

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091619\
 Data File : VX012416.D
 Acq On : 16 Sep 2019 19:29
 Operator : JC/SP
 Sample : K4830-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0272

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 12:02:20 PM

Quant Time: Sep 17 05:28:50 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	115345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	188599	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	171231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	94882	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	117117	49.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.10%	
35) Dibromofluoromethane	5.49	113	84663	46.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.68%	
50) Toluene-d8	8.71	98	314533	48.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.04%	
62) 4-Bromofluorobenzene	11.14	95	121167	44.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.84%	
Target Compounds						
					Qvalue	
16) Acetone	2.43	43	11556	10.886	ug/l	99
31) Cyclohexane	5.58	56	1268802	781.395	ug/l	98
39) Methylcyclohexane	7.46	83	1727046	1031.658	ug/l	97
40) Benzene	6.14	78	56219	10.468	ug/l	98
67) Ethyl Benzene	10.25	91	2560637	375.309	ug/l	97
68) m/p-Xylenes	10.36	106	42577	16.906	ug/l	98
69) o-Xylene	10.70	106	3310	1.267	ug/l	87
73) Isopropylbenzene	11.01	105	941828	142.877	ug/l	99
78) n-propylbenzene	11.35	91	1338783	179.706	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	803821	140.035	ug/l	100
83) tert-Butylbenzene	11.77	119	28812	4.732	ug/l #	43
84) 1,2,4-Trimethylbenzene	11.81	105	5801341	996.034	ug/l	96
85) sec-Butylbenzene	11.94	105	209467	31.119	ug/l	82
86) p-Isopropyltoluene	12.06	119	146656	23.781	ug/l	99
89) n-Butylbenzene	12.39	91	111928m	20.552	ug/l	
95) Naphthalene	13.83	128	2172532	268.844	ug/l	99

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

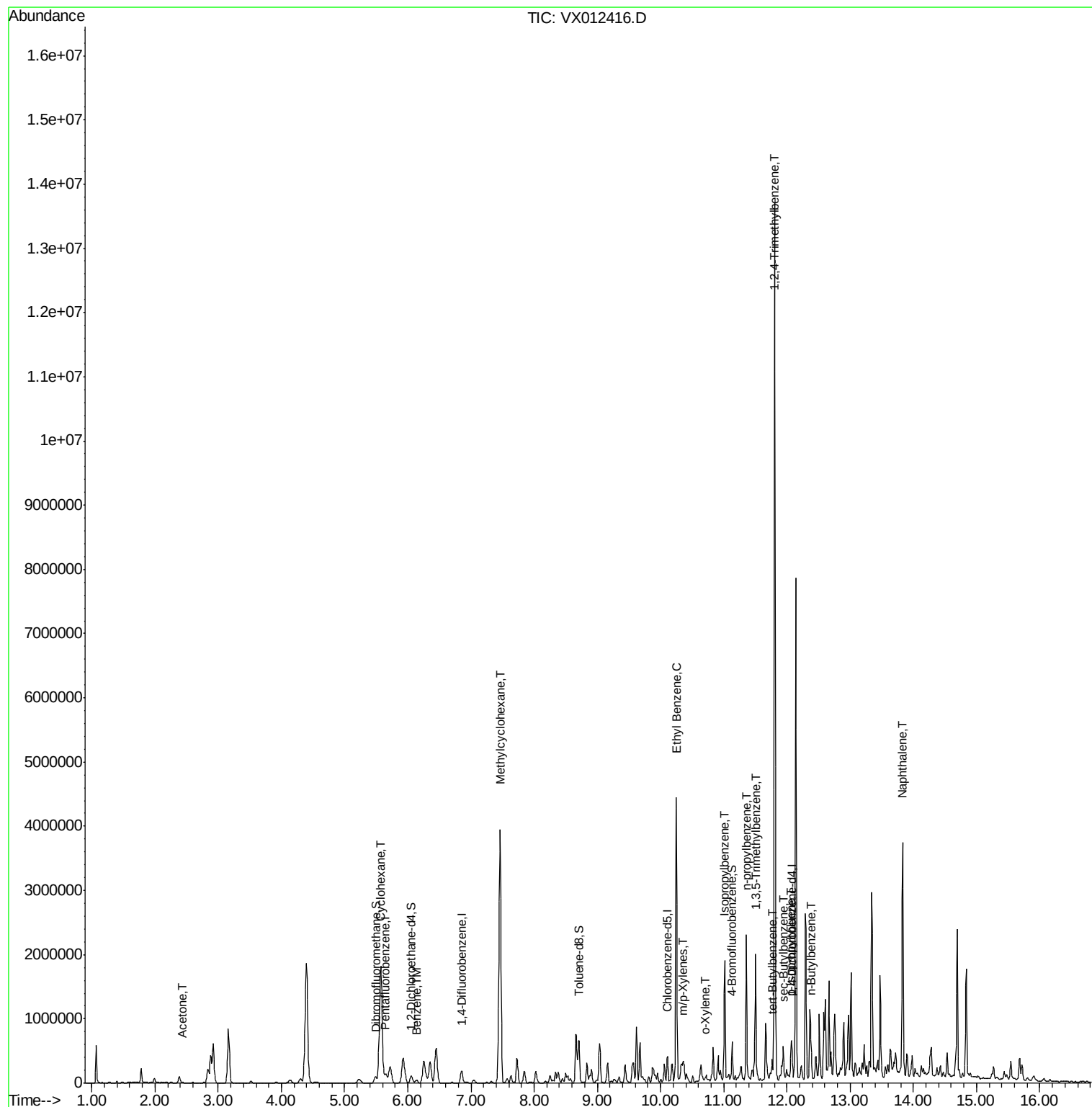
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091619\
Data File : VX012416.D
Acq On : 16 Sep 2019 19:29
Operator : JC/SP
Sample : K4830-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

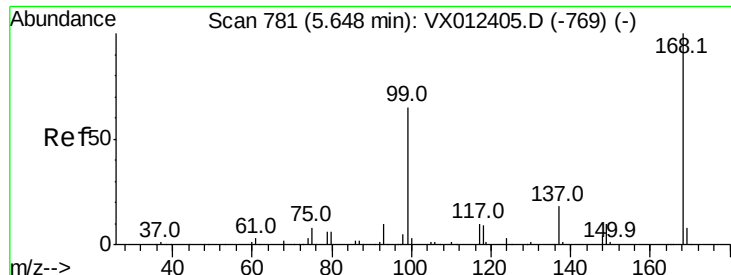
Instrument :
MSVOA_X
ClientSampleId :
S13-0272

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Quant Time: Sep 17 05:28:50 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# 782

Delta R.T. 0.01 min

Lab File: VX012416.D

Acq: 16 Sep 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

S13-0272

Tot Ion:168 Resp: 115345

Ion Ratio Lower Upper

168 100

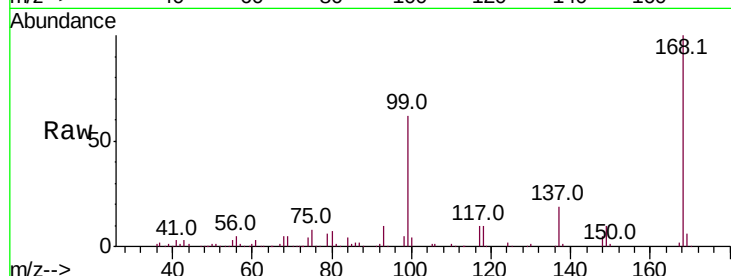
99 62.1 51.8 77.6

Manual Integrations

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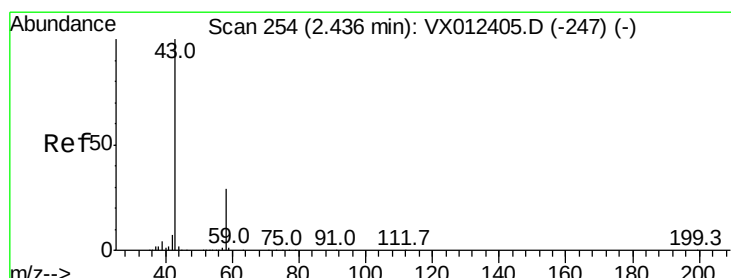
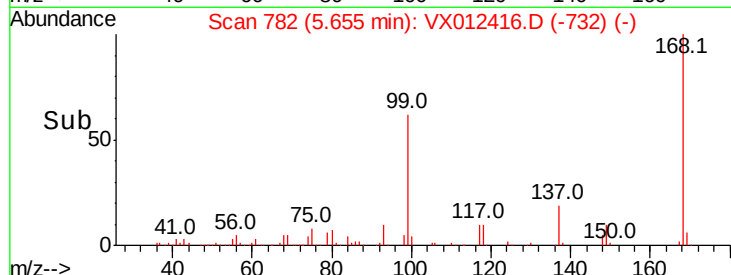


