

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091619\
 Data File : VX012413.D
 Acq On : 16 Sep 2019 18:19
 Operator : JC/SP
 Sample : K4830-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0275

Manual Integrations
 APPROVED

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 9/18/2019 11:19:26 AM

Quant Time: Sep 17 05:17:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 04:36:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	117933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	192367	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	177230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	98598	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	120889	50.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.06%	
35) Dibromofluoromethane	5.49	113	86108	46.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.42%	
50) Toluene-d8	8.71	98	311185	47.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.12%	
62) 4-Bromofluorobenzene	11.14	95	125382	45.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.14%	
Target Compounds						
					Qvalue	
16) Acetone	2.43	43	3410	3.142	ug/l #	77
31) Cyclohexane	5.57	56	64648	38.940	ug/l	99
39) Methylcyclohexane	7.46	83	75723	44.347	ug/l	97
73) Isopropylbenzene	11.01	105	89270	13.032	ug/l	99
78) n-propylbenzene	11.35	91	108193	13.975	ug/l	100
83) tert-Butylbenzene	11.76	119	10061	1.590	ug/l	84
85) sec-Butylbenzene	11.94	105	23831	3.407	ug/l	84
89) n-Butylbenzene	12.39	91	4343m	0.767	ug/l	
95) Naphthalene	13.83	128	27168	3.585	ug/l #	86

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

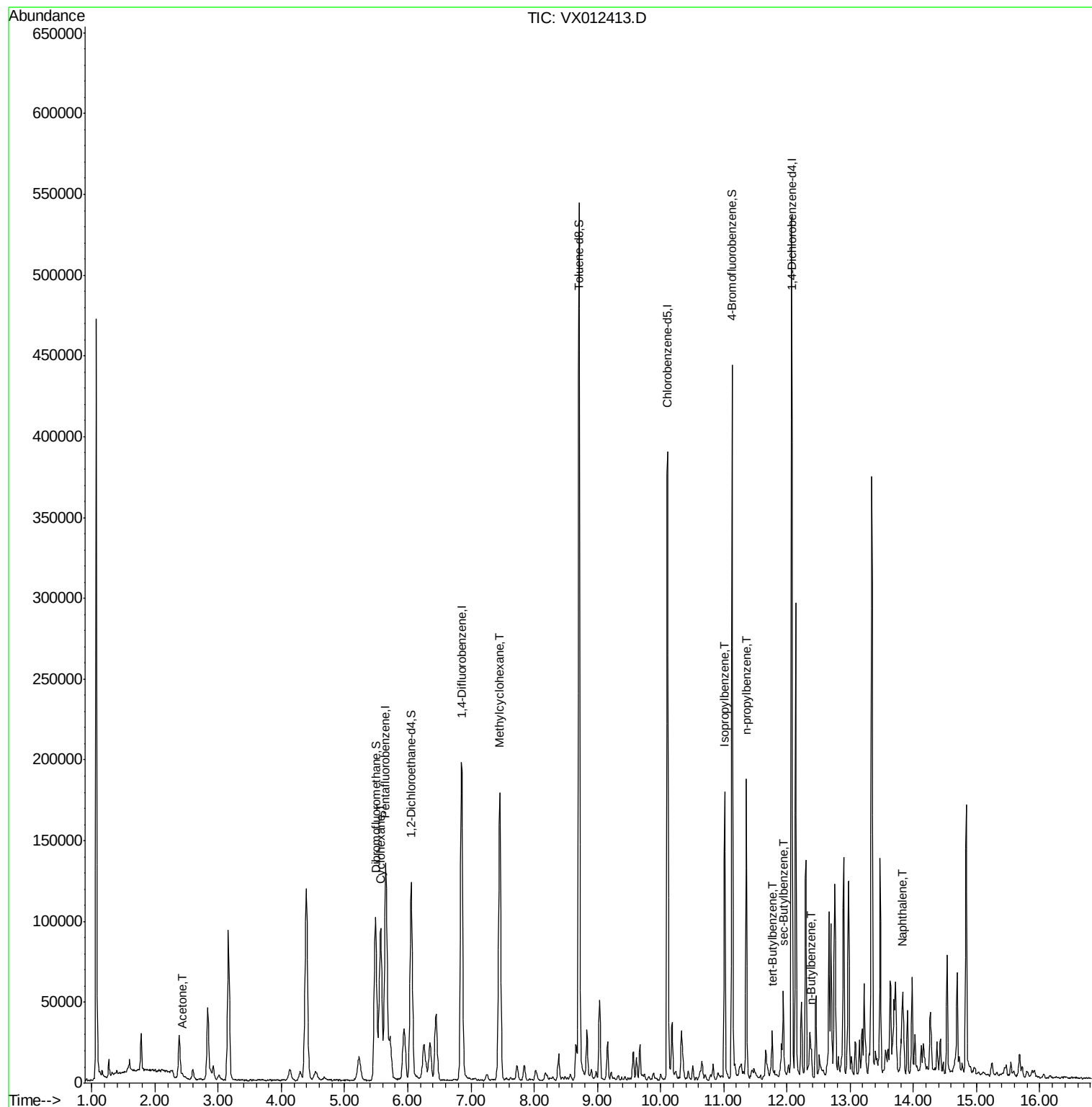
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091619\
Data File : VX012413.D
Acq On : 16 Sep 2019 18:19
Operator : JC/SP
Sample : K4830-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

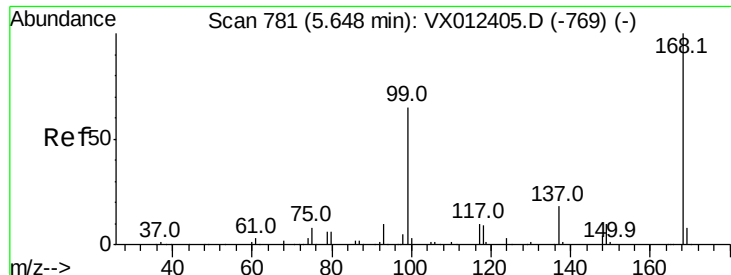
Instrument :
MSVOA_X
ClientSampleId :
S13-0275

Manual Integrations
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Quant Time: Sep 17 05:17:01 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091619W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 17 04:36:38 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012413.D

