

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091619\
 Data File : VX012422.D
 Acq On : 16 Sep 2019 21:49
 Operator : JC/SP
 Sample : K4830-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282

Manual Integrations
 APPROVED

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 9/18/2019 12:02:47 PM

Quant Time: Sep 17 05:43:04 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	117623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	187857	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	174465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	100688	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	120698	50.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.16%	
35) Dibromofluoromethane	5.48	113	84310	46.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.66%	
50) Toluene-d8	8.71	98	315456	48.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.70%	
62) 4-Bromofluorobenzene	11.14	95	128418	47.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.54%	
Target Compounds						
					Qvalue	
16) Acetone	2.44	43	2898	2.677	ug/l	98
31) Cyclohexane	5.58	56	82154	49.615	ug/l	97
39) Methylcyclohexane	7.46	83	168975	101.337	ug/l	93
67) Ethyl Benzene	10.25	91	28403	4.086	ug/l	99
68) m/p-Xylenes	10.35	106	33331	12.989	ug/l	99
69) o-Xylene	10.70	106	4754	1.787	ug/l	94
73) Isopropylbenzene	11.01	105	584917	83.616	ug/l	100
78) n-propylbenzene	11.35	91	655247	82.883	ug/l	99
83) tert-Butylbenzene	11.76	119	17294	2.677	ug/l	82
84) 1,2,4-Trimethylbenzene	11.81	105	1498292	242.409	ug/l	99
85) sec-Butylbenzene	11.94	105	112096	15.693	ug/l	83
86) p-Isopropyltoluene	12.06	119	30239	4.621	ug/l	96
89) n-Butylbenzene	12.39	91	27619m	4.779	ug/l	
95) Naphthalene	13.83	128	345852	40.631	ug/l	98

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

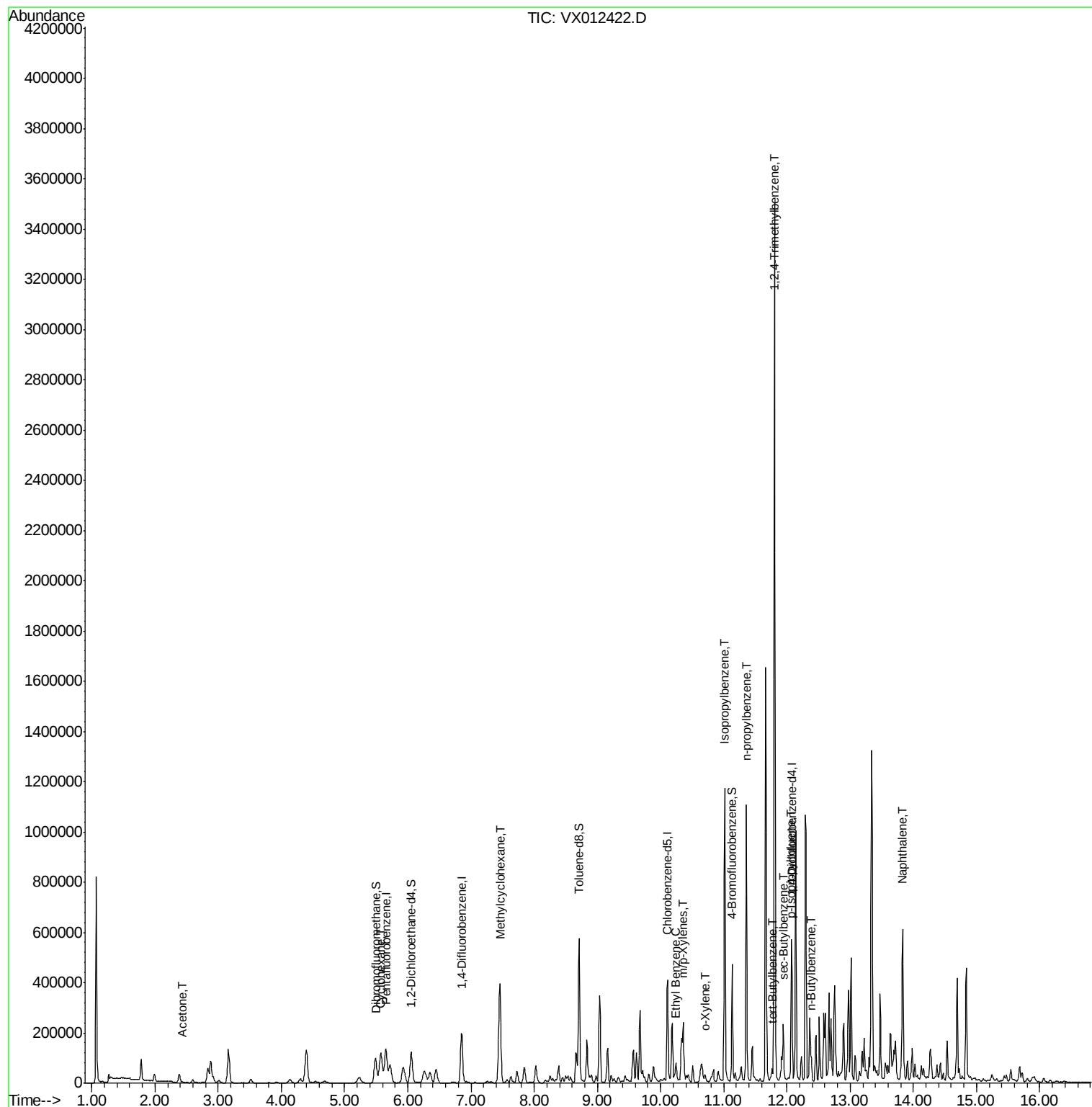
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091619\
Data File : VX012422.D
Acq On : 16 Sep 2019 21:49
Operator : JC/SP
Sample : K4830-11
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

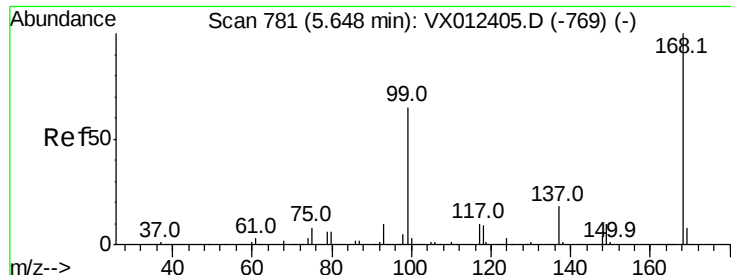
Instrument :
MSVOA_X
ClientSampleId :
S13-0282

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Quant Time: Sep 17 05:43:04 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: VX012422.D

Acq: 16 Sep 2019 21:49

Instrument :

MSVOA_X

ClientSampleId :

S13-0282

Tot Ion:168 Resp: 117623

Ion Ratio Lower Upper

168 100

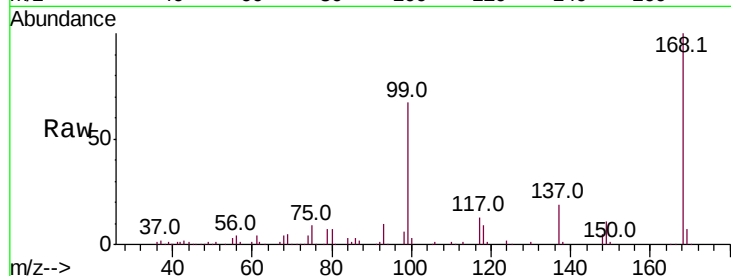
99 67.3 51.8 77.6

Manual Integrations

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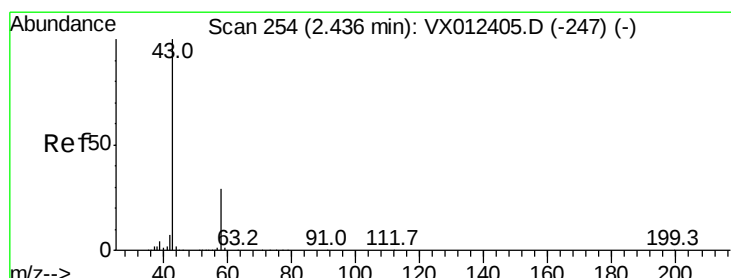
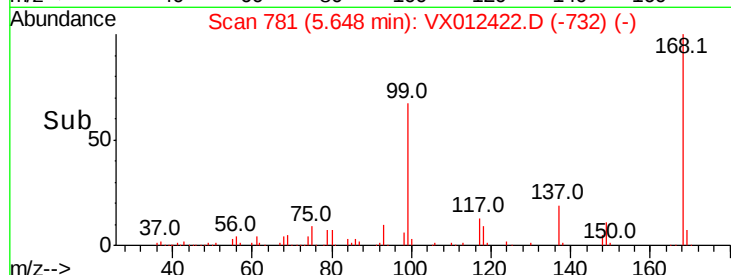
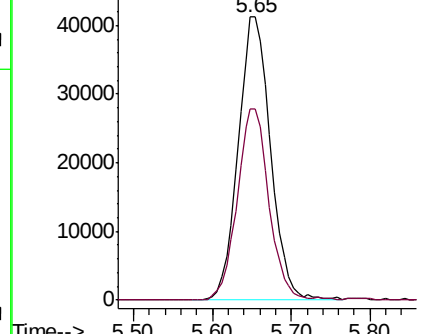
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 2.677 ug/l

