

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062419\
 Data File : VN056457.D
 Acq On : 24 Jun 2019 15:46
 Operator : JC/SP
 Sample : K3499-07 10X
 Misc : 5.88g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 B-6(17-18)

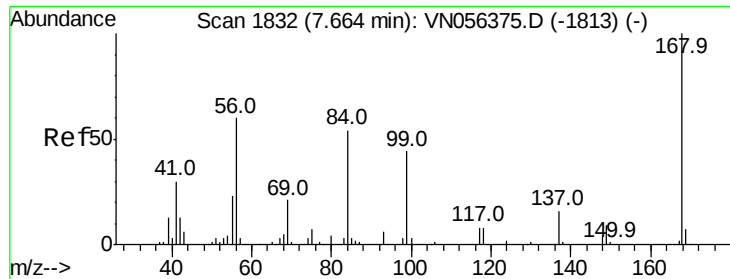
Manual Integrations
 APPROVED

MMDadoda
 7/3/2019 8:53:04 AM

Quant Time: Jun 25 02:07:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	385484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	627914	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	652852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	306587	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	201784	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	
35) Dibromofluoromethane	7.59	113	175199	44.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.46%	
50) Toluene-d8	10.09	98	896915	58.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.70%	
62) 4-Bromofluorobenzene	12.40	95	328955	64.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	129.48%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.64	56	1944552	294.745	ug/l #	62
39) Methylcyclohexane	9.08	83	2737358	401.396	ug/l	97
52) Toluene	10.16	92	50967	4.904	ug/l	99
67) Ethyl Benzene	11.51	91	2987642	129.708	ug/l	100
68) m/p-Xylenes	11.62	106	4309628	510.540	ug/l	99
69) o-Xylene	11.95	106	698863	83.683	ug/l	99
73) Isopropylbenzene	12.25	105	1036315	44.719	ug/l	100
78) n-propylbenzene	12.59	91	4191945	149.307	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	4840656	260.387	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	15119325	732.549	ug/l	96
85) sec-Butylbenzene	13.17	105	401428m	16.267	ug/l	
86) p-Isopropyltoluene	13.29	119	223873	10.571	ug/l	98
89) n-Butylbenzene	13.61	91	741665	46.261	ug/l #	73
95) Naphthalene	15.13	128	1171976	80.025	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056457.D

Acq: 24 Jun 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

B-6(17-18)

Tot Ion:168 Resp: 385484

Ion Ratio Lower Upper

168 100

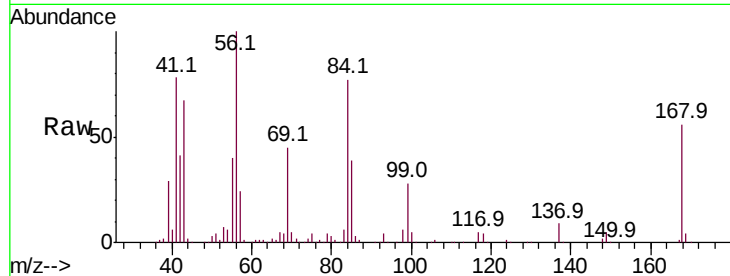
99 49.1 40.6 61.0

Manual Integrations

APPROVED

MMDadoda

7/3/2019 8:53:04 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

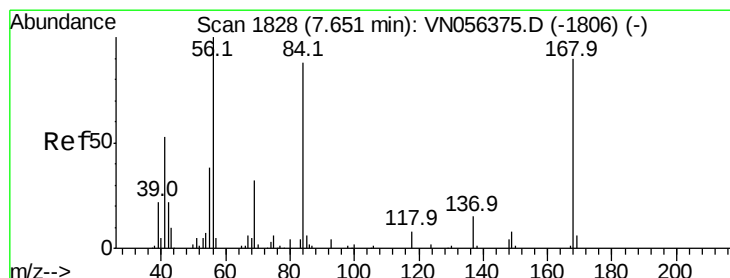
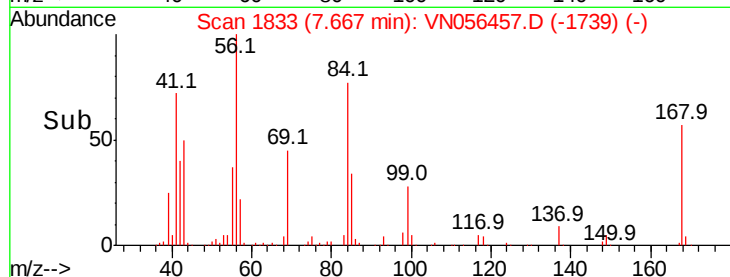
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#31

Cyclohexane

Concen: 294.745 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN056457.D

Acq: 24 Jun 2019 15:46

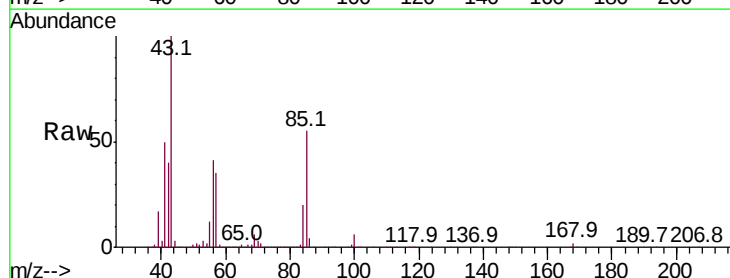
Tgt Ion: 56 Resp: 1944552

Ion Ratio Lower Upper

56 100

69 13.6 25.8 38.6#

84 50.0 69.4 104.0#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 69.00 (68.70 to 69.70): VN

