

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX062019\
 Data File : VX010363.D
 Acq On : 20 Jun 2019 17:35
 Operator : JC/SP
 Sample : K3469-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-MW-1-9.0-061919

Manual Integrations
 APPROVED

MMDadoda
 6/21/2019 11:35:18 AM

Quant Time: Jun 28 19:10:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	315502	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	476658	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	428617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	201740	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	143426	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	
35) Dibromofluoromethane	5.50	113	144272	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
50) Toluene-d8	8.71	98	561123	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
62) 4-Bromofluorobenzene	11.13	95	189540	47.05	ug/l	0.00
Spiked Amount			Recovery	=	94.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.44	43	33089	22.319	ug/l	96
18) Methyl Acetate	2.78	43	2710	0.917	ug/l	99
25) 2-Butanone	4.68	43	20542	9.446	ug/l	92
31) Cyclohexane	5.59	56	45499	10.648	ug/l #	91
39) Methylcyclohexane	7.46	83	58781	11.806	ug/l	92
40) Benzene	6.14	78	47607	4.034	ug/l	97
52) Toluene	8.78	92	4695	0.604	ug/l	97
67) Ethyl Benzene	10.25	91	5183	0.353	ug/l	99
68) m/p-Xylenes	10.36	106	11540	2.027	ug/l	97
73) Isopropylbenzene	11.02	105	82064	6.001	ug/l	99
78) n-propylbenzene	11.36	91	154955	10.310	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	3684	0.327	ug/l	97
83) tert-Butylbenzene	11.77	119	7707	0.681	ug/l	90
84) 1,2,4-Trimethylbenzene	11.80	105	4620	0.408	ug/l	94
85) sec-Butylbenzene	11.94	105	25417	1.913	ug/l	94
89) n-Butylbenzene	12.38	91	12648m	1.211	ug/l	
95) Naphthalene	13.83	128	52111	3.691	ug/l	97

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

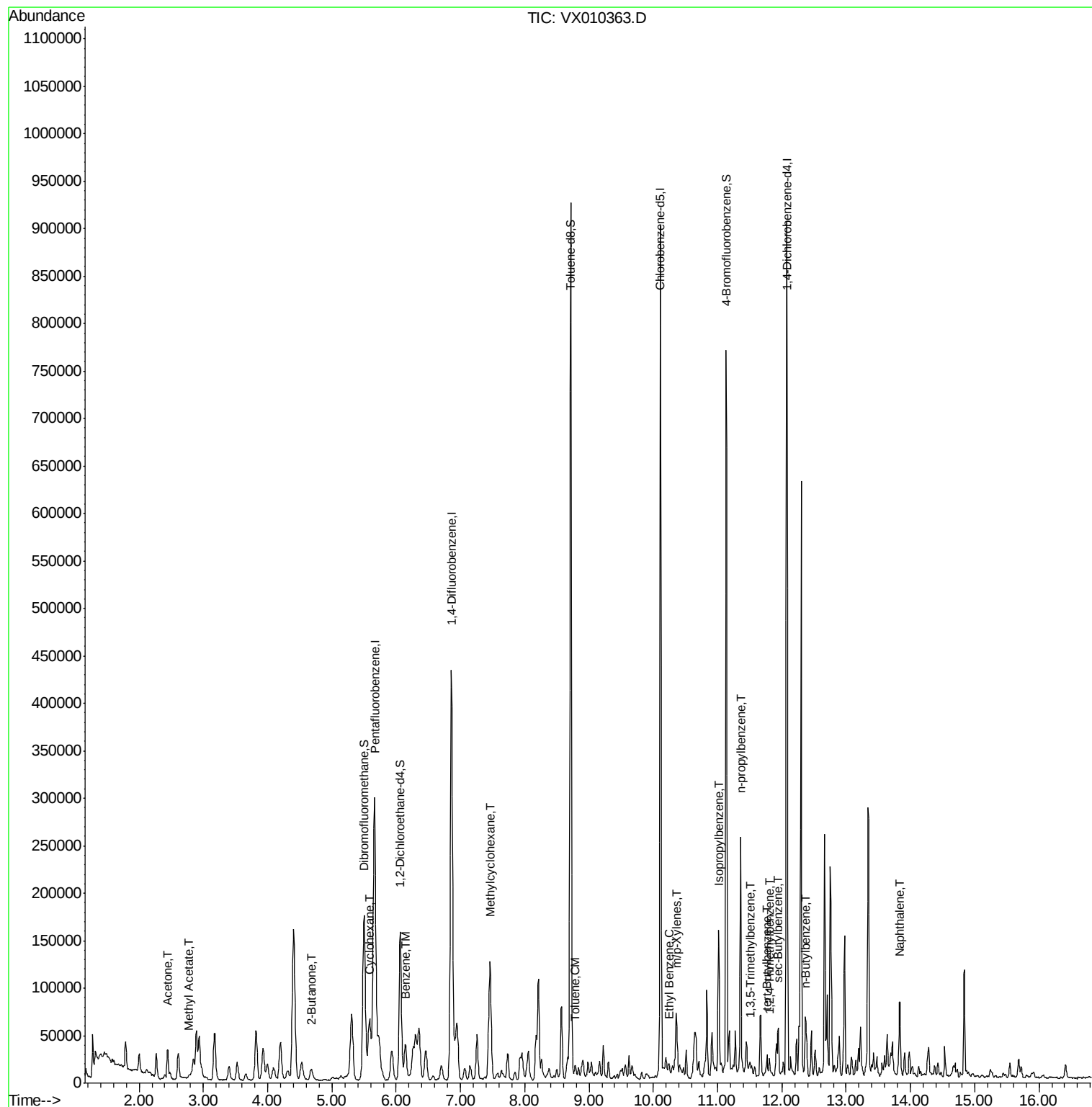
Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX062019\
Data File : VX010363.D
Acq On : 20 Jun 2019 17:35
Operator : JC/SP
Sample : K3469-11
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

