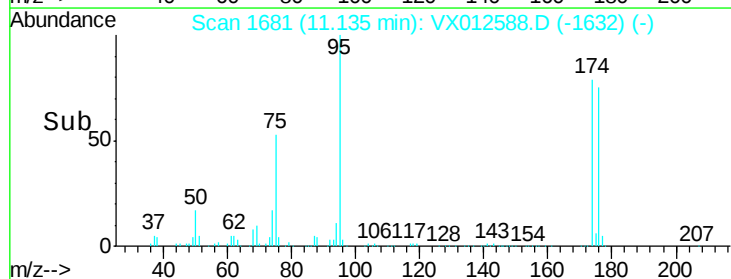
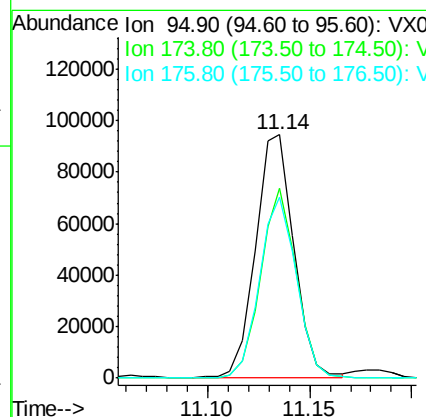
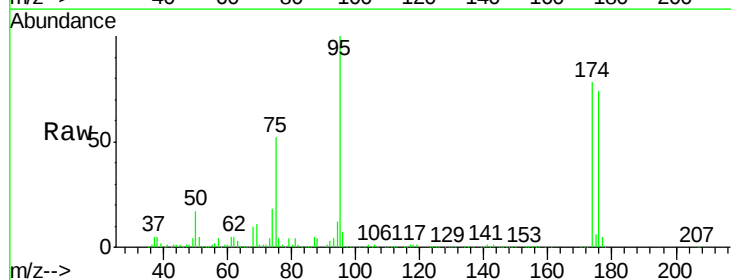
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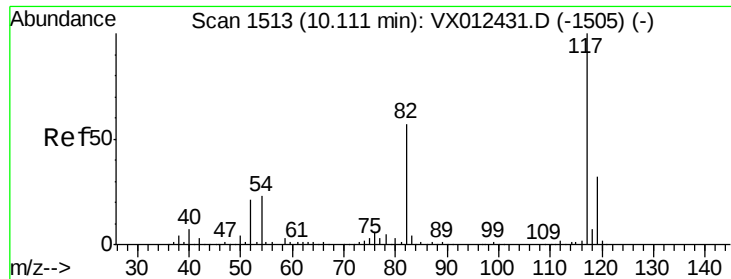
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#62
4-Bromofluorobenzene
Concen: 46.592 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012588.D
Acq: 21 Sep 2019 04:02

Tgt Ion: 95 Resp: 122627
Ion Ratio Lower Upper
95 100
174 73.3 0.0 140.0
176 72.3 0.0 135.4





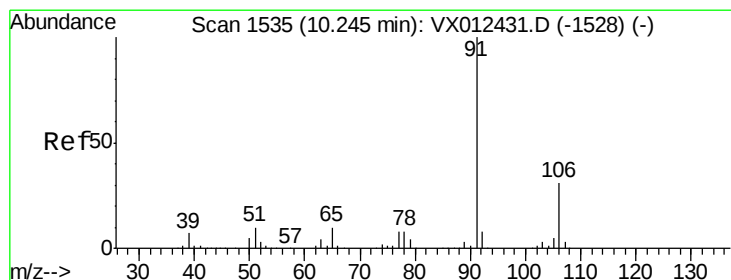
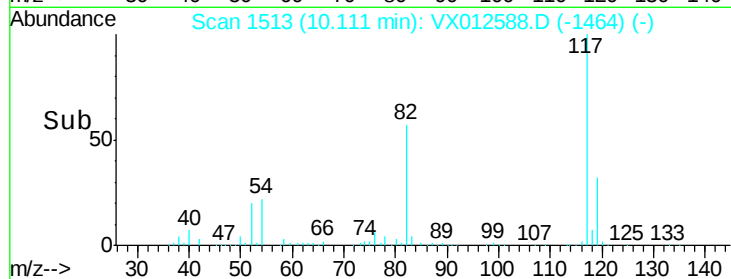
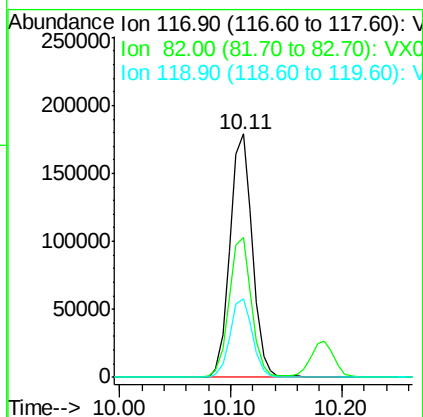
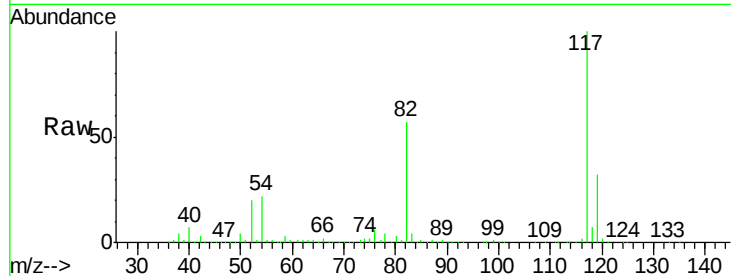
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012588.D
Acq: 21 Sep 2019 04:02