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

Time-->



#16

Acetone

Concen: 10.886 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012416.D

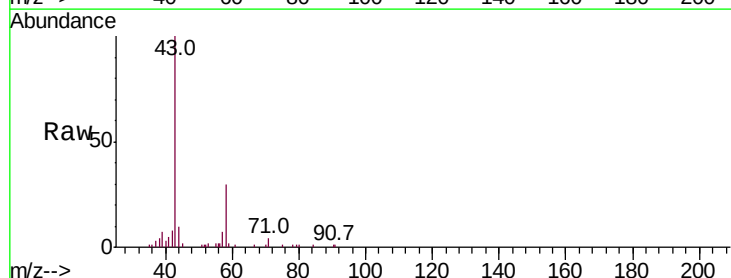
Acq: 16 Sep 2019 19:29

Tgt Ion: 43 Resp: 11556

Ion Ratio Lower Upper

43 100

58 28.8 23.5 35.3

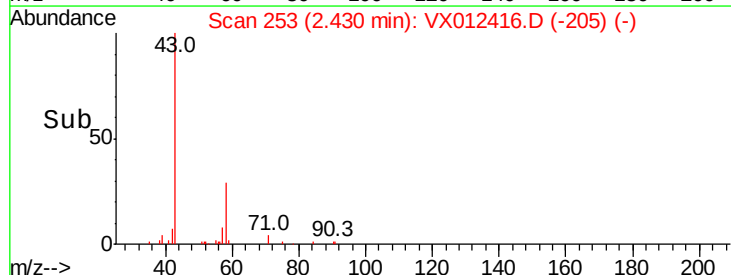


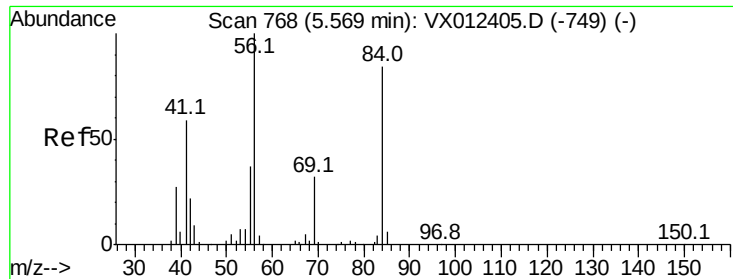
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

Time-->





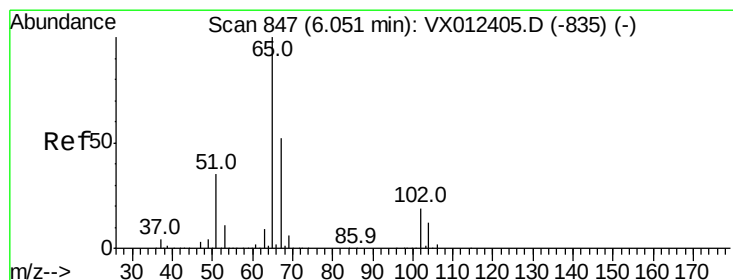
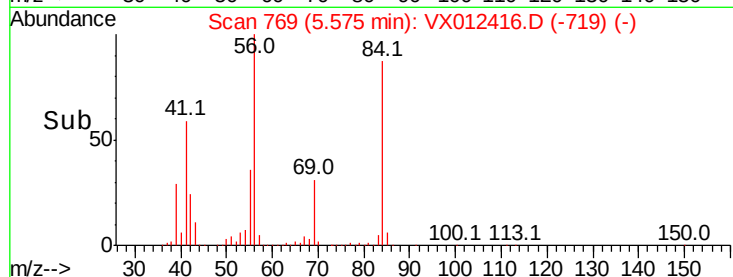
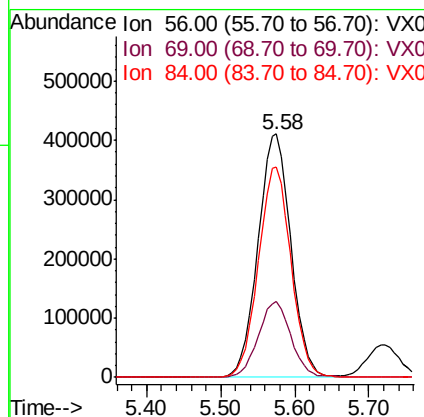
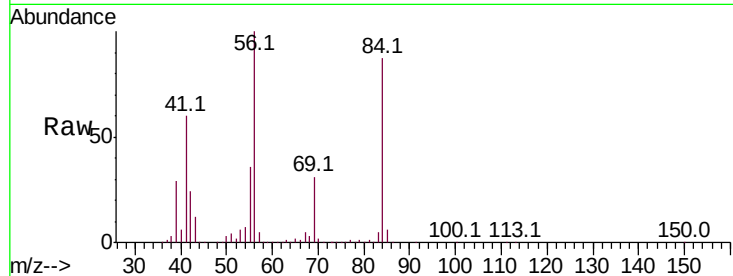
#31
Cyclohexane
Concen: 781.395 ug/l
RT: 5.58 min Scan# 769
Delta R.T. 0.01 min
Lab File: VX012416.D
Acq: 16 Sep 2019 19:29

Instrument :
MSVOA_X
ClientSampled :
S13-0272

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.9	24.9	37.3
84	86.6	67.2	100.8

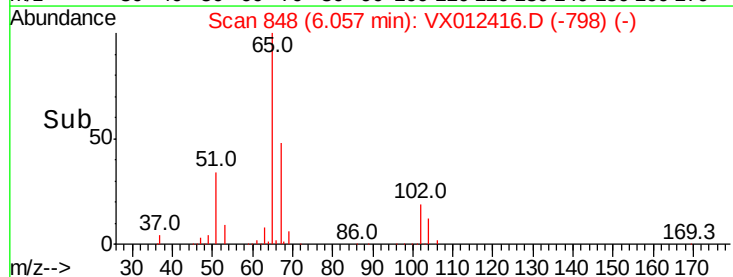
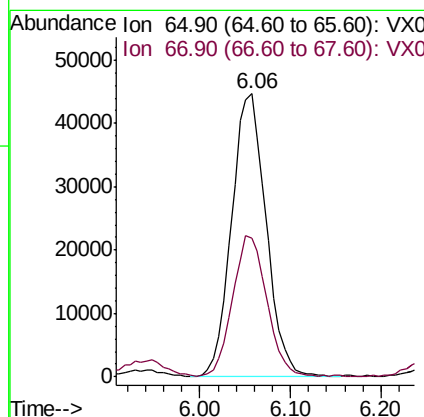
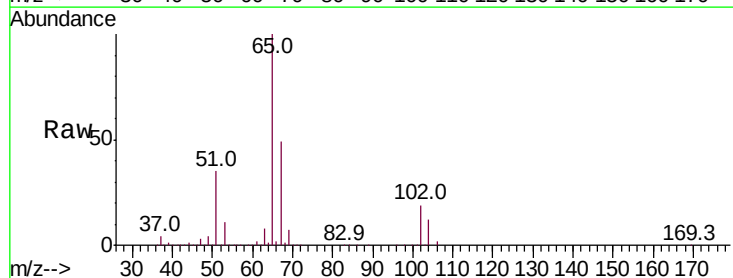
Manual Integrations
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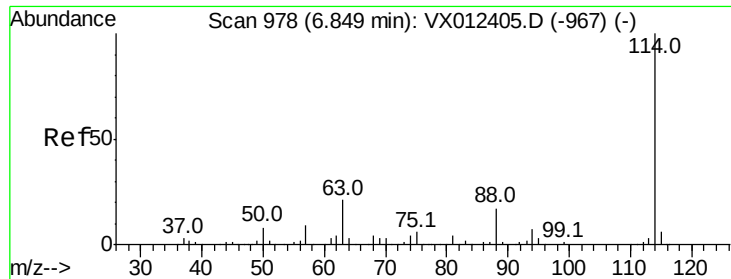
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#33
1,2-Dichloroethane-d4
Concen: 49.554 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.01 min
Lab File: VX012416.D
Acq: 16 Sep 2019 19:29