Ion 84.00 (83.70 to 84.70): VN

800000

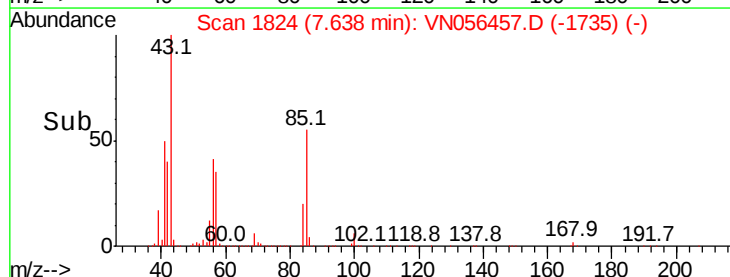
600000

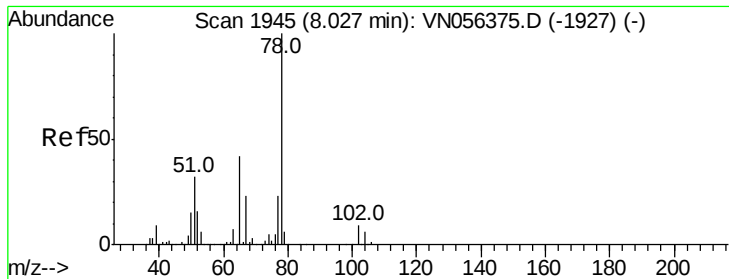
400000

200000

0

Time--> 7.55 7.60 7.65 7.70





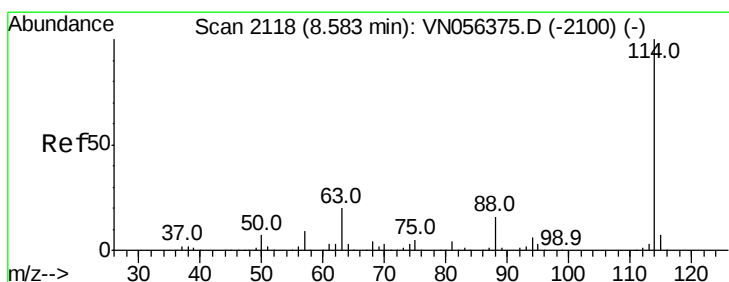
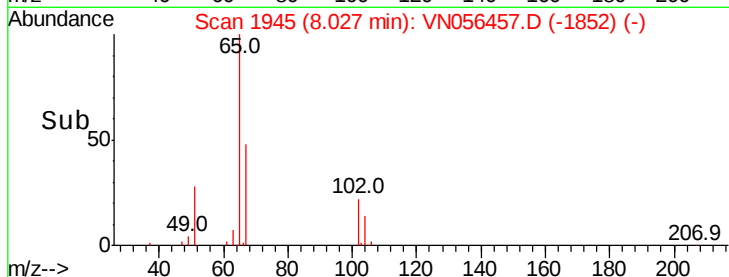
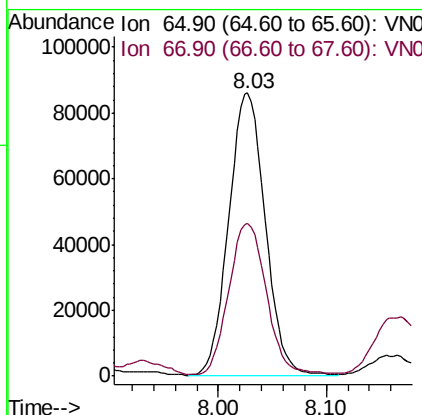
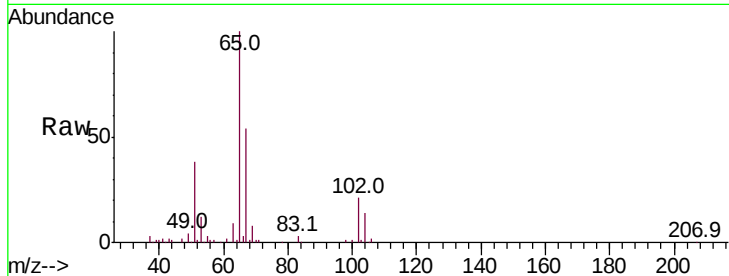
#33
 1,2-Dichloroethane-d4
 Concen: 47.230 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056457.D
 Acq: 24 Jun 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 B-6(17-18)

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.1	0.0	109.0

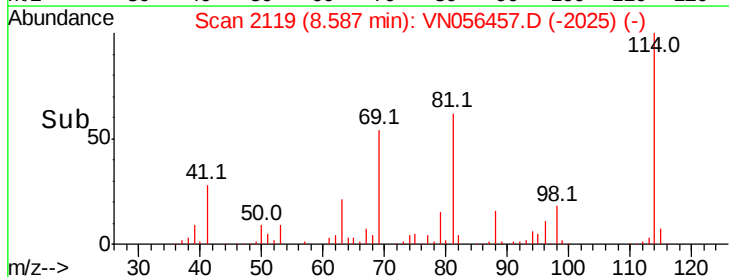
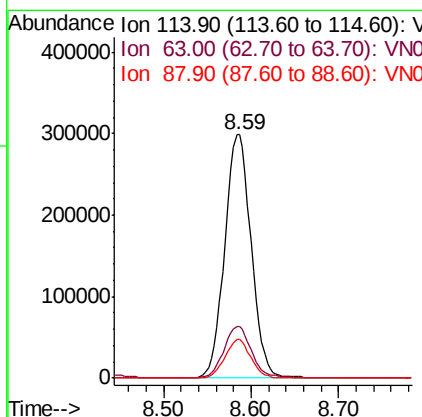
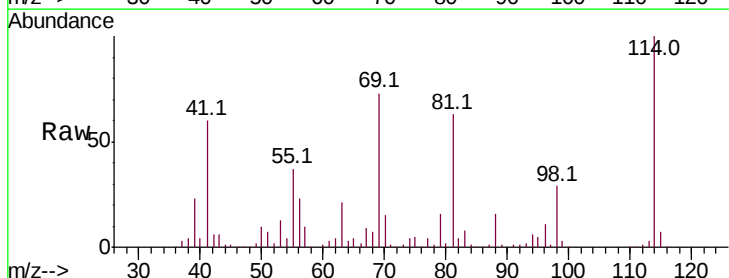
Manual Integrations
 APPROVED

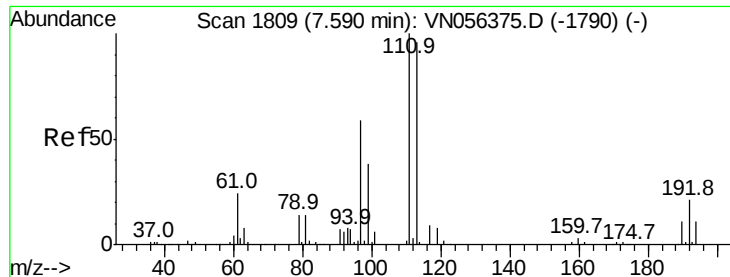
MMDadoda
 7/3/2019 8:53:04 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056457.D
 Acq: 24 Jun 2019 15:46

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	39.2
88	16.0	0.0	31.4





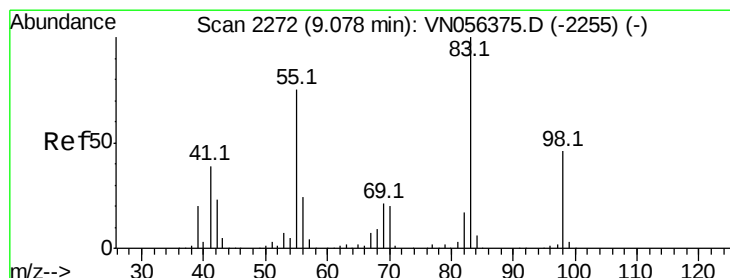
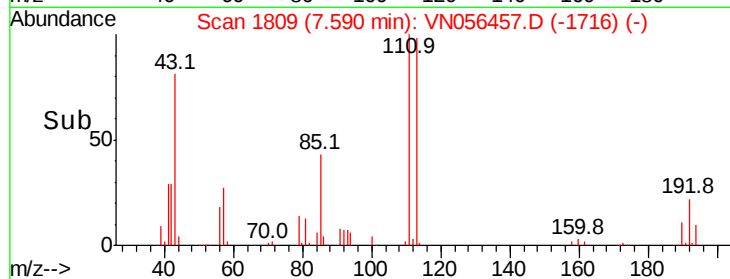
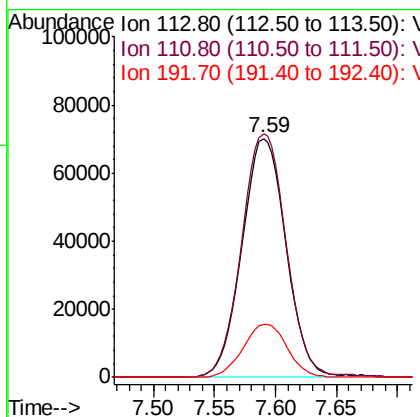
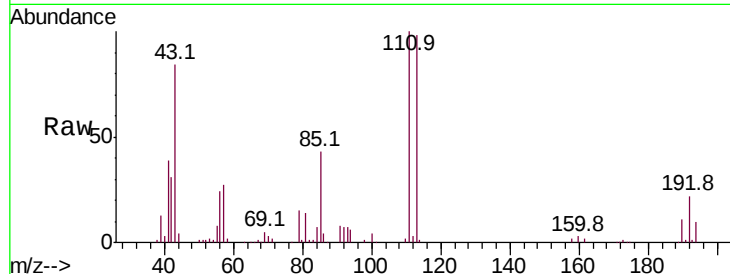
#35
Dibromofluoromethane
Concen: 44.726 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056457.D
Acq: 24 Jun 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
B-6(17-18)

Tot Ion	Ratio	Resp	Lower	Upper
113	100	175199		
111	103.8	82.9	124.3	
192	22.5	17.7	26.5	

