

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091619\
 Data File : VX012419.D
 Acq On : 16 Sep 2019 20:39
 Operator : JC/SP
 Sample : K4830-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0283

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 12:02:33 PM

Quant Time: Sep 17 05:36:19 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	118404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	195851	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	179663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	107488	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	121629	50.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.26%	
35) Dibromofluoromethane	5.49	113	86076	45.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.74%	
50) Toluene-d8	8.71	98	312839	46.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.94%	
62) 4-Bromofluorobenzene	11.14	95	129224	45.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.24%	
Target Compounds						
					Qvalue	
16) Acetone	2.43	43	7030	6.451	ug/l	98
31) Cyclohexane	5.57	56	103355	62.007	ug/l	97
39) Methylcyclohexane	7.46	83	66511	38.259	ug/l	96
40) Benzene	6.14	78	297797	53.399	ug/l	97
52) Toluene	8.78	92	2921	0.805	ug/l	96
67) Ethyl Benzene	10.25	91	12938	1.807	ug/l	92
68) m/p-Xylenes	10.36	106	4349	1.646	ug/l	96
73) Isopropylbenzene	11.01	105	93906	12.575	ug/l	99
78) n-propylbenzene	11.35	91	85536	10.135	ug/l	100
83) tert-Butylbenzene	11.76	119	5406	0.784	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	466131	70.644	ug/l	99
85) sec-Butylbenzene	11.94	105	27591	3.618	ug/l	84
86) p-Isopropyltoluene	12.06	119	5601	0.802	ug/l	90
89) n-Butylbenzene	12.38	91	8682m	1.407	ug/l	
95) Naphthalene	13.83	128	120451	13.494	ug/l #	96

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

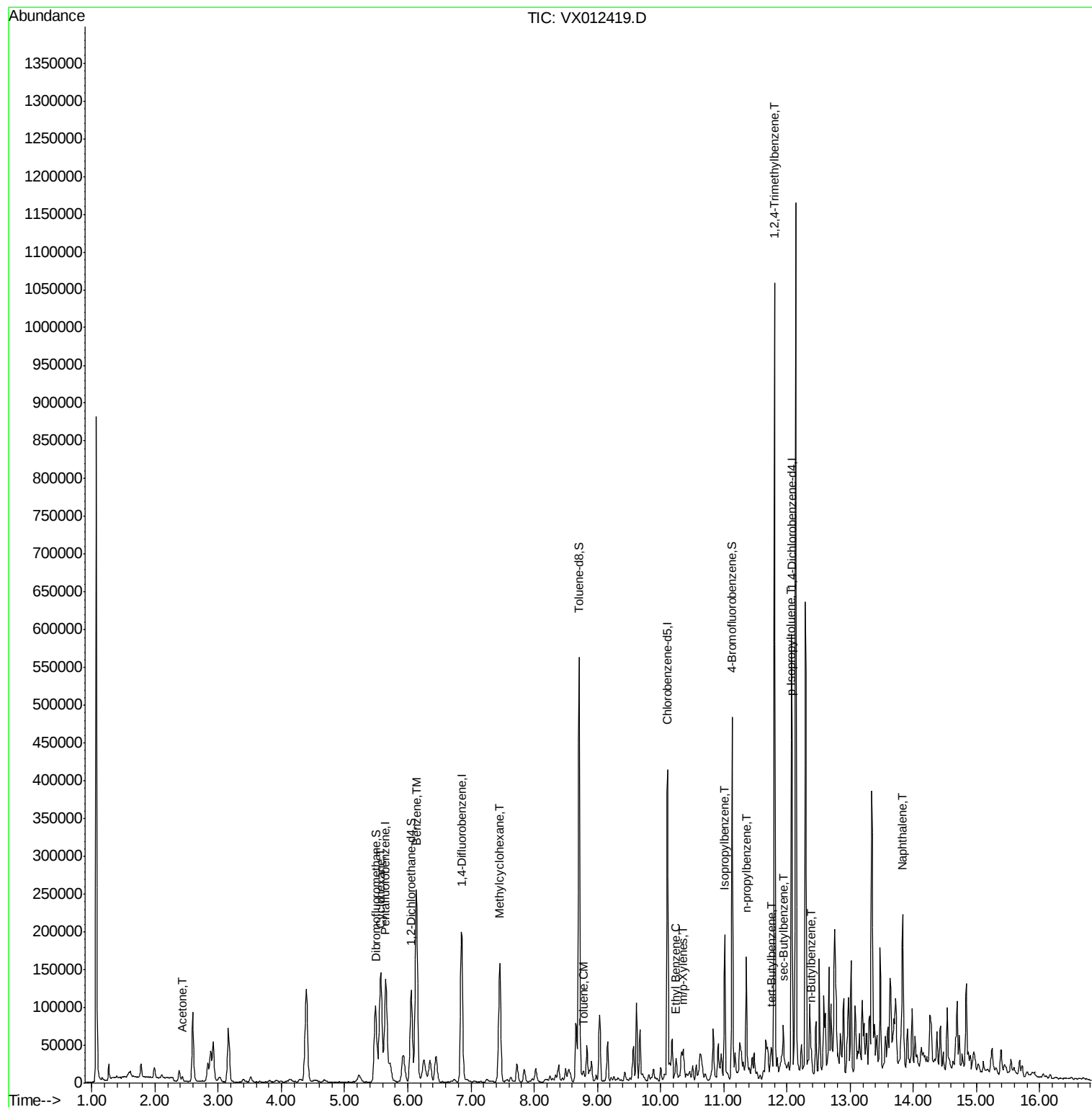
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091619\
Data File : VX012419.D
Acq On : 16 Sep 2019 20:39
Operator : JC/SP
Sample : K4830-07
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

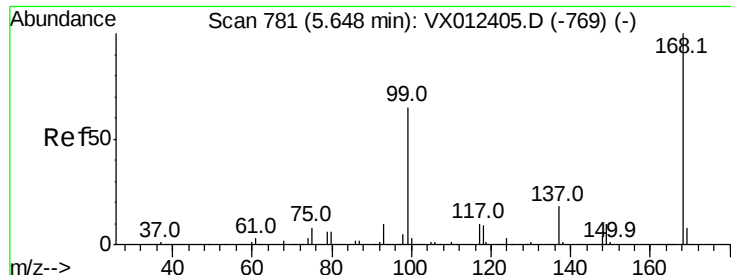
Instrument :
MSVOA_X
ClientSampleId :
S13-0283

Manual Integrations
APPROVED

MMDadoda
9/18/2019 12:02:33 PM

Quant Time: Sep 17 05:36:19 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: VX012419.D

Acq: 16 Sep 2019 20:39

Instrument :

MSVOA_X

ClientSampleId :

S13-0283

Tot Ion:168 Resp: 118404

Ion Ratio Lower Upper

168 100

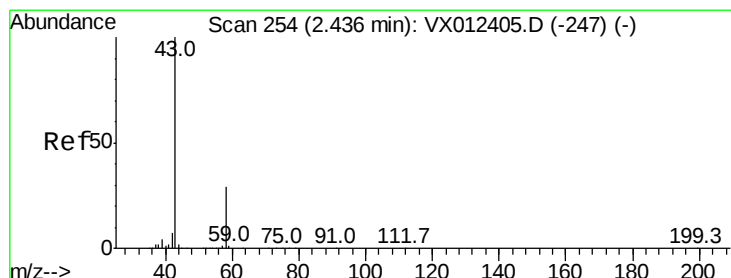
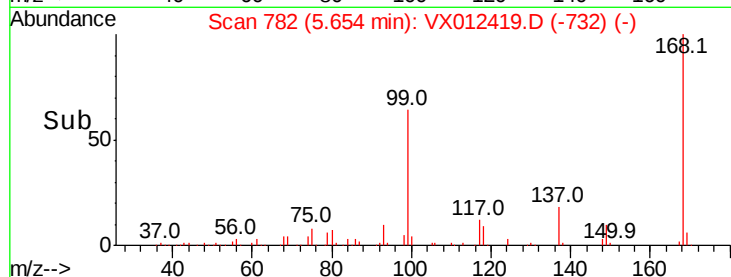
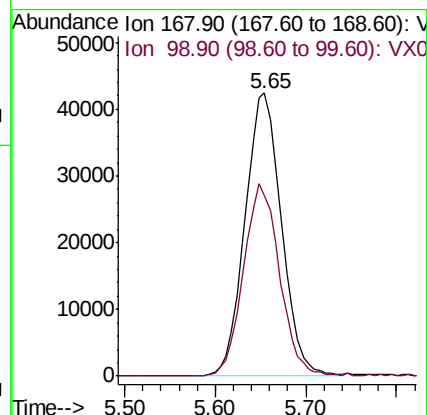
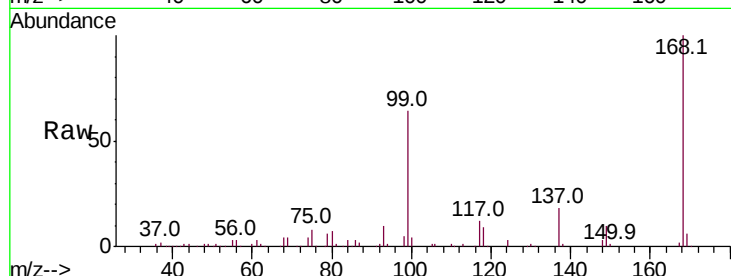
99 63.8 51.8 77.6