Tgt Ion	Ratio	Lower	Upper
65	100		
67	49.3	0.0	102.8





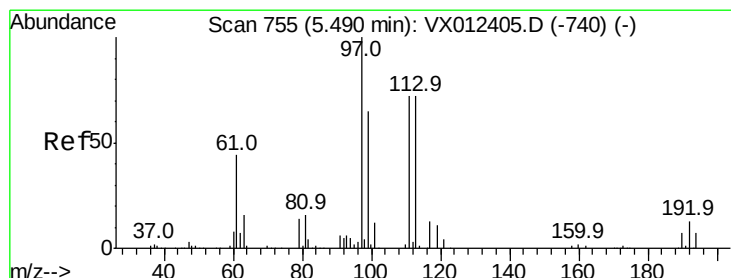
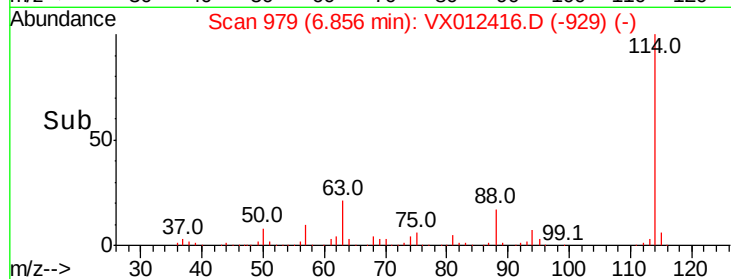
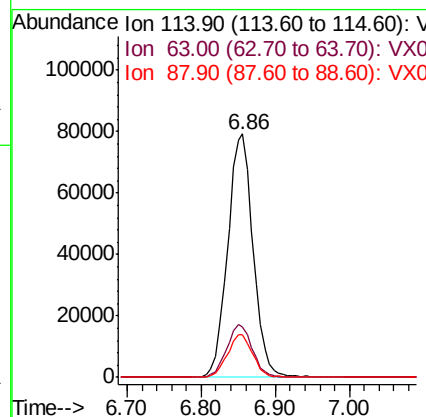
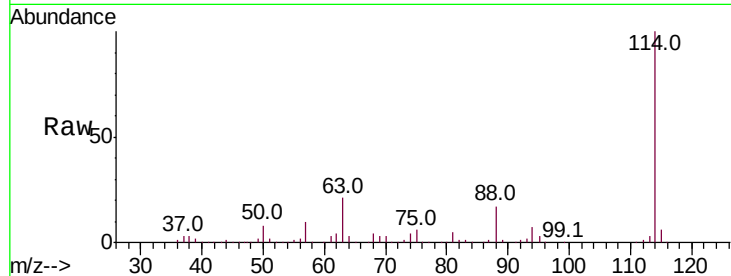
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VX012416.D
 Acq: 16 Sep 2019 19:29

Instrument :
 MSVOA_X
 ClientSampled :
 S13-0272

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	20.6	0.0	42.4
88	17.3	0.0	33.4

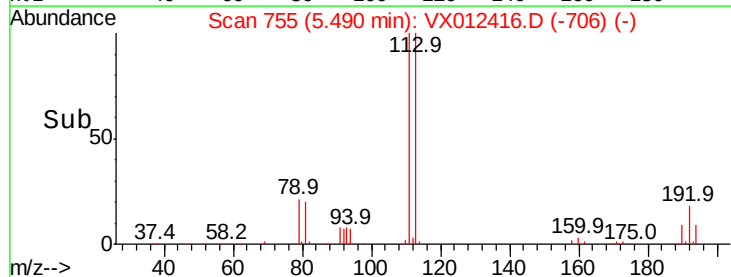
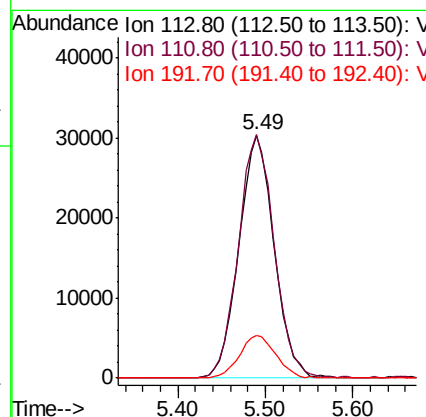
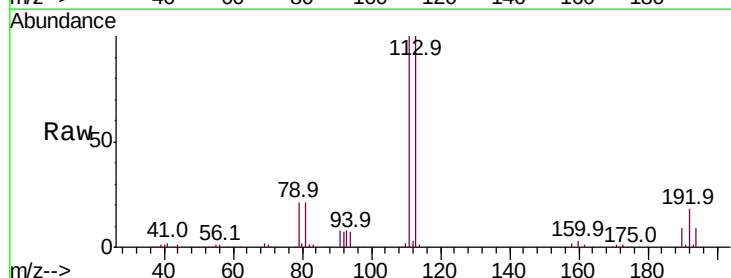
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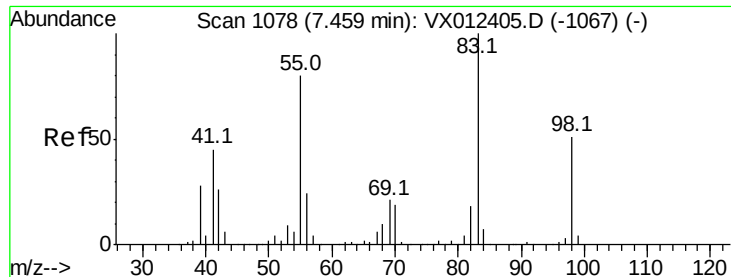
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#35
 Dibromofluoromethane
 Concen: 46.341 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012416.D
 Acq: 16 Sep 2019 19:29

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	102.2	81.8	122.6
192	18.1	15.0	22.4





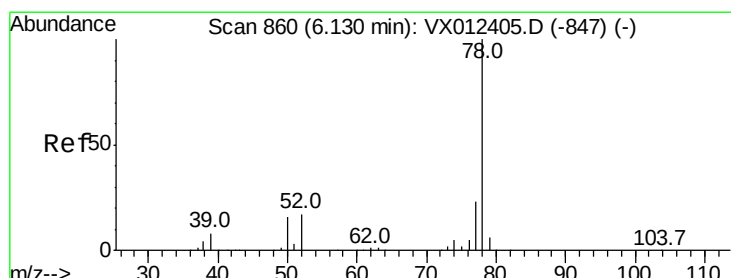
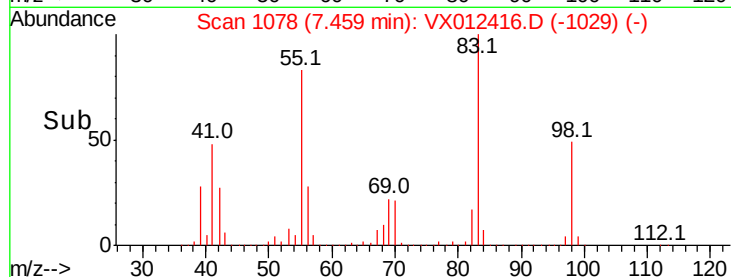
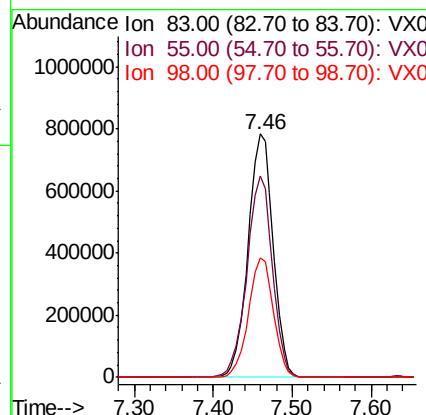
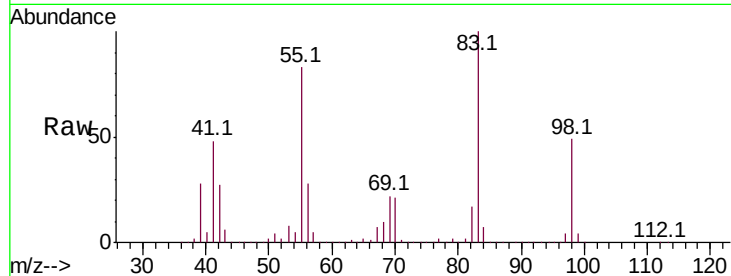
#39
Methylvlcyclohexane
Concen: 1031.658 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX012416.D
Acq: 16 Sep 2019 19:29

Instrument :
MSVOA_X
ClientSampled :
S13-0272

Tot Ion: 83 Resp: 1727046
Ion Ratio Lower Upper
83 100
55 82.5 63.8 95.6
98 49.0 40.6 61.0