Acq: 16 Sep 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

S13-0275

Tot Ion:168 Resp: 117933

Ion Ratio Lower Upper

168 100

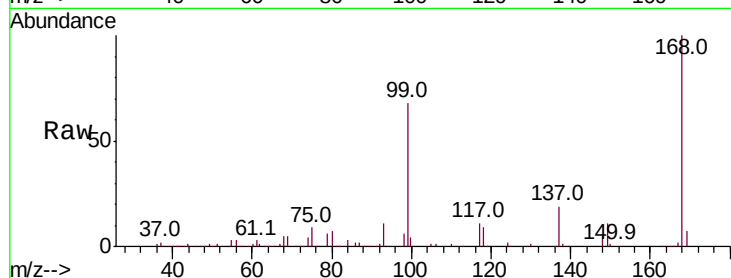
99 67.4 51.8 77.6

Manual Integrations

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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

40000

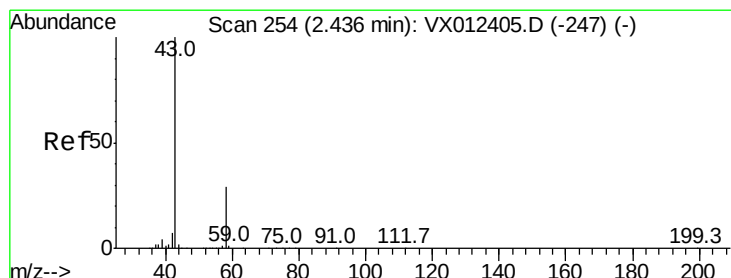
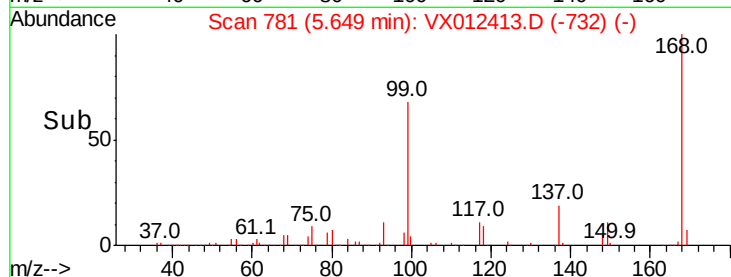
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 3.142 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012413.D

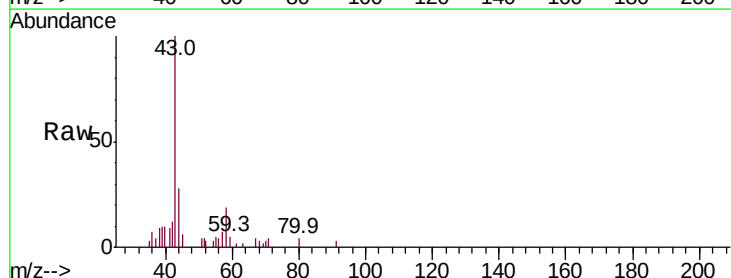
Acq: 16 Sep 2019 18:19

Tgt Ion: 43 Resp: 3410

Ion Ratio Lower Upper

43 100

58 17.0 23.5 35.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

6000

5000

4000

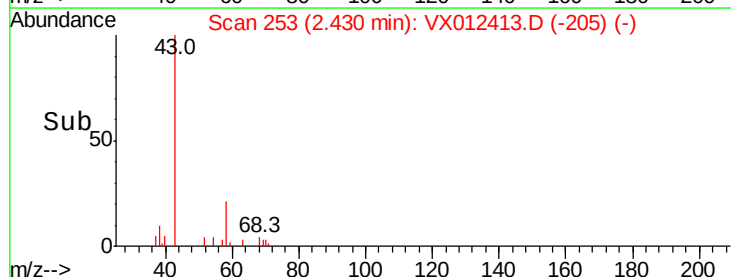
3000

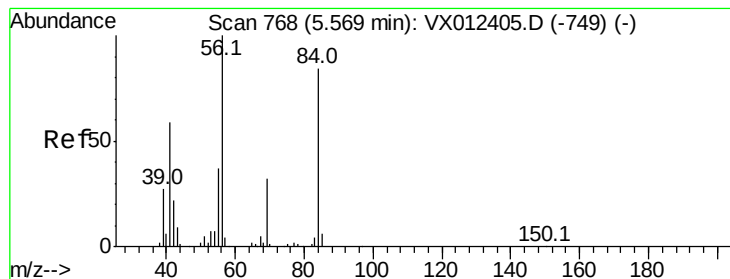
2000

1000

0

Time--> 2.40 2.45 2.50





#31

Cyclohexane

Concen: 38.940 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX012413.D

Acq: 16 Sep 2019 18:19

Instrument :

MSVOA_X

ClientSampled :

S13-0275

Tot Ion: 56 Resp: 64648

Ion Ratio Lower Upper

56 100

69 31.4 24.9 37.3

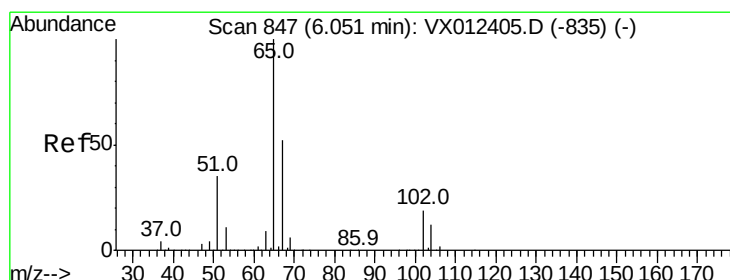
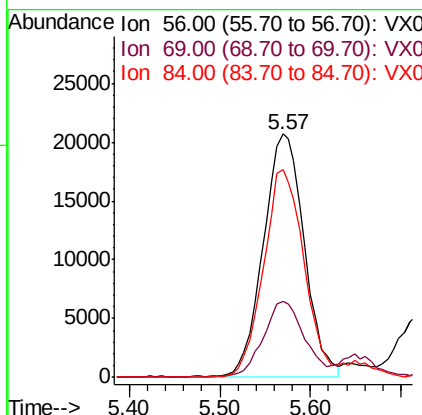
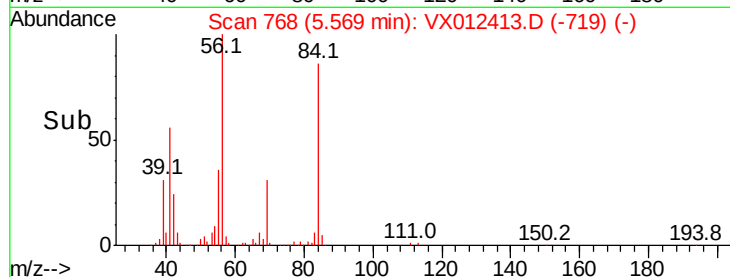
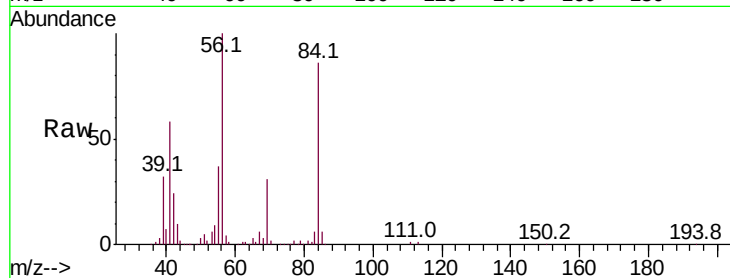
84 85.5 67.2 100.8