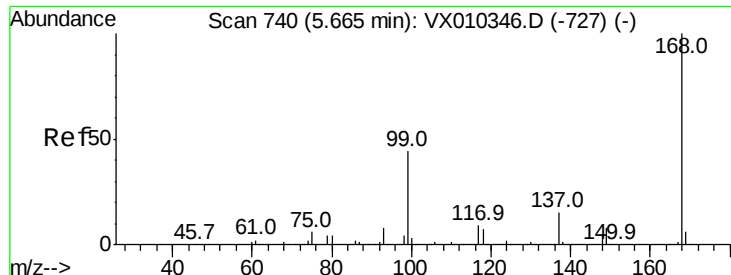
Instrument :
MSVOA_X
ClientSampleId :
T3-MW-1-9.0-061919

Manual Integrations
APPROVED

MMDadoda
6/21/2019 11:35:18 AM

Quant Time: Jun 28 19:10:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010363.D

Acq: 20 Jun 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-1-9.0-061919

Tot Ion:168 Resp: 315502

Ion Ratio Lower Upper

168 100

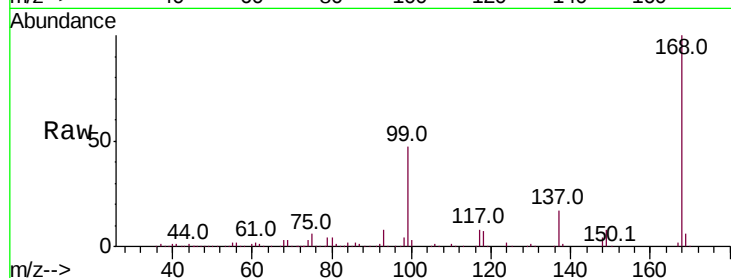
99 46.6 35.5 53.3

Manual Integrations

APPROVED

MMDadoda

6/21/2019 11:35:18 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

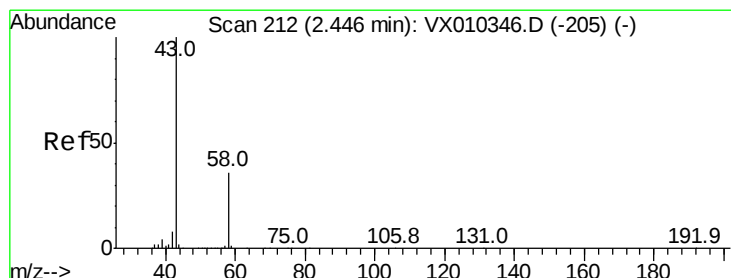
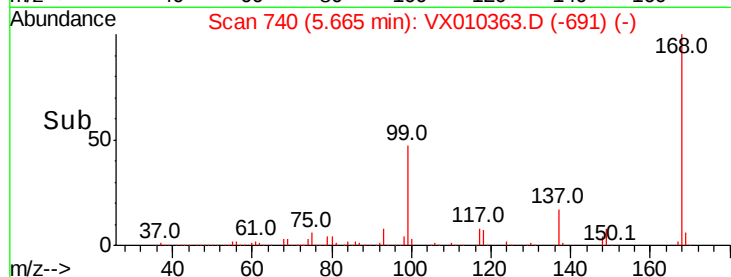
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 22.319 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010363.D