Manual Integrations

APPROVED

MMDadoda

9/18/2019 12:02:33 PM



#16

Acetone

Concen: 6.451 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012419.D

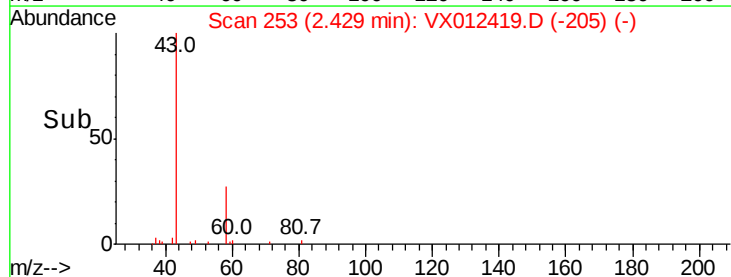
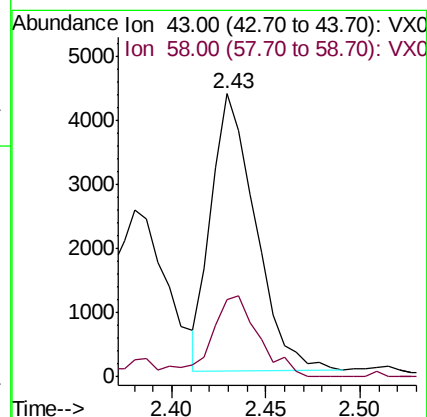
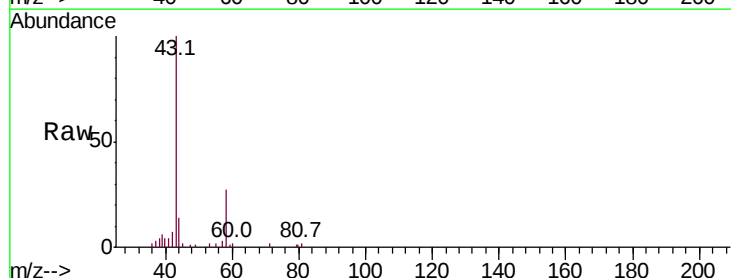
Acq: 16 Sep 2019 20:39

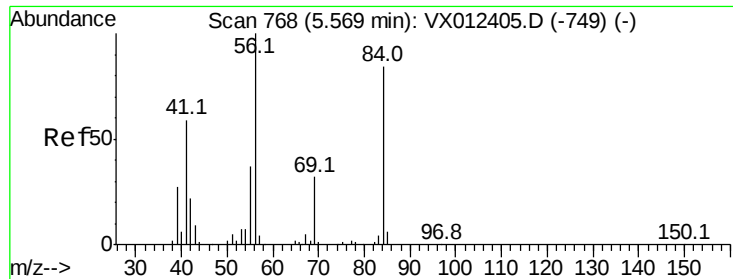
Tgt Ion: 43 Resp: 7030

Ion Ratio Lower Upper

43 100

58 28.1 23.5 35.3





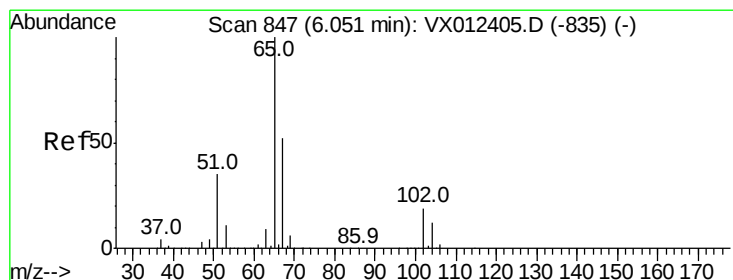
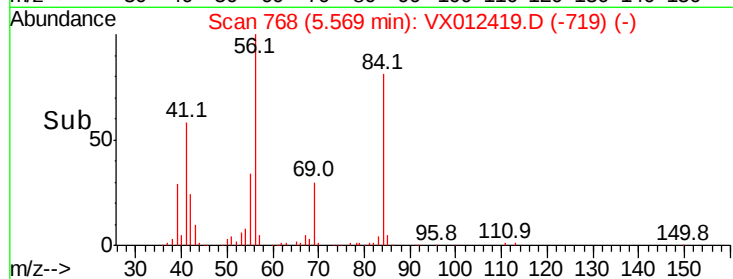
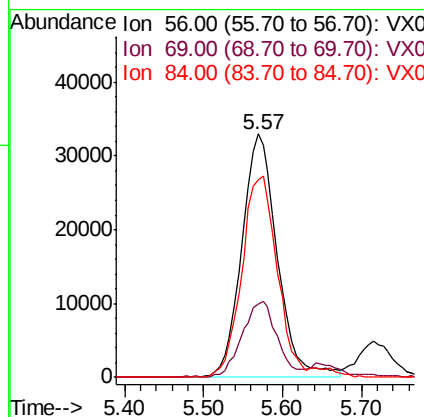
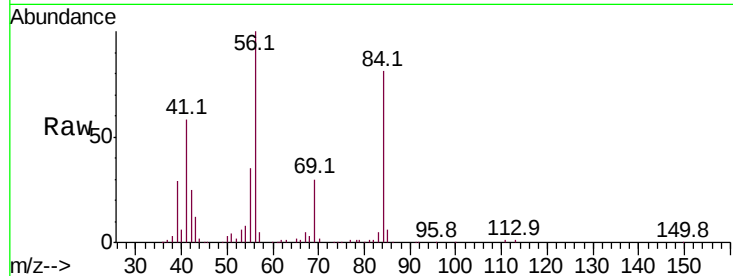
#31
Cyclohexane
Concen: 62.007 ug/l
RT: 5.57 min Scan# 768
Delta R.T. -0.00 min
Lab File: VX012419.D
Acq: 16 Sep 2019 20:39

Instrument :
MSVOA_X
ClientSampleId :
S13-0283

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.0	24.9	37.3
84	81.2	67.2	100.8

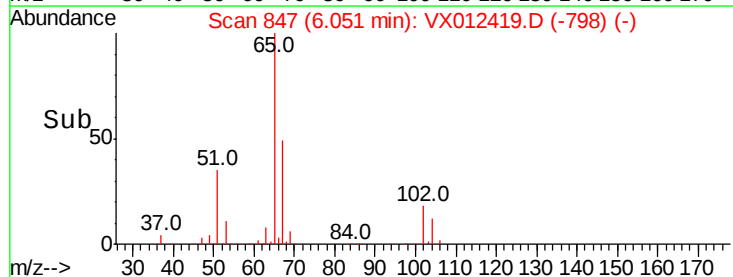
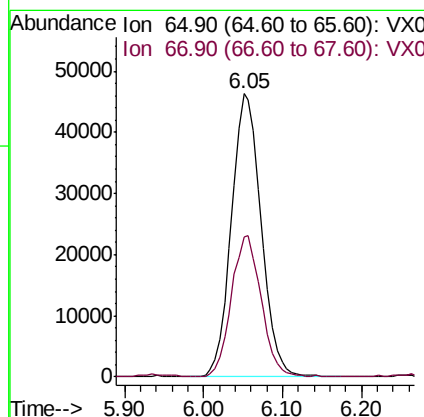
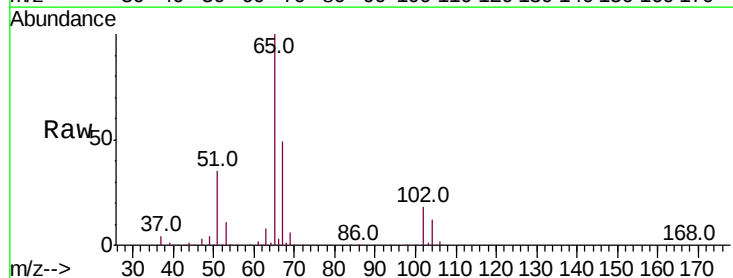
Manual Integrations
APPROVED