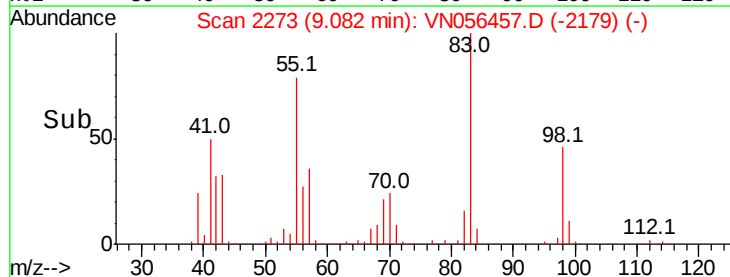
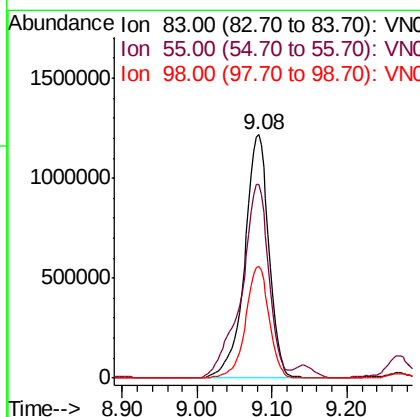
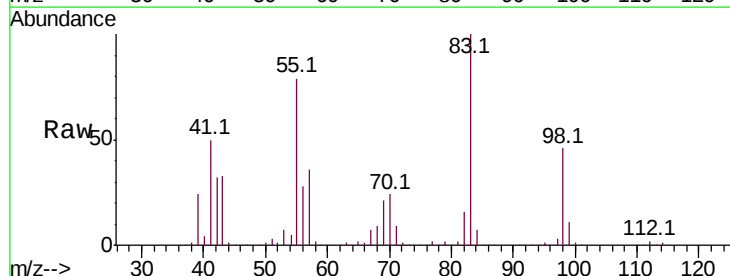
Manual Integrations
APPROVED

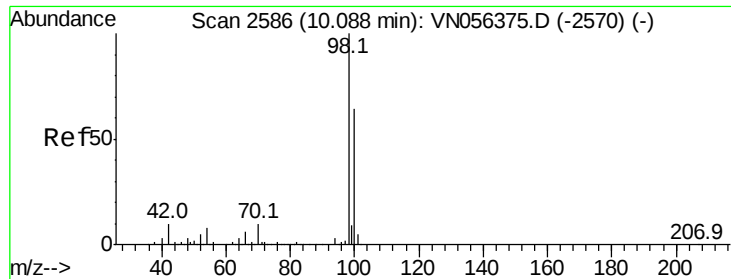
MMDadoda
7/3/2019 8:53:04 AM



#39
Methylcyclohexane
Concen: 401.396 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056457.D
Acq: 24 Jun 2019 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	2737358		
55	79.3	60.0	90.0	
98	45.9	36.6	54.8	





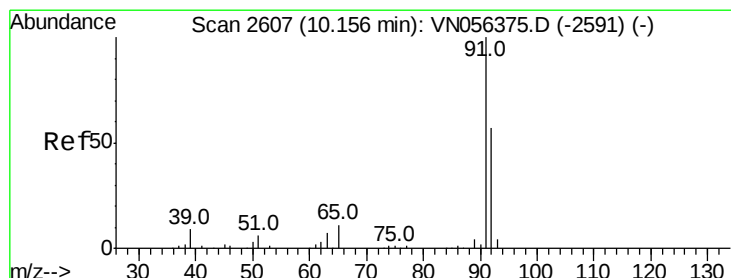
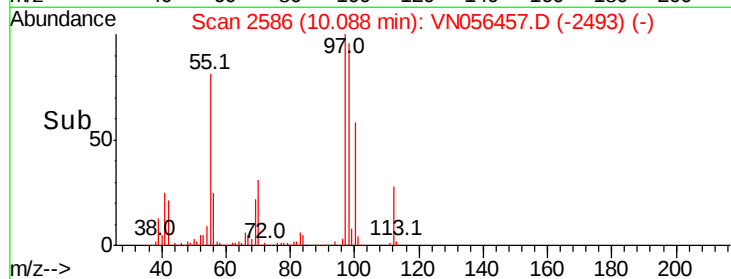
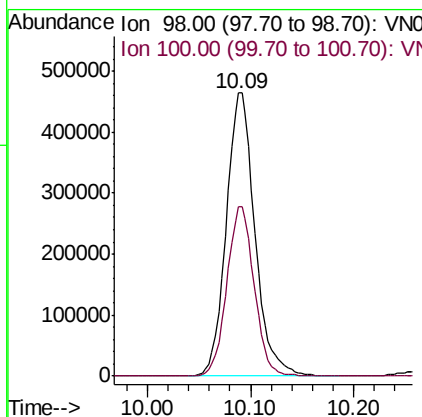
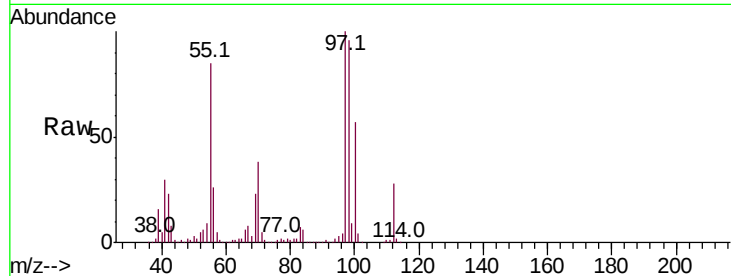
#50
Toluene-d8
Concen: 58.845 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056457.D
Acq: 24 Jun 2019 15:46

Instrument :
MSVOA_N
ClientSampled :
B-6(17-18)

Tot Ion: 98 Resp: 896915
Ion Ratio Lower Upper
98 100
100 57.3 52.2 78.2

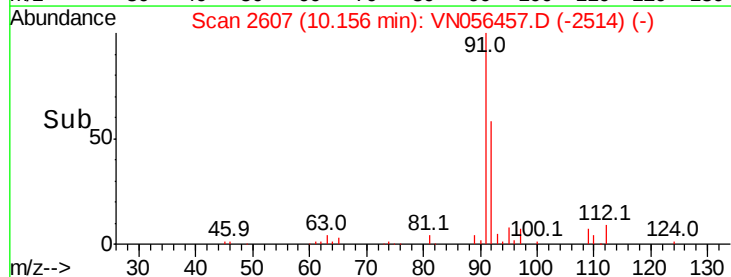
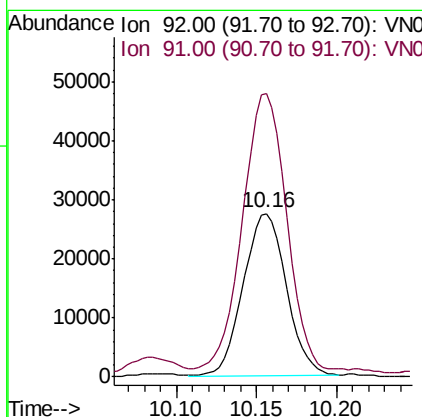
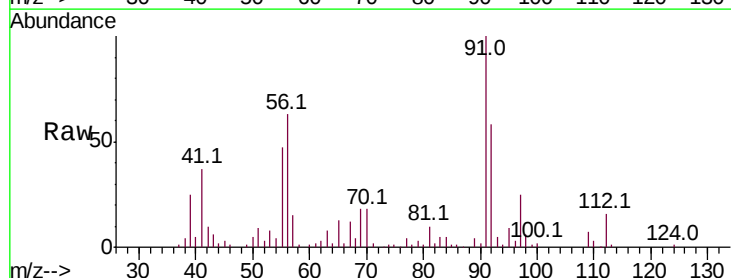
Manual Integrations
APPROVED