Instrument :
MSVOA_X
ClientSampled :
Z2-0162

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	45.9	68.9
119	32.2	25.3	37.9

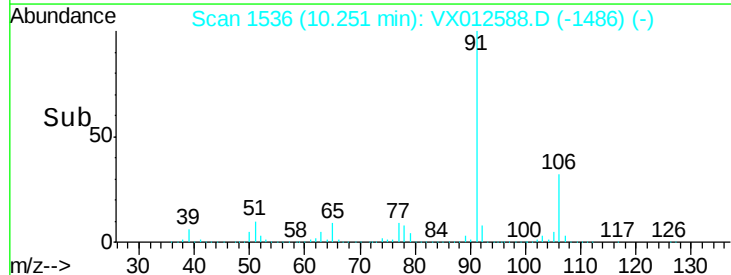
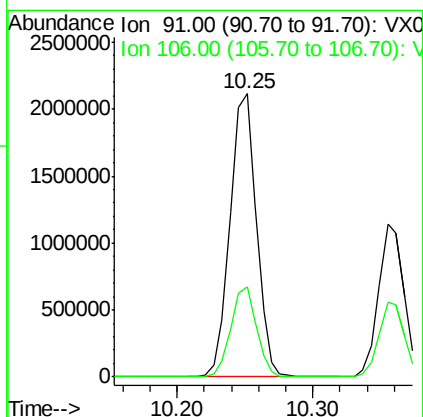
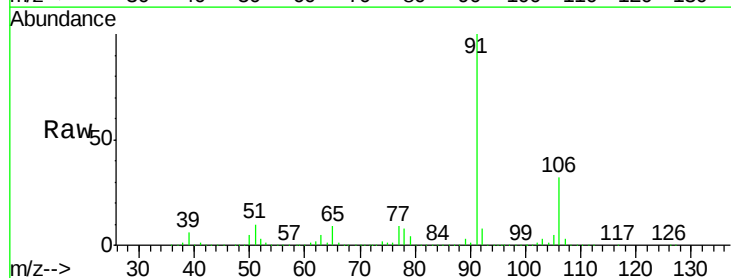
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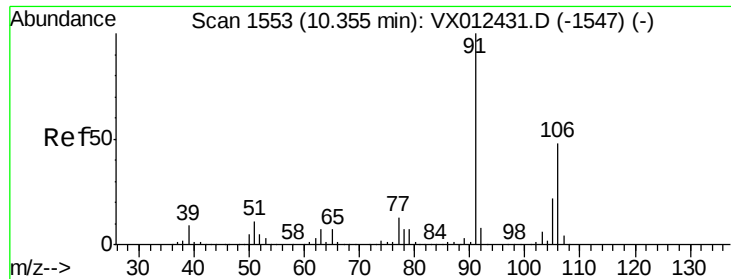
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#67
Ethyl Benzene
Concen: 406.288 ug/l
RT: 10.25 min Scan# 1536
Delta R.T. 0.01 min
Lab File: VX012588.D
Acq: 21 Sep 2019 04:02