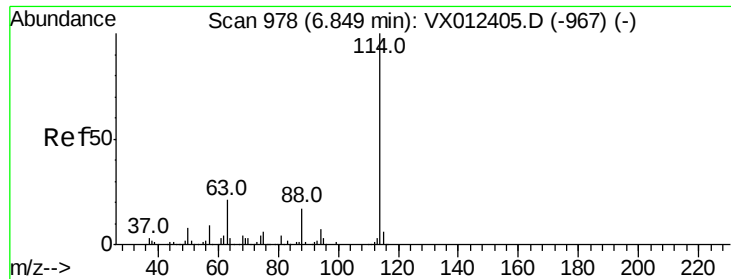
MMDadoda
9/18/2019 12:02:33 PM



#33
1,2-Dichloroethane-d4
Concen: 50.133 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012419.D
Acq: 16 Sep 2019 20:39

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: VX012419.D

Acq: 16 Sep 2019 20:39

Instrument :

MSVOA_X

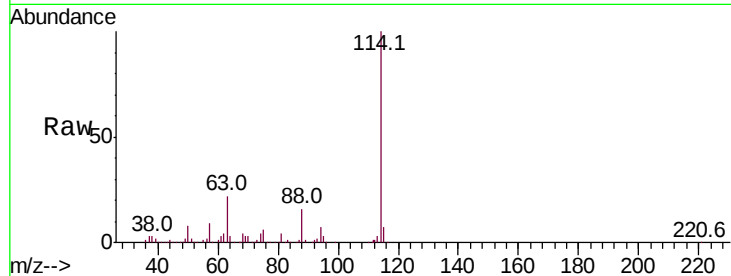
ClientSampled :

S13-0283

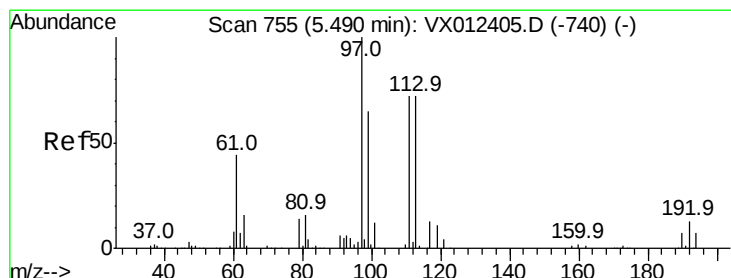
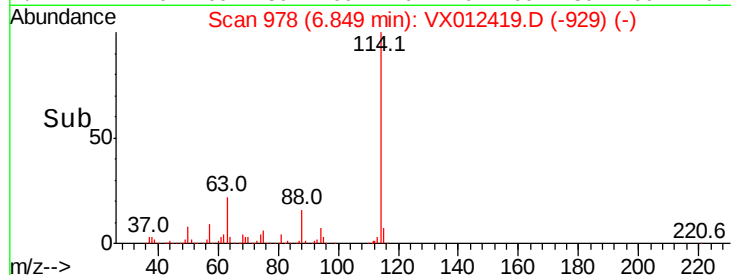
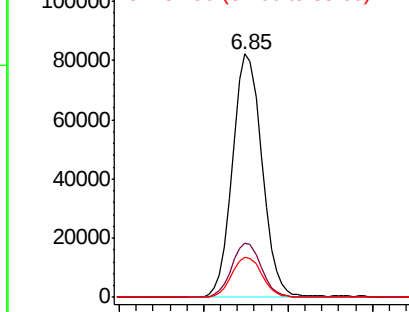
Tot Ion:	114	Resp:	195851
Ion Ratio	Lower	Upper	
114	100		
63	22.2	0.0	42.4
88	16.3	0.0	33.4

Manual Integrations
APPROVED

MMDadoda
9/18/2019 12:02:33 PM



Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 45.370 ug/l

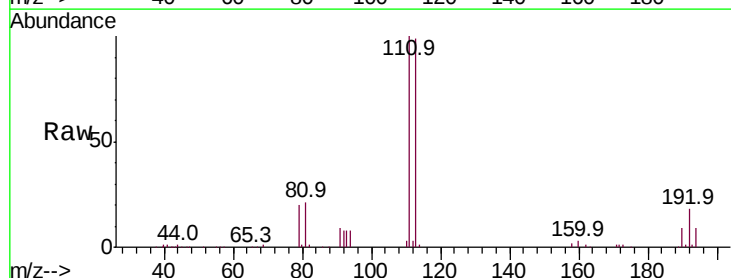
RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

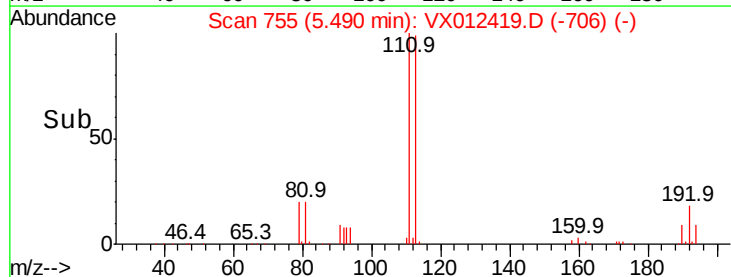
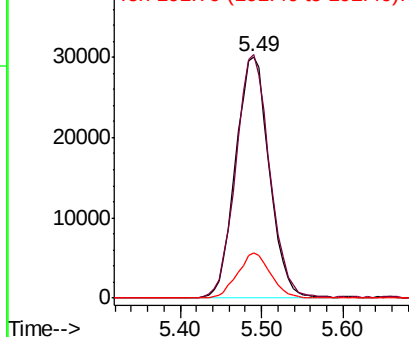
Lab File: VX012419.D

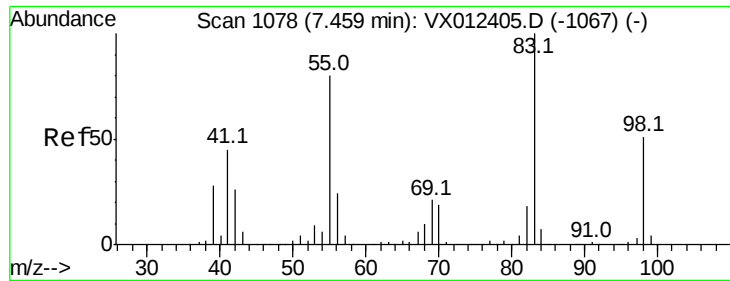
Acq: 16 Sep 2019 20:39

Tgt Ion:	113	Resp:	86076
Ion Ratio	Lower	Upper	
113	100		
111	101.3	81.8	122.6
192	18.3	15.0	22.4



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





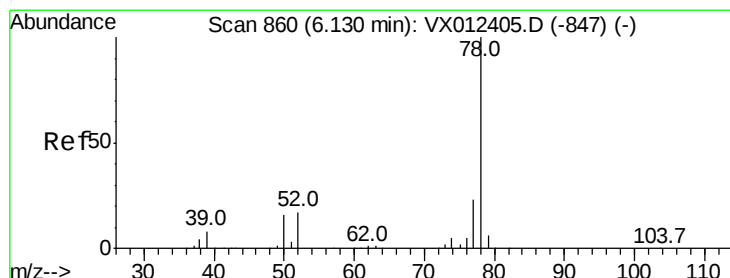
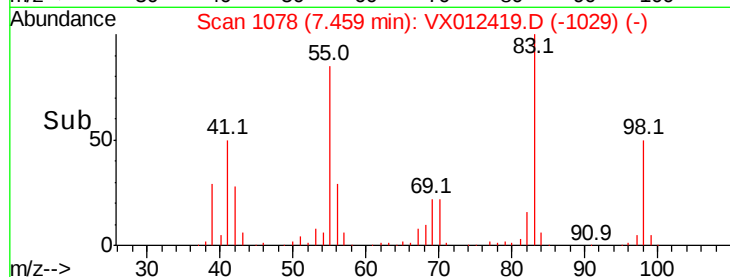
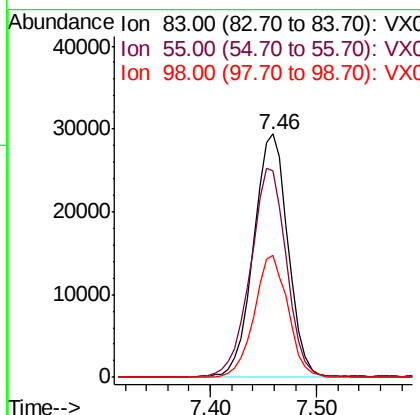
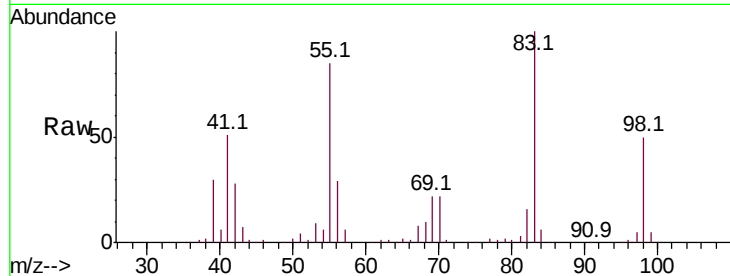
#39
Methvlcvclohexane
Concen: 38.259 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX012419.D
Acq: 16 Sep 2019 20:39

