

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112919\
 Data File : VX013703.D
 Acq On : 29 Nov 2019 16:00
 Operator : JC/SP
 Sample : K5965-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S39-0189

Manual Integrations
 APPROVED

MMDadoda
 12/4/2019 11:02:39 AM

Quant Time: Nov 29 23:32:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	689627	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1057116	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	937228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	423941	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	380672	47.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.10%	
35) Dibromofluoromethane	5.49	113	312138	47.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.52%	
50) Toluene-d8	8.71	98	1261976	49.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.12%	
62) 4-Bromofluorobenzene	11.14	95	421123	45.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.74%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.03	59	3777	1.912	ug/l #	85
16) Acetone	2.44	43	10158	2.570	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	2569	0.359	ug/l #	78
27) cis-1,2-Dichloroethene	4.58	96	29634	3.609	ug/l	89
44) Trichloroethene	7.21	130	21421	2.671	ug/l	87
64) Tetrachloroethene	9.33	164	1636m	0.234	ug/l	
67) Ethyl Benzene	10.25	91	9162	0.274	ug/l #	81
68) m/p-Xylenes	10.35	106	6612	0.516	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	11047	0.447	ug/l	96
85) sec-Butylbenzene	11.94	105	40613	1.435	ug/l	99
95) Naphthalene	13.83	128	6777	0.236	ug/l	98

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

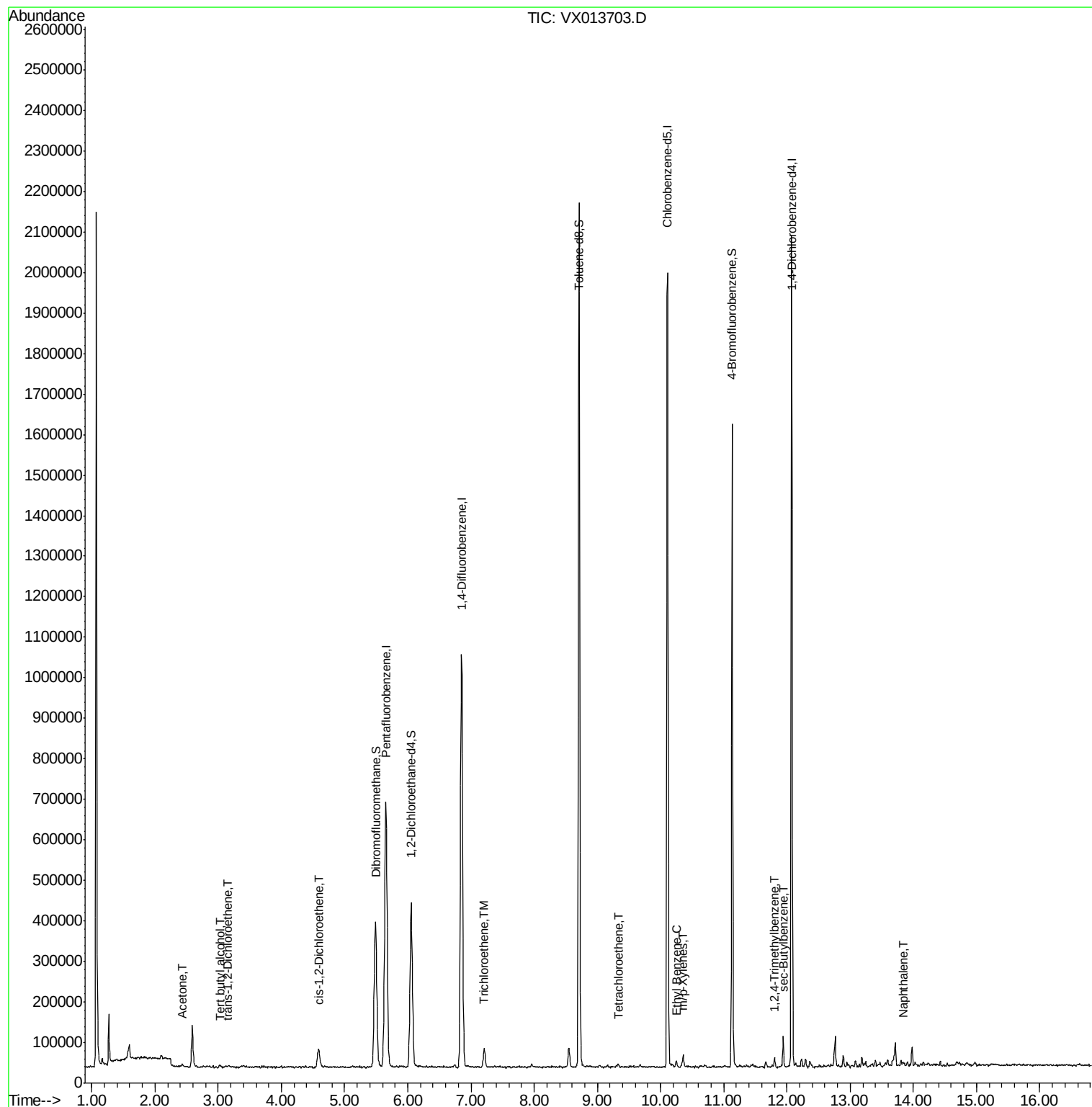
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112919\
Data File : VX013703.D
Acq On : 29 Nov 2019 16:00
Operator : JC/SP
Sample : K5965-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

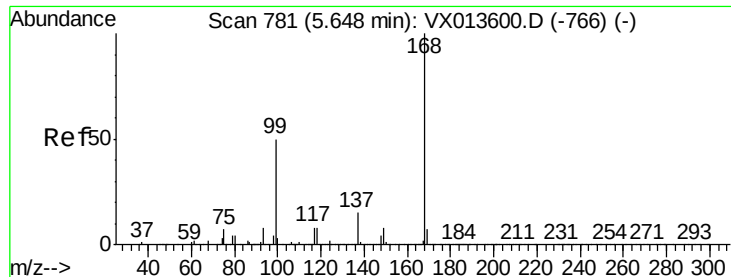
Instrument :
MSVOA_X
ClientSampleId :
S39-0189

Manual Integrations
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Quant Time: Nov 29 23:32:29 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 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: VX013703.D

Acq: 29 Nov 2019 16:00

Instrument :

MSVOA_X

ClientSampled :

S39-0189

Tot Ion:168 Resp: 689627

Ion Ratio Lower Upper

168 100

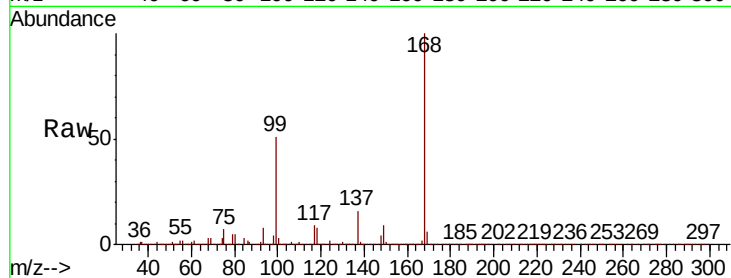
99 51.0 39.8 59.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