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.7	24.6	37.0





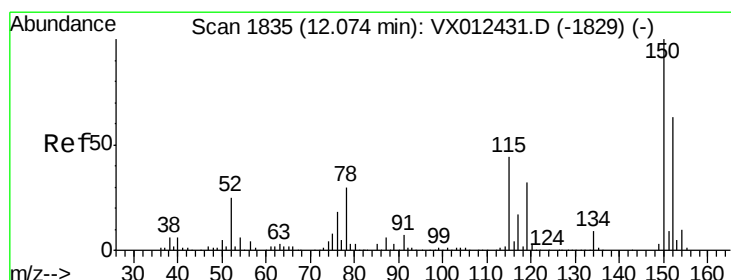
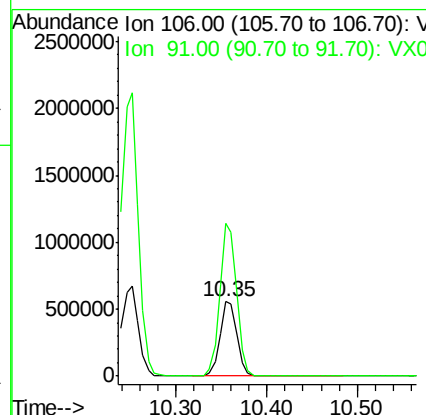
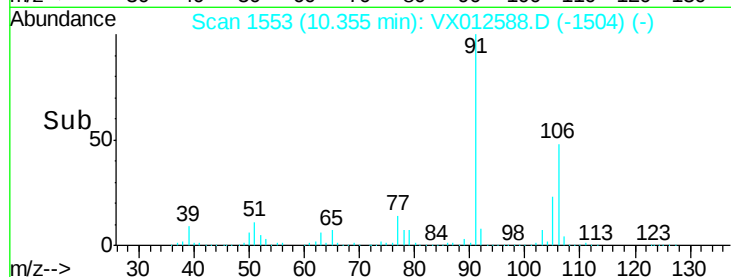
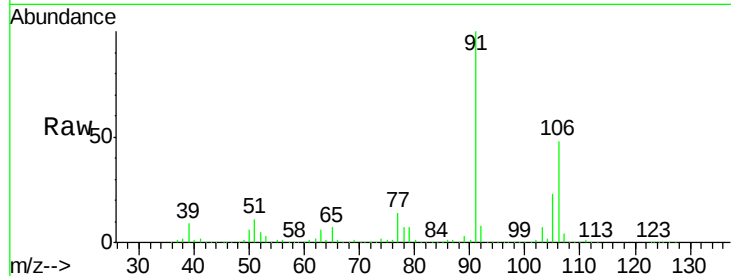
#68
m/p-Xvlenes
Concen: 282.023 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012588.D
Acq: 21 Sep 2019 04:02

Instrument :
MSVOA_X
ClientSampled :
Z2-0162

Tot Ion:106 Resp: 722727
Ion Ratio Lower Upper
106 100
91 205.1 166.6 250.0

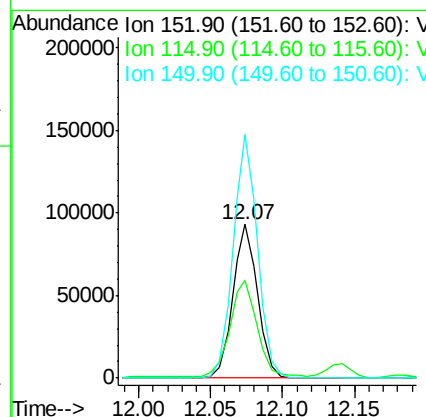
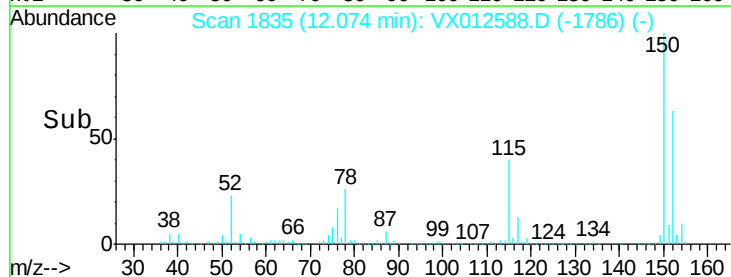
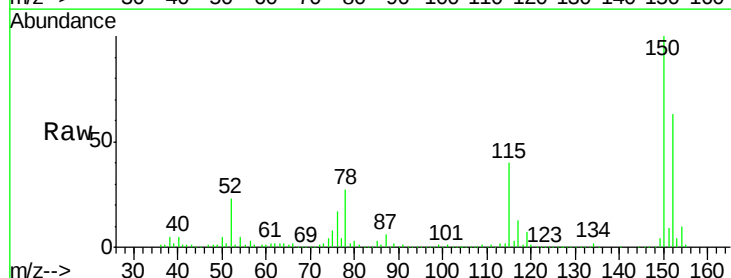
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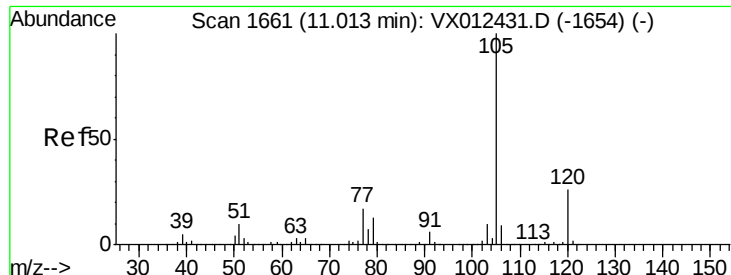
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9/23/2019 11:29:06 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012588.D
Acq: 21 Sep 2019 04:02

Tgt Ion:152 Resp: 111861
Ion Ratio Lower Upper
152 100
115 68.7 44.1 132.3
150 156.3 0.0 343.8





#73

Isopropylbenzene

Concen: 96.379 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012588.D

Acq: 21 Sep 2019 04:02

Instrument :

MSVOA_X

ClientSampleId :