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#33

1,2-Dichloroethane-d4

Concen: 50.027 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012413.D

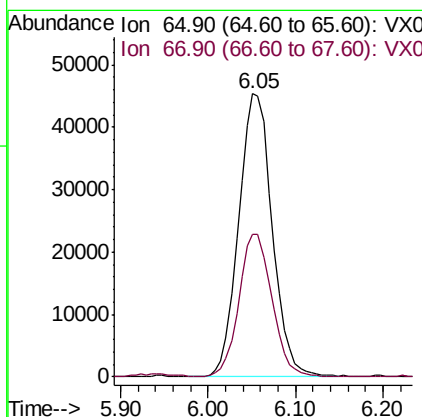
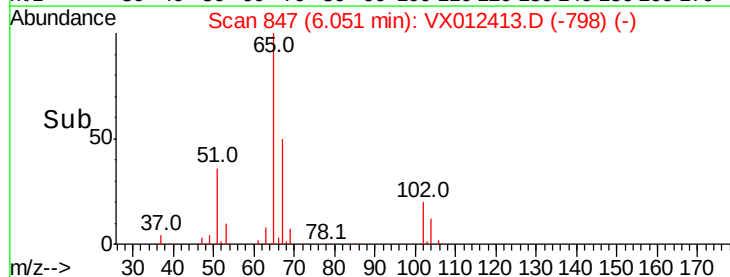
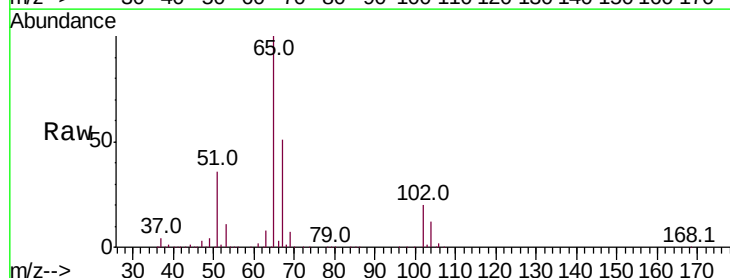
Acq: 16 Sep 2019 18:19

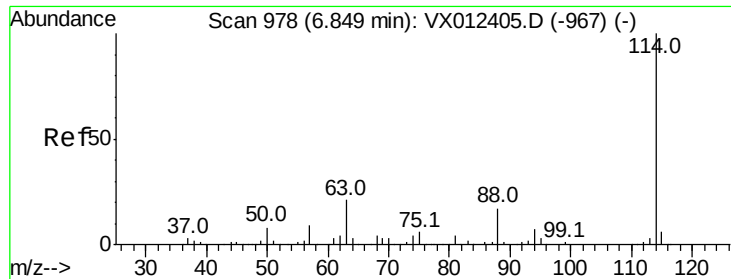
Tgt Ion: 65 Resp: 120889

Ion Ratio Lower Upper

65 100

67 49.6 0.0 102.8





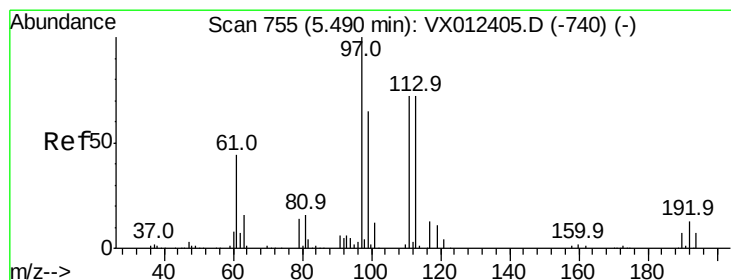
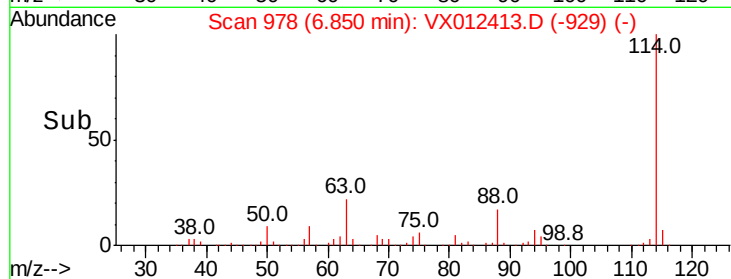
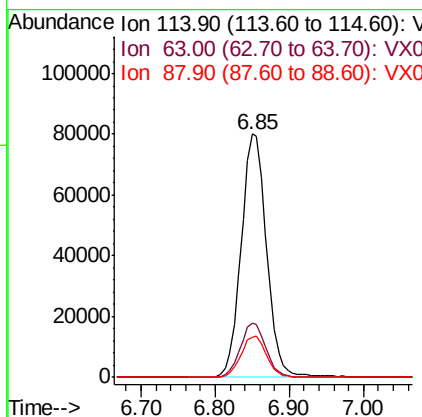
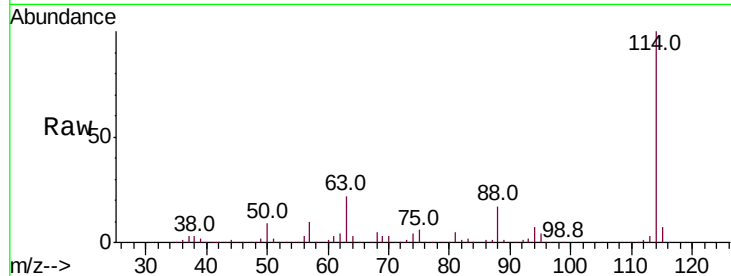
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012413.D
 Acq: 16 Sep 2019 18:19