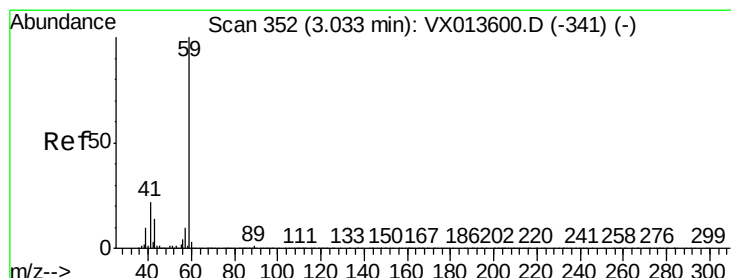
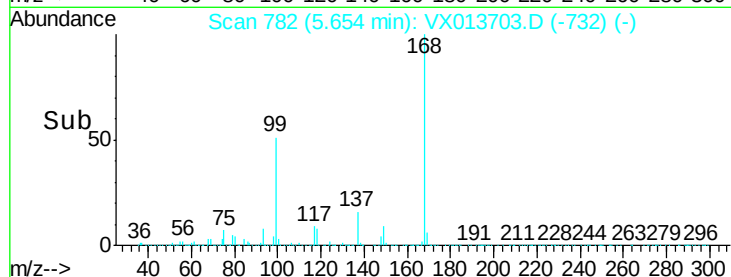
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#11

Tert butyl alcohol

Concen: 1.912 ug/l

RT: 3.03 min Scan# 352

Delta R.T. -0.00 min

Lab File: VX013703.D

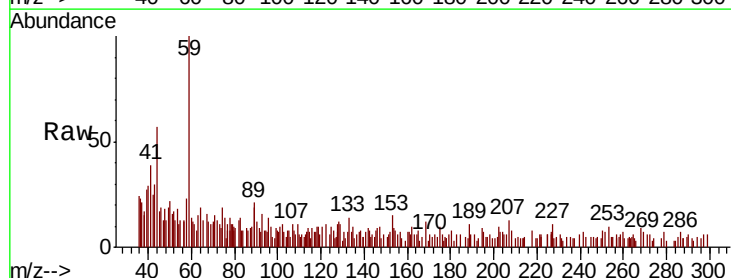
Acq: 29 Nov 2019 16:00

Tgt Ion: 59 Resp: 3777

Ion Ratio Lower Upper

59 100

57 15.2 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

2000

1500

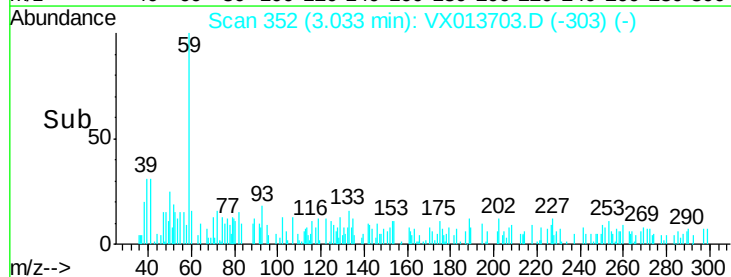
1000

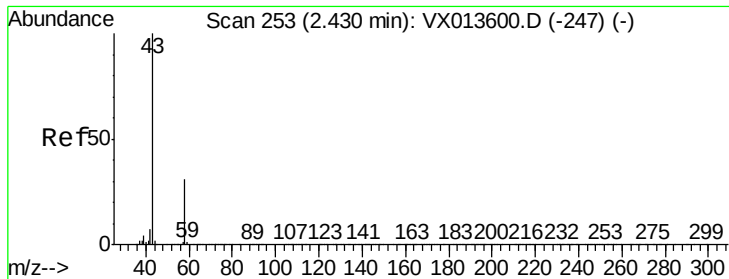
500

0

2.95 3.00 3.05

Time-->





#16

Acetone

Concen: 2.570 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013703.D

Acq: 29 Nov 2019 16:00

Instrument :

MSVOA_X

ClientSampled :

S39-0189

Tot Ion: 43 Resp: 10158

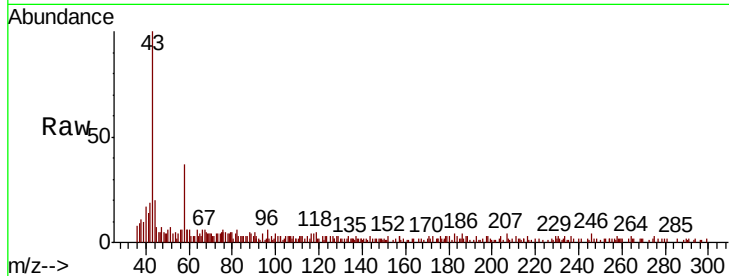
Ion Ratio Lower Upper

43 100

58 32.7 24.6 36.8

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

5000

4000

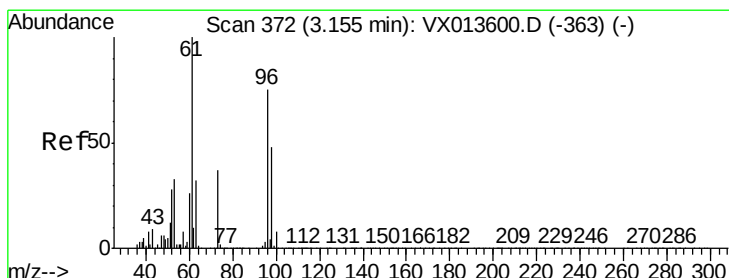
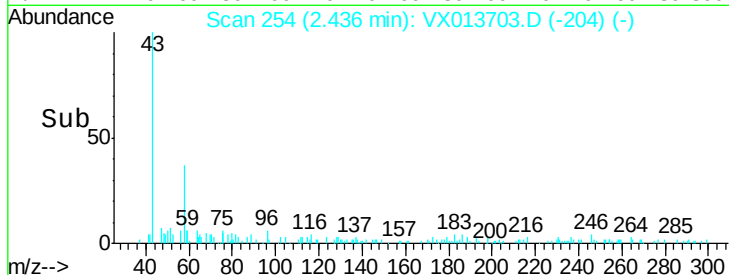
3000