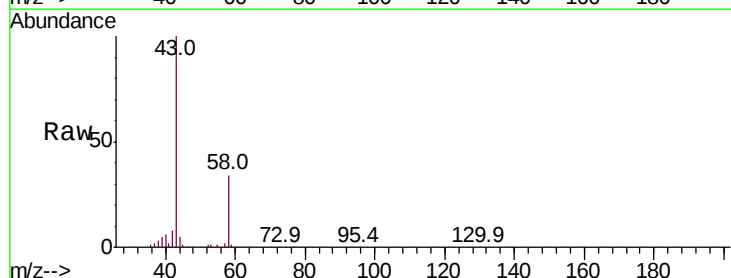
Acq: 20 Jun 2019 17:35

Tgt Ion: 43 Resp: 33089

Ion Ratio Lower Upper

43 100

58 34.0 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

20000

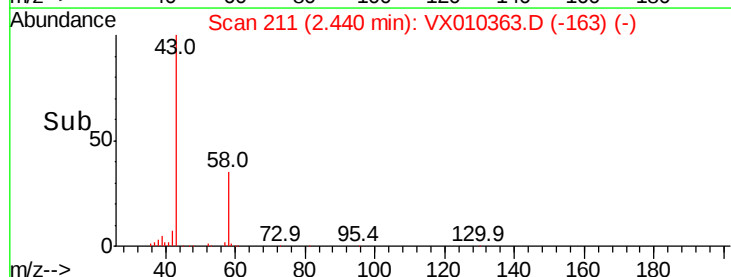
15000

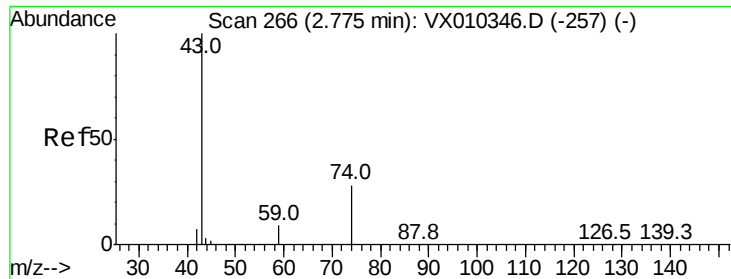
10000

5000

0

Time--> 2.40 2.45 2.50 2.55





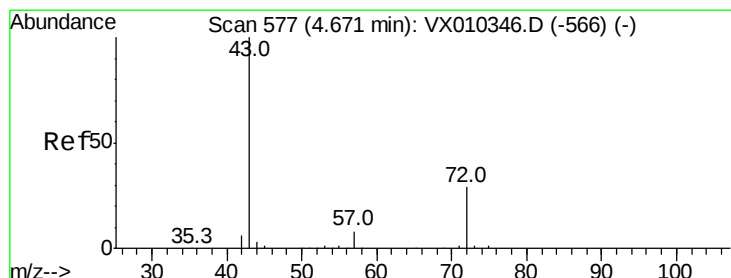
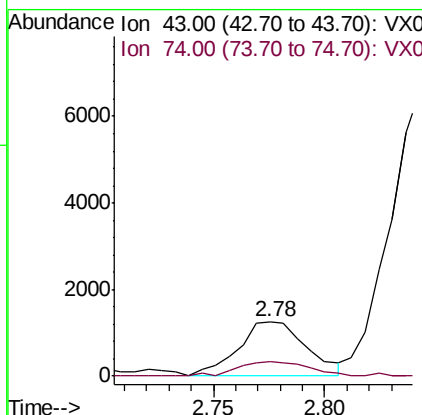