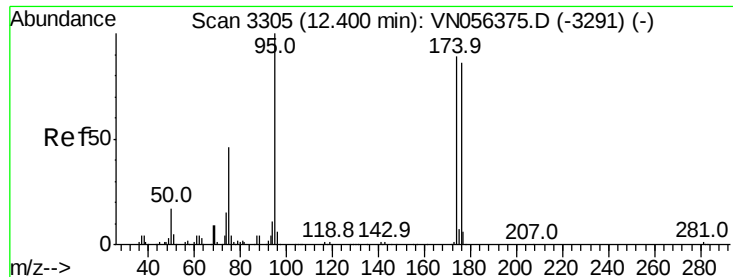
MMDadoda
7/3/2019 8:53:04 AM



#52
Toluene
Concen: 4.904 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN056457.D
Acq: 24 Jun 2019 15:46

Tgt Ion: 92 Resp: 50967
Ion Ratio Lower Upper
92 100
91 174.0 140.6 211.0





#62

4-Bromofluorobenzene

Concen: 64.742 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056457.D

Acq: 24 Jun 2019 15:46

Instrument :

MSVOA_N

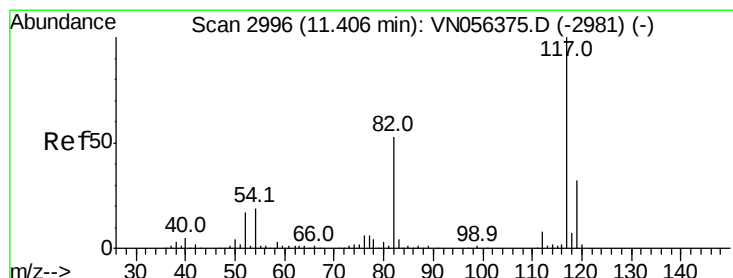
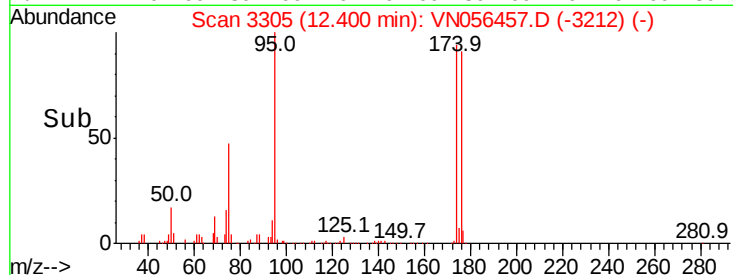
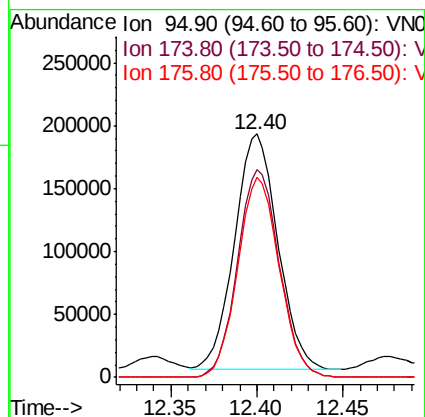
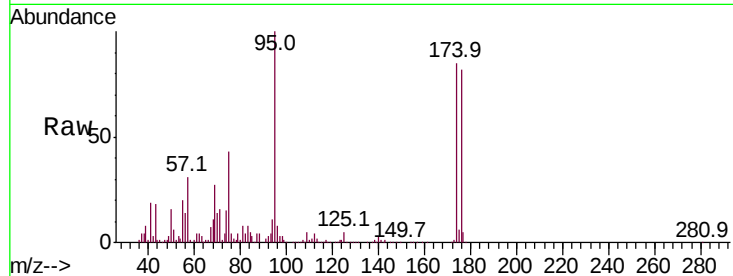
ClientSampled :

B-6(17-18)

Tot Ion:	95	Resp:	328955
Ion Ratio	Lower	Upper	
95	100		
174	85.1	0.0	179.4
176	81.3	0.0	173.4

Manual Integrations
APPROVED

MMDadoda
7/3/2019 8:53:04 AM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

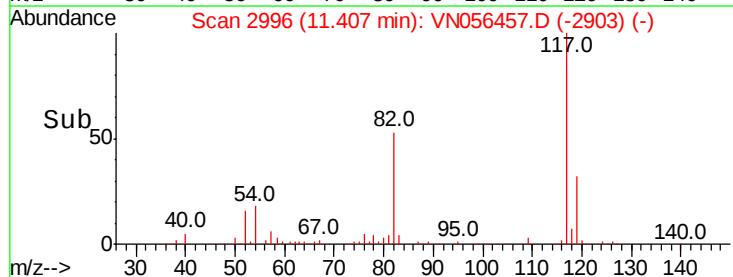
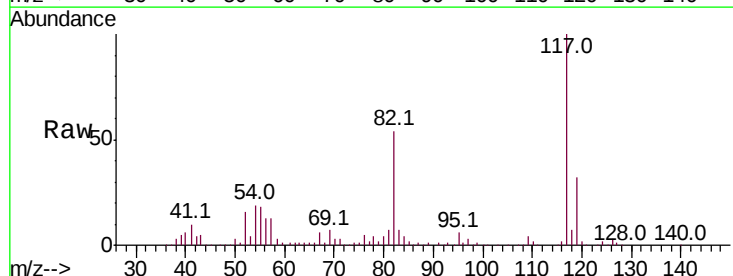
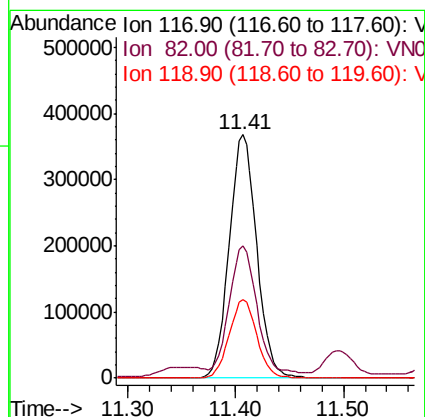
RT: 11.41 min Scan# 2996

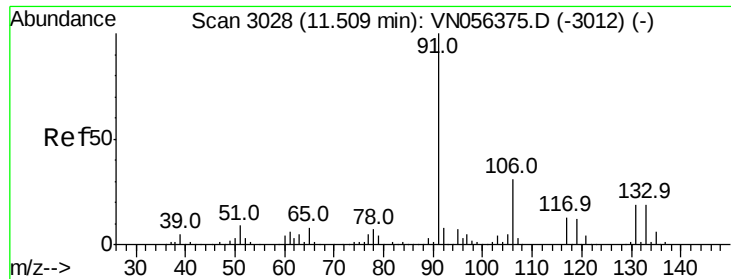
Delta R.T. 0.00 min

Lab File: VN056457.D

Acq: 24 Jun 2019 15:46

Tgt Ion:	117	Resp:	652852
Ion Ratio	Lower	Upper	
117	100		
82	50.1	42.0	63.0
119	32.4	25.3	37.9