2000

1000

0

Time-->



#21

trans-1,2-Dichloroethene

Concen: 0.359 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013703.D

Acq: 29 Nov 2019 16:00

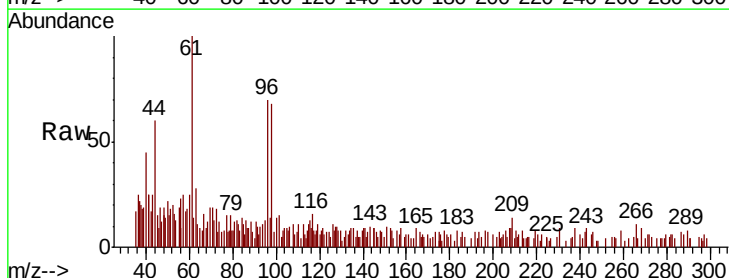
Tgt Ion: 96 Resp: 2569

Ion Ratio Lower Upper

96 100

61 147.6 107.2 160.8

98 98.4 51.4 77.0#



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

2000

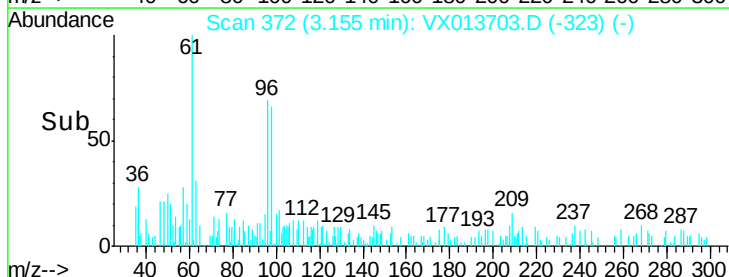
1500

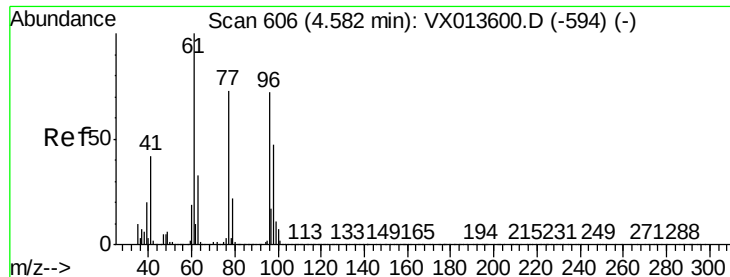
1000

500

0

Time-->





#27

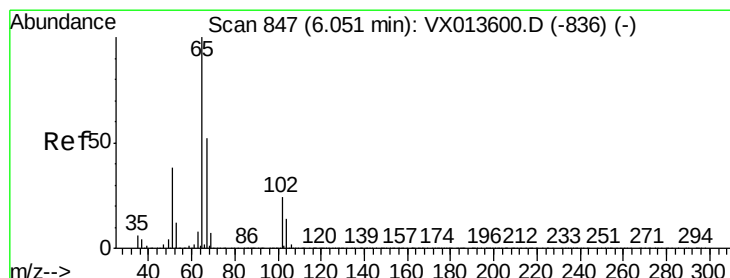
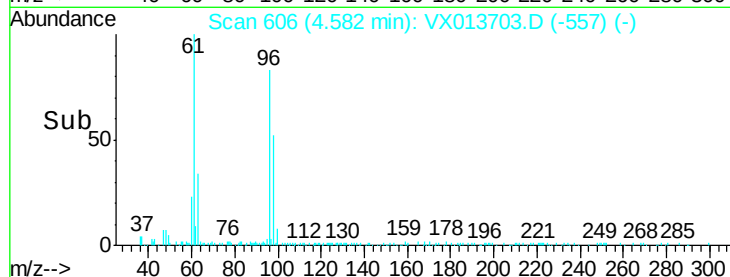
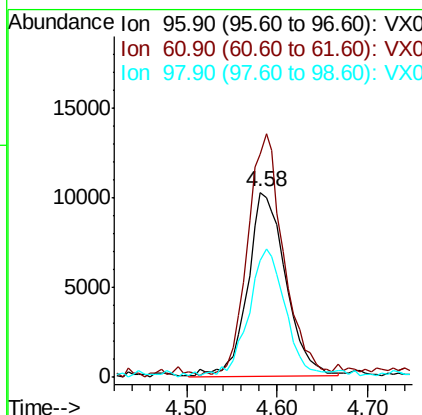
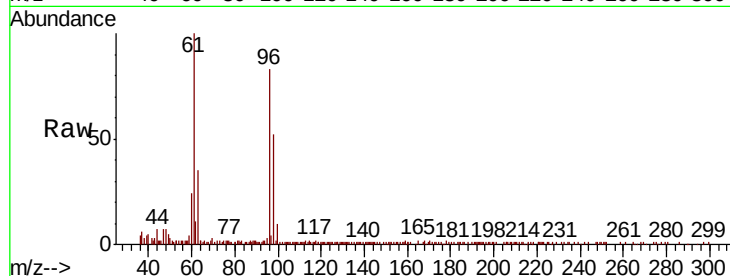
cis-1,2-Dichloroethene
Concen: 3.609 ug/l
RT: 4.58 min Scan# 606
Delta R.T. -0.00 min
Lab File: VX013703.D
Acq: 29 Nov 2019 16:00

Instrument :
MSVOA_X
ClientSampleId :
S39-0189

Tot Ion	Ratio	Resp	Lower	Upper
96	100	29634		
61	124.4		0.0	286.4
98	66.1		0.0	127.4

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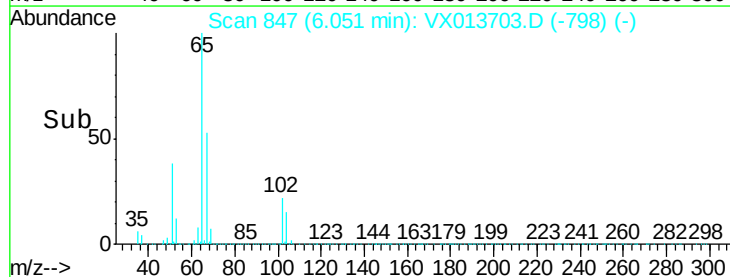
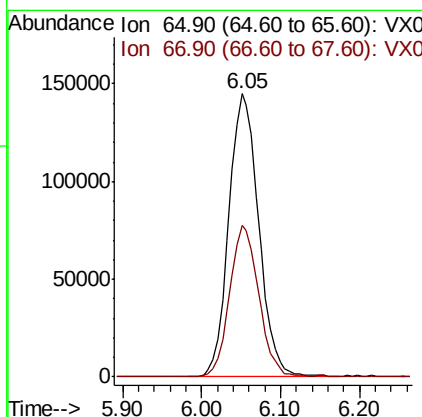
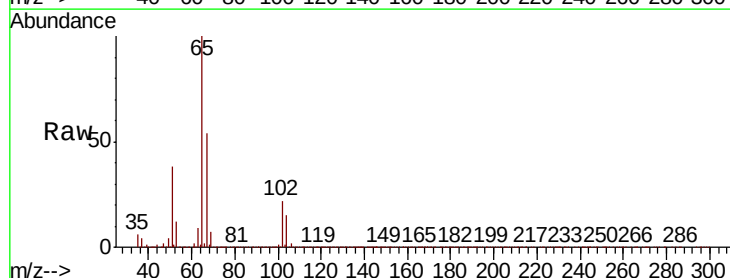
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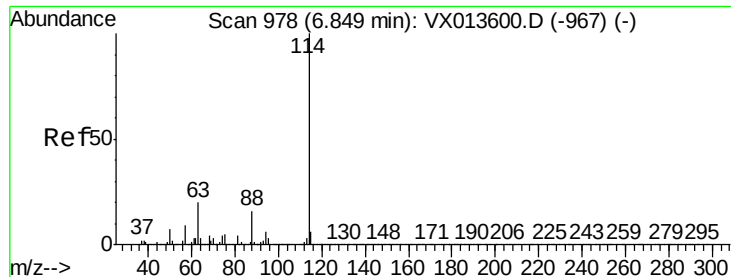