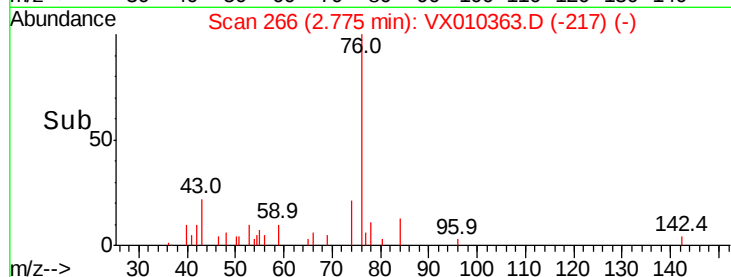
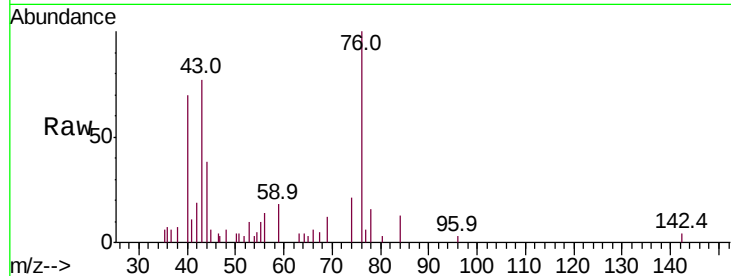
#18
Methyl Acetate
Concen: 0.917 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

Instrument :
MSVOA_X
ClientSampleId :
T3-MW-1-9.0-061919

Tot Ion: 43 Resp: 2710
Ion Ratio Lower Upper
43 100
74 27.1 21.3 31.9

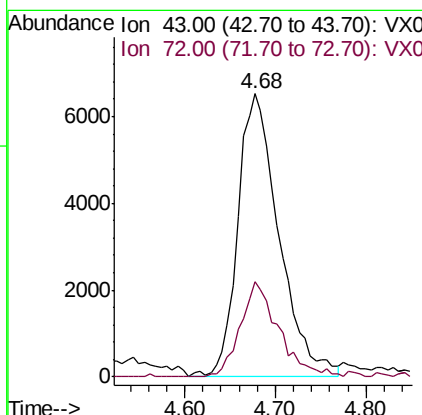
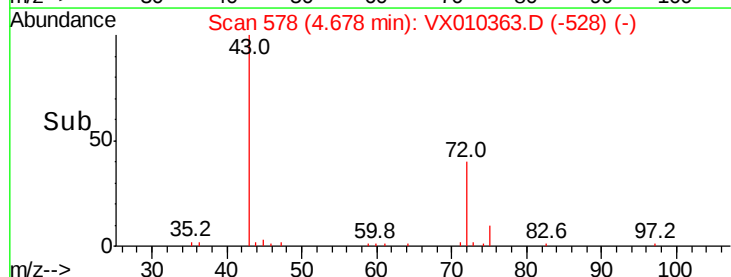
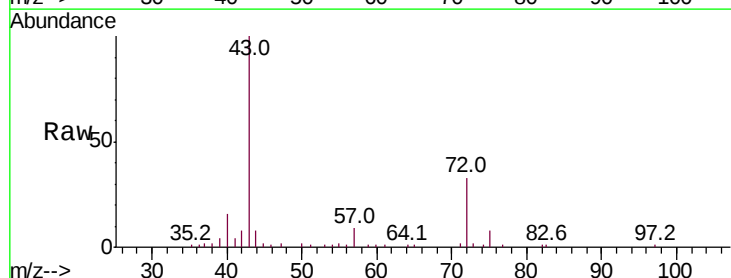
Manual Integrations
APPROVED