Instrument :
MSVOA_X
ClientSampled :
S13-0283

Tot Ion	Ratio	Resp	Lower	Upper
83	100	66511		
55	85.0	63.8	95.6	
98	50.3	40.6	61.0	

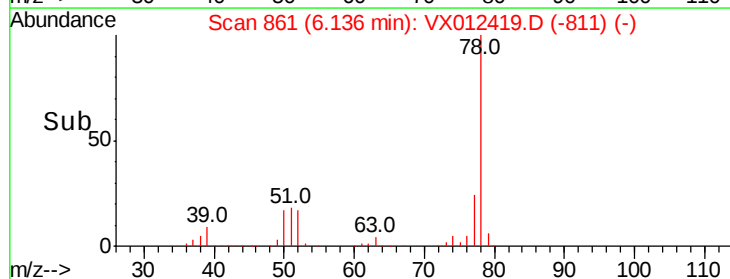
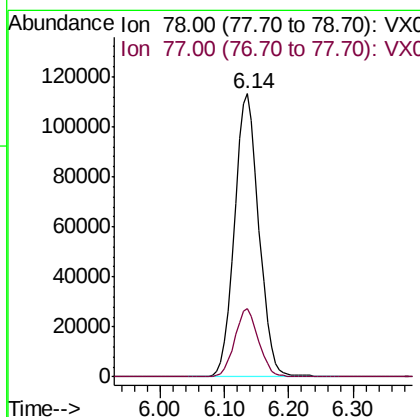
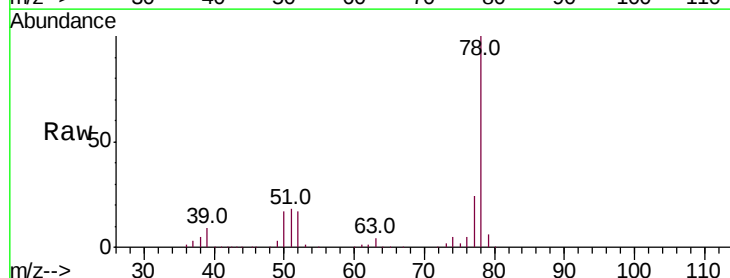
Manual Integrations
APPROVED

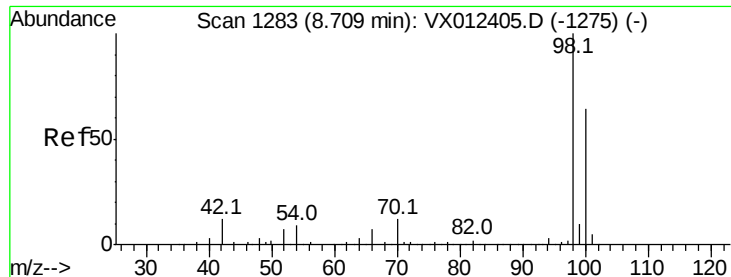
MMDadoda
9/18/2019 12:02:33 PM



#40
Benzene
Concen: 53.399 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012419.D
Acq: 16 Sep 2019 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	297797		
77	23.9	18.2	27.2	





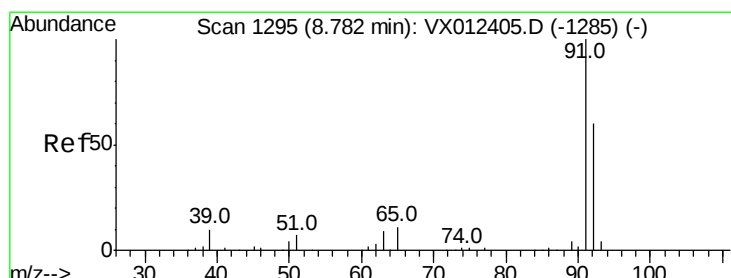
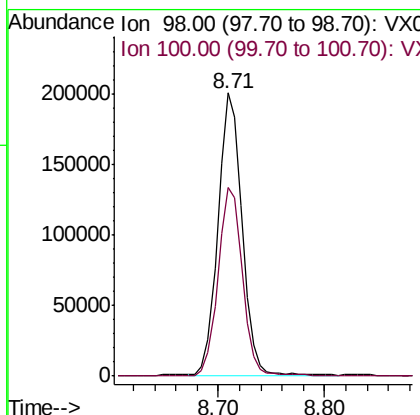
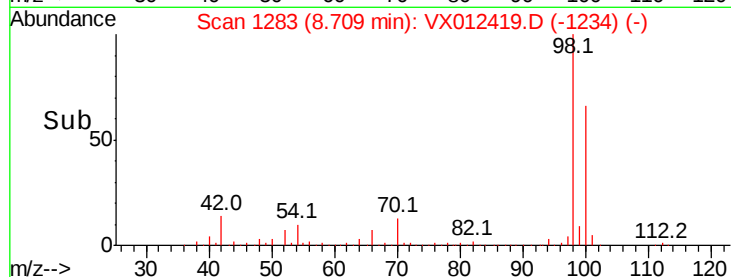
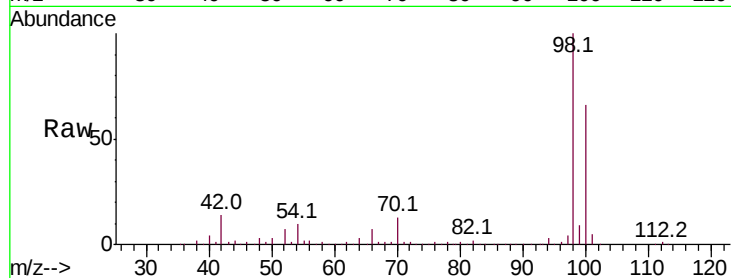
#50
Toluene-d8
Concen: 46.468 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012419.D
Acq: 16 Sep 2019 20:39

Instrument :
MSVOA_X
ClientSampleId :
S13-0283

Tot Ion: 98 Resp: 312839
Ion Ratio Lower Upper
98 100
100 68.9 54.4 81.6

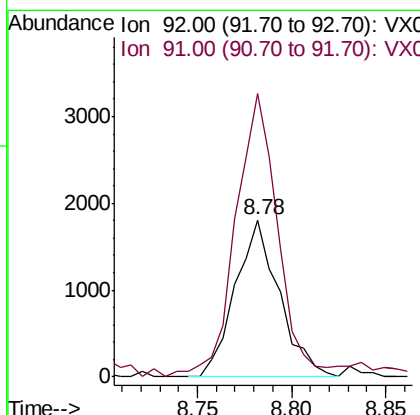
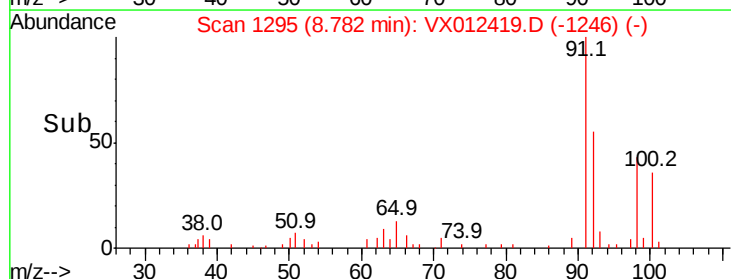
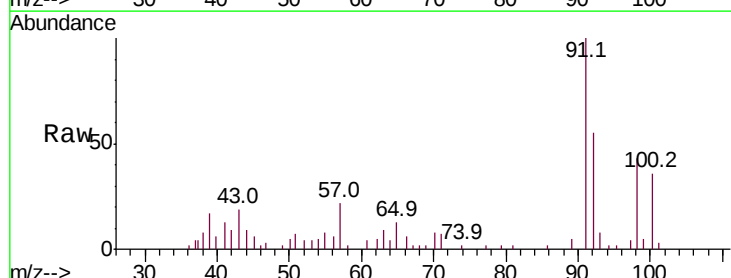
Manual Integrations
APPROVED

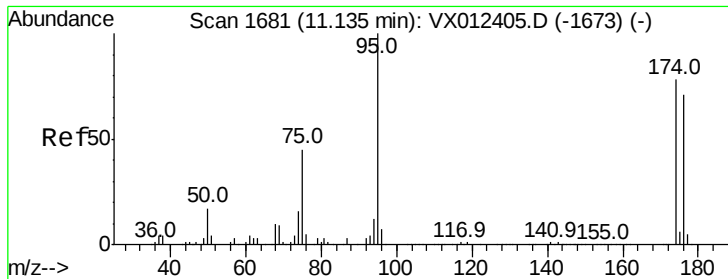
MMDadoda
9/18/2019 12:02:33 PM



#52
Toluene
Concen: 0.805 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VX012419.D
Acq: 16 Sep 2019 20:39