#33

1,2-Dichloroethane-d4
Concen: 47.554 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX013703.D
Acq: 29 Nov 2019 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	380672		
67	51.8		0.0	104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013703.D

Acq: 29 Nov 2019 16:00

Instrument :

MSVOA_X

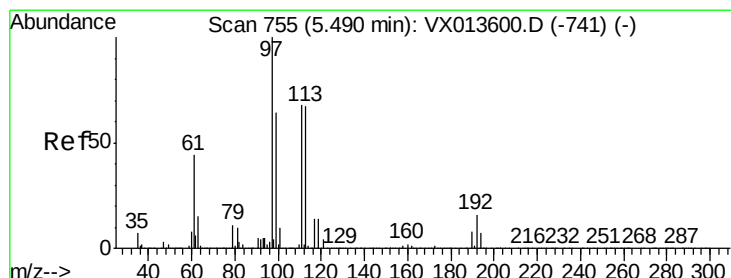
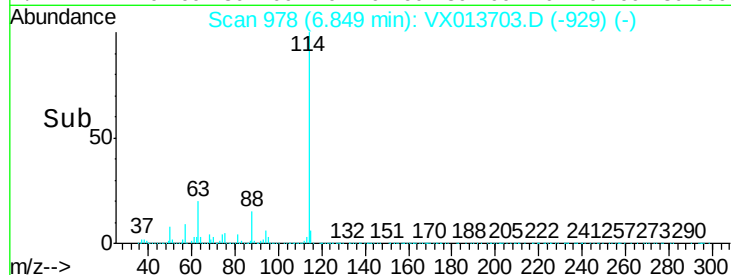
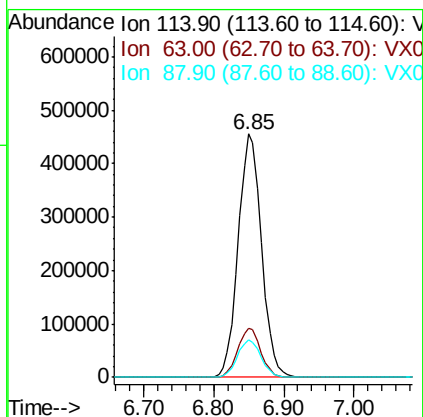
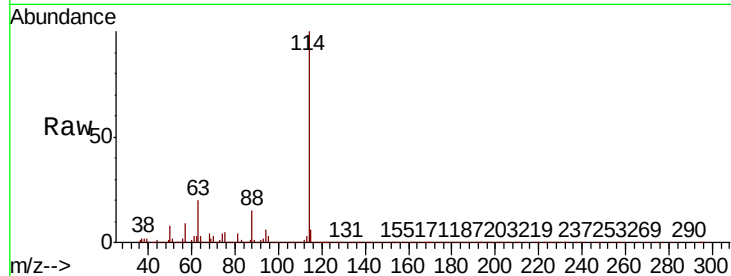
ClientSampleId :

S39-0189

Tot Ion:	114	Resp:	1057116
Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	39.6
88	15.4	0.0	31.4

Manual Integrations
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#35

Dibromofluoromethane

Concen: 47.762 ug/l

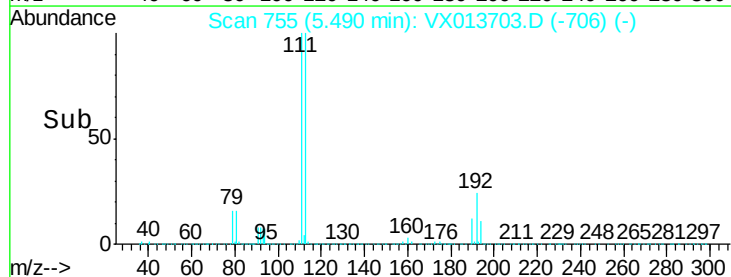
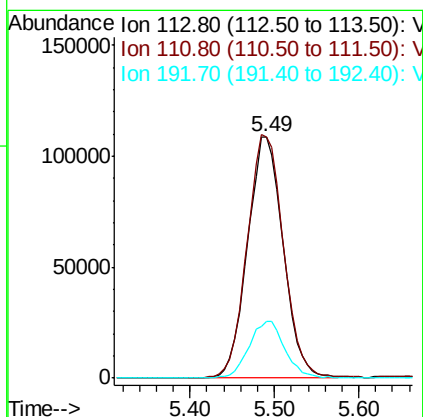
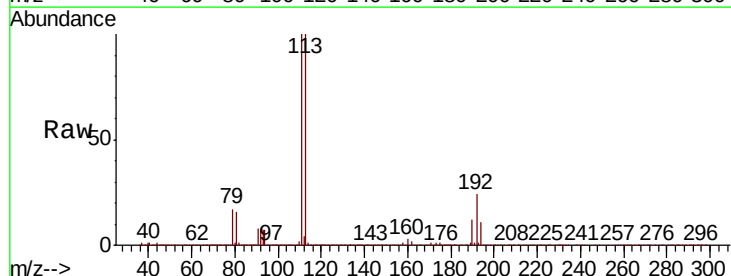
RT: 5.49 min Scan# 755

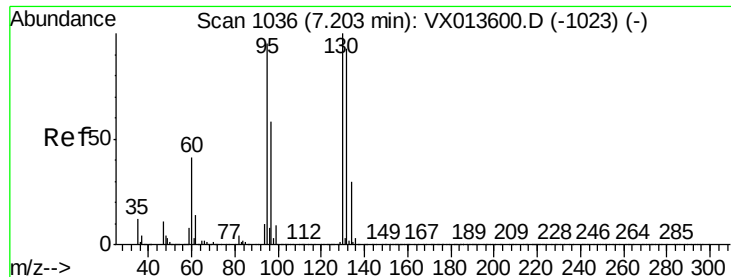
Delta R.T. -0.00 min

Lab File: VX013703.D

Acq: 29 Nov 2019 16:00

Tgt Ion:	113	Resp:	312138
Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.6	125.4
192	23.9	19.2	28.8