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0275

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	22.2	0.0	42.4
88	16.6	0.0	33.4

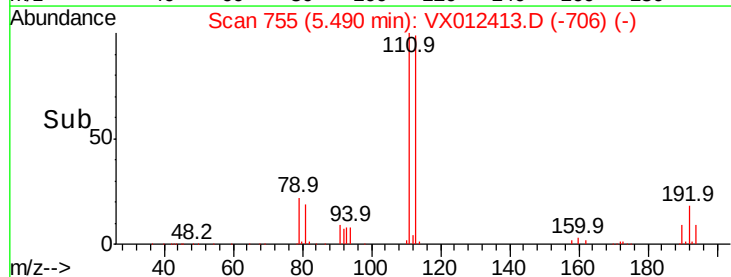
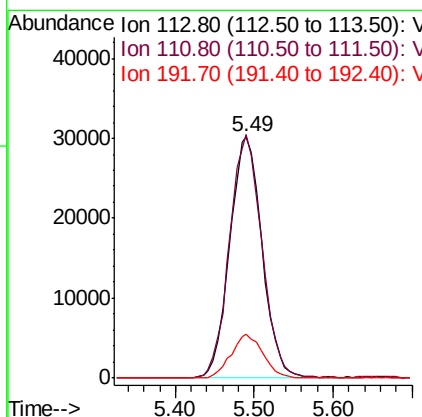
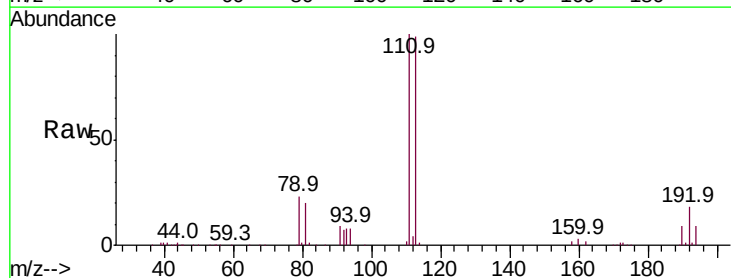
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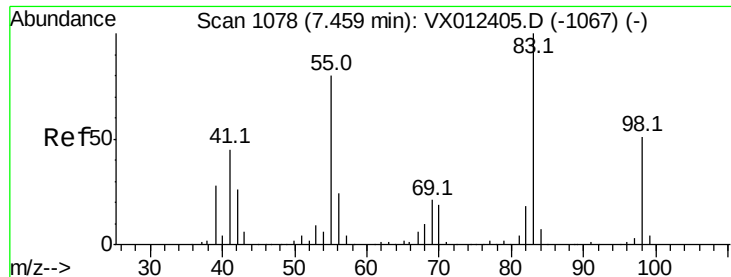
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#35
 Dibromofluoromethane
 Concen: 46.209 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012413.D
 Acq: 16 Sep 2019 18:19

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	101.0	81.8	122.6
192	17.8	15.0	22.4





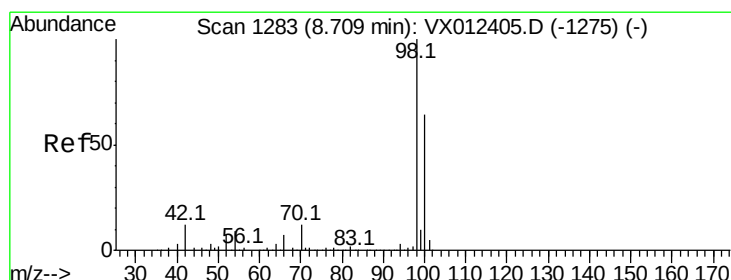
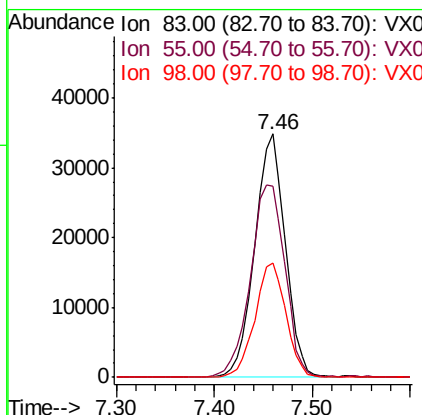
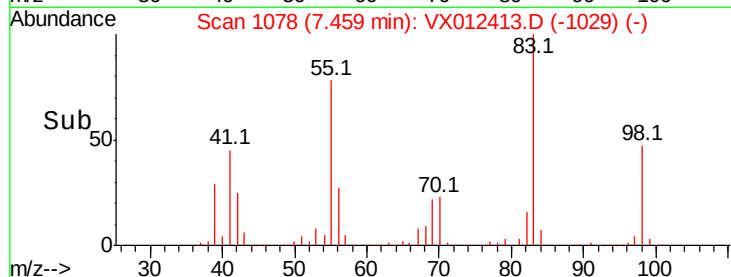
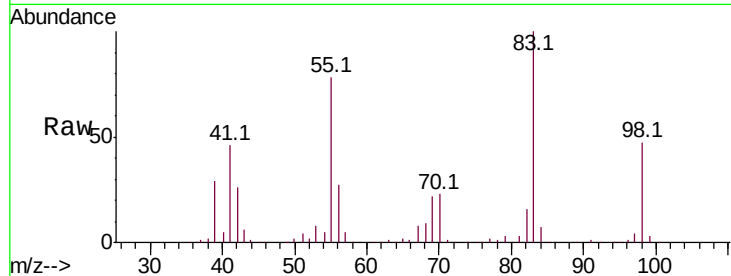
#39
Methylvlcyclohexane
Concen: 44.347 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012413.D
Acq: 16 Sep 2019 18:19

Instrument :
MSVOA_X
ClientSampled :
S13-0275

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.3	63.8	95.6
98	47.0	40.6	61.0