Z2-0162

Tot Ion: 105 Resp: 676445

Ion Ratio Lower Upper

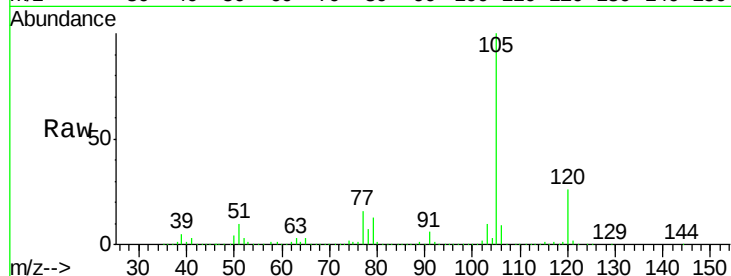
105 100

120 26.0 12.9 38.7

Manual Integrations
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9/23/2019 11:29:06 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

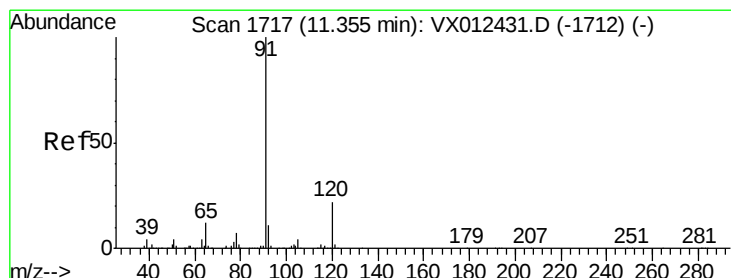
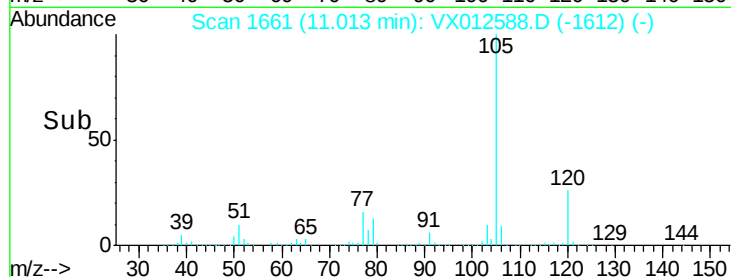
100000

0

11.01

11.10

Time-->



#78

n-propylbenzene

Concen: 69.529 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012588.D

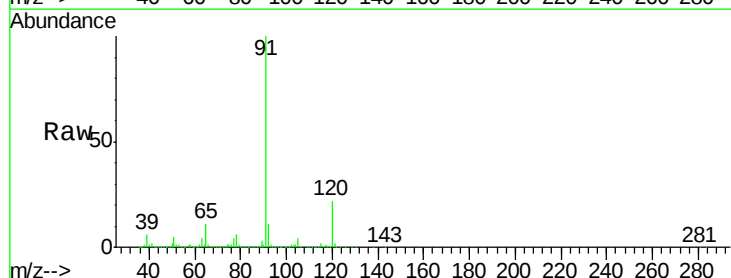
Acq: 21 Sep 2019 04:02

Tgt Ion: 91 Resp: 543894

Ion Ratio Lower Upper

91 100

120 22.9 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

200000

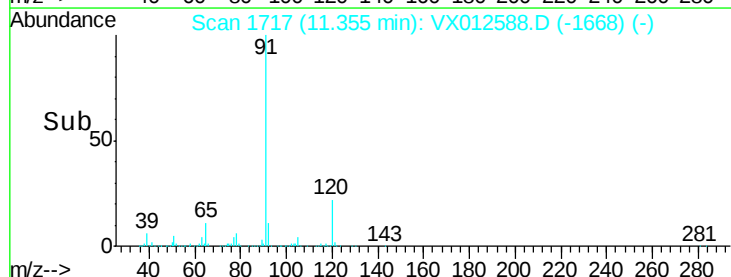
100000

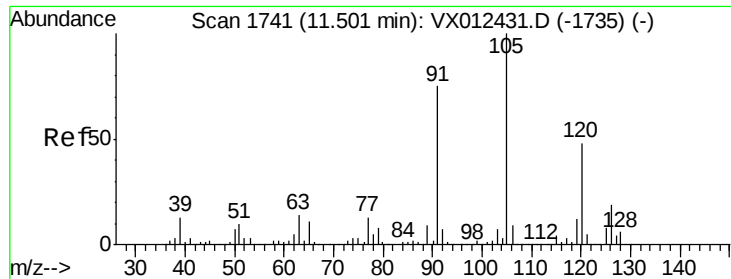
0

11.35

11.40

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 0.471 ug/l m

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX012588.D

Acq: 21 Sep 2019 04:02

Instrument :

MSVOA_X

ClientSampled :