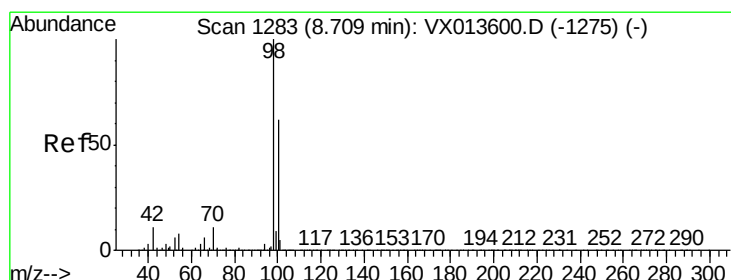
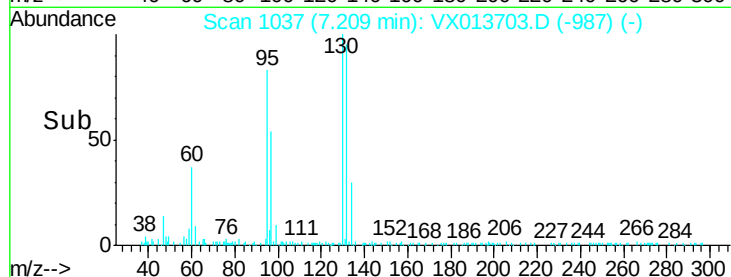
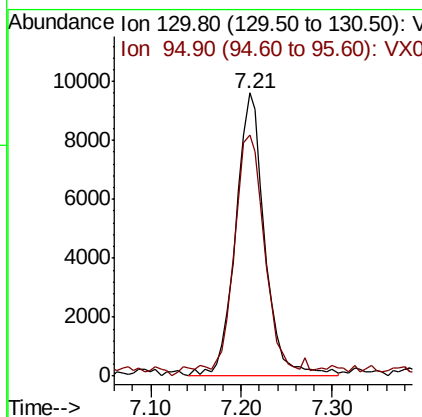
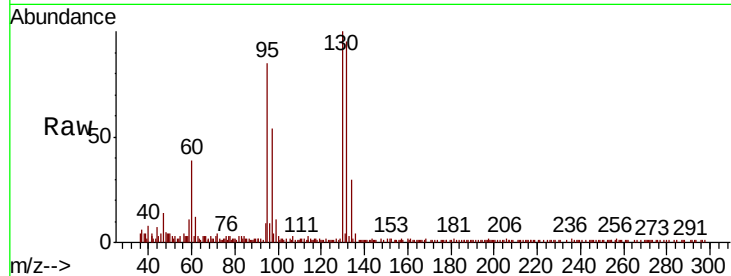
#44
 Trichloroethene
 Concen: 2.671 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX013703.D
 Acq: 29 Nov 2019 16:00

Instrument :
 MSVOA_X
 ClientSampled :
 S39-0189

Tot Ion	Ion	Ratio	Resp	Lower	Upper
130	100		21421		
95	82.3	0.0	190.8		

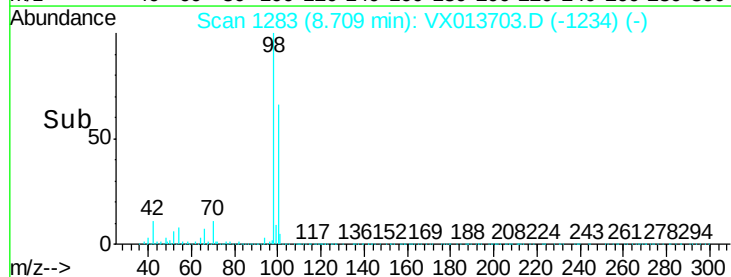
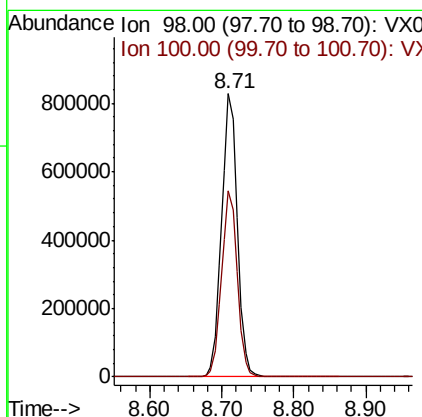
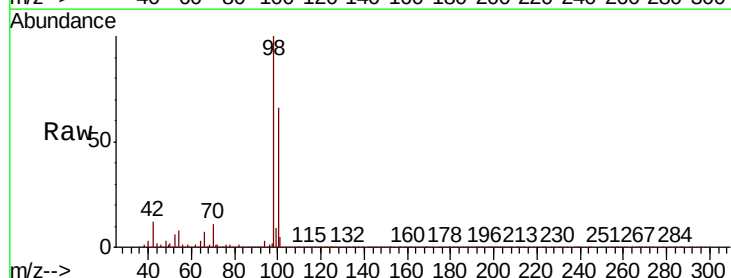
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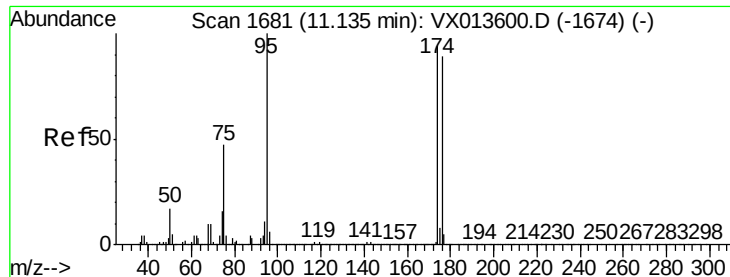
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#50
 Toluene-d8
 Concen: 49.563 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VX013703.D
 Acq: 29 Nov 2019 16:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
98	100		1261976		
100	65.5	53.1	79.7		





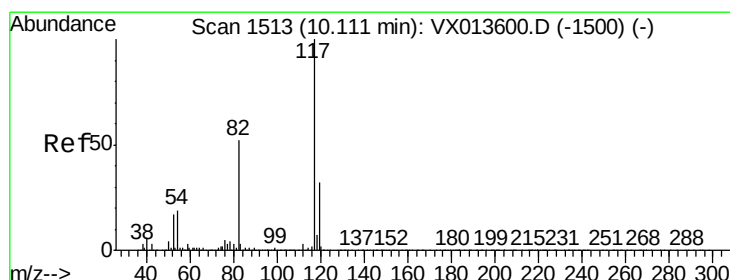
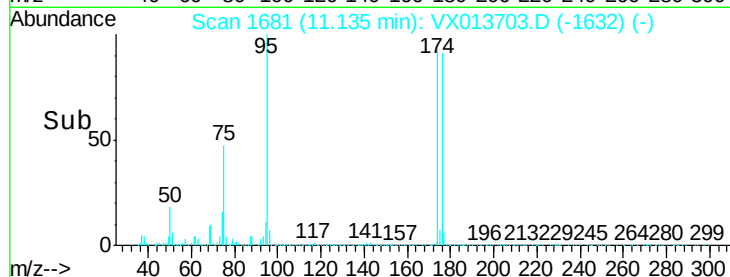
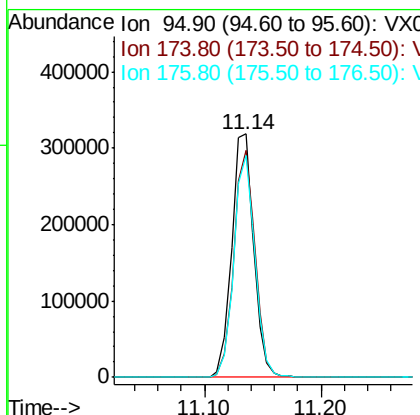
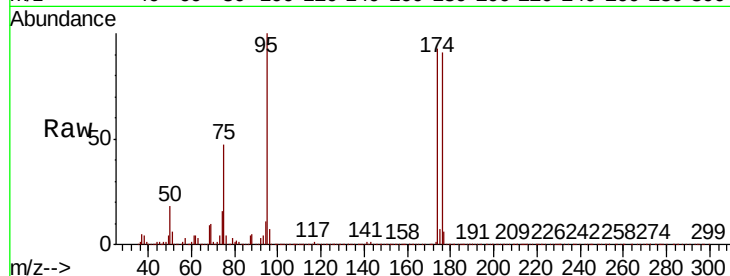
#62
4-Bromofluorobenzene
Concen: 45.866 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX013703.D
Acq: 29 Nov 2019 16:00