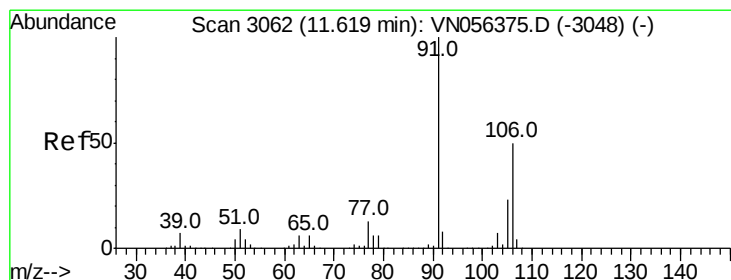
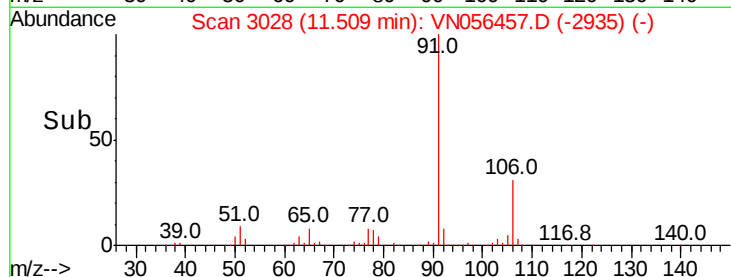
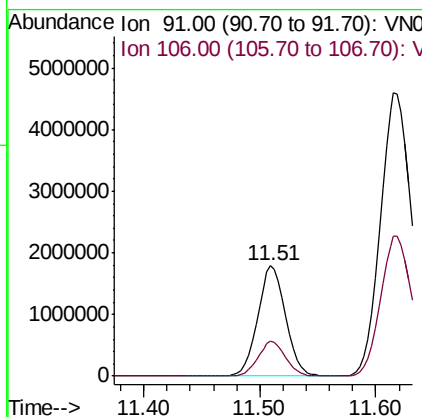
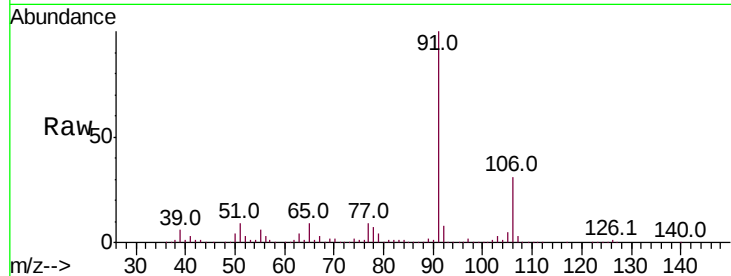
#67
Ethyl Benzene
Concen: 129.708 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056457.D
Acq: 24 Jun 2019 15:46

Instrument :
MSVOA_N
ClientSampled :
B-6(17-18)

Tot Ion: 91 Resp: 2987642
Ion Ratio Lower Upper
91 100
106 31.4 25.1 37.7

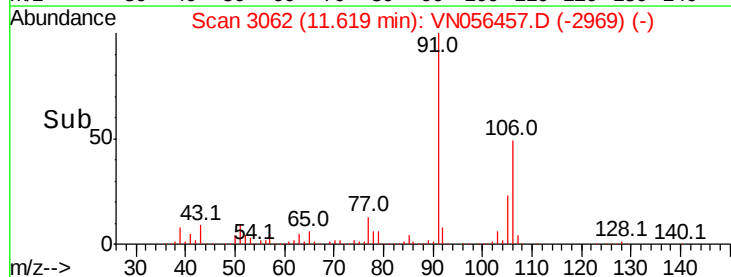
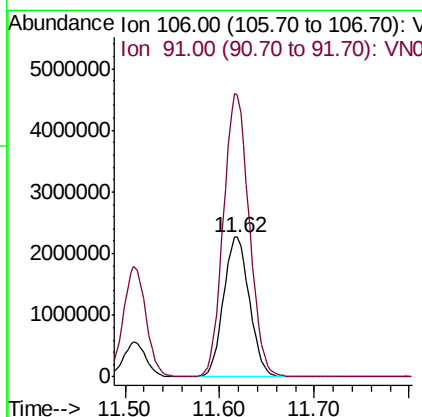
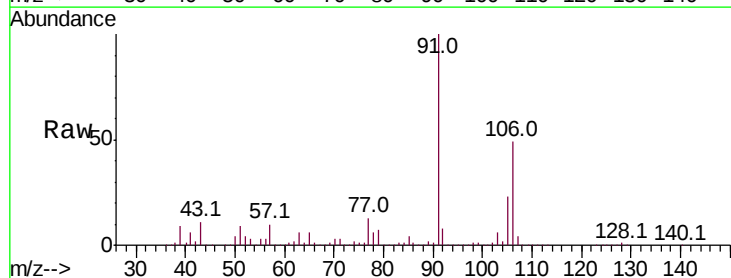
Manual Integrations
APPROVED

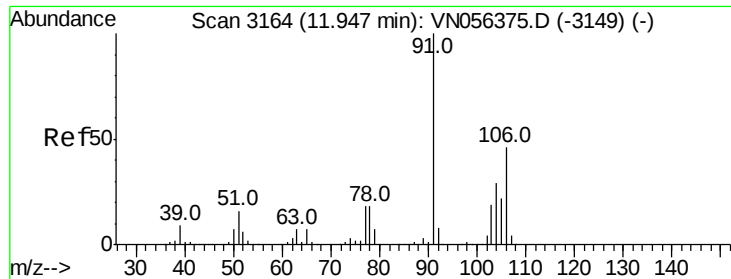
MMDadoda
7/3/2019 8:53:04 AM



#68
m/p-Xylenes
Concen: 510.540 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056457.D
Acq: 24 Jun 2019 15:46

Tgt Ion: 106 Resp: 4309628
Ion Ratio Lower Upper
106 100
91 201.6 160.1 240.1





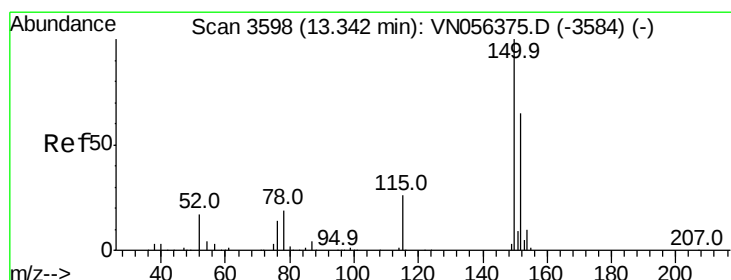
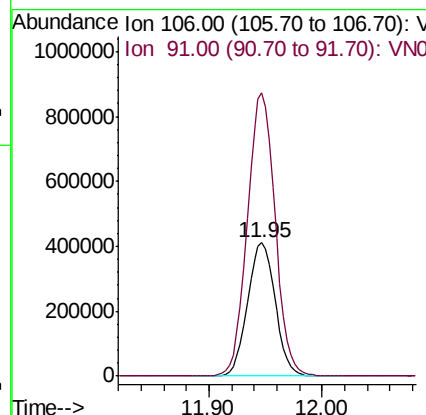
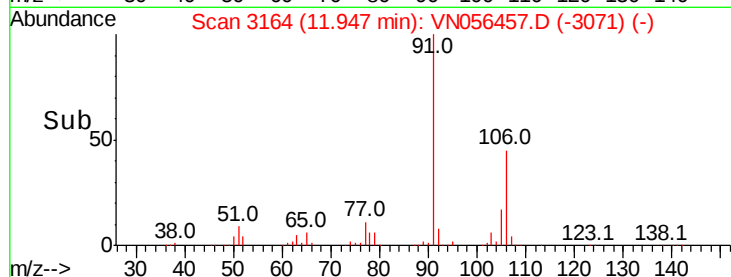
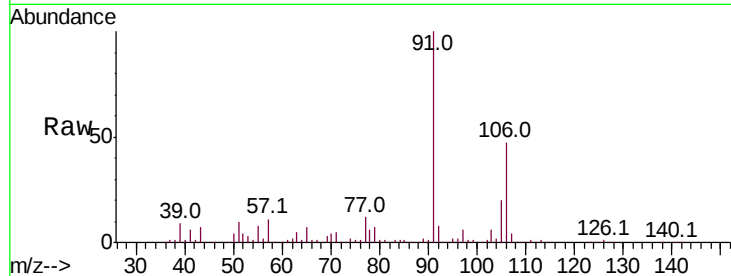
#69
o-Xylene
Concen: 83.683 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056457.D
Acq: 24 Jun 2019 15:46

Instrument :
MSVOA_N
ClientSampled :
B-6(17-18)