Z2-0162

Tot Ion:105 Resp: 2817

Ion Ratio Lower Upper

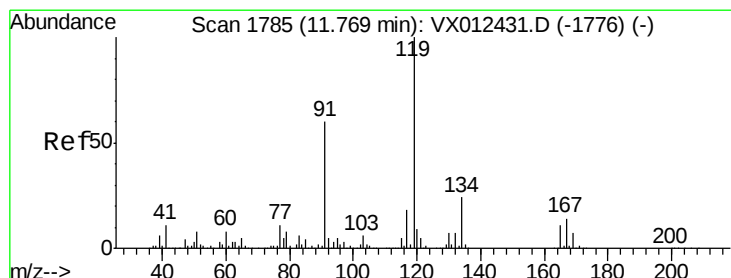
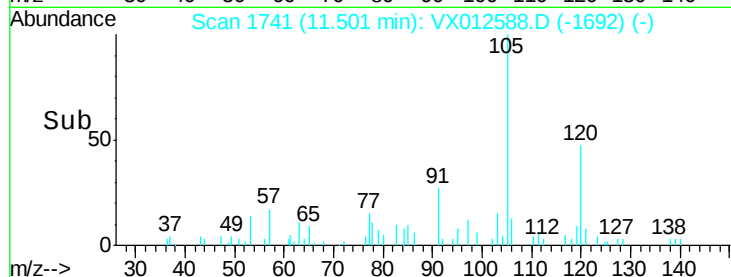
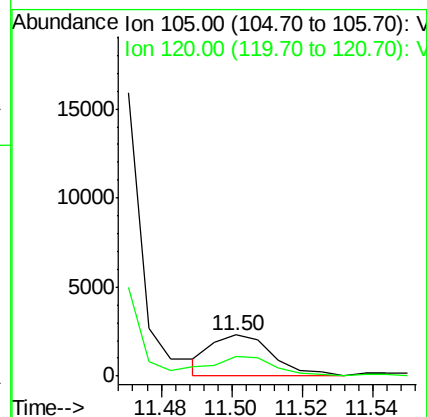
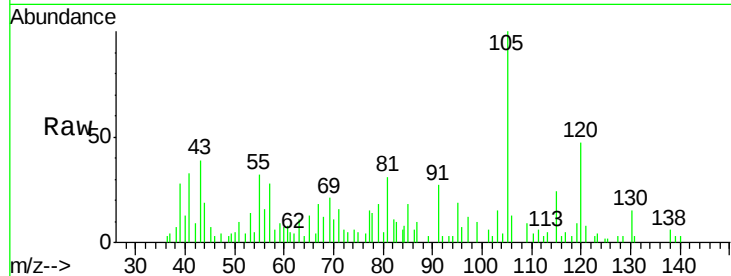
105 100

120 4919.4 24.3 72.8

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#83

tert-Butylbenzene

Concen: 2.123 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX012588.D

Acq: 21 Sep 2019 04:02

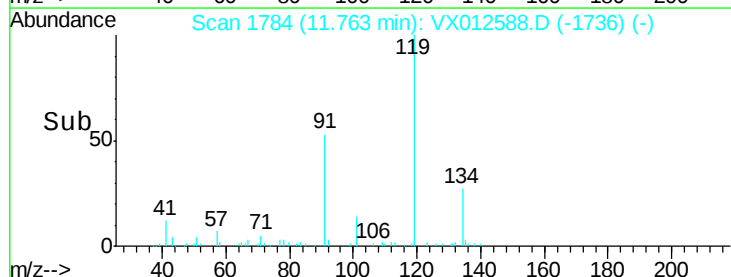
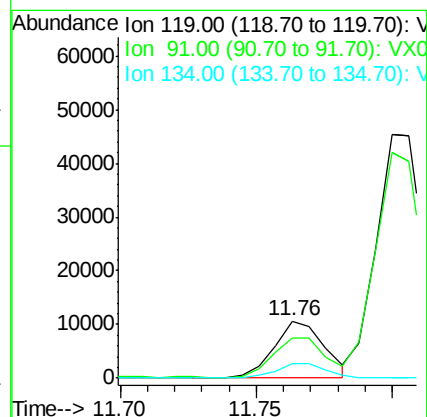
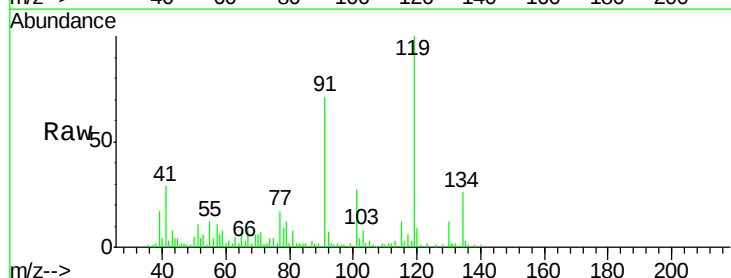
Tgt Ion:119 Resp: 13620