RT: 2.44 min Scan# 254

Delta R.T. -0.00 min

Lab File: VX012422.D

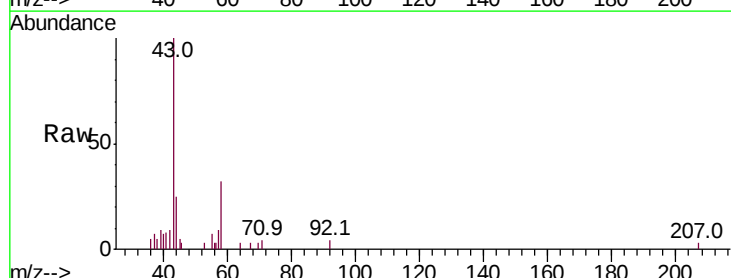
Acq: 16 Sep 2019 21:49

Tgt Ion: 43 Resp: 2898

Ion Ratio Lower Upper

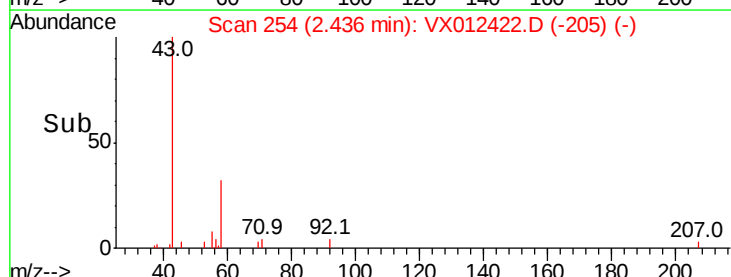
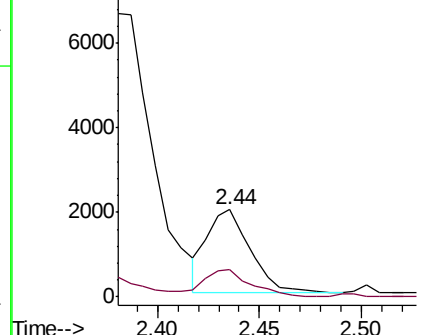
43 100

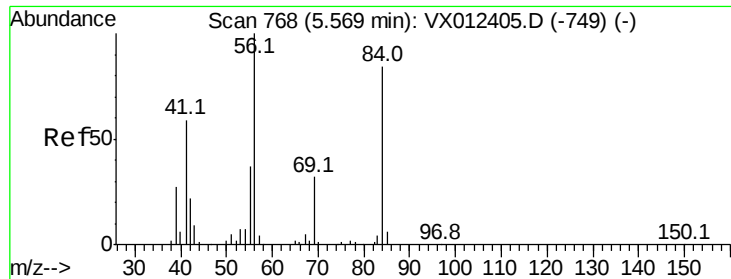
58 30.6 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





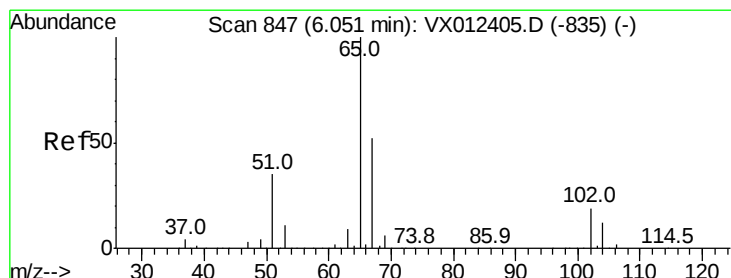
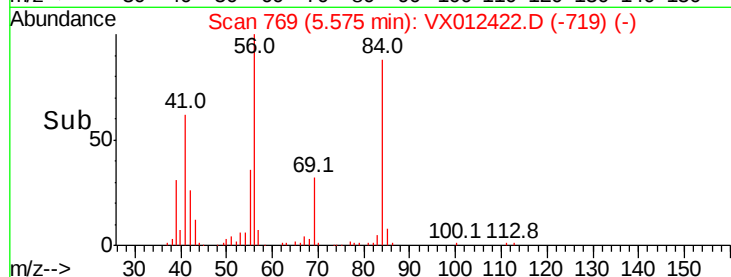
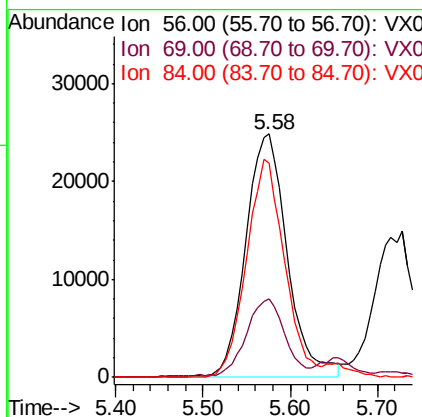
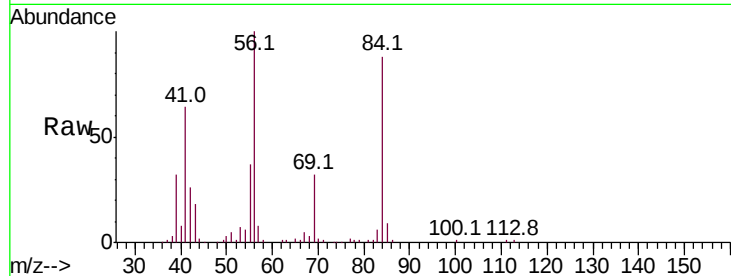
#31
Cyclohexane
Concen: 49.615 ug/l
RT: 5.58 min Scan# 769
Delta R.T. 0.01 min
Lab File: VX012422.D
Acq: 16 Sep 2019 21:49

Instrument :
MSVOA_X
ClientSampleId :
S13-0282

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.4	24.9	37.3
84	87.7	67.2	100.8

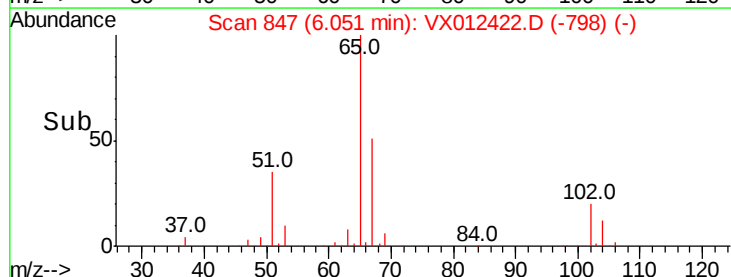
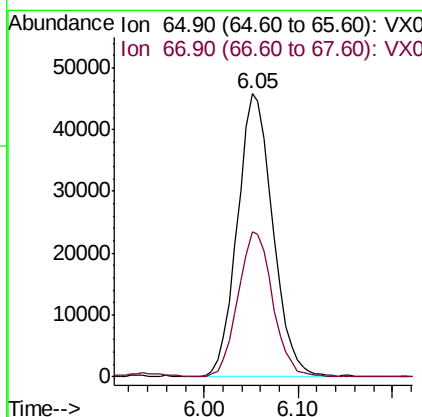
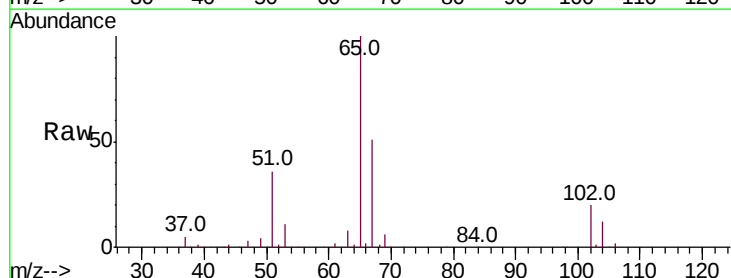
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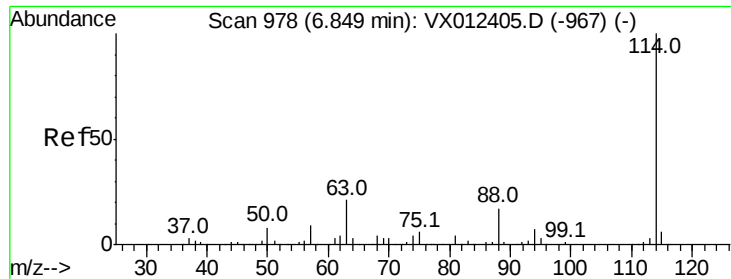
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#33
1,2-Dichloroethane-d4
Concen: 50.080 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012422.D
Acq: 16 Sep 2019 21:49