Tgt Ion: 92 Resp: 2921
Ion Ratio Lower Upper
92 100
91 171.7 133.3 199.9





#62

4-Bromofluorobenzene

Concen: 45.623 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012419.D

Acq: 16 Sep 2019 20:39

Instrument :

MSVOA_X

ClientSampled :

S13-0283

Tot Ion: 95 Resp: 129224

Ion Ratio Lower Upper

95 100

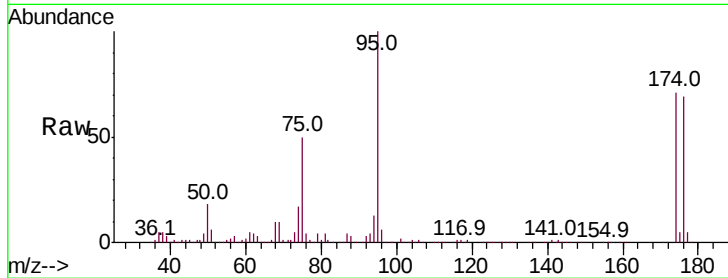
174 68.4 0.0 146.0

176 67.4 0.0 137.6

Manual Integrations
APPROVED

MMDadoda

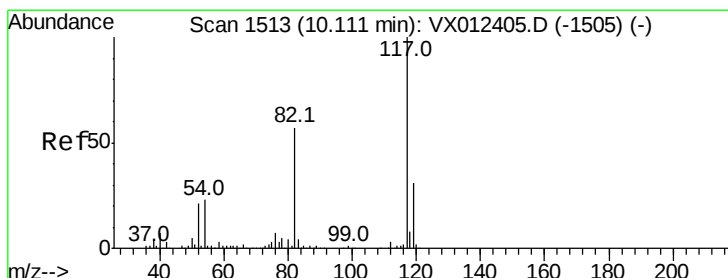
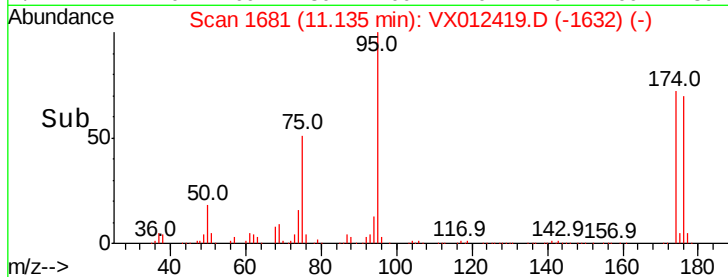
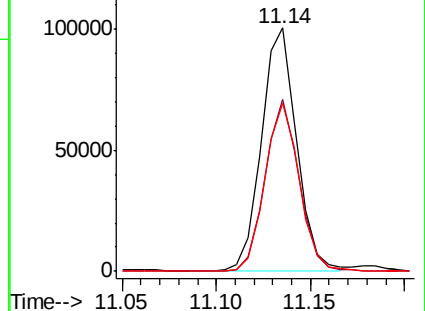
9/18/2019 12:02:33 PM



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012419.D

Acq: 16 Sep 2019 20:39

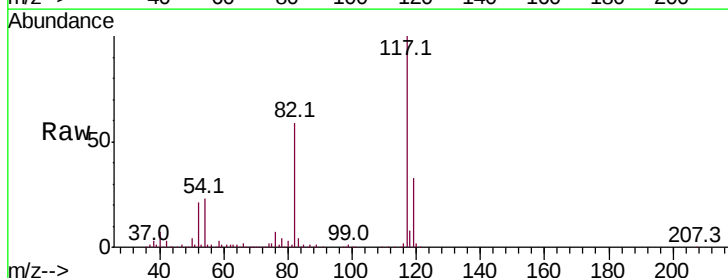
Tgt Ion: 117 Resp: 179663

Ion Ratio Lower Upper

117 100

82 58.6 45.8 68.6

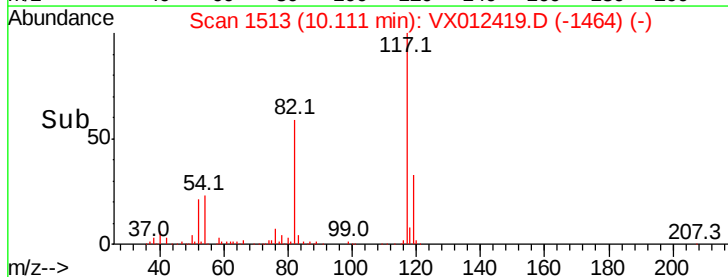
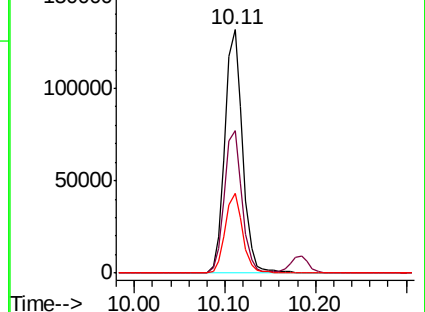
119 32.6 24.9 37.3

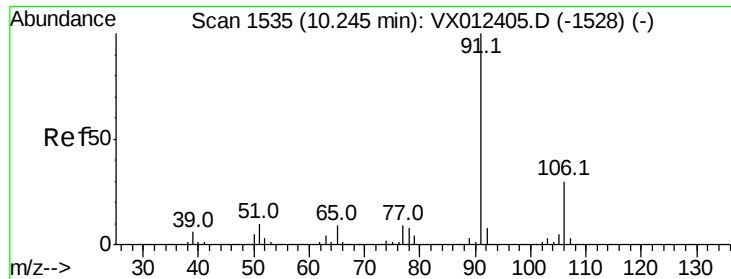


Abundance Ion 116.90 (116.60 to 117.60): VX012405.D (-1505) (-)

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

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





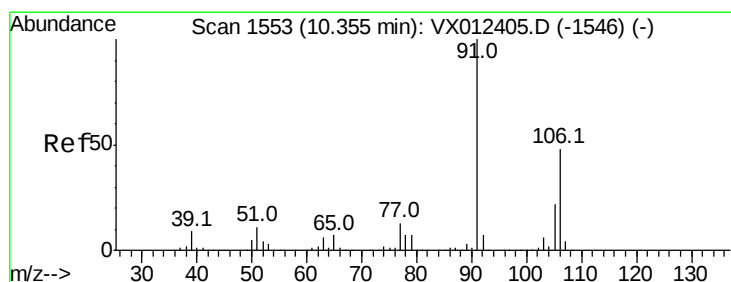
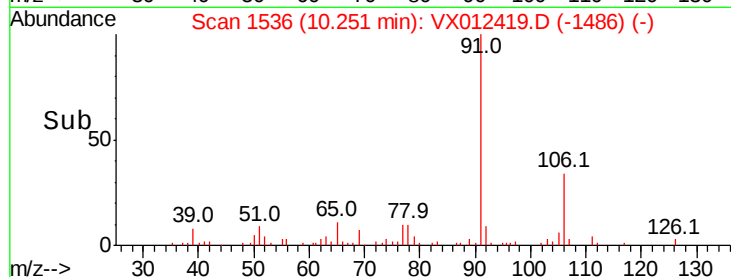
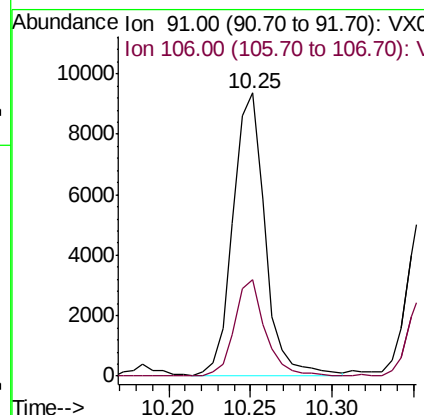
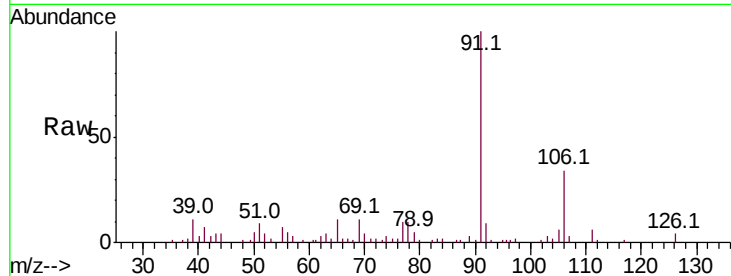
#67
Ethyl Benzene
Concen: 1.807 ug/l
RT: 10.25 min Scan# 1536
Delta R.T. 0.01 min
Lab File: VX012419.D
Acq: 16 Sep 2019 20:39