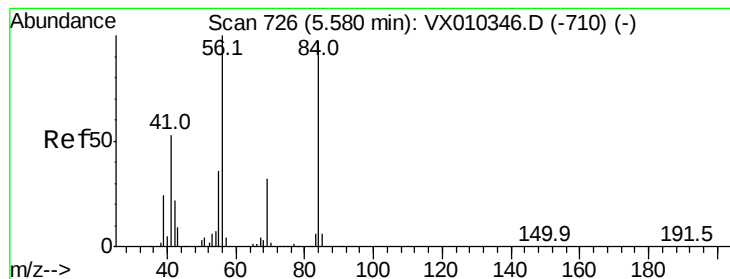
MMDadoda
6/21/2019 11:35:18 AM



#25
2-Butanone
Concen: 9.446 ug/l
RT: 4.68 min Scan# 578
Delta R.T. 0.01 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

Tgt Ion: 43 Resp: 20542
Ion Ratio Lower Upper
43 100
72 33.5 23.3 34.9





#31

Cyclohexane

Concen: 10.648 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX010363.D

Acq: 20 Jun 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-1-9.0-061919

Tot Ion: 56 Resp: 45499

Ion Ratio Lower Upper

56 100

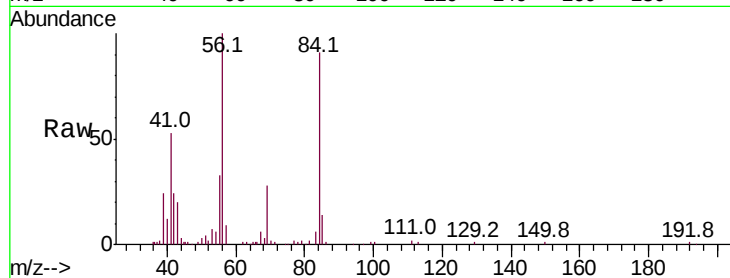
69 23.1 25.9 38.9#

84 91.7 78.0 117.0

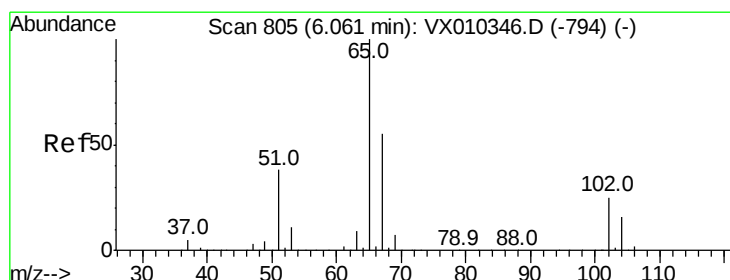
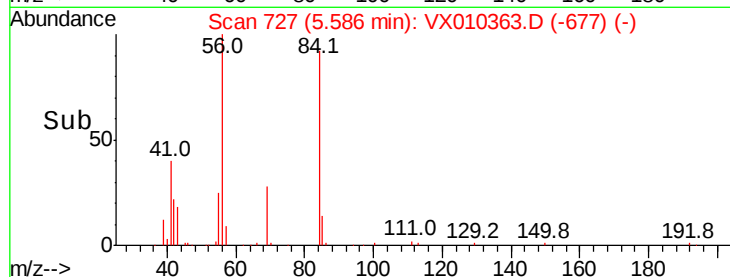
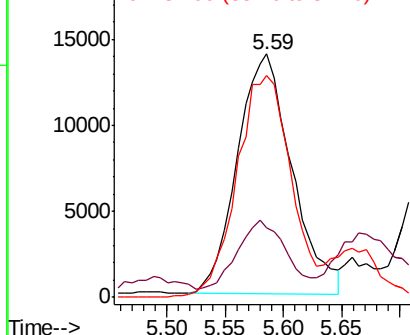
Manual Integrations
APPROVED

MMDadoda

6/21/2019 11:35:18 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.485 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010363.D