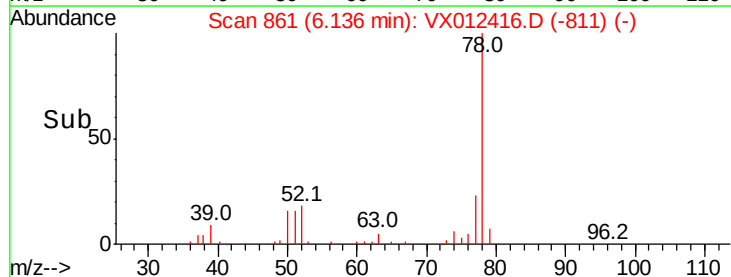
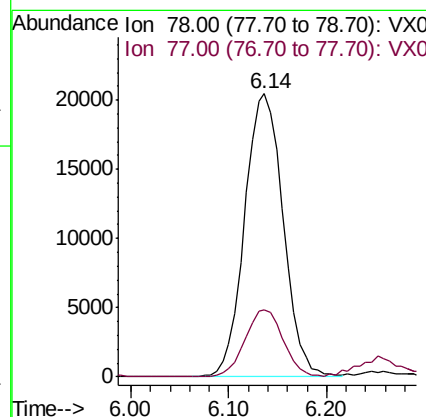
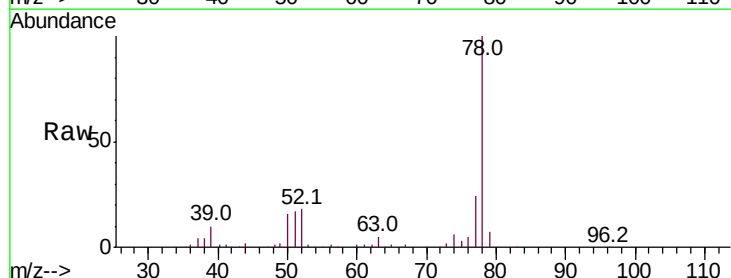
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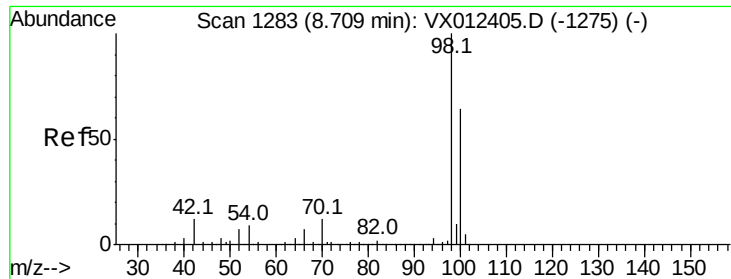
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#40
Benzene
Concen: 10.468 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012416.D
Acq: 16 Sep 2019 19:29

Tgt Ion: 78 Resp: 56219
Ion Ratio Lower Upper
78 100
77 23.6 18.2 27.2





#50

Toluene-d8

Concen: 48.516 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012416.D

Acq: 16 Sep 2019 19:29

Instrument :

MSVOA_X

ClientSampled :

S13-0272

Tot Ion: 98 Resp: 314533

Ion Ratio Lower Upper

98 100

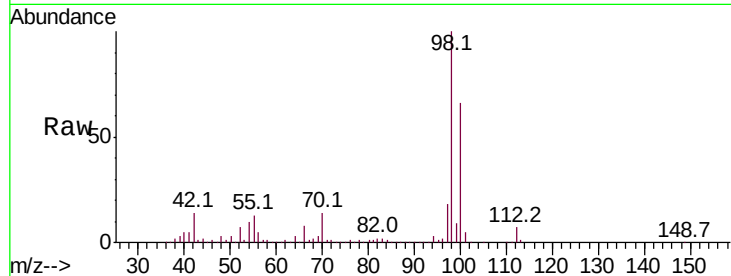
100 65.3 54.4 81.6

Manual Integrations

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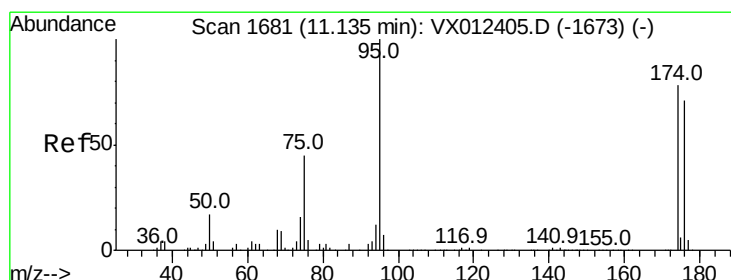
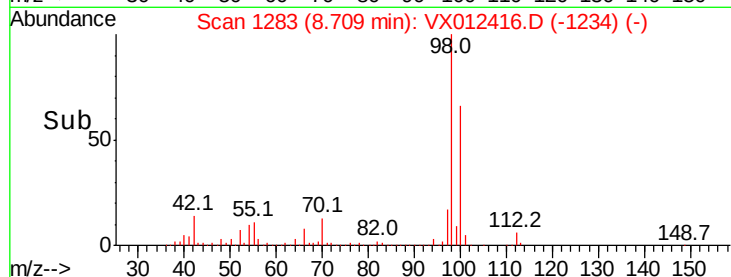
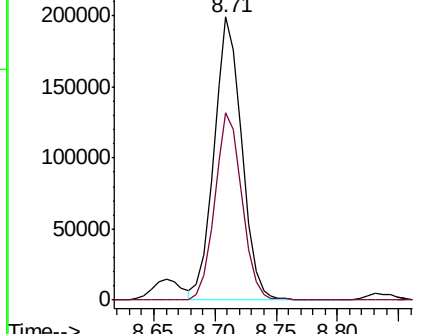
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Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 44.424 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012416.D

Acq: 16 Sep 2019 19:29

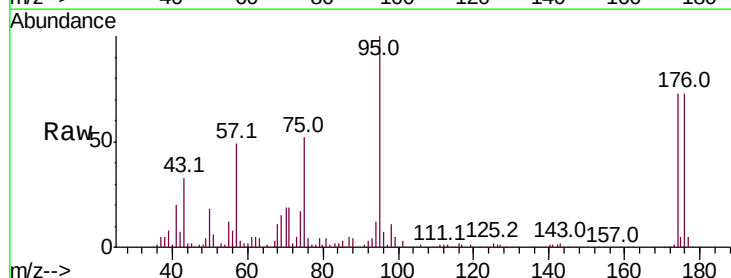
Tgt Ion: 95 Resp: 121167

Ion Ratio Lower Upper

95 100

174 70.4 0.0 146.0

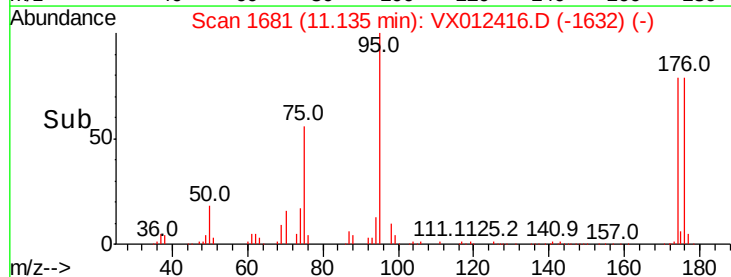
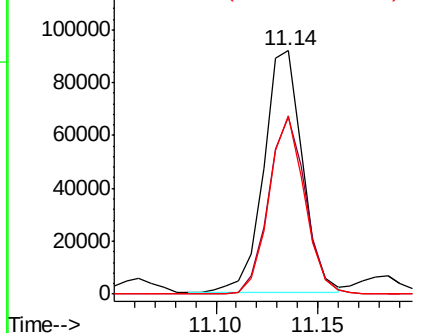
176 68.0 0.0 137.6