Tgt Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	102.8





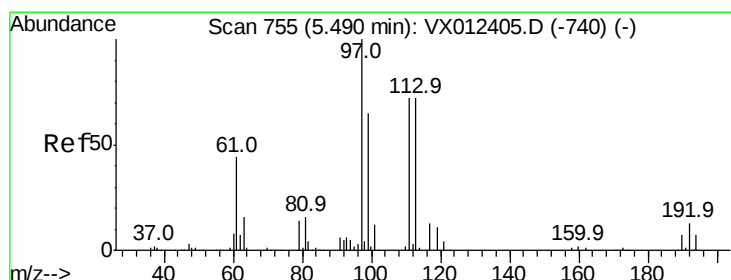
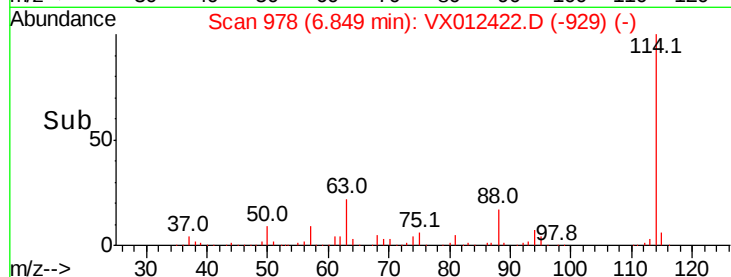
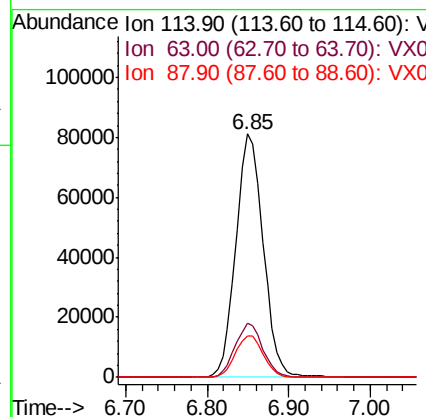
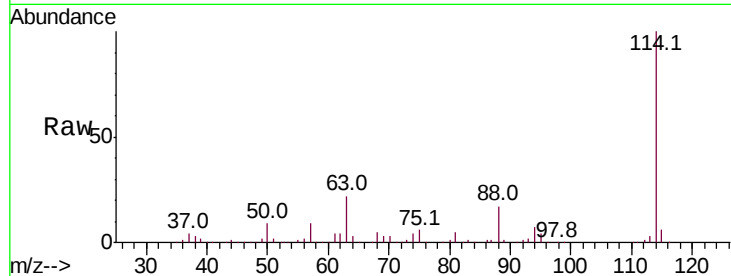
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012422.D
 Acq: 16 Sep 2019 21:49

Instrument :
 MSVOA_X
 ClientSampled :
 S13-0282

Tot Ion:	114	Resp:	187857
Ion Ratio	Lower	Upper	
114	100		
63	22.2	0.0	42.4
88	16.9	0.0	33.4

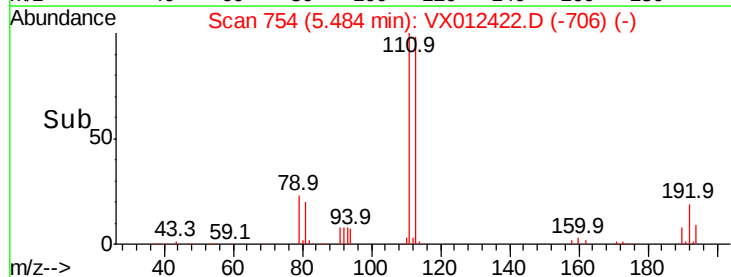
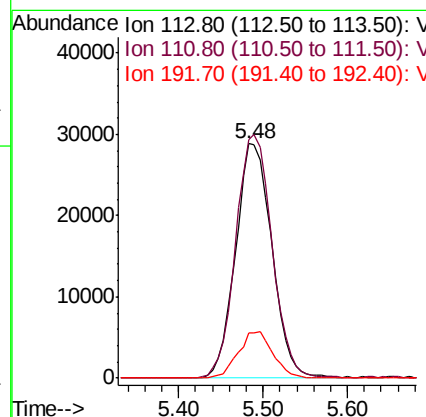
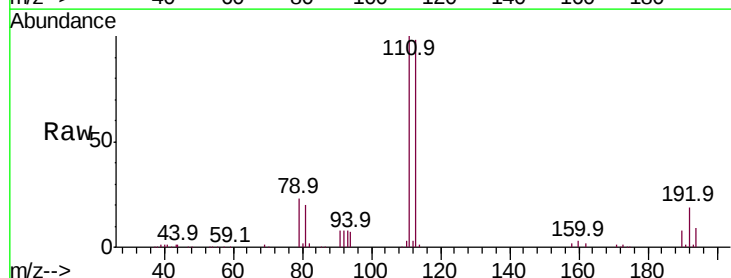
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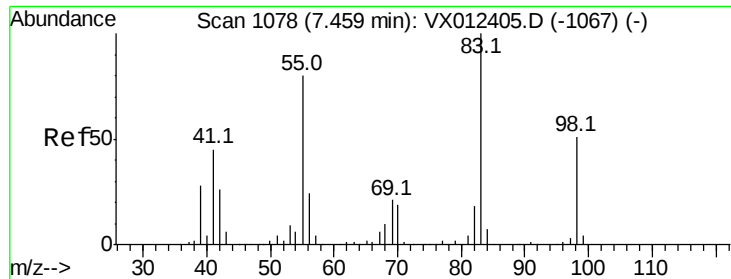
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#35
 Dibromofluoromethane
 Concen: 46.331 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX012422.D
 Acq: 16 Sep 2019 21:49

Tgt Ion:	113	Resp:	84310
Ion Ratio	Lower	Upper	
113	100		
111	104.0	81.8	122.6
192	19.0	15.0	22.4