Tot Ion:106 Resp: 698863
Ion Ratio Lower Upper
106 100
91 212.6 107.1 321.3

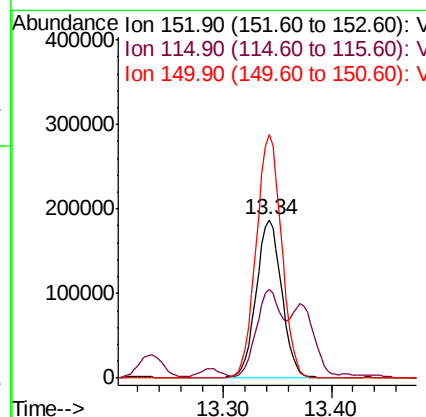
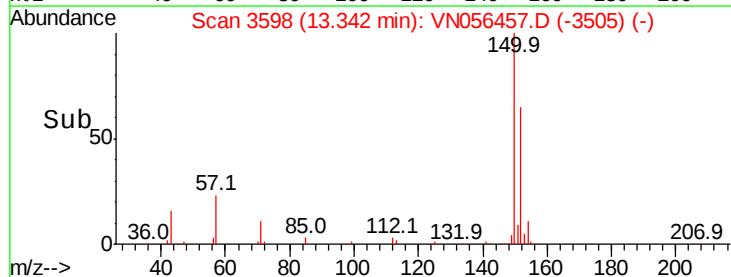
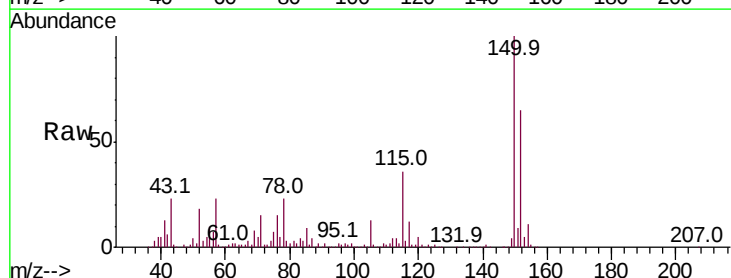
Manual Integrations
APPROVED

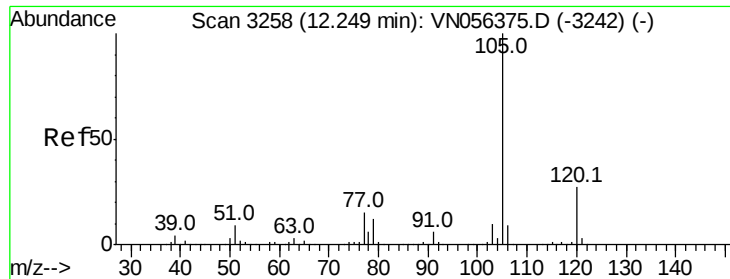
MMDadoda
7/3/2019 8:53:04 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056457.D
Acq: 24 Jun 2019 15:46

Tgt Ion:152 Resp: 306587
Ion Ratio Lower Upper
152 100
115 54.6 28.1 84.4
150 152.9 0.0 348.4





#73

Isopropylbenzene

Concen: 44.719 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN056457.D

Acq: 24 Jun 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

B-6(17-18)

Tot Ion:105 Resp: 1036315

Ion Ratio Lower Upper

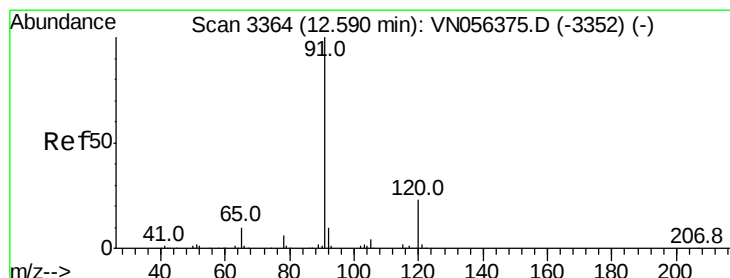
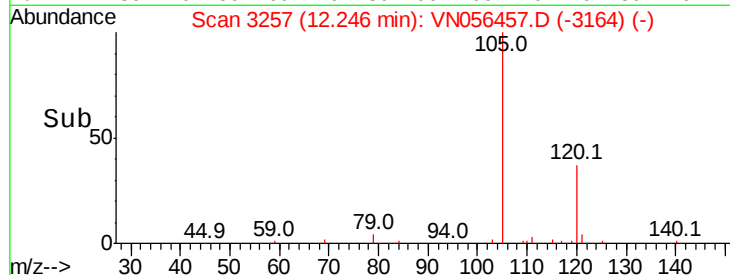
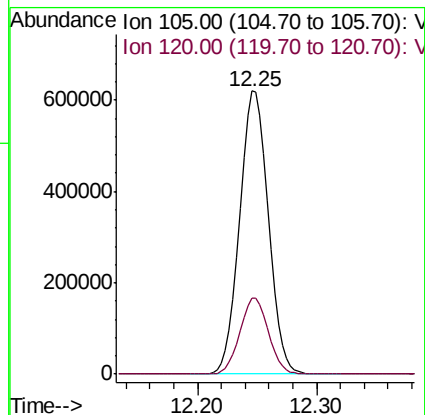
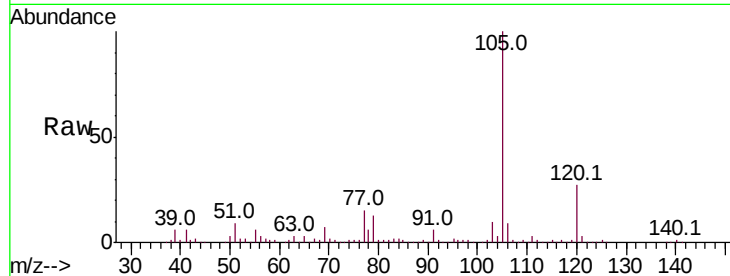
105 100

120 26.7 13.4 40.2

Manual Integrations
APPROVED

MMDadoda

7/3/2019 8:53:04 AM



#78

n-propylbenzene

Concen: 149.307 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056457.D

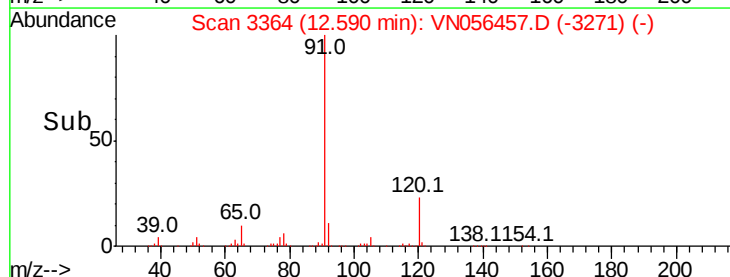
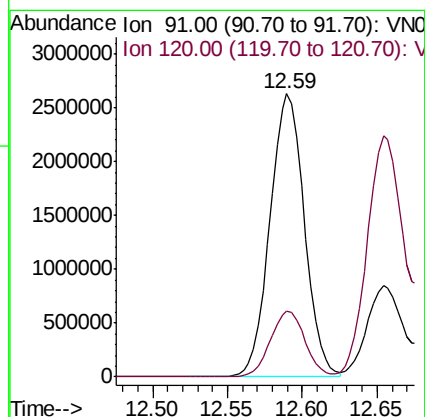
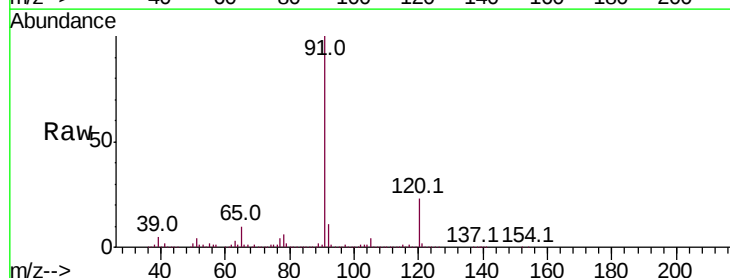
Acq: 24 Jun 2019 15:46