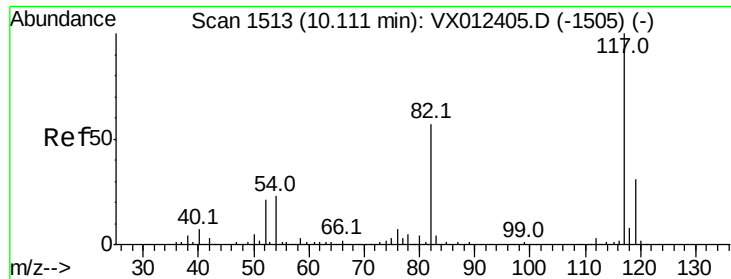


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





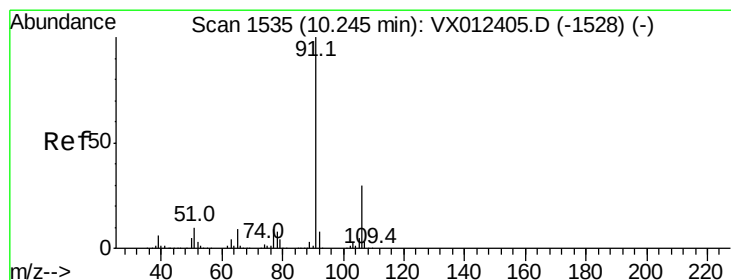
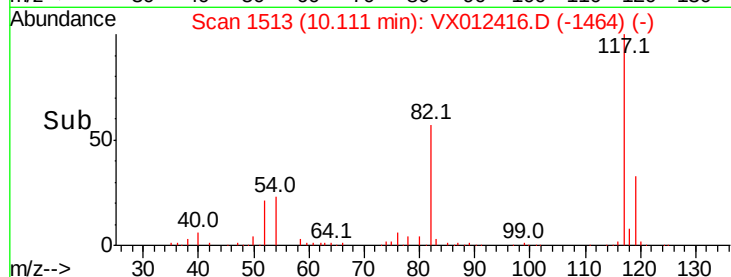
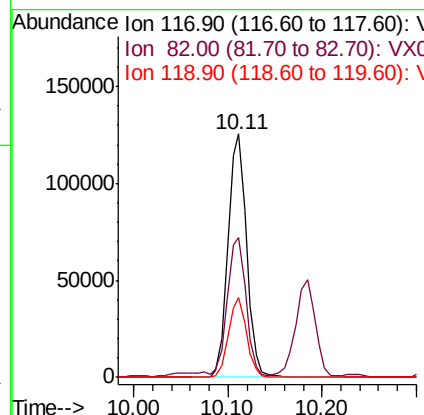
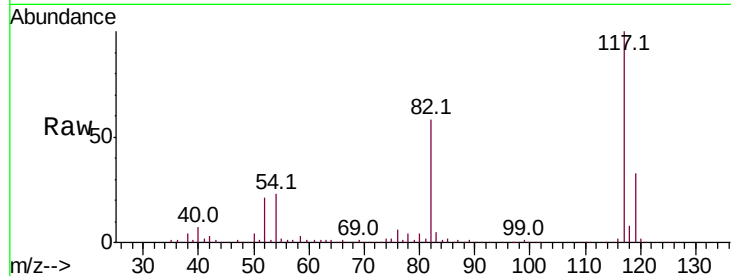
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012416.D
Acq: 16 Sep 2019 19:29

Instrument :
MSVOA_X
ClientSampleId :
S13-0272

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.7	45.8	68.6
119	32.9	24.9	37.3

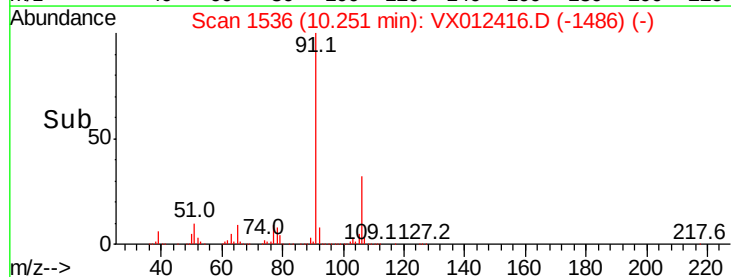
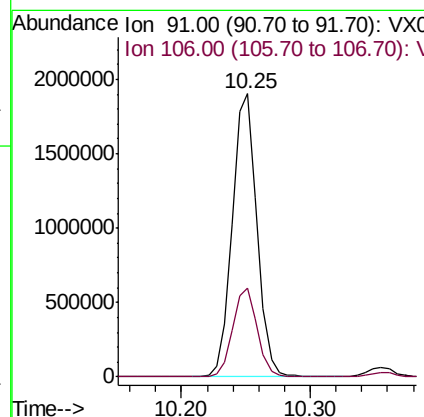
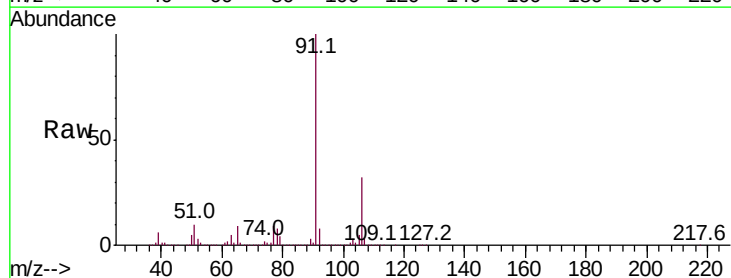
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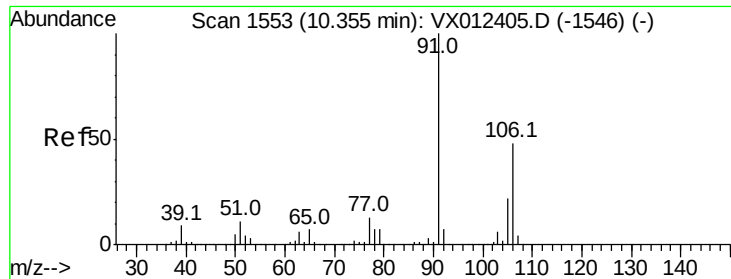
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#67
Ethyl Benzene
Concen: 375.309 ug/l
RT: 10.25 min Scan# 1536
Delta R.T. 0.01 min
Lab File: VX012416.D
Acq: 16 Sep 2019 19:29

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.5	24.0	36.0





#68

m/p-Xylenes

Concen: 16.906 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX012416.D

Acq: 16 Sep 2019 19:29

Instrument :

MSVOA_X

ClientSampled :

S13-0272

Tot Ion:106 Resp: 42577

Ion Ratio Lower Upper

106 100

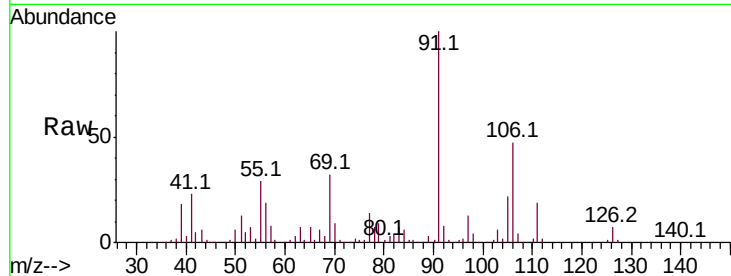
91 212.9 167.4 251.0

Manual Integrations

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

500000

400000

300000

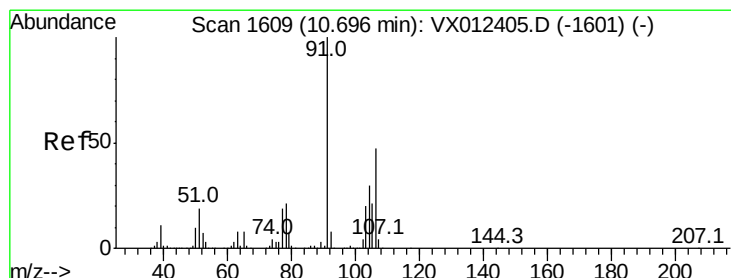
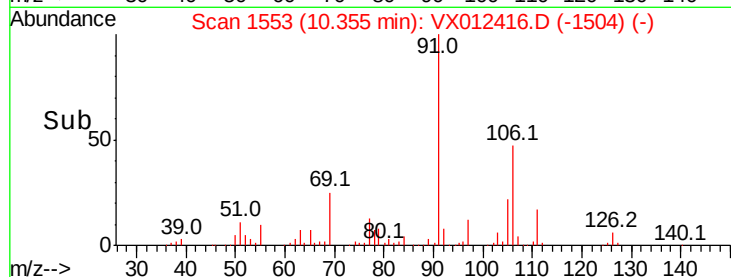
200000

100000

0

10.30 10.36 10.40

Time-->



#69

o-Xylene

Concen: 1.267 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. 0.00 min

Lab File: VX012416.D

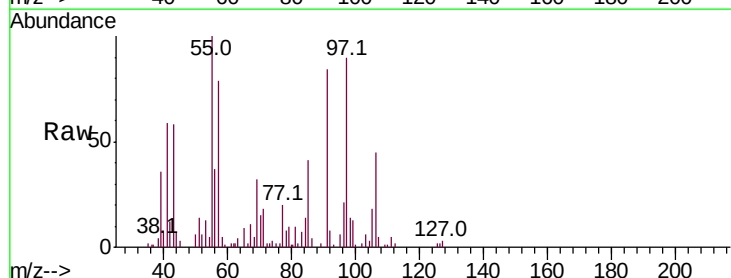
Acq: 16 Sep 2019 19:29

Tgt Ion:106 Resp: 3310

Ion Ratio Lower Upper

106 100

91 194.3 107.8 323.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

5000

4000

3000

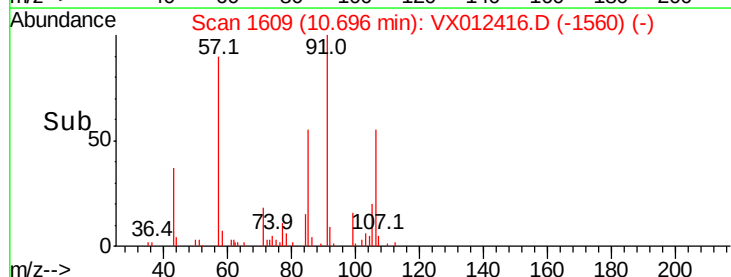
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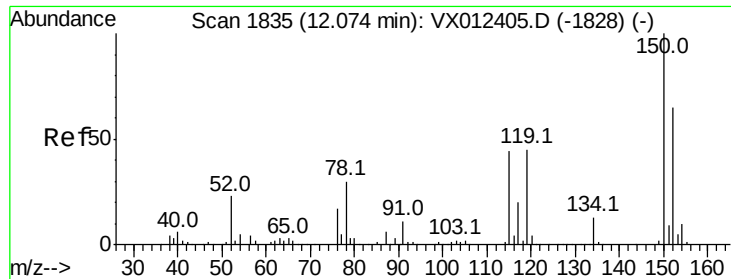
1000