Instrument :
MSVOA_X
ClientSampled :
S13-0283

Tot Ion: 91 Resp: 12938
Ion Ratio Lower Upper
91 100
106 34.1 24.0 36.0

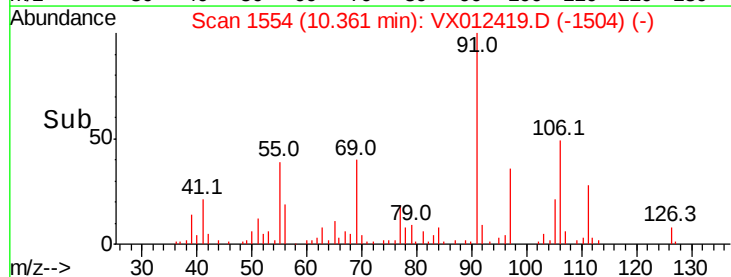
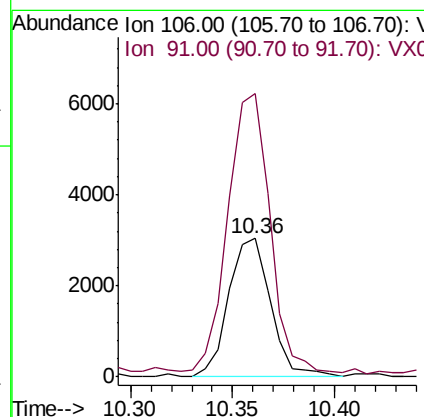
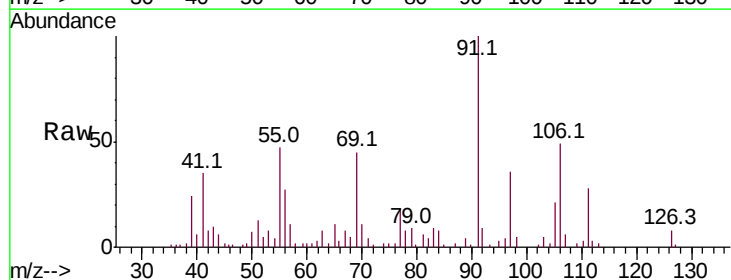
Manual Integrations
APPROVED

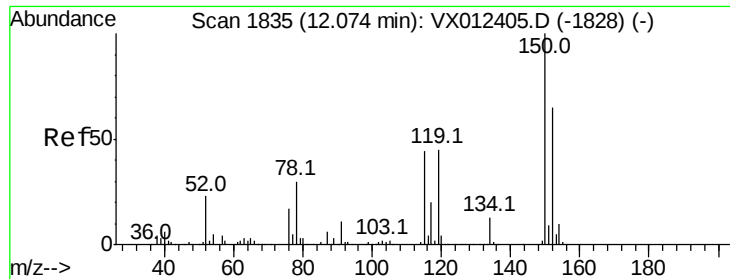
MMDadoda
9/18/2019 12:02:33 PM



#68
m/p-Xylenes
Concen: 1.646 ug/l
RT: 10.36 min Scan# 1554
Delta R.T. 0.01 min
Lab File: VX012419.D
Acq: 16 Sep 2019 20:39

Tgt Ion: 106 Resp: 4349
Ion Ratio Lower Upper
106 100
91 203.0 167.4 251.0





#72

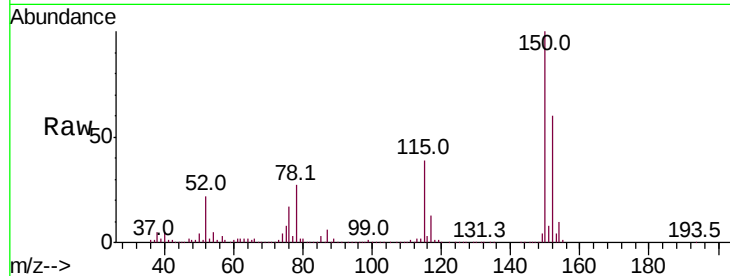
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012419.D
Acq: 16 Sep 2019 20:39

Instrument :
MSVOA_X
ClientSampled :
S13-0283

Tot Ion	Ratio	Lower	Upper
152	100		
115	65.8	45.3	135.9
150	160.2	0.0	354.0

Manual Integrations
APPROVED

MMDadoda
9/18/2019 12:02:33 PM

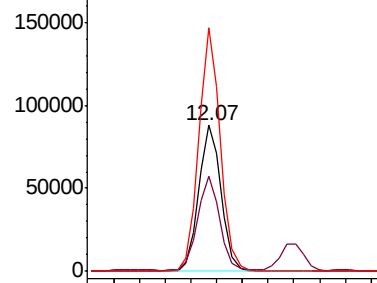


Abundance

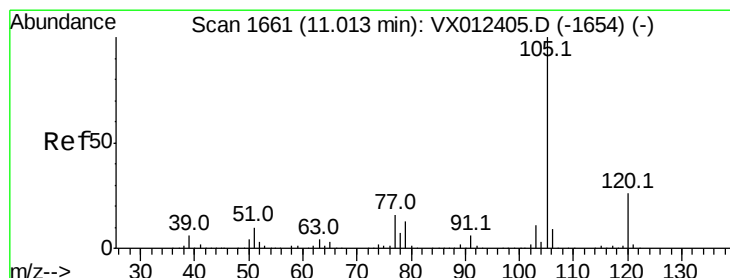
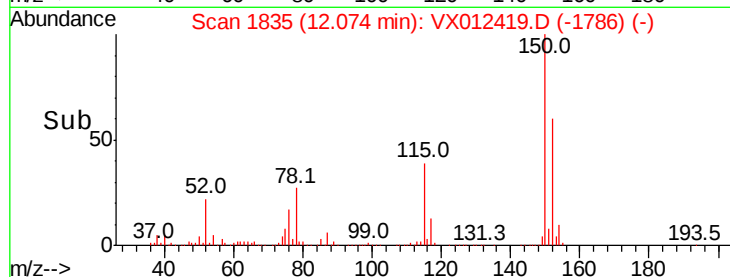
Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



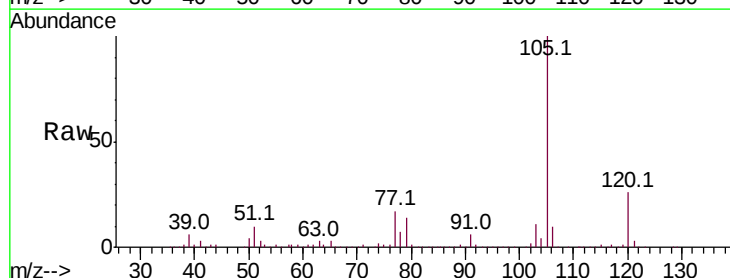
Time-->



#73

Isopropylbenzene
Concen: 12.575 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX012419.D
Acq: 16 Sep 2019 20:39

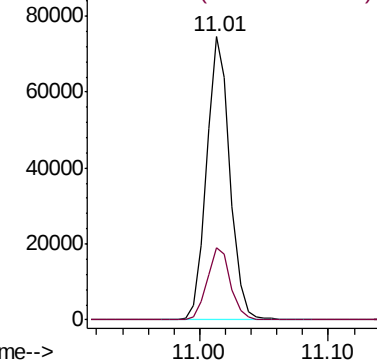
Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.2	39.6



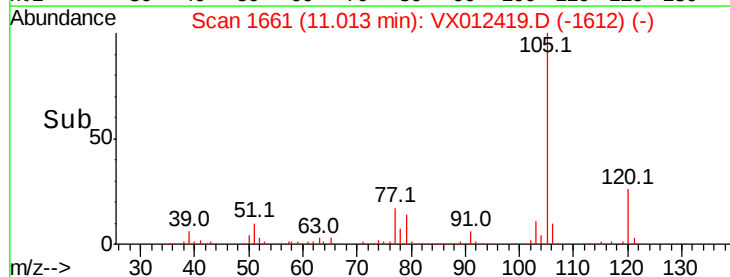
Abundance

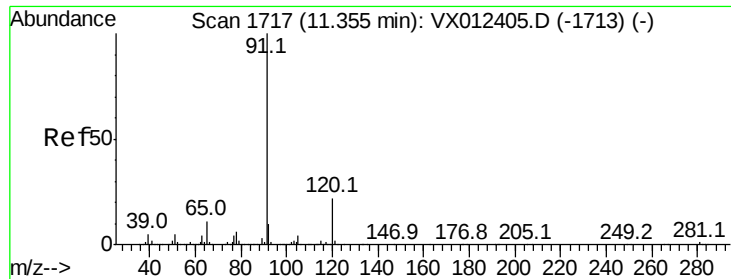
Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