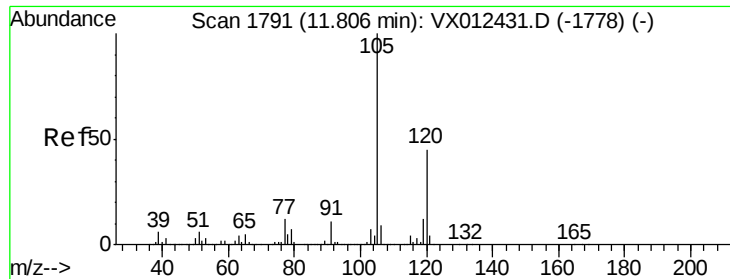
Ion Ratio Lower Upper

119 100

91 72.8 30.0 90.0

134 25.5 11.3 33.9





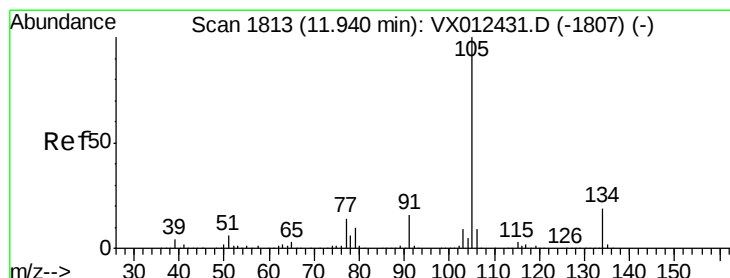
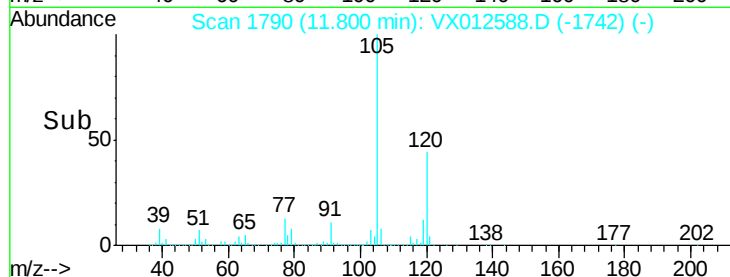
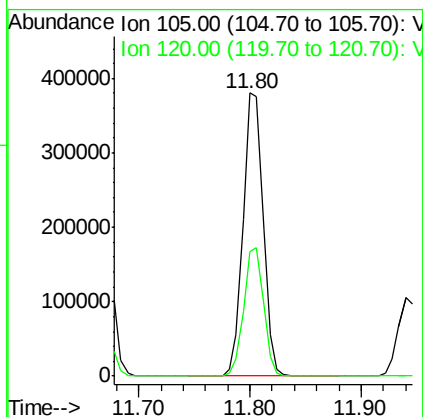
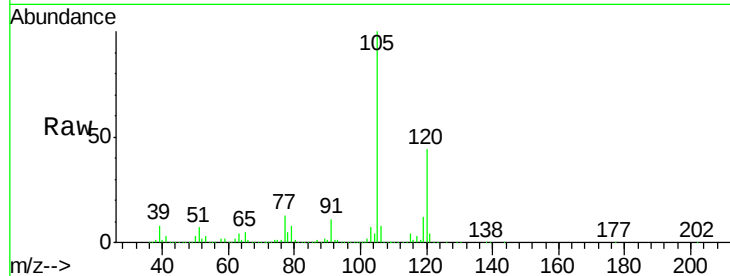
#84
1,2,4-Trimethylbenzene
Concen: 77.403 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX012588.D
Acq: 21 Sep 2019 04:02

Instrument :
MSVOA_X
ClientSampled :
Z2-0162

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.2	66.6

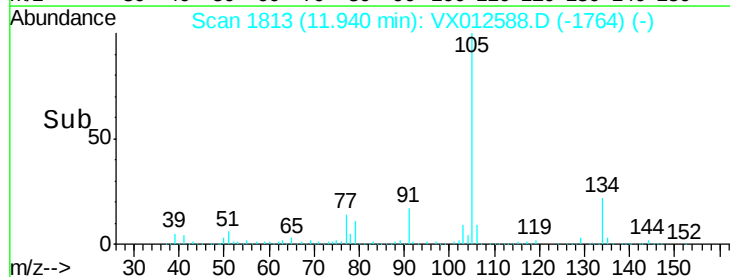
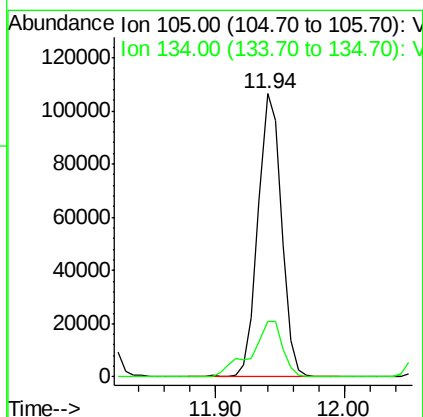
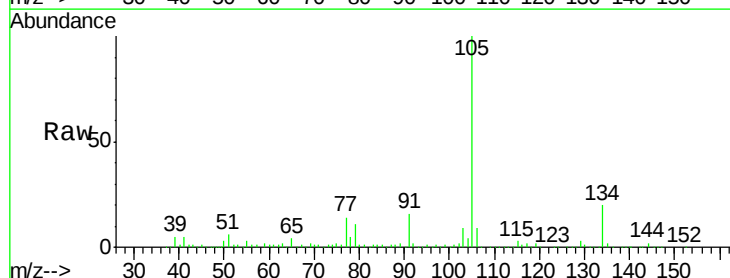
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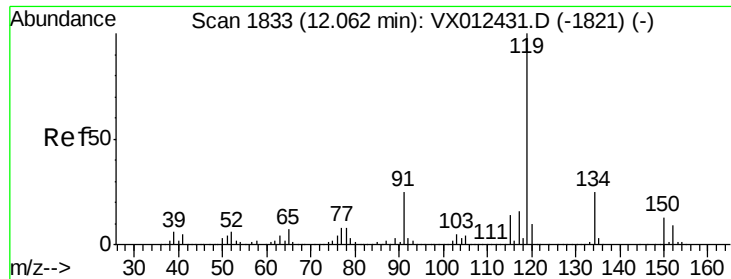
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#85
sec-Butylbenzene
Concen: 18.794 ug/l
RT: 11.94 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VX012588.D
Acq: 21 Sep 2019 04:02