0

10.65 10.70 10.75

Time-->





#72

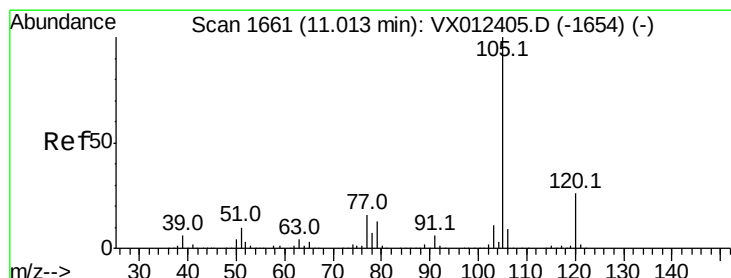
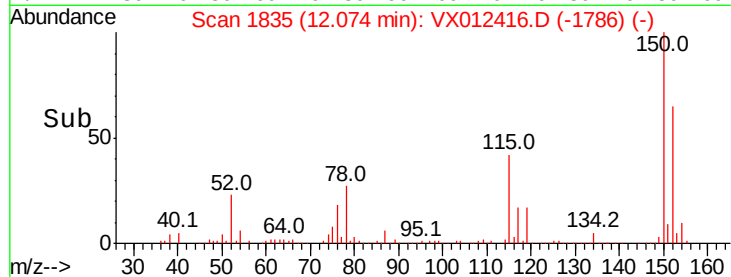
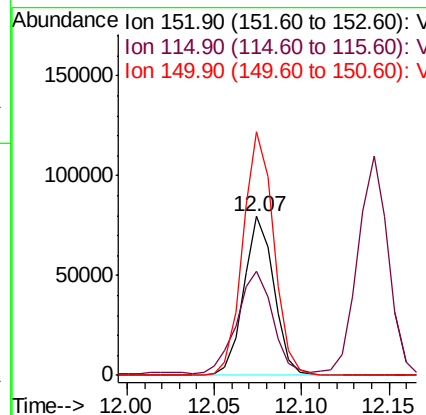
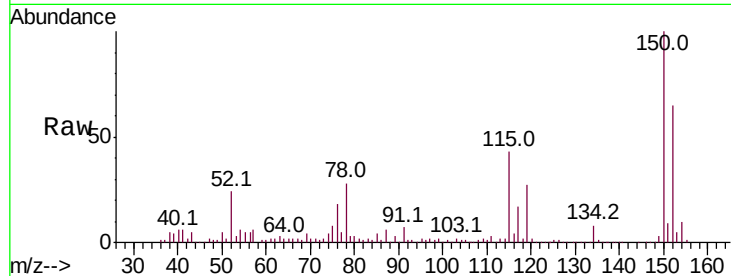
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012416.D
Acq: 16 Sep 2019 19:29

Instrument :
MSVOA_X
ClientSampleId :
S13-0272

Tot Ion	Ratio	Lower	Upper
152	100		
115	75.5	45.3	135.9
150	156.4	0.0	354.0

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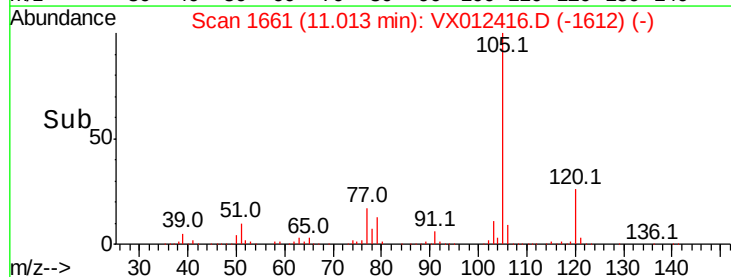
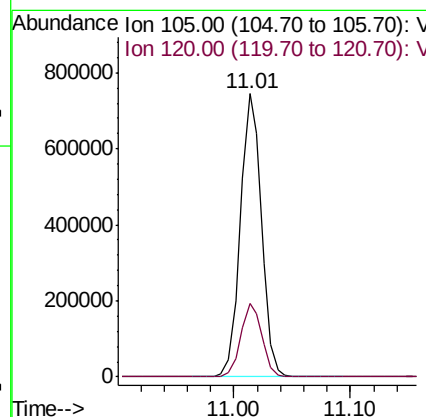
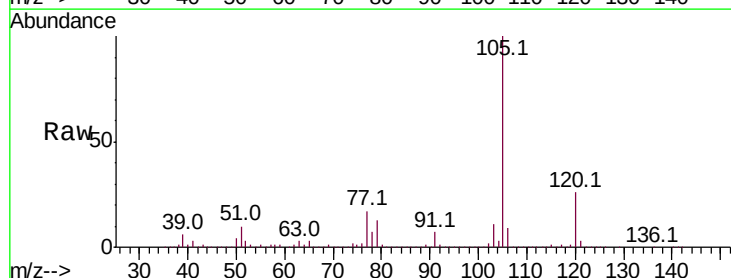
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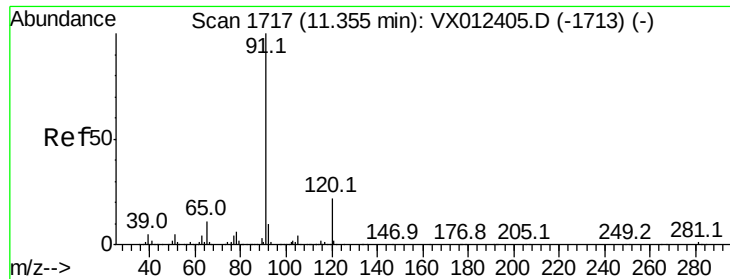


#73

Isopropylbenzene
Concen: 142.877 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX012416.D
Acq: 16 Sep 2019 19:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.6





#78

n-propylbenzene

Concen: 179.706 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012416.D

Acq: 16 Sep 2019 19:29

Instrument :

MSVOA_X

ClientSampled :

S13-0272

Tot Ion: 91 Resp: 1338783

Ion Ratio Lower Upper

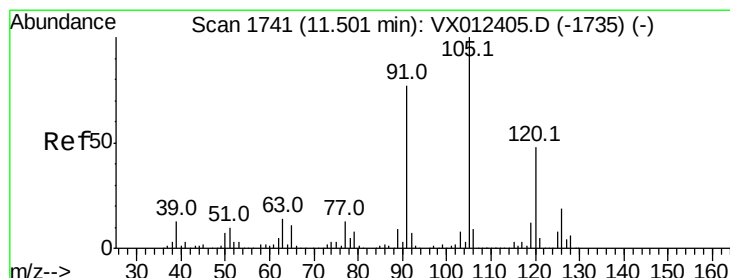
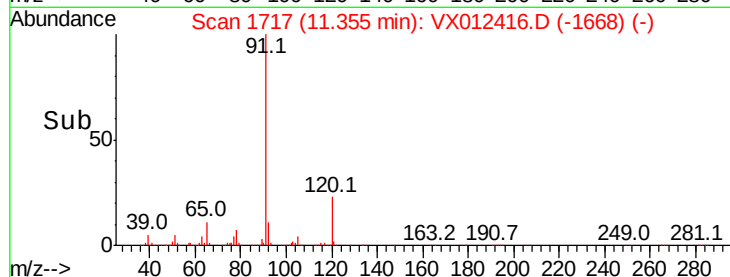
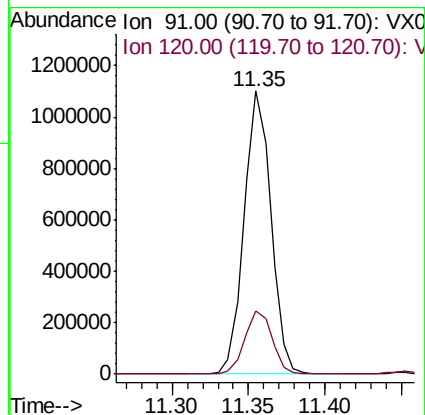
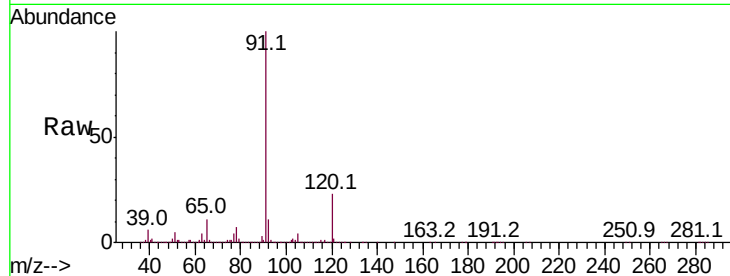
91 100