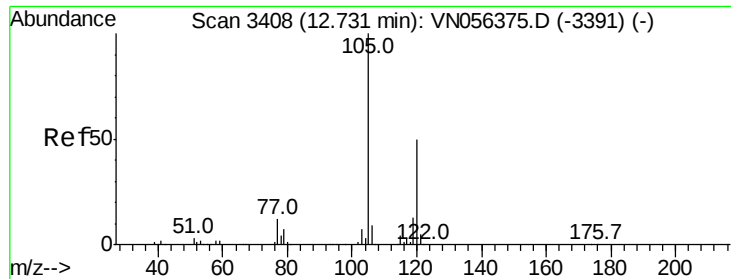
Tgt Ion: 91 Resp: 4191945

Ion Ratio Lower Upper

91 100

120 23.4 11.8 35.4





#80

1,3,5-Trimethylbenzene

Concen: 260.387 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056457.D

Acq: 24 Jun 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

B-6(17-18)

Tot Ion:105 Resp: 4840656

Ion Ratio Lower Upper

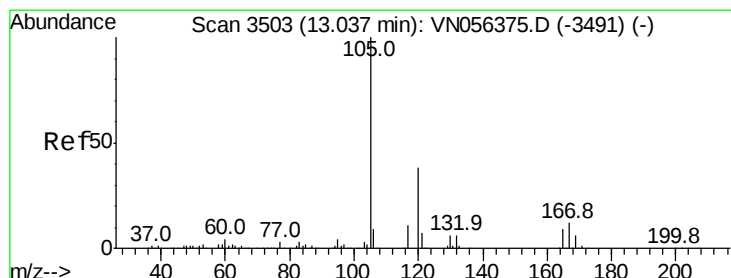
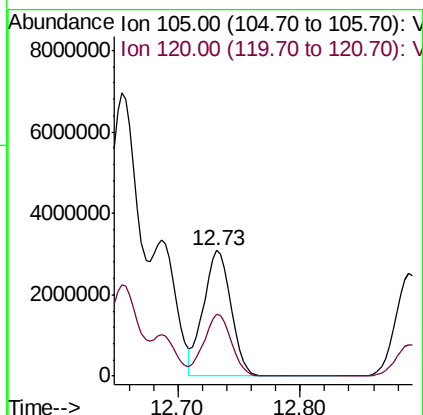
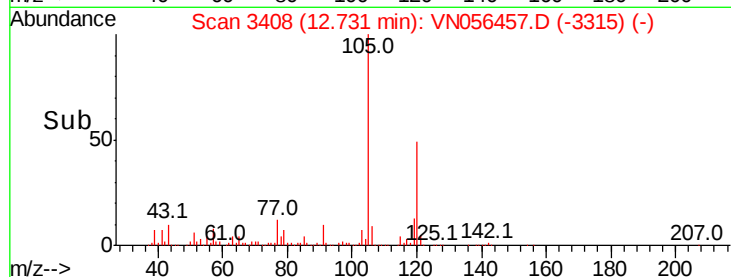
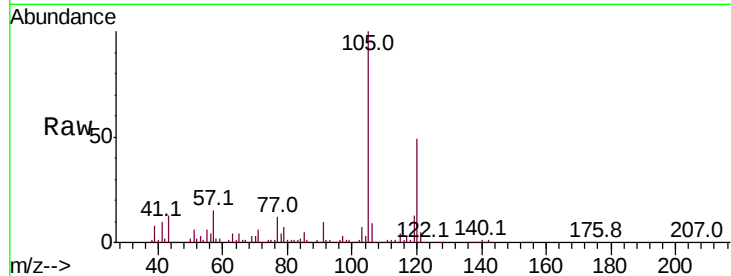
105 100

120 49.1 24.8 74.4

Manual Integrations
APPROVED

MMDadoda

7/3/2019 8:53:04 AM



#84

1,2,4-Trimethylbenzene

Concen: 732.549 ug/l

RT: 13.03 min Scan# 3502

Delta R.T. -0.00 min

Lab File: VN056457.D

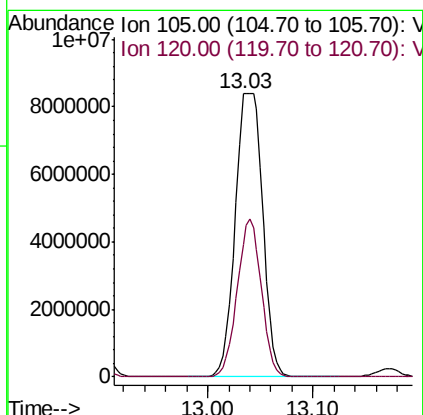
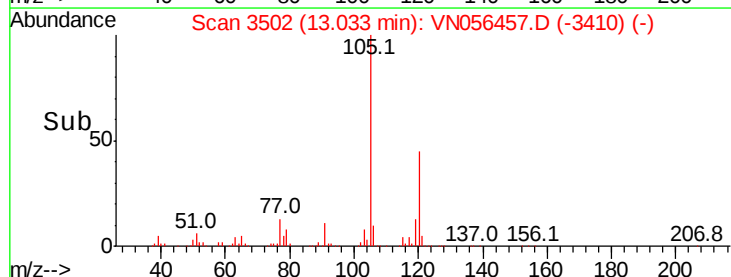
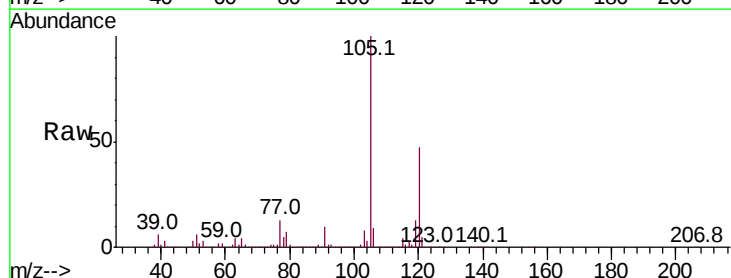
Acq: 24 Jun 2019 15:46

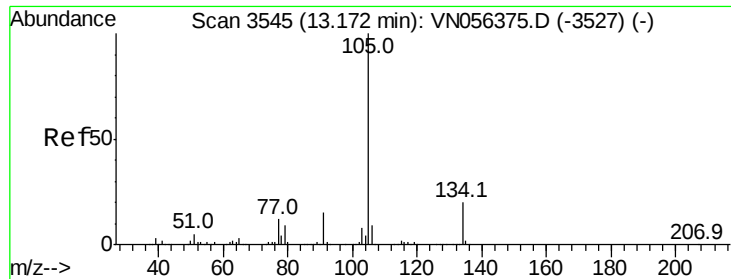
Tgt Ion:105 Resp:15119325

Ion Ratio Lower Upper

105 100

120 48.9 22.9 68.8





#85

sec-Butylbenzene

Concen: 16.267 ug/l m

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056457.D

Acq: 24 Jun 2019 15:46

Instrument :

MSVOA_N

ClientSampled :

B-6(17-18)