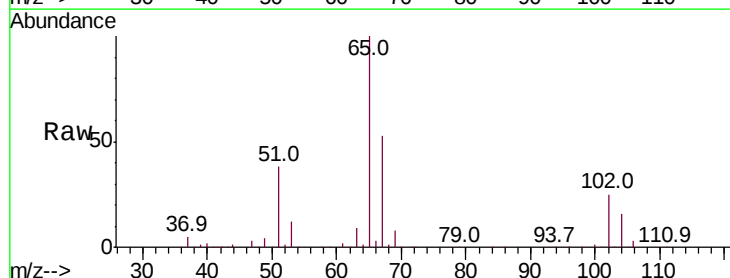
Acq: 20 Jun 2019 17:35

Tgt Ion: 65 Resp: 143426

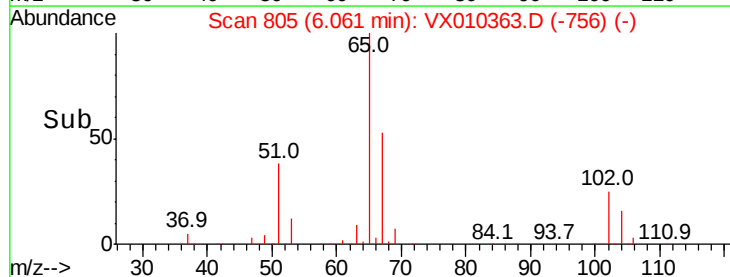
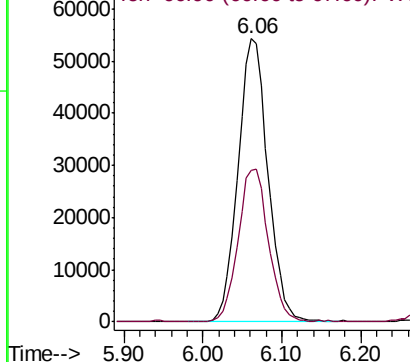
Ion Ratio Lower Upper

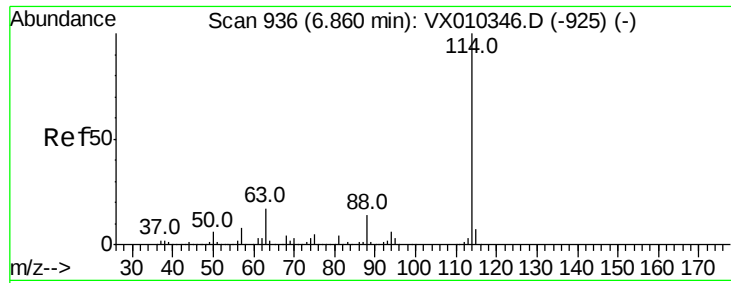
65 100

67 54.5 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





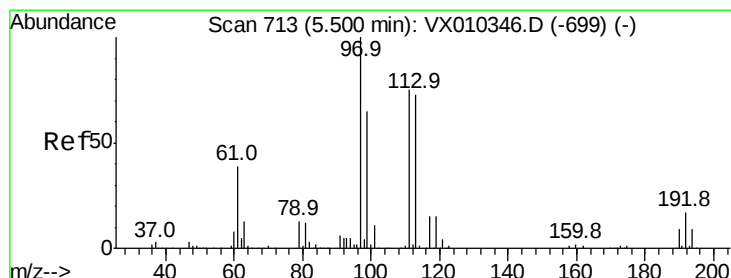
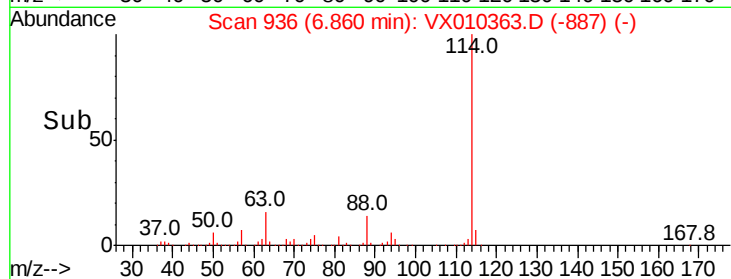
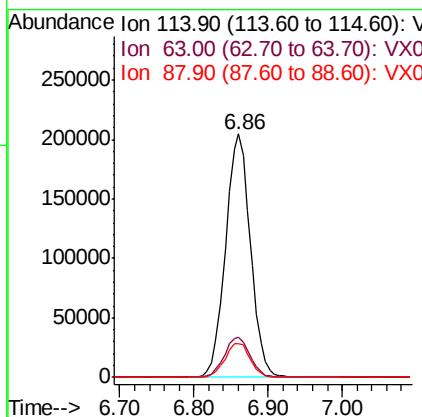
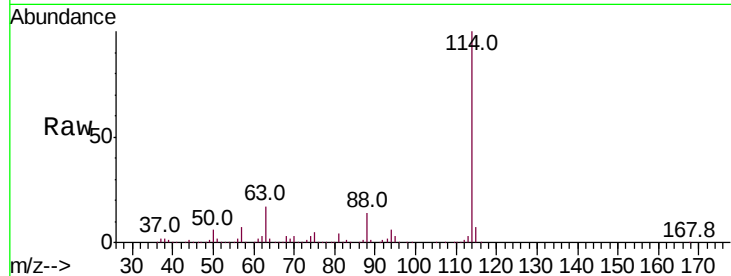
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010363.D
 Acq: 20 Jun 2019 17:35