Instrument :
MSVOA_X
ClientSampleId :
S39-0189

Tot Ion	Ratio	Resp	Lower	Upper
95	100	421123		
174	90.3	0.0	180.0	
176	87.4	0.0	173.6	

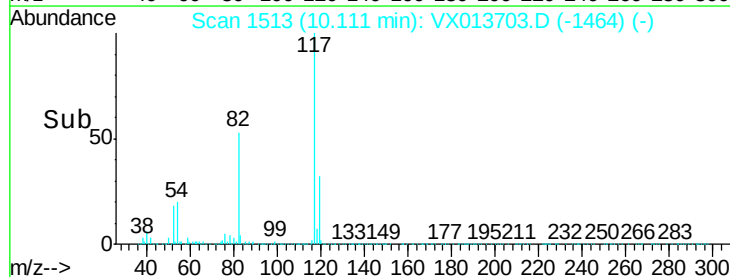
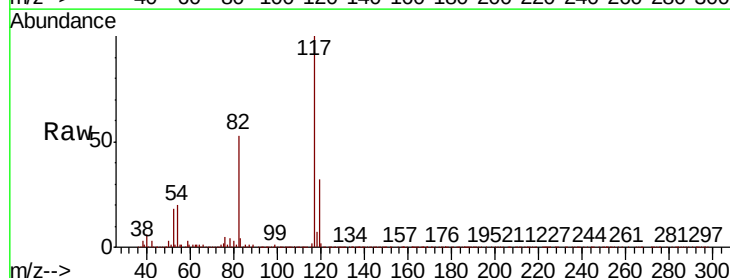
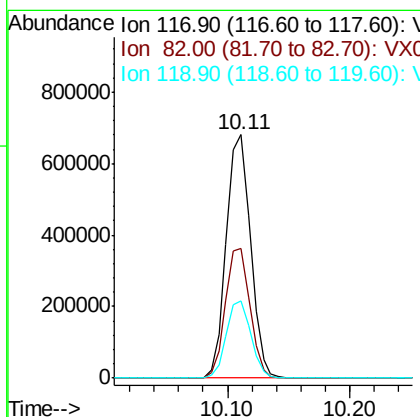
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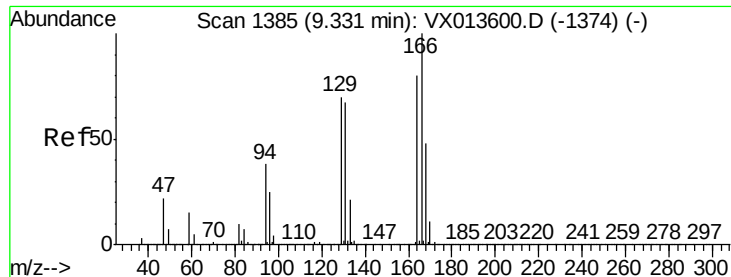
MMDadoda
12/4/2019 11:02:39 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013703.D
Acq: 29 Nov 2019 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	937228		
82	53.4	41.8	62.8	
119	31.9	25.8	38.8	





#64

Tetrachloroethene

Concen: 0.234 ug/l m

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX013703.D

Acq: 29 Nov 2019 16:00

Instrument :

MSVOA_X

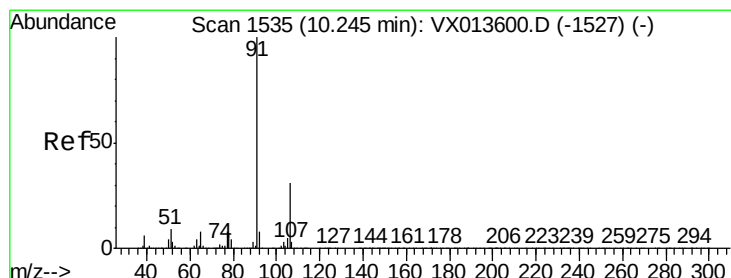
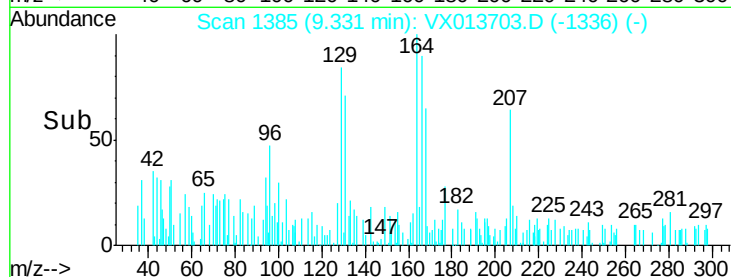
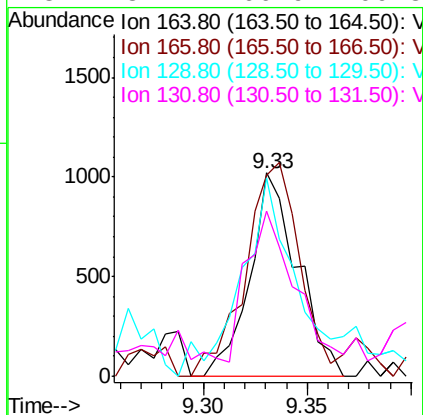
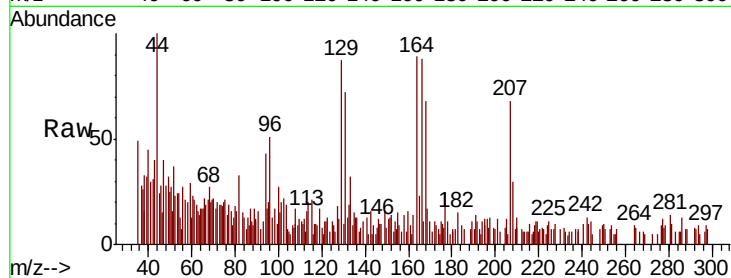
ClientSampled :