Tot Ion:105 Resp: 401428

Ion Ratio Lower Upper

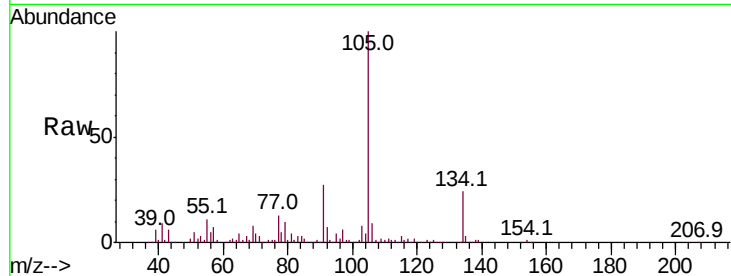
105 100

134 0.0 10.2 30.4#

Manual Integrations
APPROVED

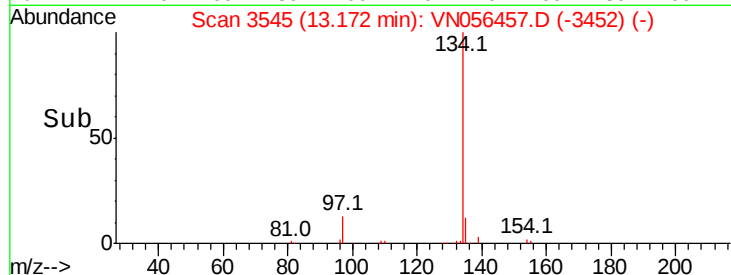
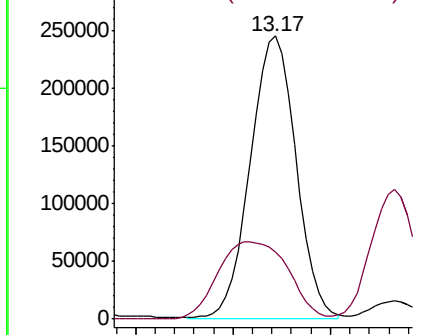
MMDadoda

7/3/2019 8:53:04 AM

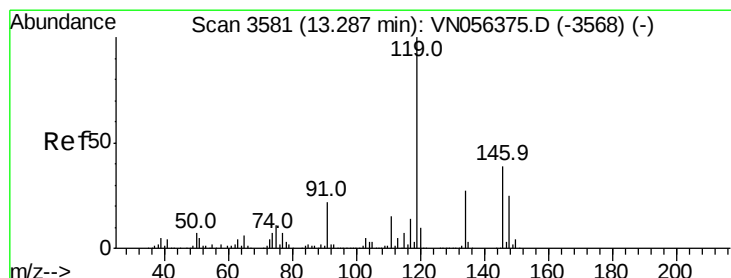


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 10.571 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056457.D

Acq: 24 Jun 2019 15:46

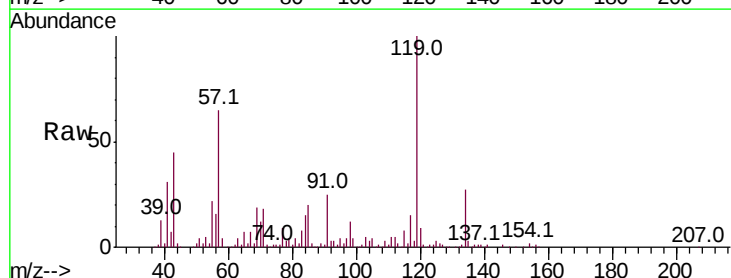
Tgt Ion:119 Resp: 223873

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

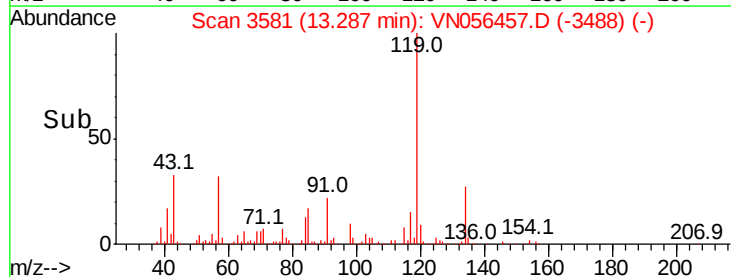
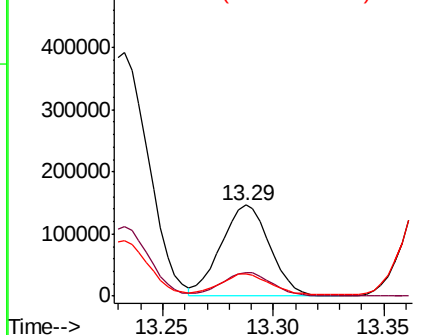
91 23.7 11.2 33.5



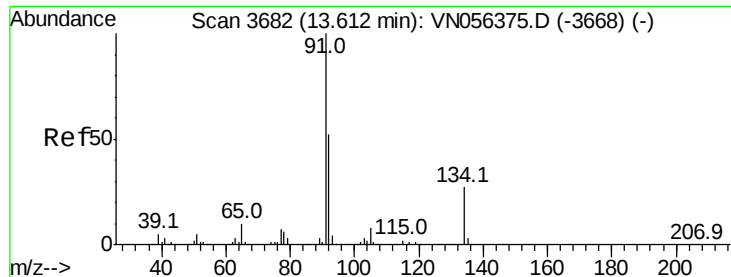
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->



#89

n-Butylbenzene

Concen: 46.261 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056457.D

Acq: 24 Jun 2019 15:46

Instrument :

MSVOA_N

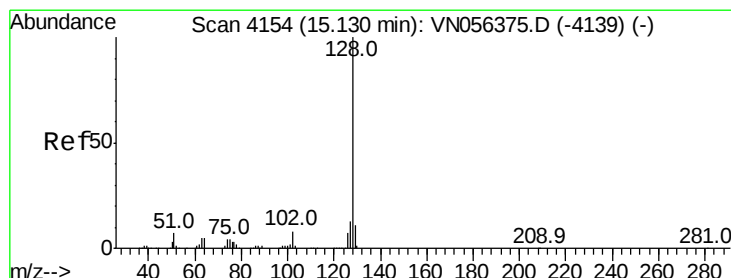
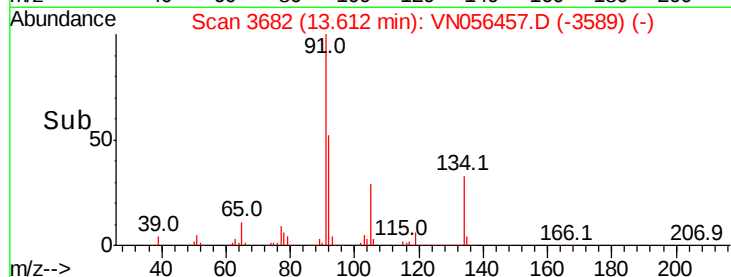
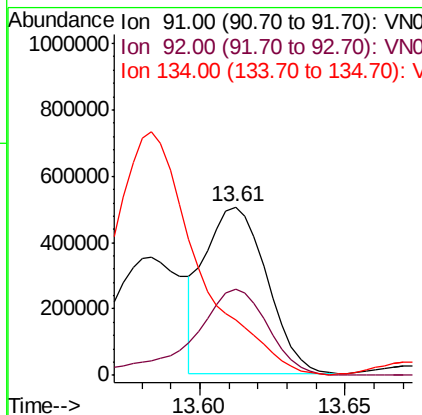
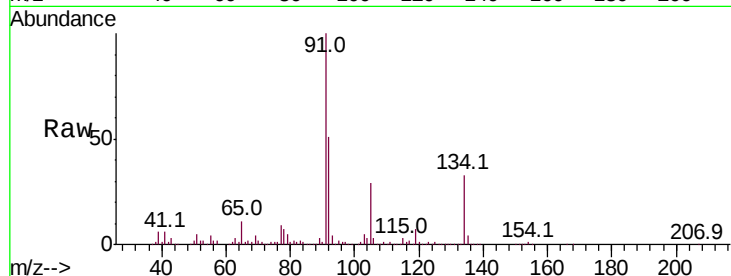
ClientSampled :

B-6(17-18)

Tot Ion:	91	Resp:	741665
Ion Ratio	Lower	Upper	
91	100		
92	62.7	26.2	78.5
134	0.0	13.4	40.2#

Manual Integrations
APPROVED

MMDadoda
7/3/2019 8:53:04 AM



#95

Naphthalene

Concen: 80.025 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056457.D

Acq: 24 Jun 2019 15:46

Tgt Ion:	128	Resp:	1171976
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	11.1	8.6	12.8