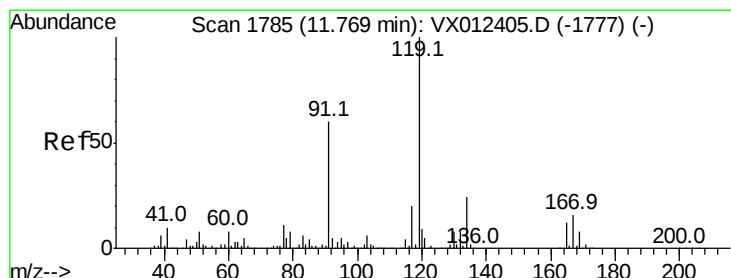
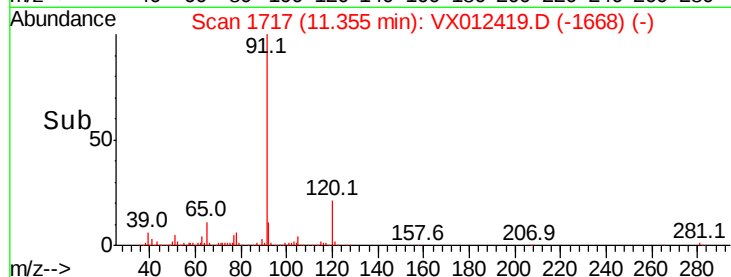
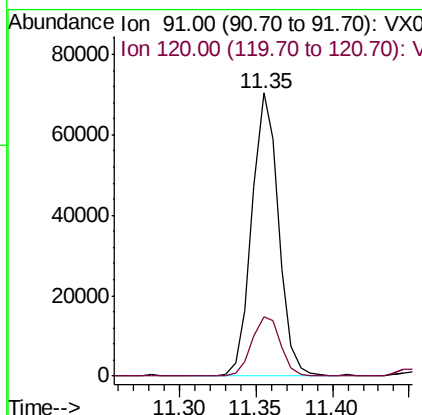
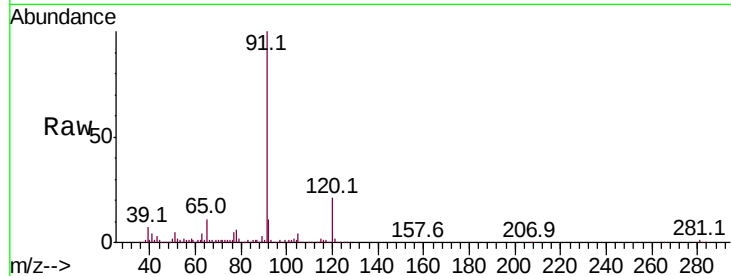
#78
n-propylbenzene
Concen: 10.135 ug/l
RT: 11.35 min Scan# 1717
Delta R.T. -0.00 min
Lab File: VX012419.D
Acq: 16 Sep 2019 20:39

Instrument :
MSVOA_X
ClientSampleId :
S13-0283

Tot Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.5	34.4

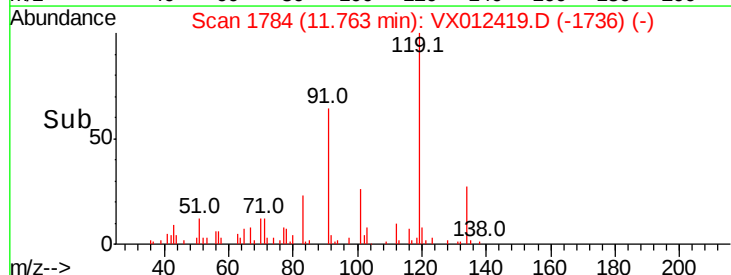
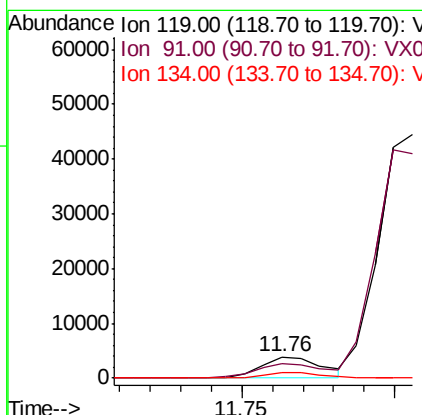
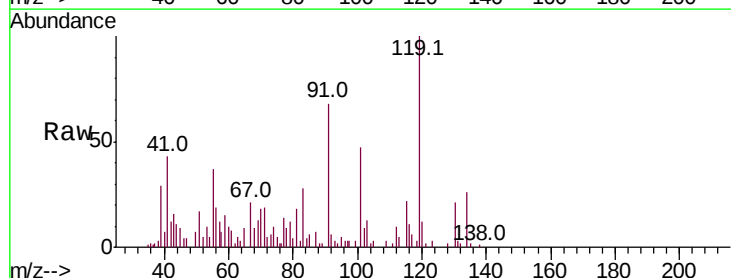
Manual Integrations
APPROVED

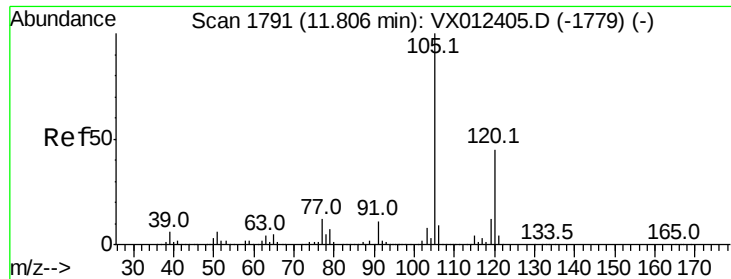
MMDadoda
9/18/2019 12:02:33 PM



#83
tert-Butylbenzene
Concen: 0.784 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VX012419.D
Acq: 16 Sep 2019 20:39

Tgt Ion	Ratio	Lower	Upper
119	100		
91	63.1	29.6	88.8
134	25.6	11.4	34.1





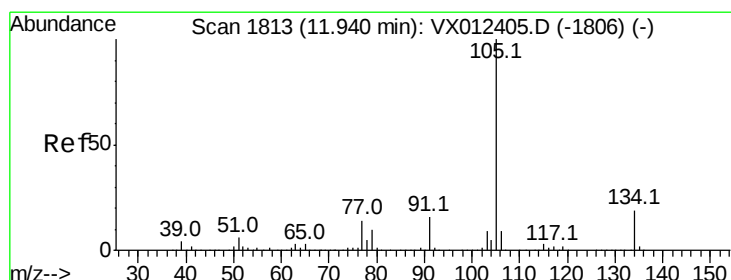
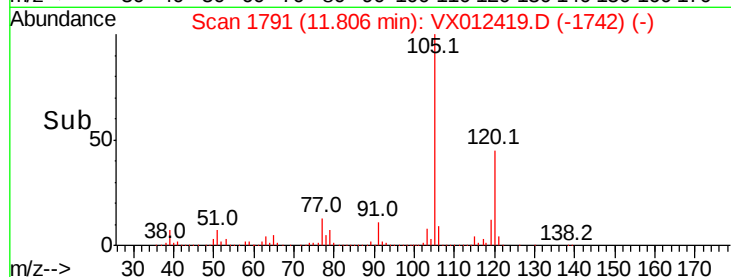
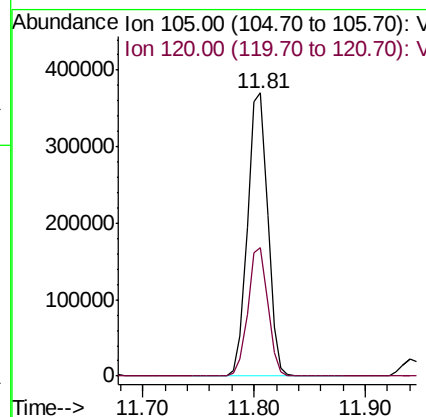
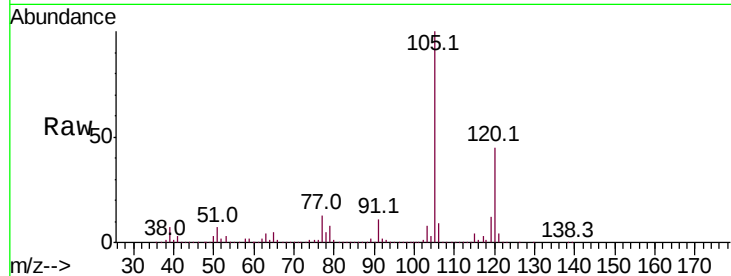
#84
1,2,4-Trimethylbenzene
Concen: 70.644 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. -0.00 min
Lab File: VX012419.D
Acq: 16 Sep 2019 20:39