Tgt Ion	Ratio	Lower	Upper
105	100		
134	26.6	9.8	29.4





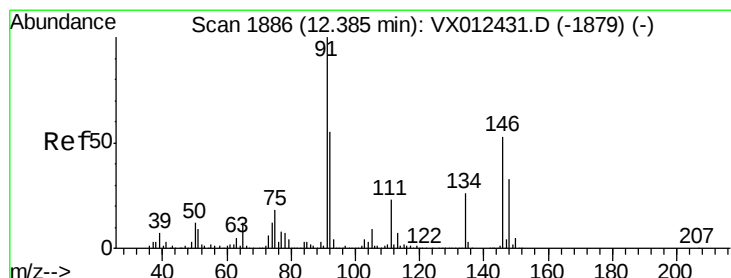
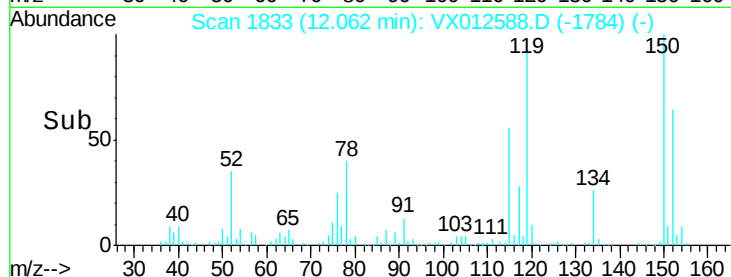
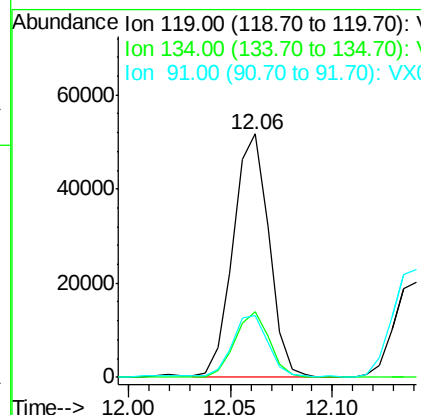
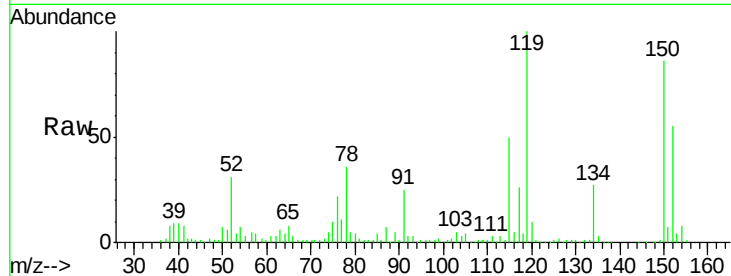
#86
 p-Isopropyltoluene
 Concen: 9.684 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX012588.D
 Acq: 21 Sep 2019 04:02