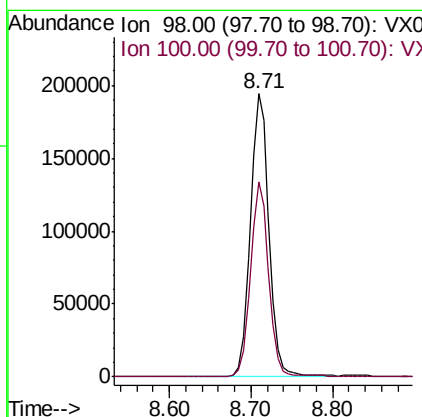
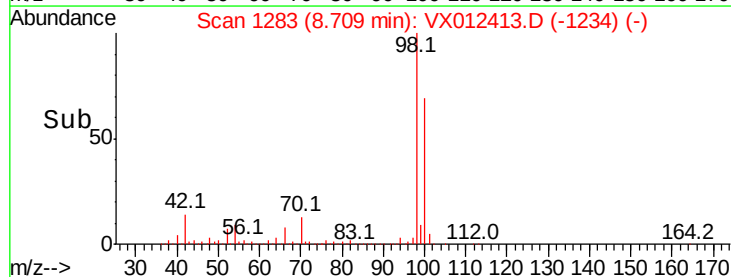
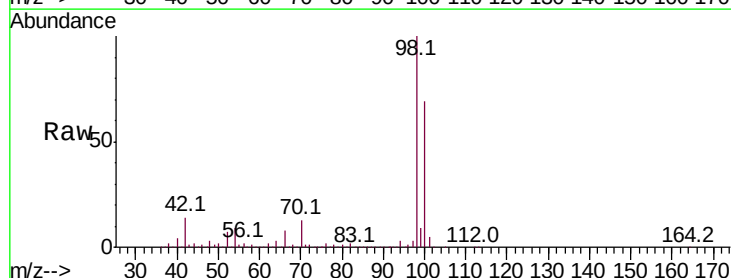
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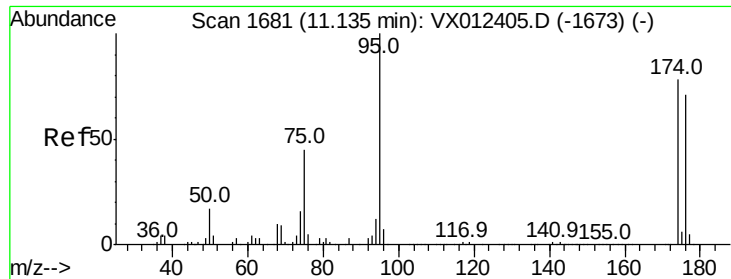
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#50
Toluene-d8
Concen: 47.060 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012413.D
Acq: 16 Sep 2019 18:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.6	54.4	81.6





#62

4-Bromofluorobenzene

Concen: 45.068 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012413.D

Acq: 16 Sep 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

S13-0275

Tot Ion: 95 Resp: 125382

Ion Ratio Lower Upper

95 100

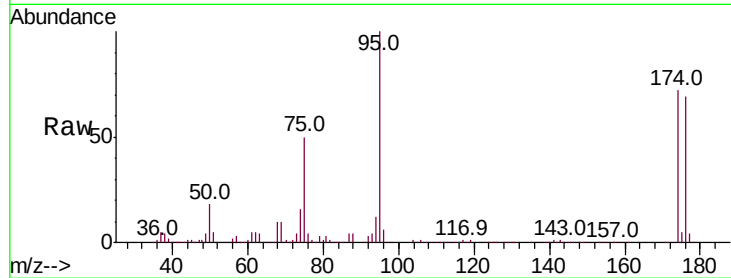
174 67.9 0.0 146.0

176 65.4 0.0 137.6

Manual Integrations
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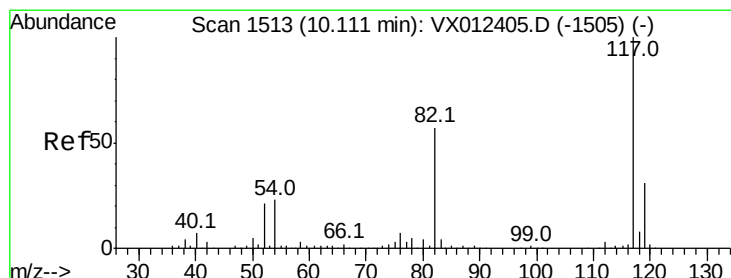
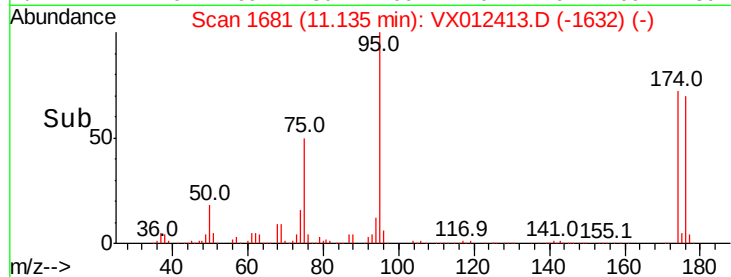
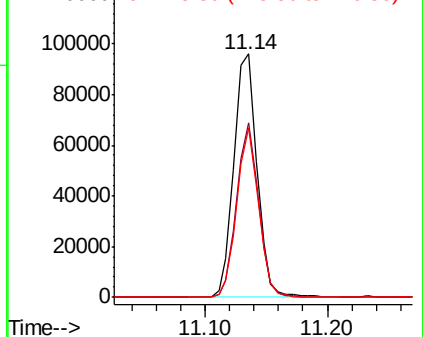
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Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012413.D

Acq: 16 Sep 2019 18:19

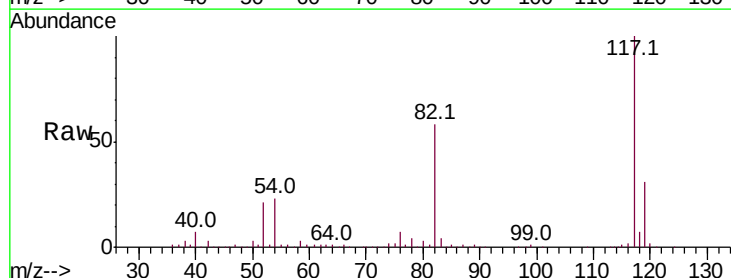
Tgt Ion: 117 Resp: 177230

Ion Ratio Lower Upper

117 100

82 58.3 45.8 68.6

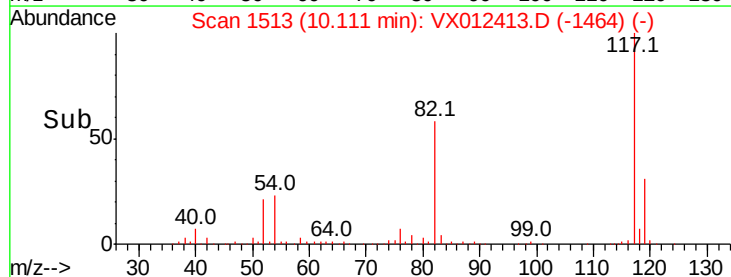
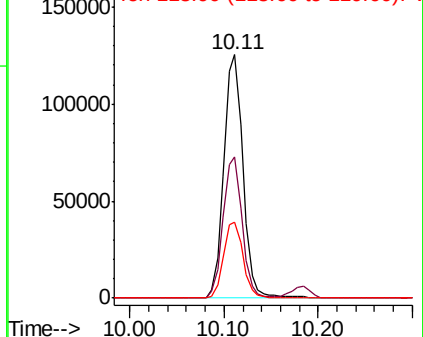
119 31.4 24.9 37.3