S39-0189

Tot Ion	Ratio	Lower	Upper
164	100		
166	98.5	99.7	149.5#
129	97.8	70.1	105.1
131	81.2	66.9	100.3

Manual Integrations
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12/4/2019 11:02:39 AM



#67

Ethyl Benzene

Concen: 0.274 ug/l

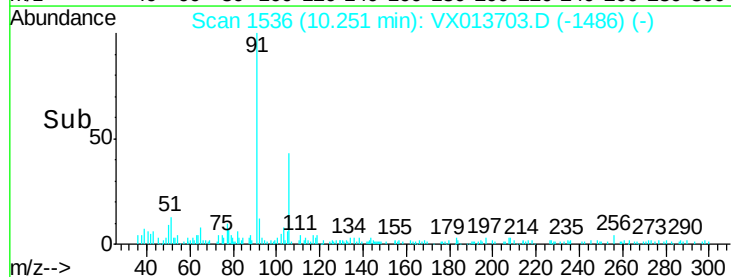
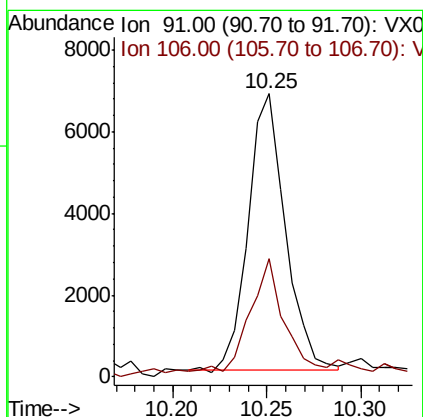
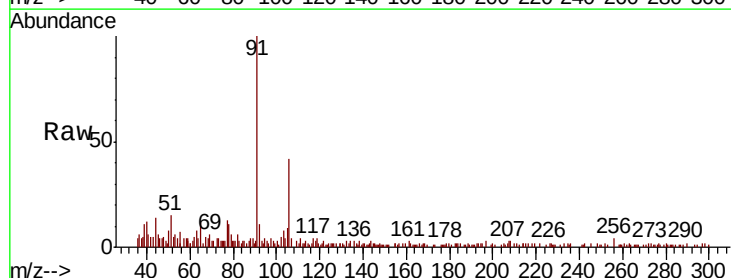
RT: 10.25 min Scan# 1536

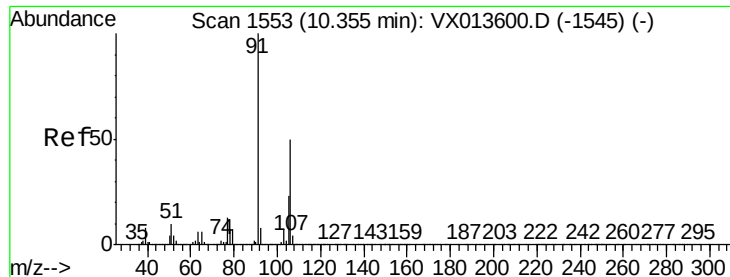
Delta R.T. 0.01 min

Lab File: VX013703.D

Acq: 29 Nov 2019 16:00

Tgt Ion	Ratio	Lower	Upper
91	100		
106	41.2	24.5	36.7#





#68

m/p-Xvlenes

Concen: 0.516 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013703.D

Acq: 29 Nov 2019 16:00

Instrument :

MSVOA_X

ClientSampled :

S39-0189

Tot Ion:106 Resp: 6612

Ion Ratio Lower Upper

106 100

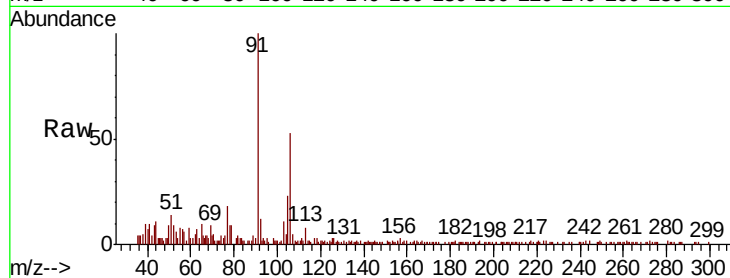
91 203.0 159.0 238.4

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

10000

8000

6000

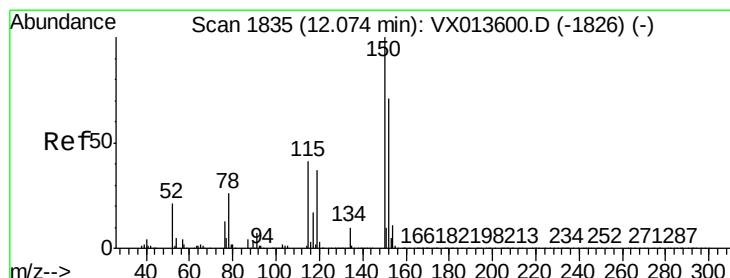
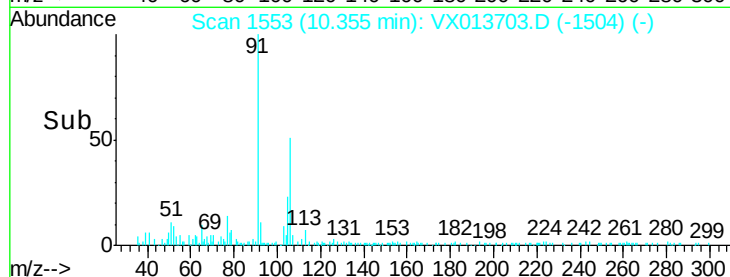
4000