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-0162

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.7	38.1
91	25.3	12.8	38.4

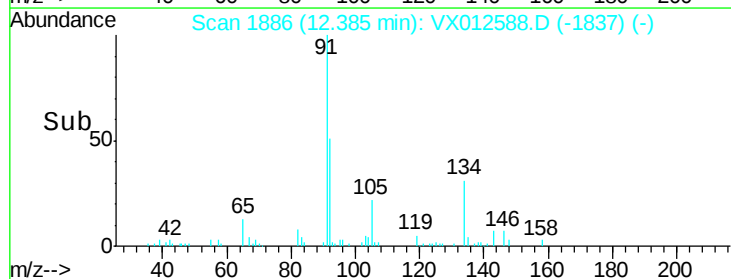
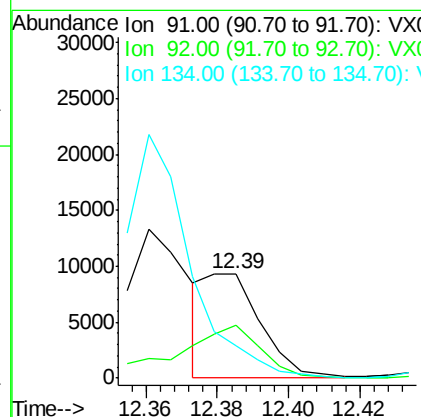
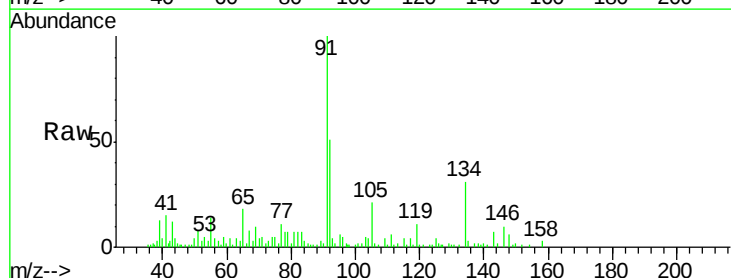
Manual Integrations
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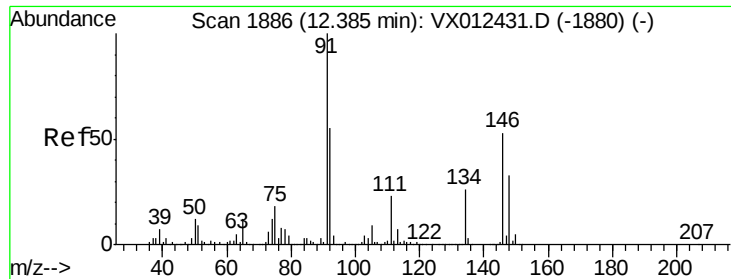
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#89
 n-Butylbenzene
 Concen: 1.735 ug/l m
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012588.D
 Acq: 21 Sep 2019 04:02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	27.7	83.0#
134	275.8	12.9	38.6#





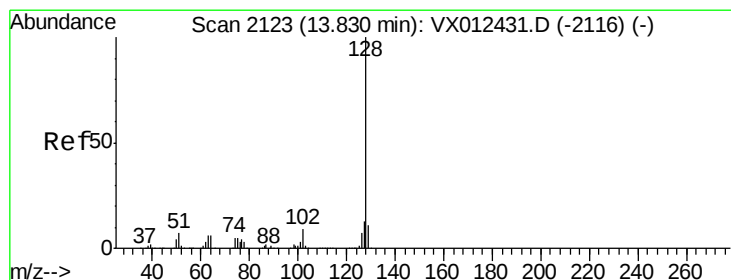
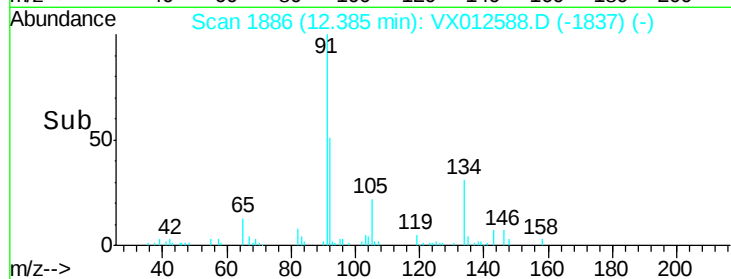
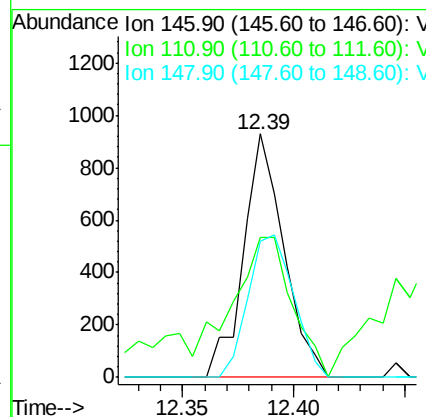
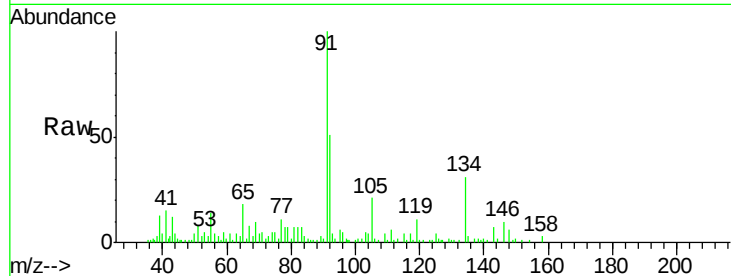
#91
 1,2-Dichlorobenzene
 Concen: 0.349 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012588.D
 Acq: 21 Sep 2019 04:02

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-0162

Tot Ion	Ratio	Lower	Upper
146	100		
111	85.9	22.1	66.1#
148	65.9	31.3	93.9

Manual Integrations
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#95
 Naphthalene
 Concen: 74.522 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX012588.D
 Acq: 21 Sep 2019 04:02

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.2	8.8	13.2