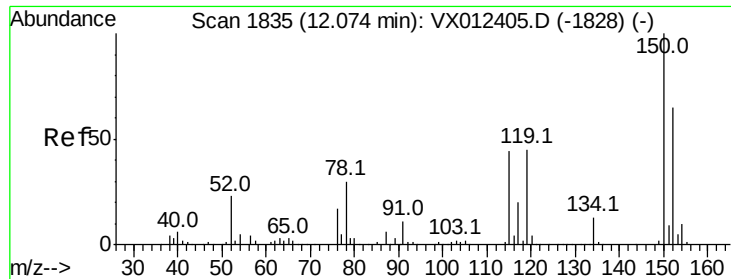


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





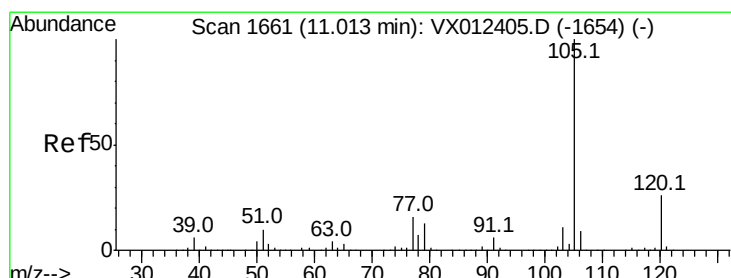
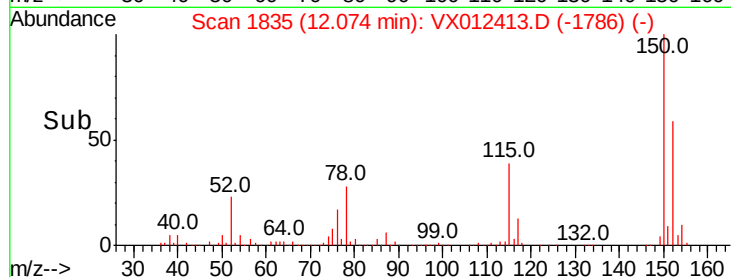
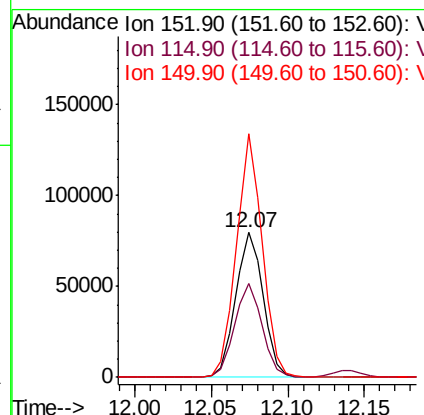
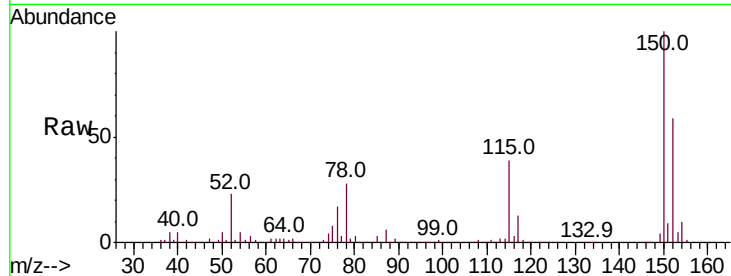
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX012413.D
 Acq: 16 Sep 2019 18:19

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0275

Tot Ion	Ratio	Lower	Upper
152	100		
115	64.4	45.3	135.9
150	158.5	0.0	354.0

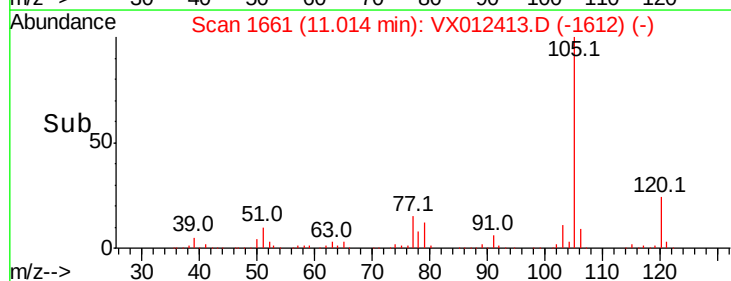
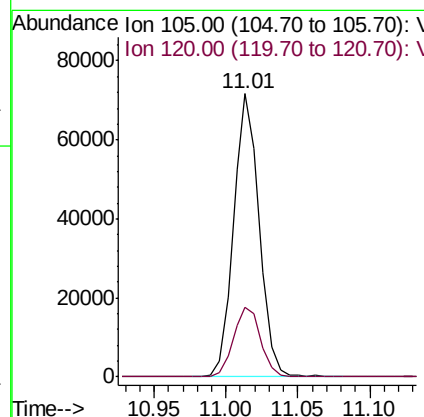
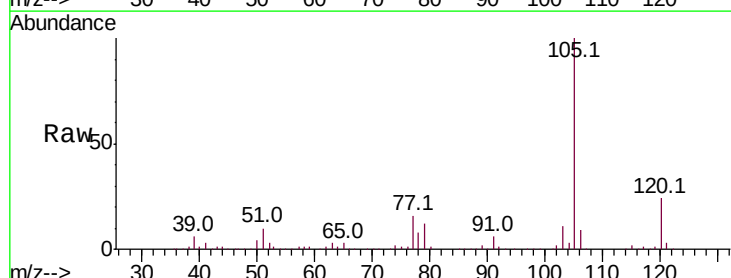
Manual Integrations
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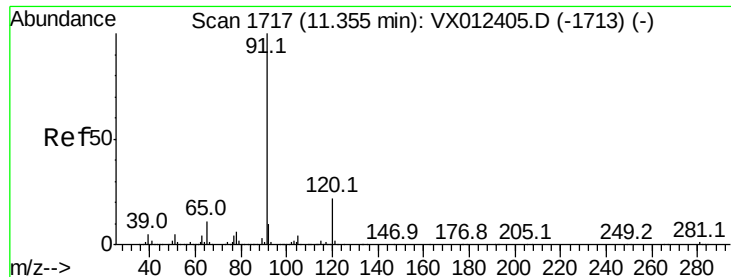
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#73
 Isopropylbenzene
 Concen: 13.032 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VX012413.D
 Acq: 16 Sep 2019 18:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.6