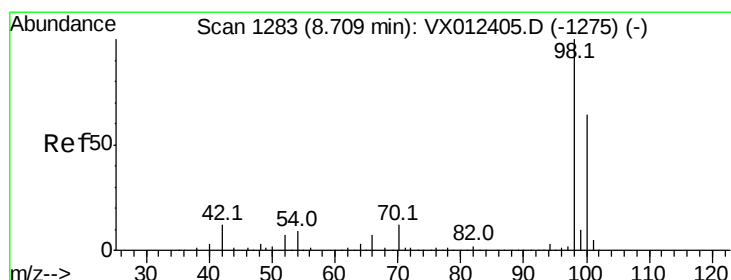
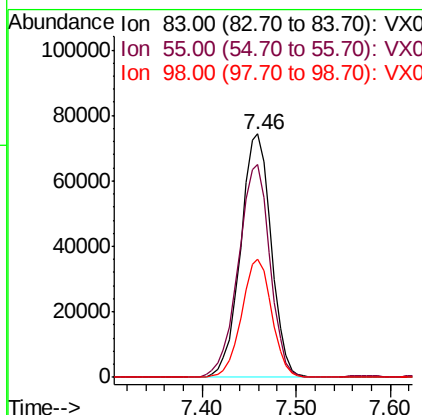
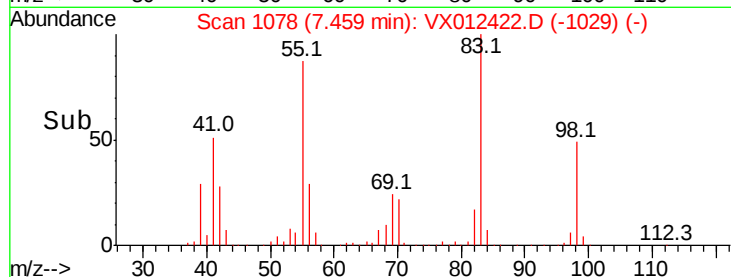
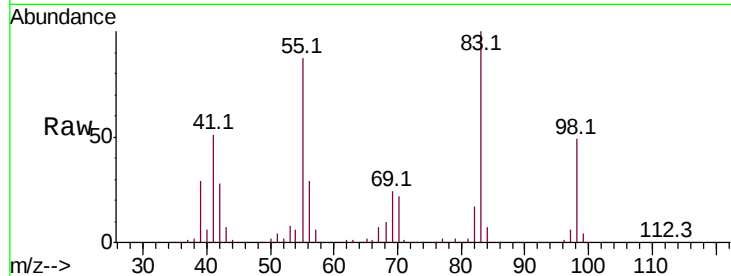
#39
Methvlcvclohexane
Concen: 101.337 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX012422.D
Acq: 16 Sep 2019 21:49

Instrument :
MSVOA_X
ClientSampled :
S13-0282

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.3	63.8	95.6
98	48.5	40.6	61.0

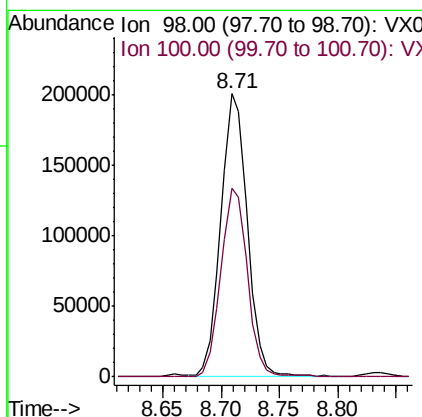
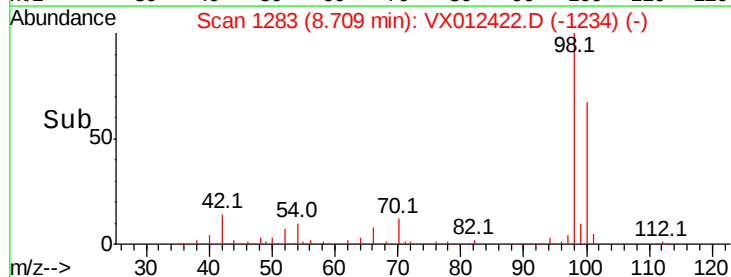
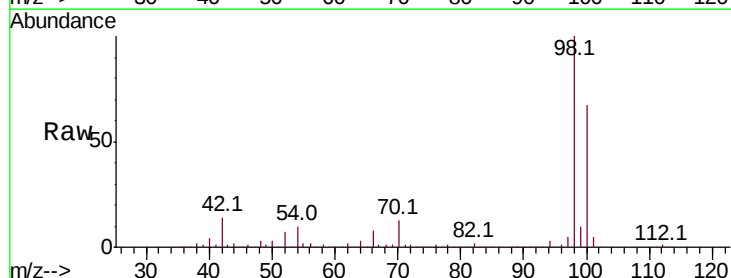
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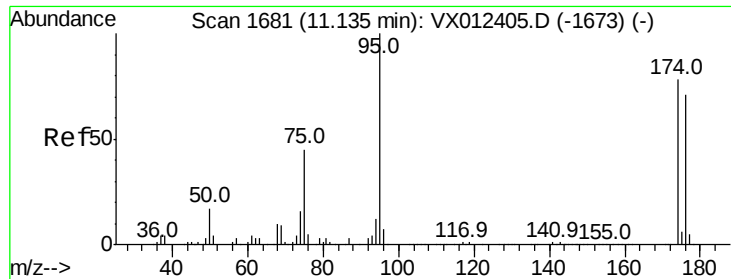
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#50
Toluene-d8
Concen: 48.851 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012422.D
Acq: 16 Sep 2019 21:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.6	54.4	81.6





#62

4-Bromofluorobenzene

Concen: 47.268 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012422.D

Acq: 16 Sep 2019 21:49

Instrument :

MSVOA_X

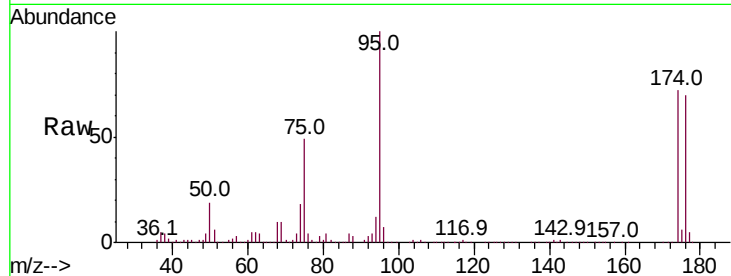
ClientSampled :

S13-0282

Tot Ion:	95	Resp:	128418
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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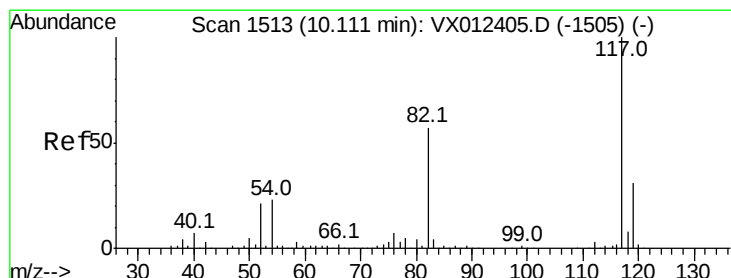
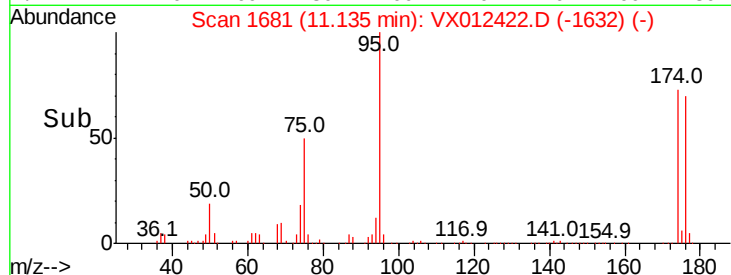


Abundance Ion 94.90 (94.60 to 95.60): VX012405.D (-1673) (-)

Ion 173.80 (173.50 to 174.50): VX012405.D (-1673) (-)

Ion 175.80 (175.50 to 176.50): VX012405.D (-1673) (-)

Time--> 11.05 11.10 11.15



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

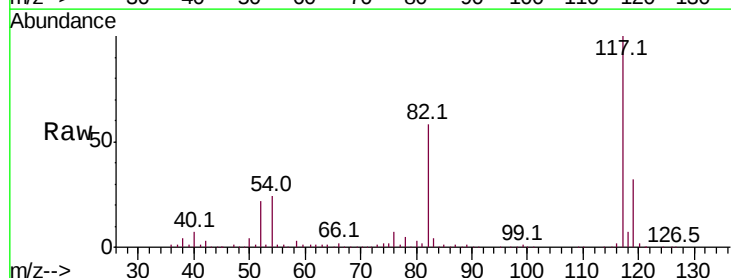
RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012422.D

Acq: 16 Sep 2019 21:49

Tgt Ion:	117	Resp:	174465
Ion Ratio	Lower	Upper	
117	100		
82	57.3	45.8	68.6
119	32.4	24.9	37.3