120 22.8 11.5 34.4

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#80

1,3,5-Trimethylbenzene

Concen: 140.035 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX012416.D

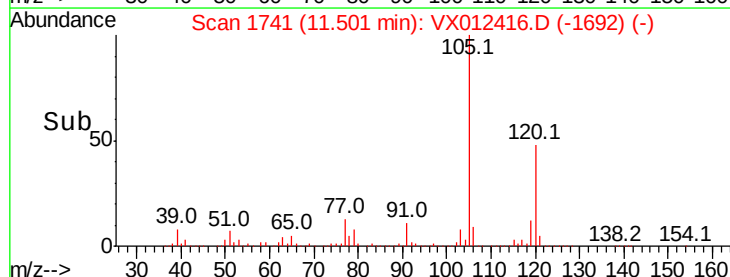
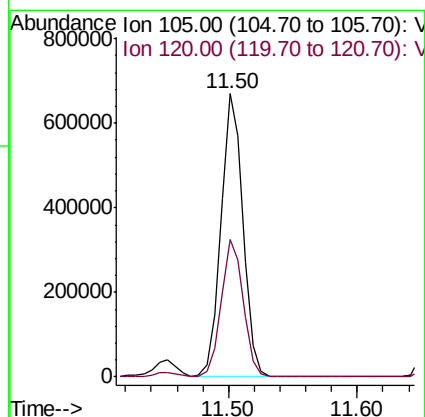
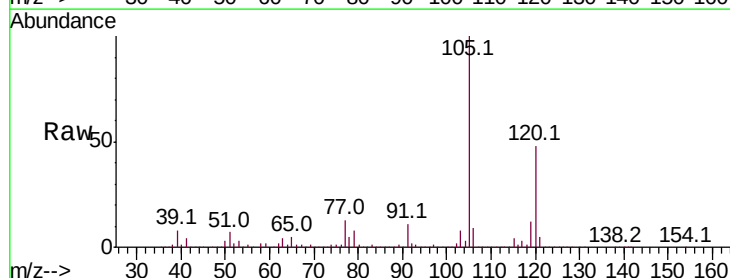
Acq: 16 Sep 2019 19:29

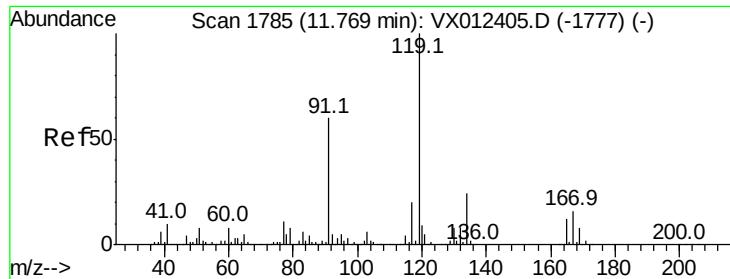
Tgt Ion:105 Resp: 803821

Ion Ratio Lower Upper

105 100

120 48.7 24.3 72.9





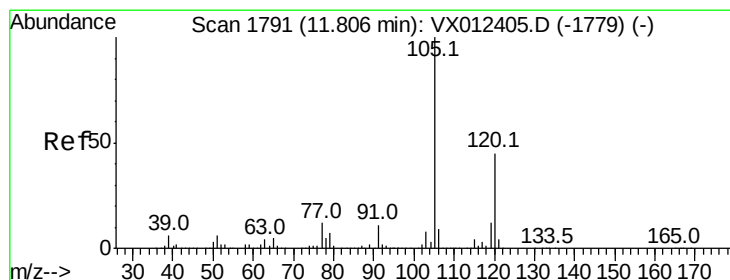
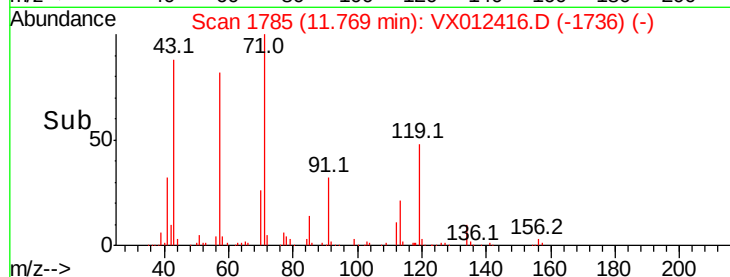
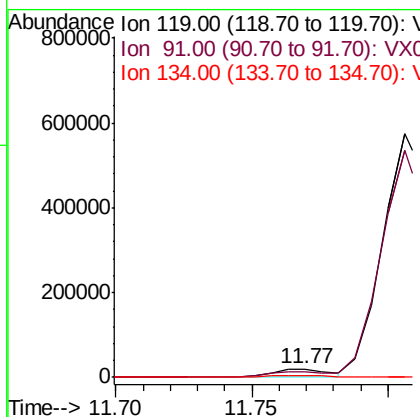
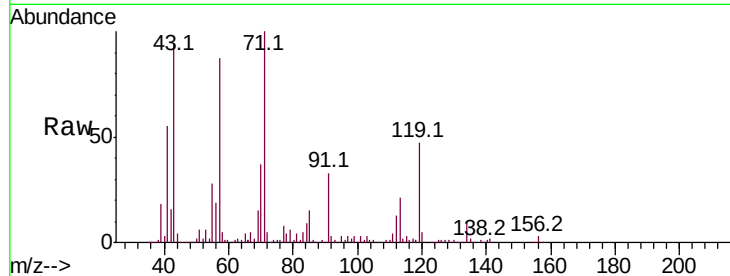
#83
tert-Butylbenzene
Concen: 4.732 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VX012416.D
Acq: 16 Sep 2019 19:29

Instrument :
MSVOA_X
ClientSampleId :
S13-0272

Tot Ion	Ratio	Lower	Upper
119	100		
91	0.0	29.6	88.8#
134	22.8	11.4	34.1

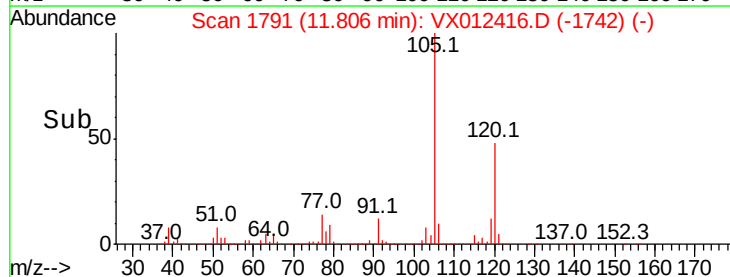
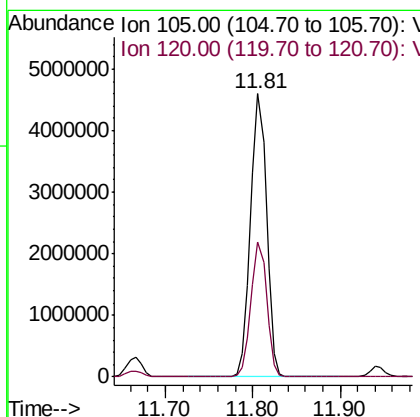
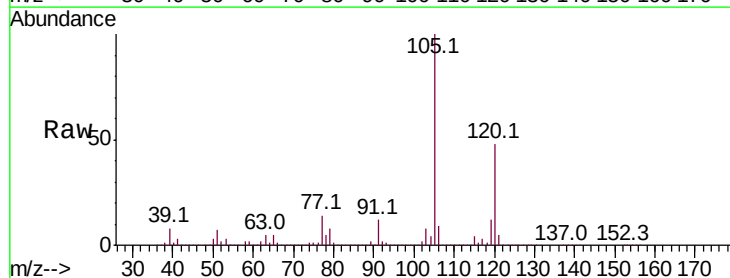
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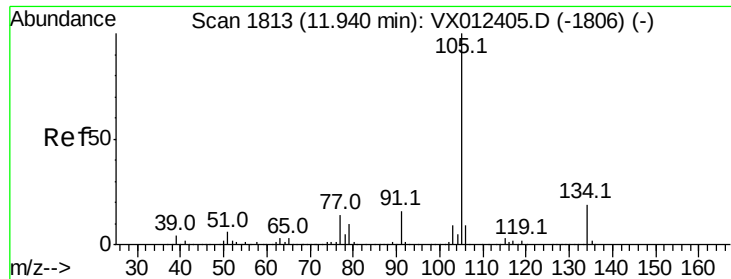
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#84
1,2,4-Trimethylbenzene
Concen: 996.034 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX012416.D
Acq: 16 Sep 2019 19:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	22.1	66.5





#85

sec-Butylbenzene

Concen: 31.119 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012416.D

Acq: 16 Sep 2019 19:29

Instrument :