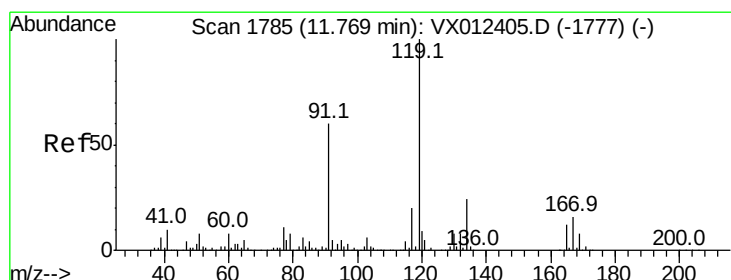
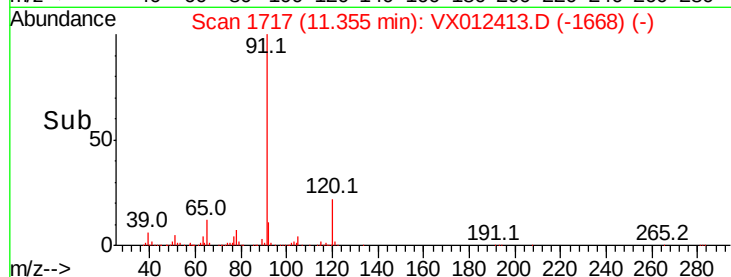
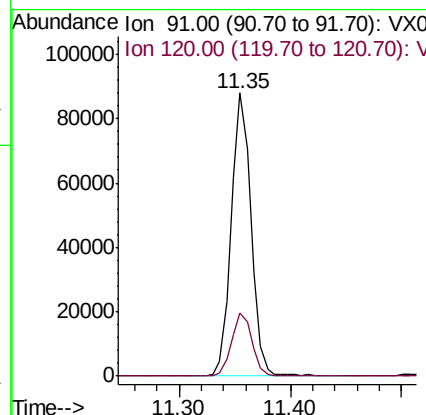
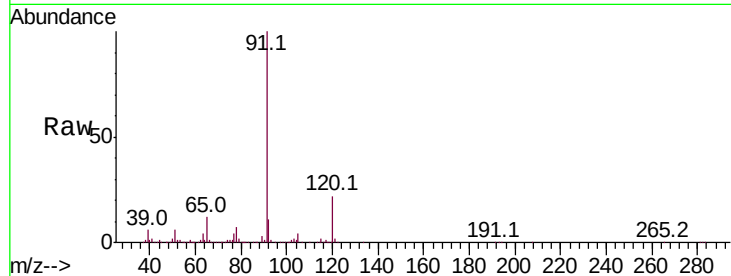
#78
n-propylbenzene
Concen: 13.975 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VX012413.D
Acq: 16 Sep 2019 18:19

Instrument :
MSVOA_X
ClientSampleId :
S13-0275

Tot Ion	Ratio	Resp	Lower	Upper
91	100	108193		
120	22.8		11.5	34.4

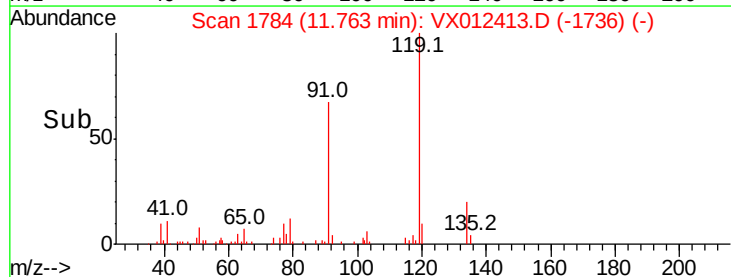
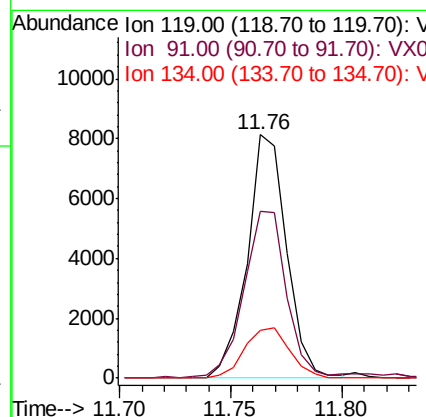
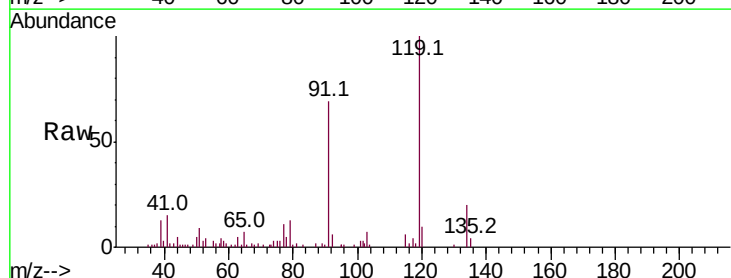
Manual Integrations
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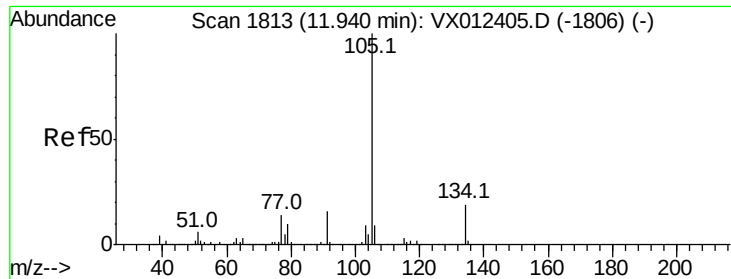
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#83
tert-Butylbenzene
Concen: 1.590 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012413.D
Acq: 16 Sep 2019 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	10061		
91	75.3		29.6	88.8
134	23.7		11.4	34.1