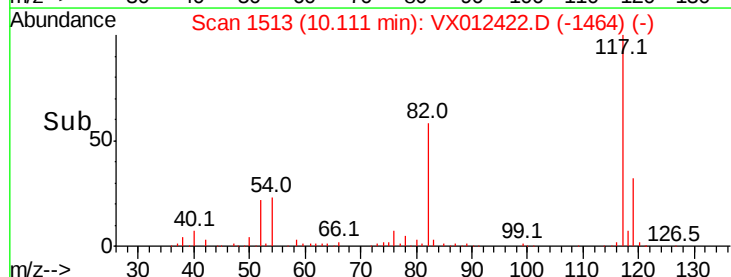


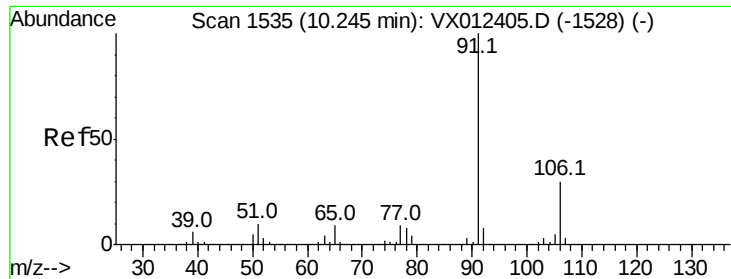
Abundance Ion 116.90 (116.60 to 117.60): VX012405.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX012405.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX012405.D (-1505) (-)

Time--> 10.00 10.10 10.20





#67

Ethyl Benzene

Concen: 4.086 ug/l

RT: 10.25 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VX012422.D

Acq: 16 Sep 2019 21:49

Instrument :

MSVOA_X

ClientSampleId :

S13-0282

Tot Ion: 91 Resp: 28403

Ion Ratio Lower Upper

91 100

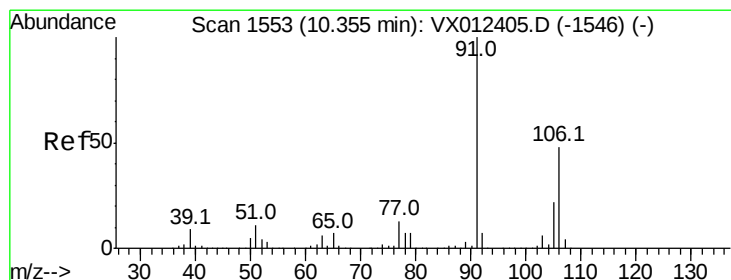
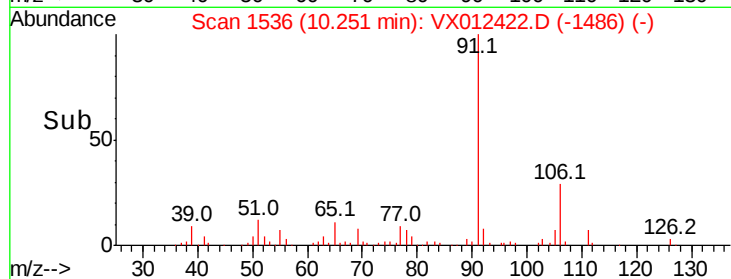
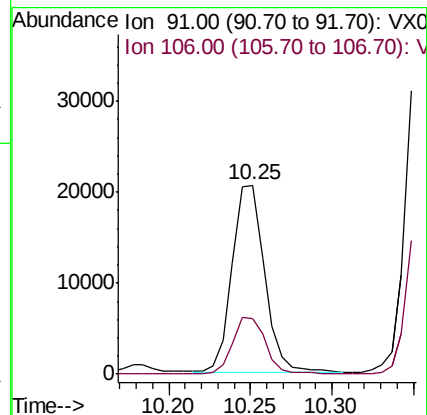
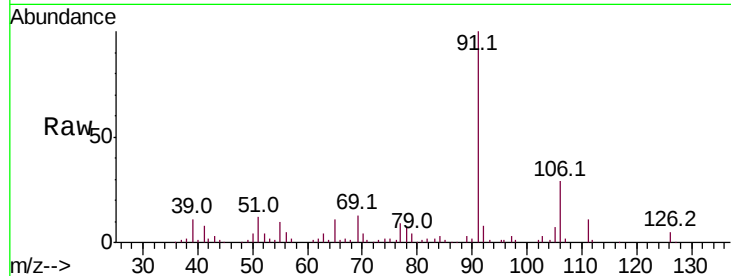
106 29.6 24.0 36.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 12.989 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX012422.D

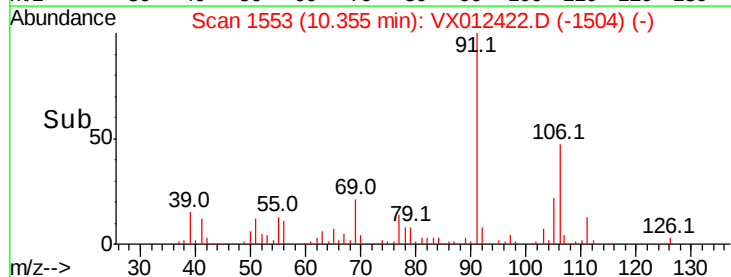
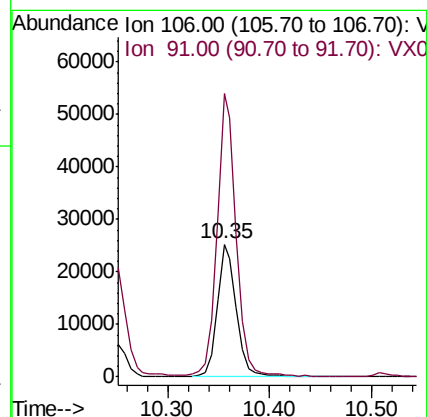
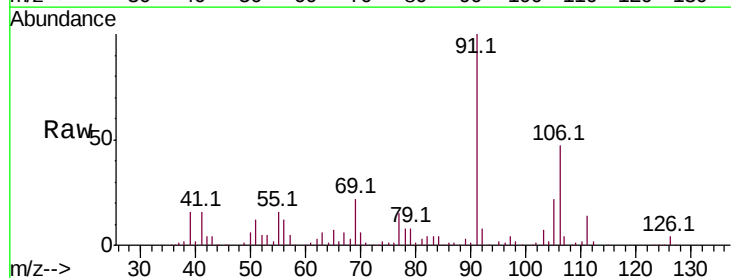
Acq: 16 Sep 2019 21:49

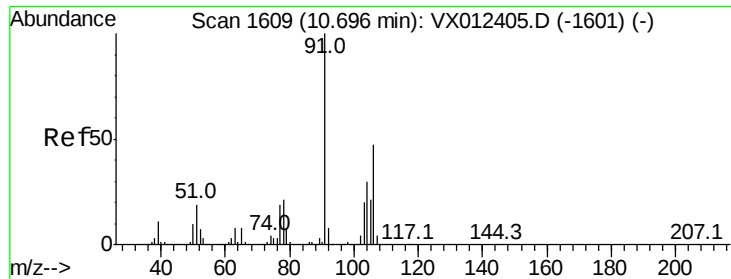
Tgt Ion: 106 Resp: 33331

Ion Ratio Lower Upper

106 100

91 211.0 167.4 251.0





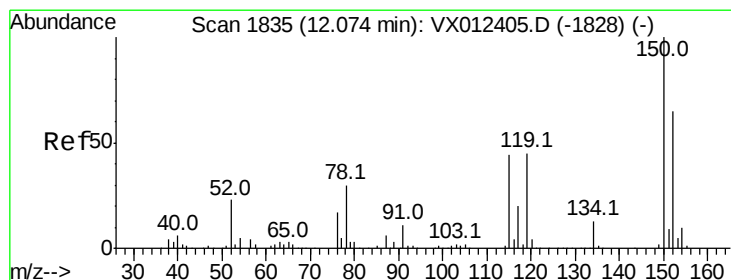
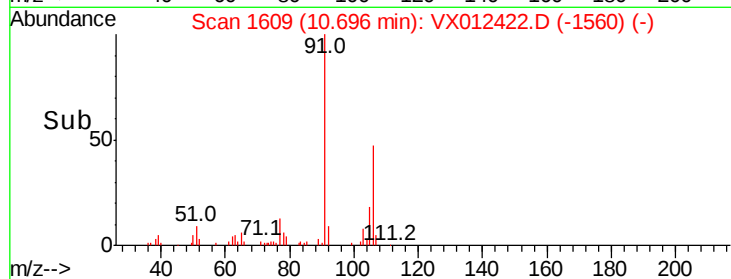
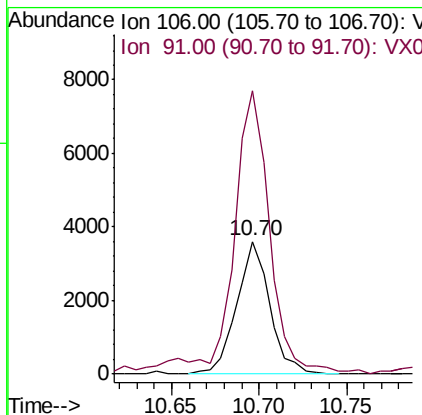
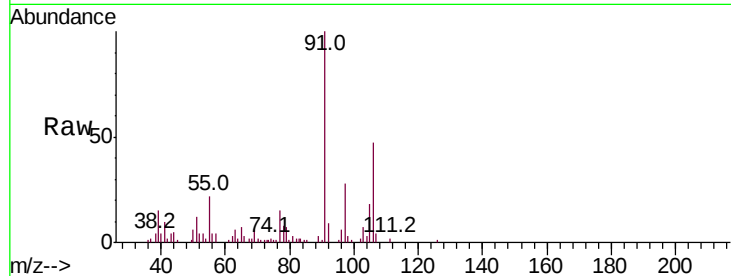
#69
o-Xylene
Concen: 1.787 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012422.D
Acq: 16 Sep 2019 21:49