MSVOA_X

ClientSampleId :

S13-0272

Tot Ion:105 Resp: 209467

Ion Ratio Lower Upper

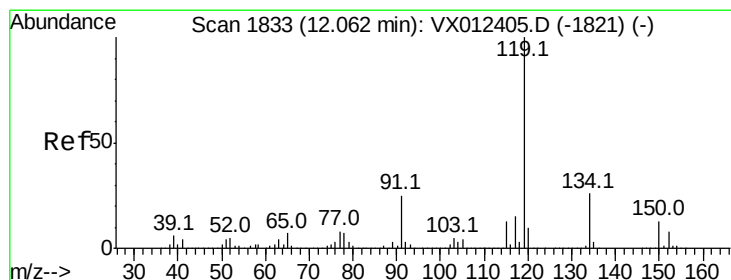
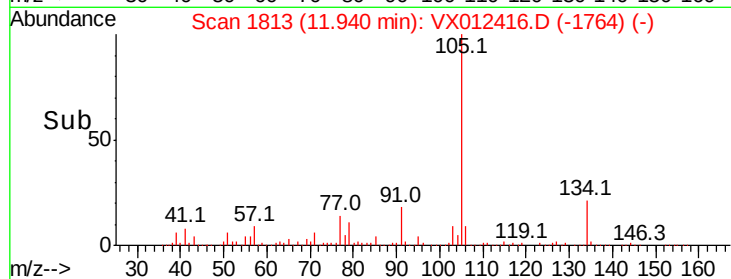
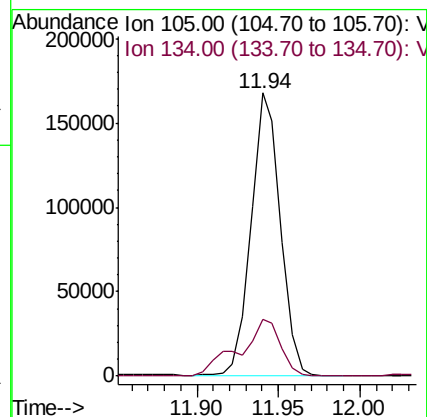
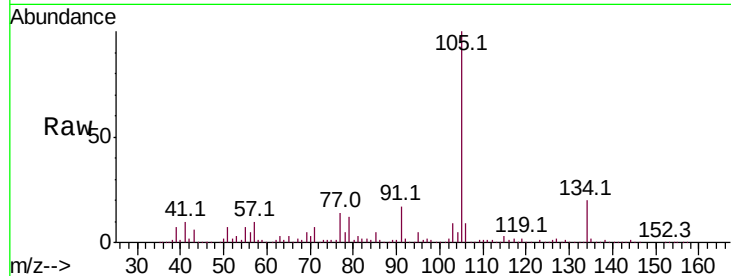
105 100

134 28.4 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 23.781 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012416.D

Acq: 16 Sep 2019 19:29

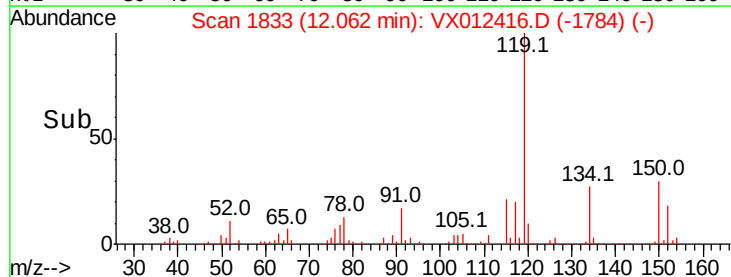
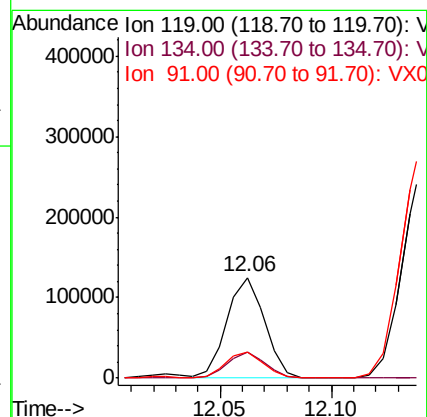
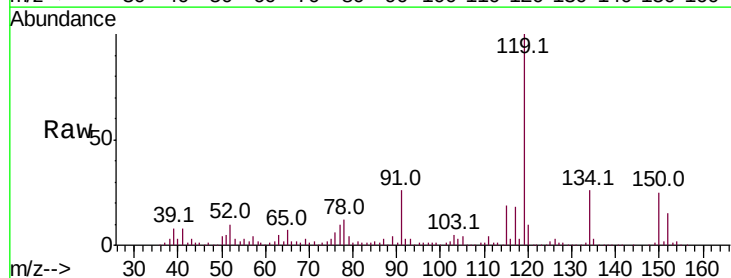
Tgt Ion:119 Resp: 146656

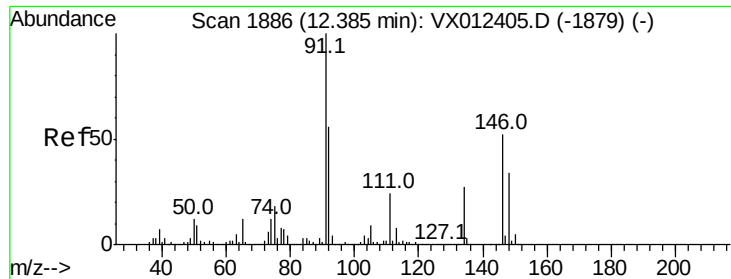
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.6

91 26.3 12.9 38.6





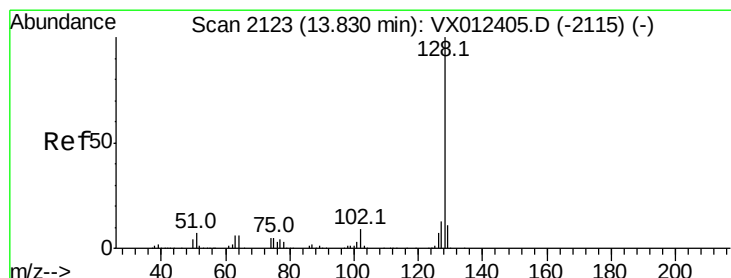
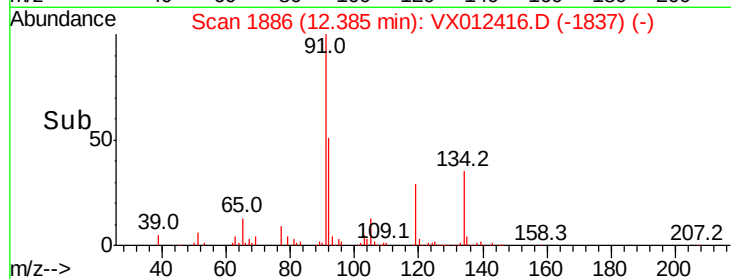
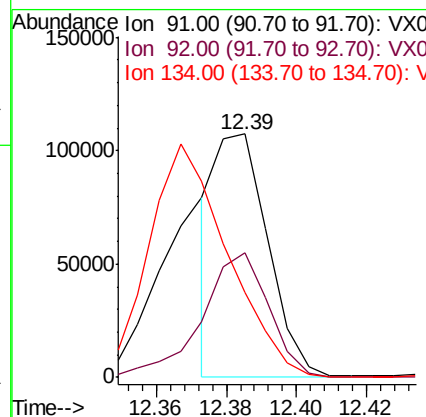
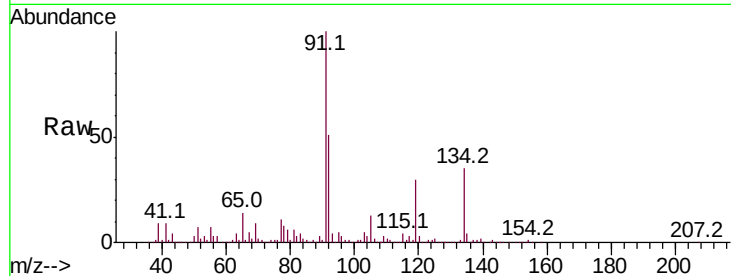
#89
n-Butylbenzene
Concen: 20.552 ug/l m
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX012416.D
Acq: 16 Sep 2019 19:29

Instrument :
MSVOA_X
ClientSampled :
S13-0272

Tot Ion	Ratio	Resp	Lower	Upper
91	100	111928		
92	65.4	27.5	82.4	
134	143.6	13.2	39.6#	

Manual Integrations
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#95
Naphthalene
Concen: 268.844 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012416.D
Acq: 16 Sep 2019 19:29

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	2172532		
127	13.0	10.2	15.4	
129	11.3	8.6	13.0	