Instrument :
MSVOA_X
ClientSampleId :
S13-0283

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.1	66.5

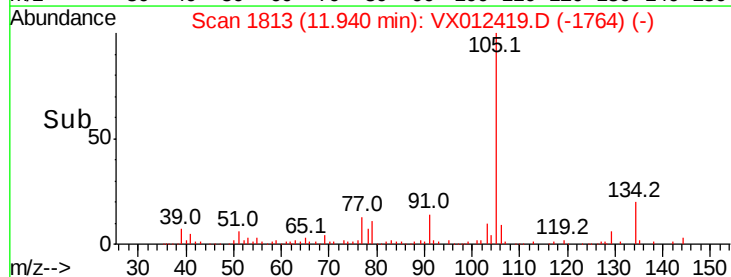
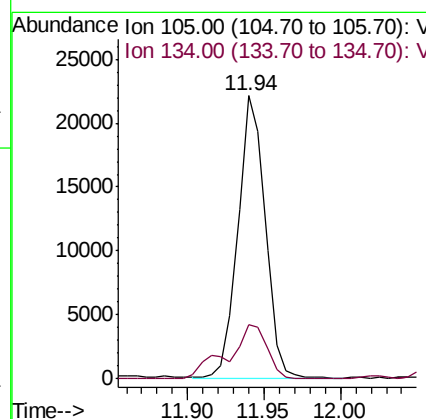
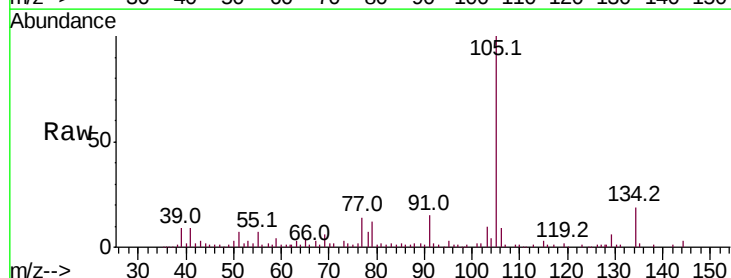
Manual Integrations
APPROVED

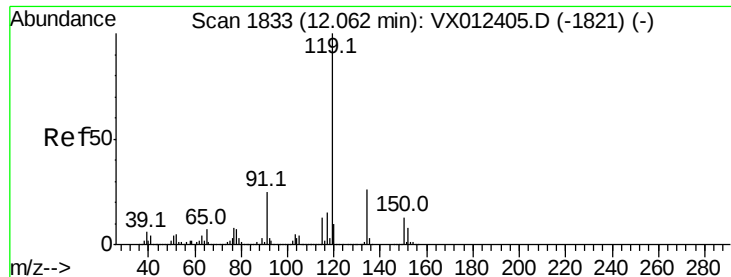
MMDadoda
9/18/2019 12:02:33 PM



#85
sec-Butylbenzene
Concen: 3.618 ug/l
RT: 11.94 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VX012419.D
Acq: 16 Sep 2019 20:39

Tgt Ion	Ratio	Lower	Upper
105	100		
134	27.4	10.1	30.1





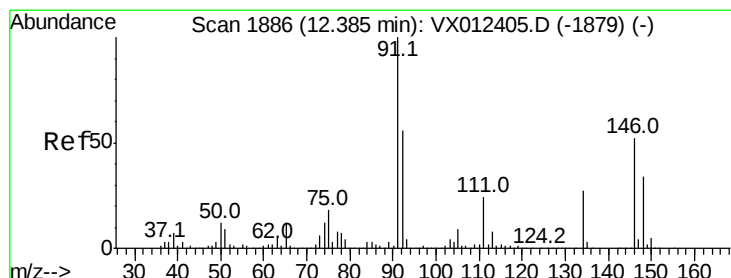
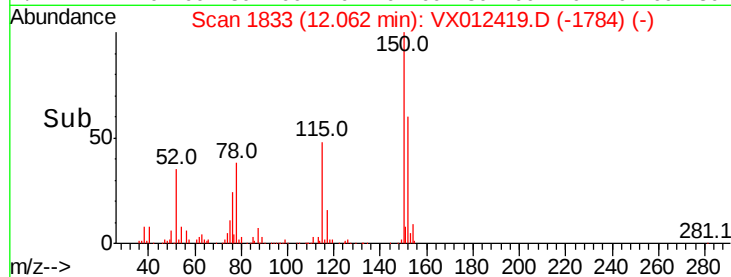
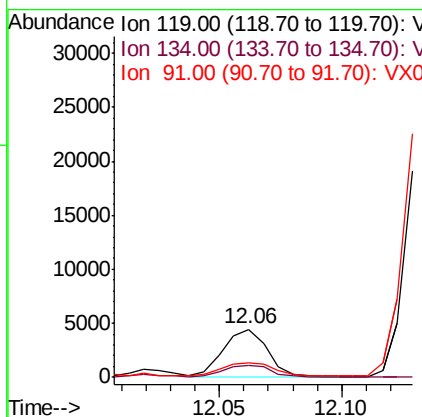
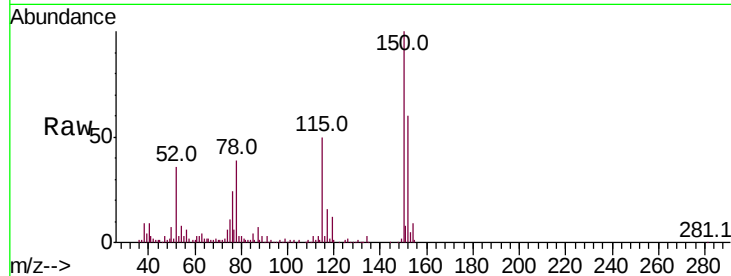
#86
p-Isopropyltoluene
Concen: 0.802 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX012419.D
Acq: 16 Sep 2019 20:39

Instrument :
MSVOA_X
ClientSampleId :
S13-0283

Tot Ion:	119	Resp:	5601
Ion Ratio	Lower	Upper	
119	100		
134	28.5	12.9	38.6
91	33.3	12.9	38.6

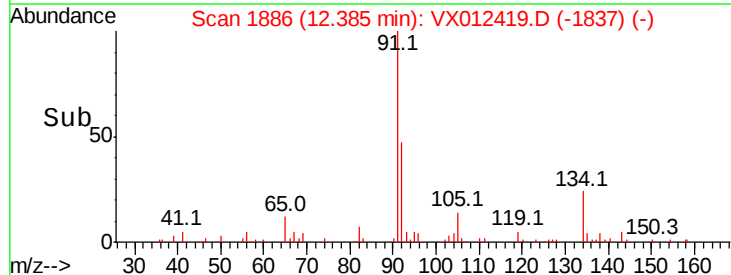
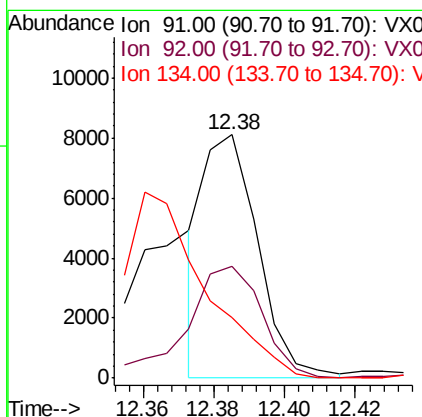
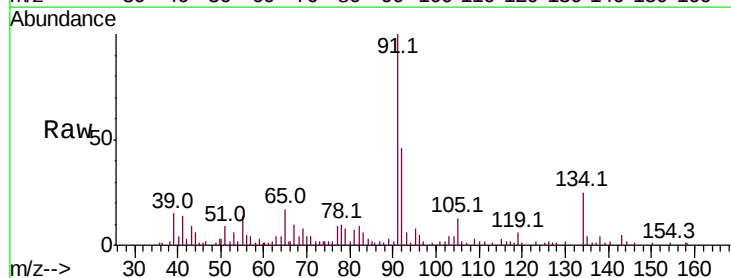
Manual Integrations
APPROVED

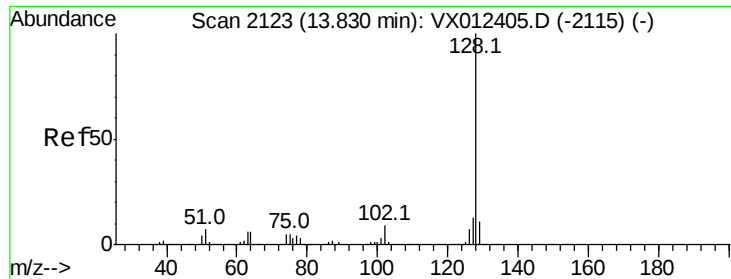
MMDadoda
9/18/2019 12:02:33 PM



#89
n-Butylbenzene
Concen: 1.407 ug/l m
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012419.D
Acq: 16 Sep 2019 20:39

Tgt Ion:	91	Resp:	8682
Ion Ratio	Lower	Upper	
91	100		
92	64.9	27.5	82.4
134	0.0	13.2	39.6#





#95
Naphthalene
Concen: 13.494 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012419.D
Acq: 16 Sep 2019 20:39

Instrument :
MSVOA_X
ClientSampleId :
S13-0283

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	13.4	10.2	15.4
129	13.5	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
9/18/2019 12:02:33 PM