2000

0

10.30 10.35 10.40

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013703.D

Acq: 29 Nov 2019 16:00

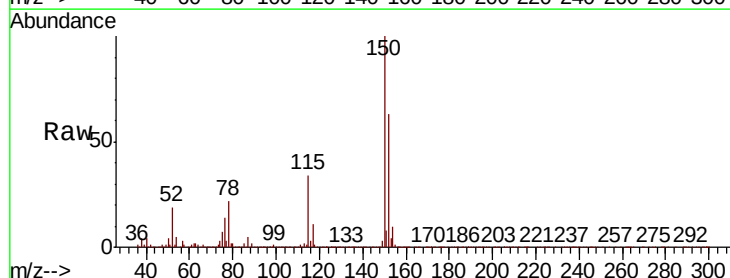
Tgt Ion:152 Resp: 423941

Ion Ratio Lower Upper

152 100

115 55.5 38.4 115.1

150 157.0 0.0 346.8



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

600000

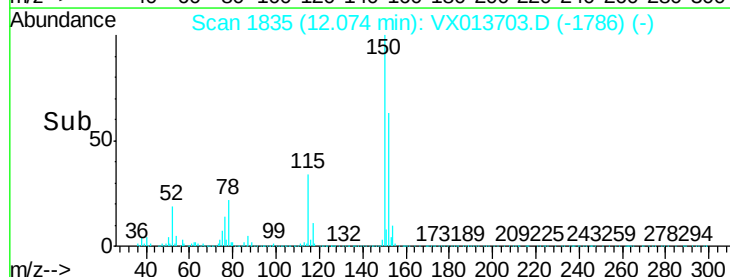
400000

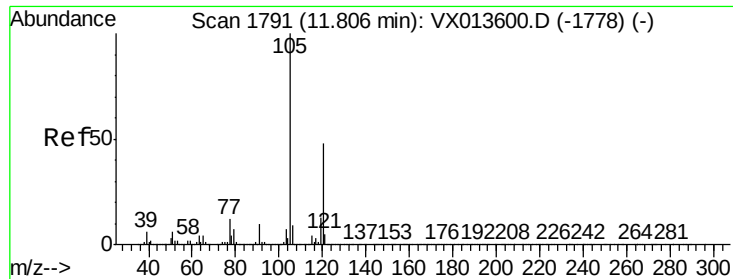
200000

0

12.00 12.10

Time-->





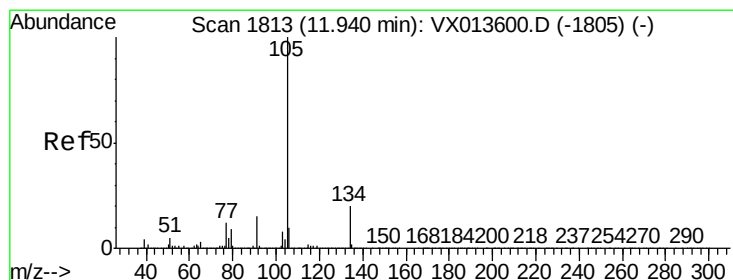
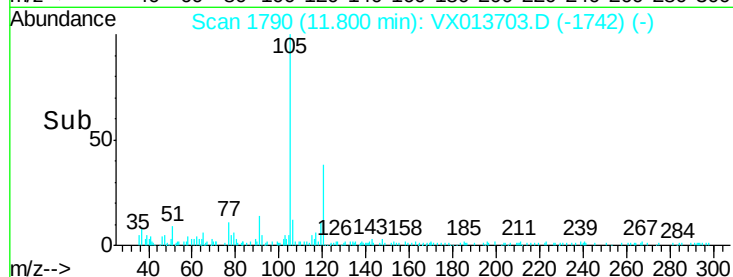
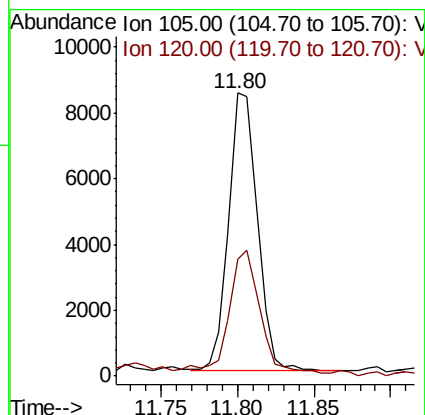
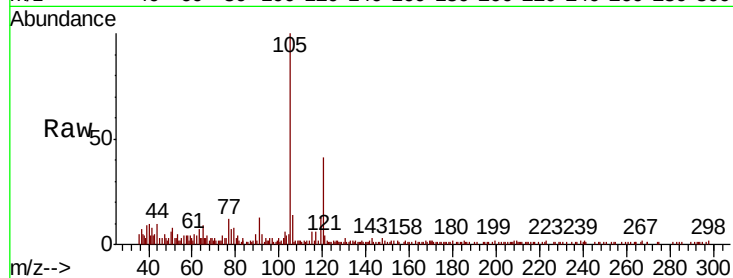
#84
1,2,4-Trimethylbenzene
Concen: 0.447 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX013703.D
Acq: 29 Nov 2019 16:00

Instrument :
MSVOA_X
ClientSampled :
S39-0189

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.5	23.1	69.3

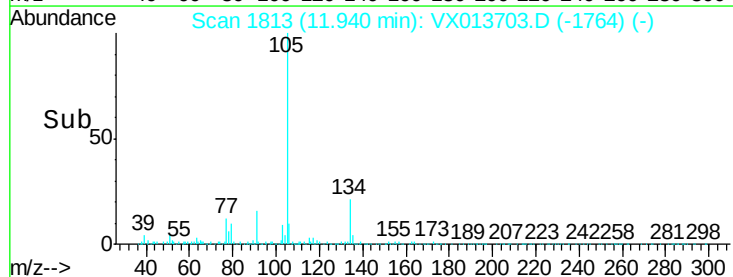
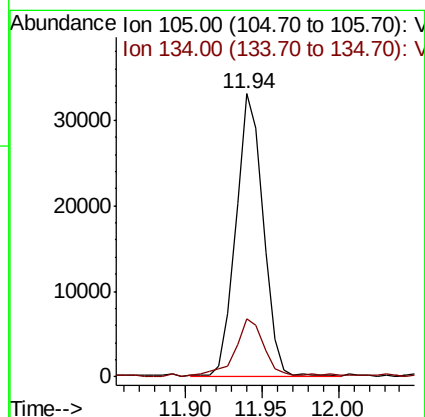
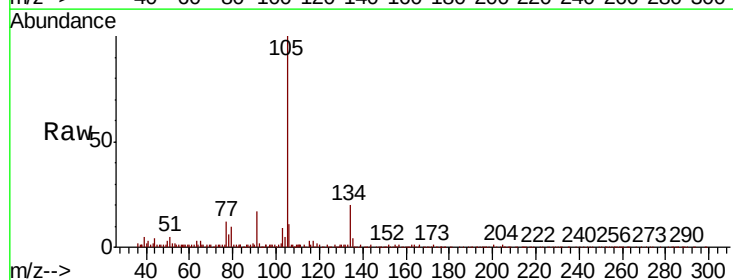
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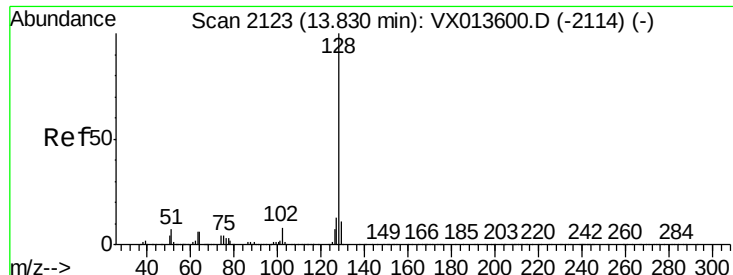
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#85
sec-Butylbenzene
Concen: 1.435 ug/l
RT: 11.94 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VX013703.D
Acq: 29 Nov 2019 16:00

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.4	31.2





#95
Naphthalene
Concen: 0.236 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013703.D
Acq: 29 Nov 2019 16:00

Instrument :
MSVOA_X
ClientSampleId :
S39-0189

Tot Ion:	128	Resp:	6777
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.3	15.5
129	9.7	8.7	13.1

Manual Integrations
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