Instrument :
MSVOA_X
ClientSampled :
S13-0282

Tot Ion:106 Resp: 4754
Ion Ratio Lower Upper
106 100
91 225.5 107.8 323.6

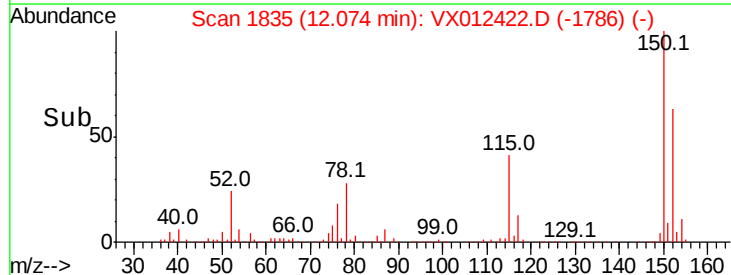
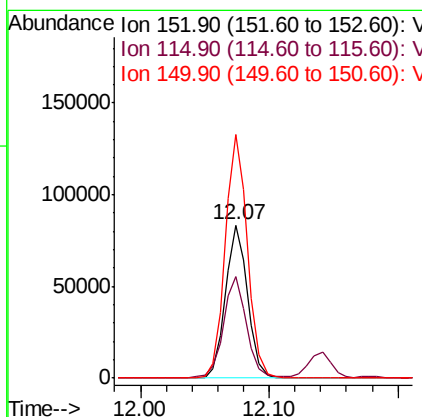
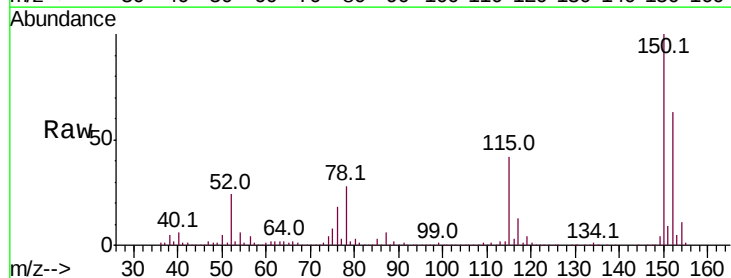
Manual Integrations
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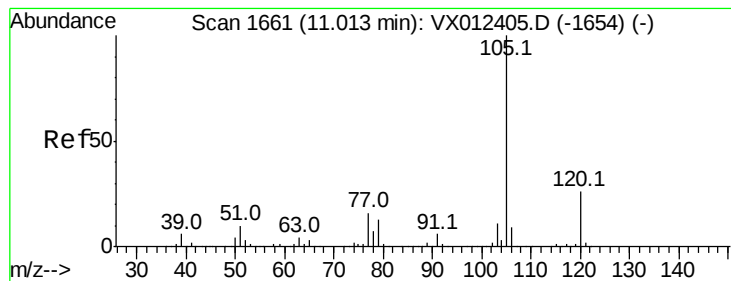
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012422.D
Acq: 16 Sep 2019 21:49

Tgt Ion:152 Resp: 100688
Ion Ratio Lower Upper
152 100
115 69.6 45.3 135.9
150 159.3 0.0 354.0





#73

Isopropylbenzene

Concen: 83.616 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012422.D

Acq: 16 Sep 2019 21:49

Instrument :

MSVOA_X

ClientSampled :

S13-0282

Tot Ion:105 Resp: 584917

Ion Ratio Lower Upper

105 100

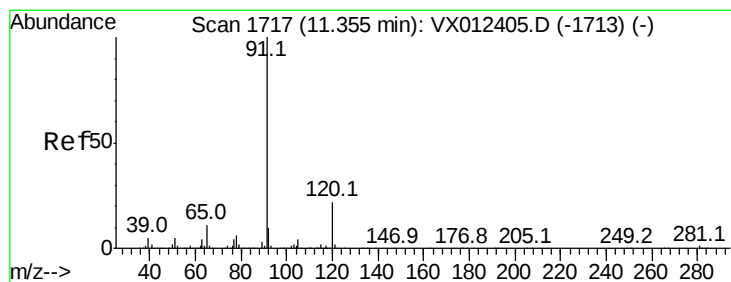
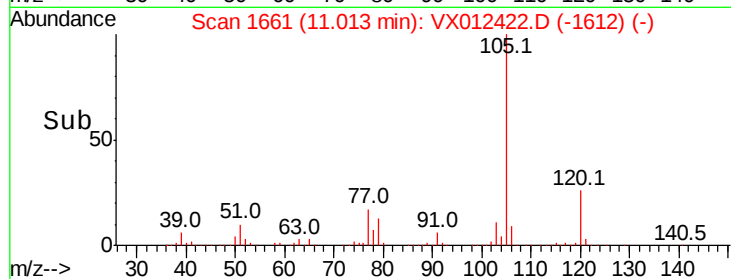
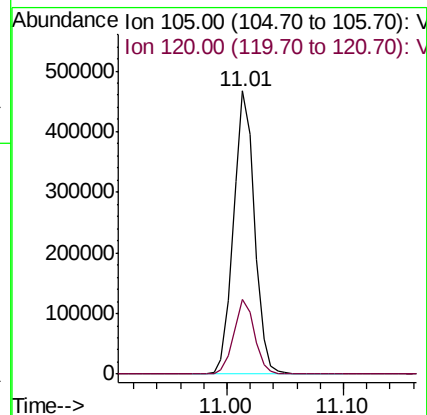
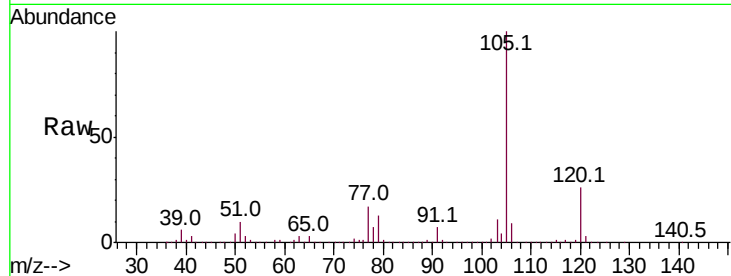
120 26.2 13.2 39.6