#85

sec-Butylbenzene

Concen: 3.407 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012413.D

Acq: 16 Sep 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

S13-0275

Tot Ion:105 Resp: 23831

Ion Ratio Lower Upper

105 100

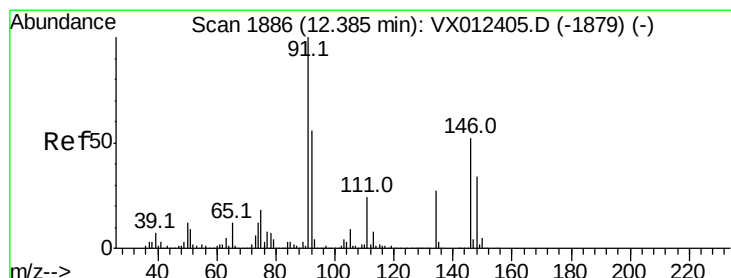
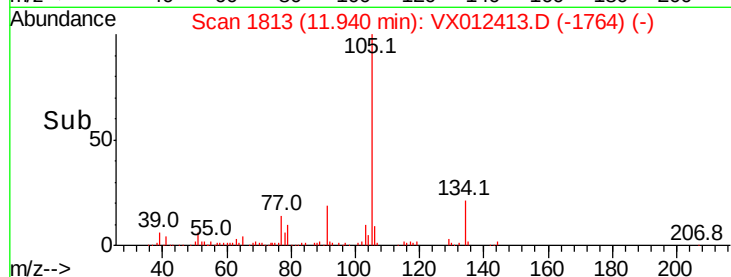
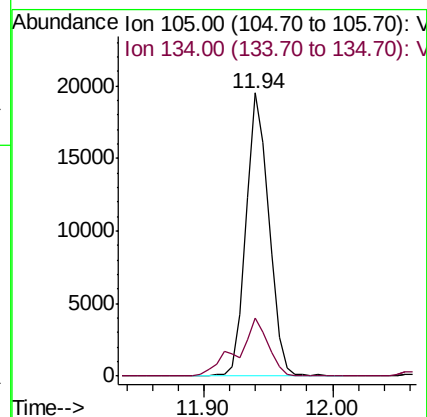
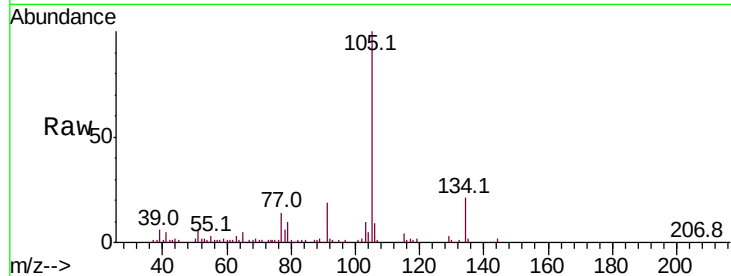
134 27.5 10.1 30.1

Manual Integrations

APPROVED

MMDadoda

9/18/2019 11:19:26 AM



#89

n-Butylbenzene

Concen: 0.767 ug/l m

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012413.D

Acq: 16 Sep 2019 18:19

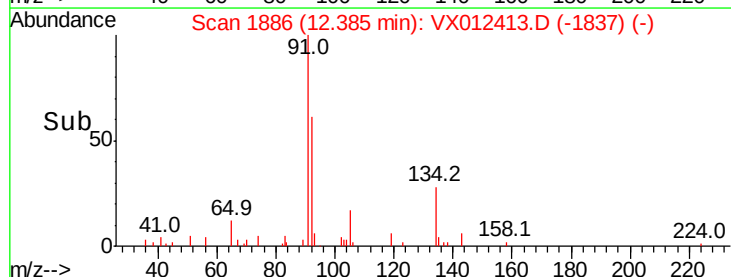
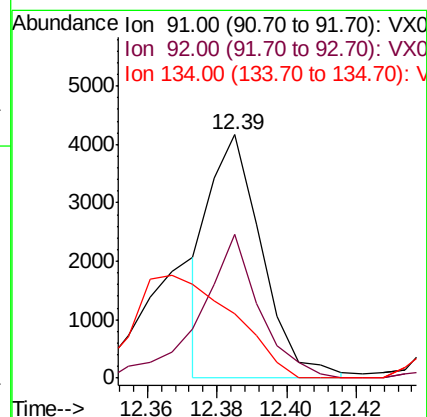
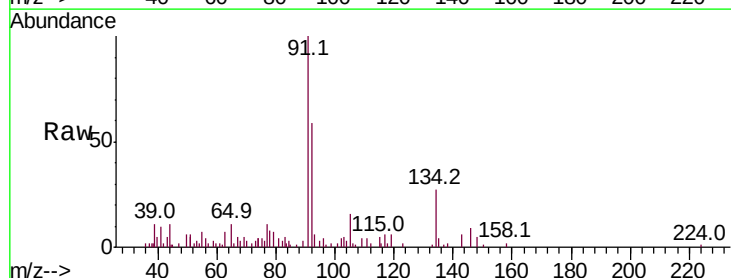
Tgt Ion: 91 Resp: 4343

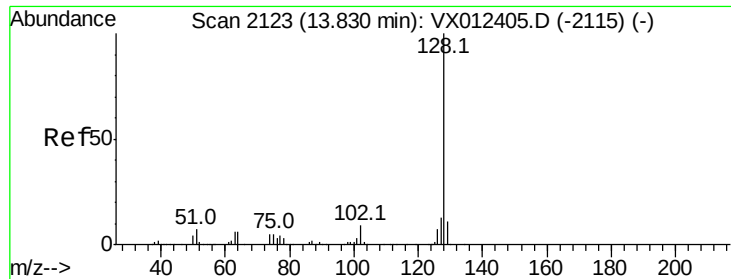
Ion Ratio Lower Upper

91 100

92 67.5 27.5 82.4

134 81.3 13.2 39.6#





#95
Naphthalene
Concen: 3.585 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012413.D
Acq: 16 Sep 2019 18:19

Instrument :
MSVOA_X
ClientSampleId :
S13-0275

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.5	10.2	15.4#
129	18.0	8.6	13.0#

Manual Integrations
APPROVED

MMDadoda
9/18/2019 11:19:26 AM