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#78

n-propylbenzene

Concen: 82.883 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012422.D

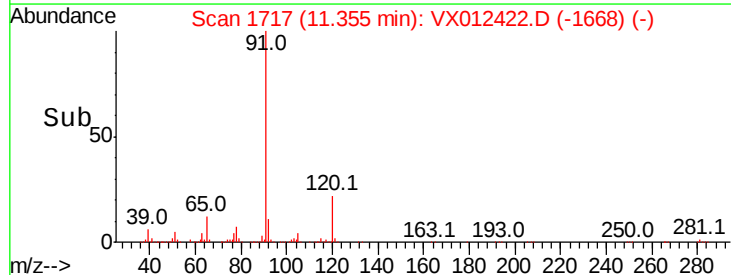
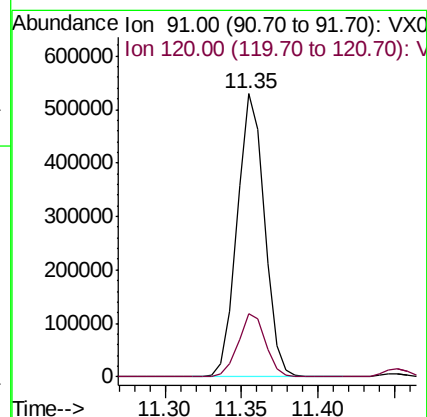
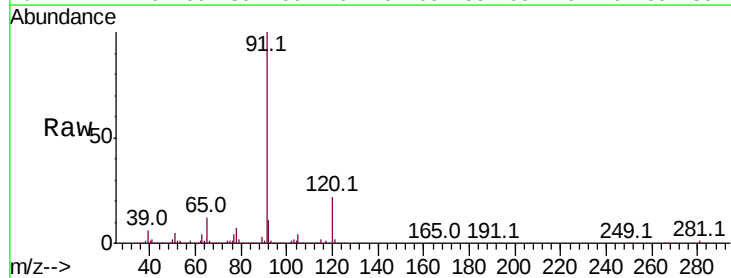
Acq: 16 Sep 2019 21:49

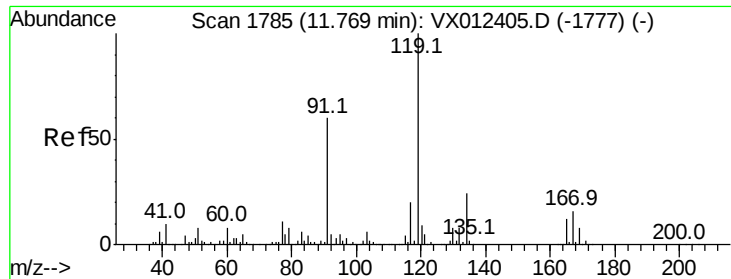
Tgt Ion: 91 Resp: 655247

Ion Ratio Lower Upper

91 100

120 22.2 11.5 34.4





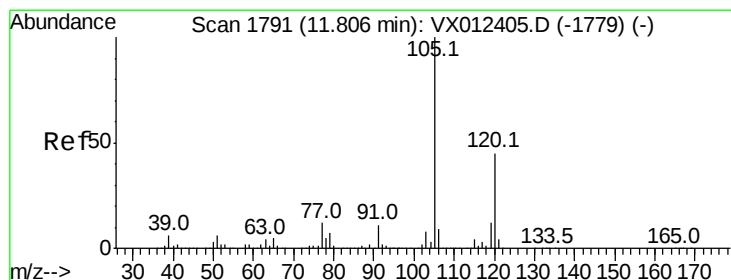
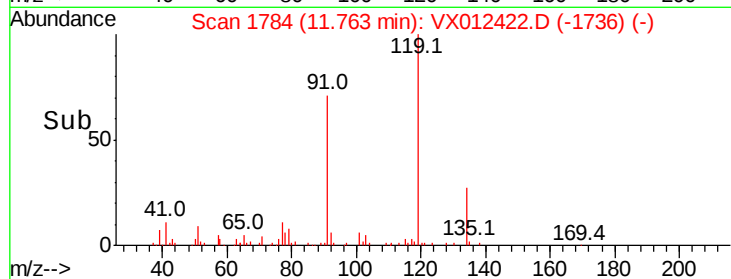
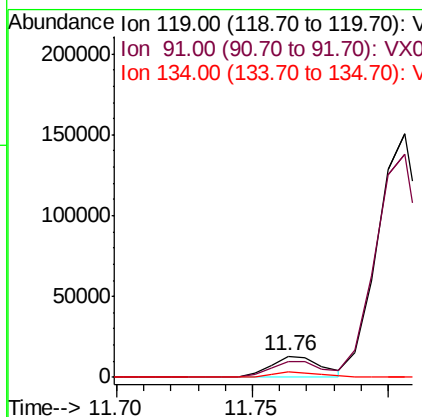
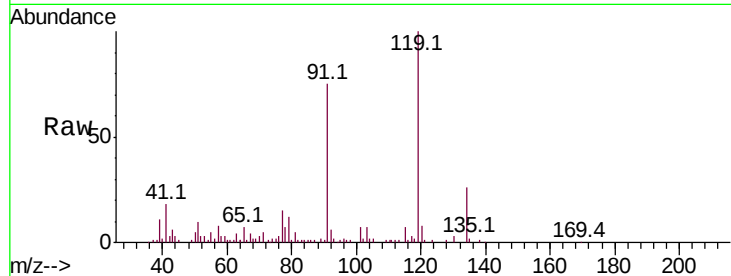
#83
tert-Butylbenzene
Concen: 2.677 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012422.D
Acq: 16 Sep 2019 21:49

Instrument :
MSVOA_X
ClientSampleId :
S13-0282

Tot Ion	Ratio	Resp	Lower	Upper
119	100	17294		
91	76.6	29.6	88.8	
134	25.5	11.4	34.1	

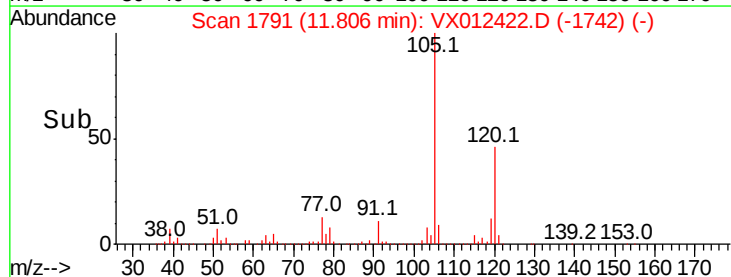
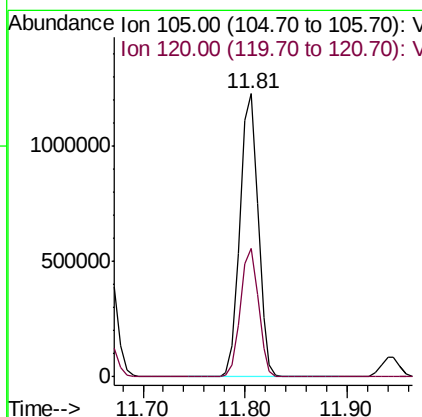
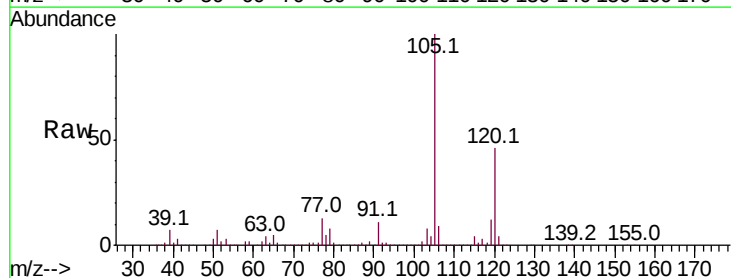
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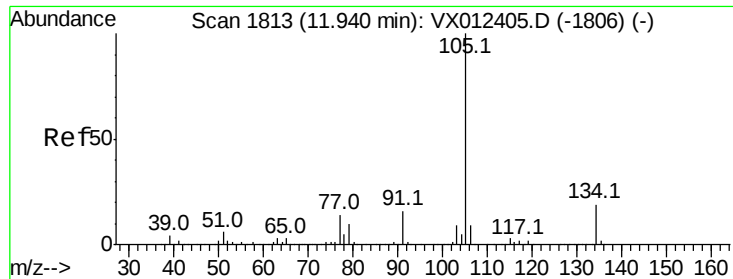
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#84
1,2,4-Trimethylbenzene
Concen: 242.409 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX012422.D
Acq: 16 Sep 2019 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1498292		
120	45.2	22.1	66.5	





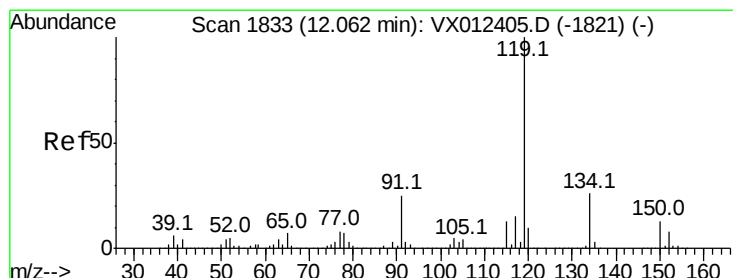
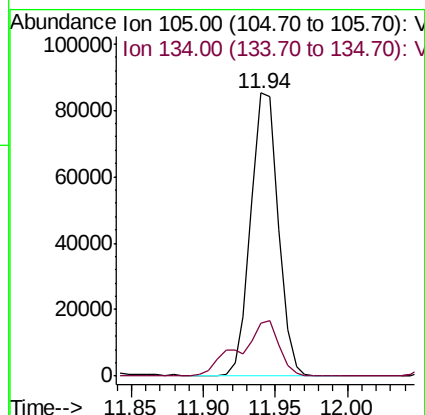
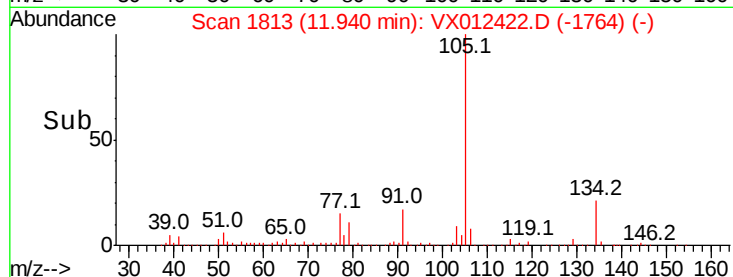
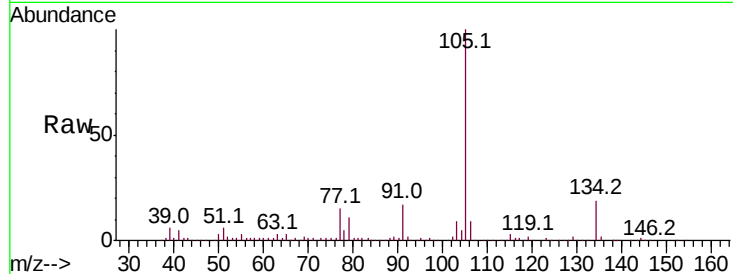
#85
 sec-Butylbenzene
 Concen: 15.693 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX012422.D
 Acq: 16 Sep 2019 21:49

Instrument :
 MSVOA_X
 ClientSampled :
 S13-0282

Tot Ion	Ratio	Resp	Lower	Upper
105	100	112096		
134	28.1	10.1	30.1	

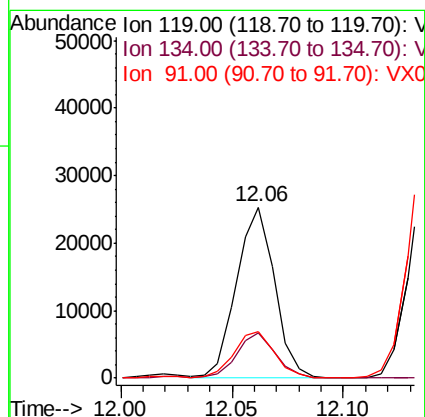
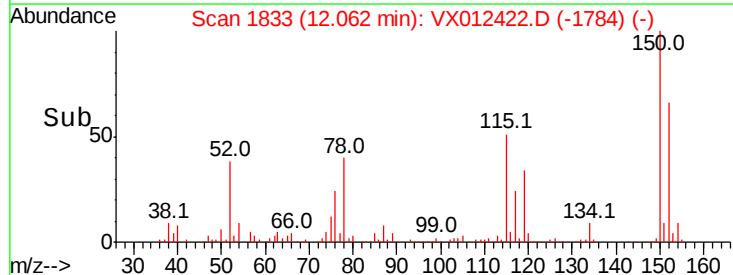
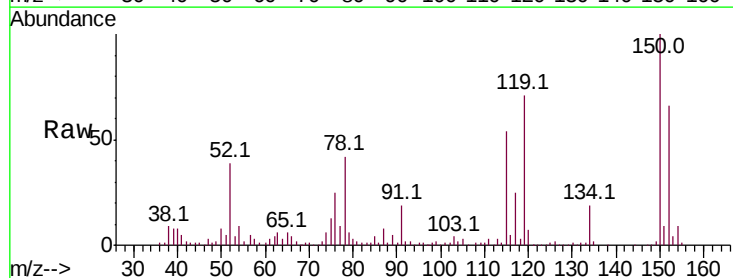
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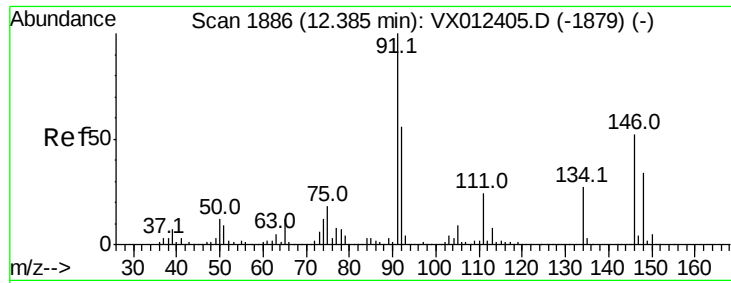
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#86
 p-Isopropyltoluene
 Concen: 4.621 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX012422.D
 Acq: 16 Sep 2019 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	30239		
134	26.9	12.9	38.6	
91	28.5	12.9	38.6	





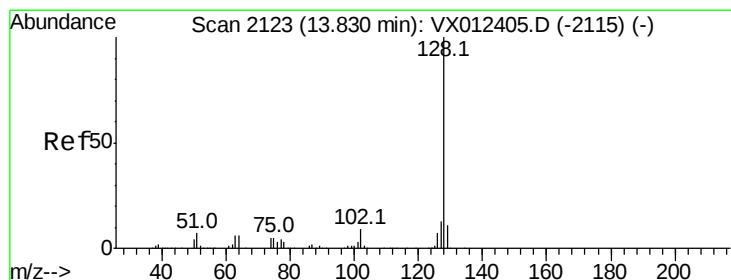
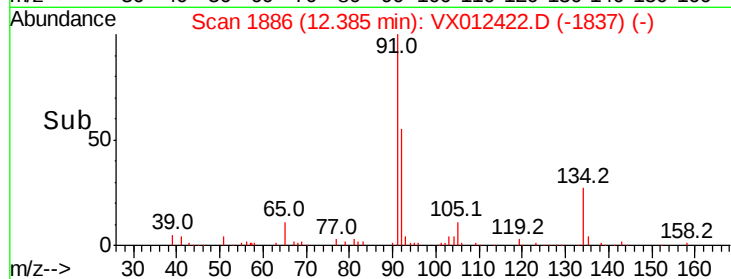
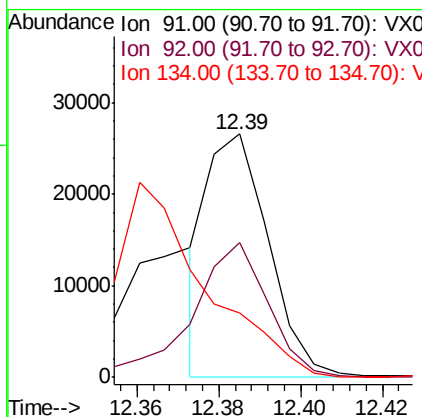
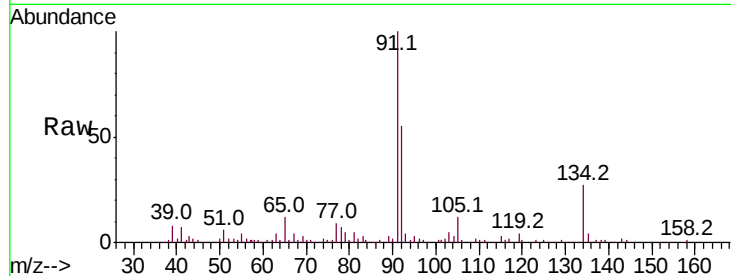
#89
n-Butylbenzene
Concen: 4.779 ug/l m
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012422.D
Acq: 16 Sep 2019 21:49

Instrument :
MSVOA_X
ClientSampleId :
S13-0282

Tot Ion	Ratio	Resp	Lower	Upper
91	100	27619		
92	69.7		27.5	82.4
134	0.0		13.2	39.6#

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#95
Naphthalene
Concen: 40.631 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012422.D
Acq: 16 Sep 2019 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	345852		
127	13.3		10.2	15.4
129	12.0		8.6	13.0