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-MW-1-9.0-061919

Tot Ion	Ratio	Resp	Lower	Upper
114	100			
63	16.5	0.0	33.8	
88	14.0	0.0	27.6	

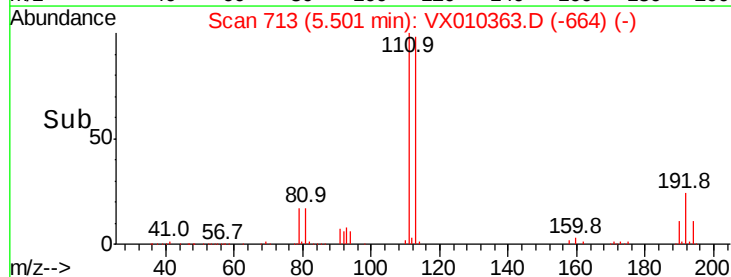
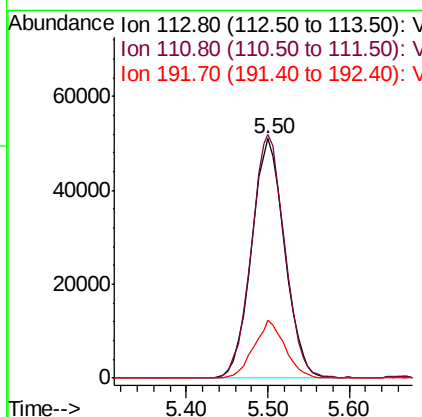
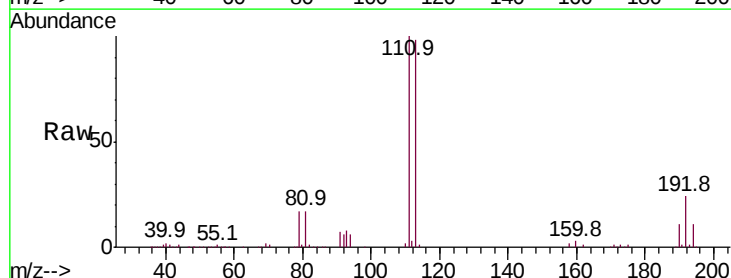
Manual Integrations
 APPROVED

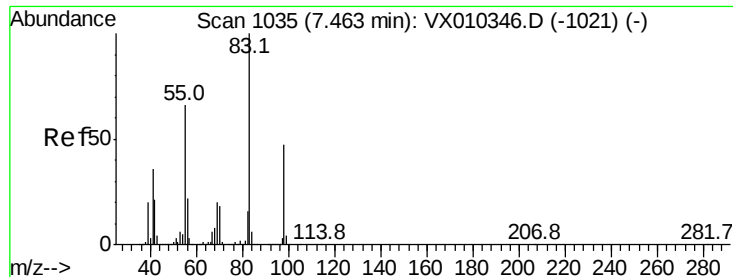
MMDadoda
 6/21/2019 11:35:18 AM



#35
 Dibromofluoromethane
 Concen: 49.470 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010363.D
 Acq: 20 Jun 2019 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.1	81.2	121.8	
192	22.7	18.6	27.8	





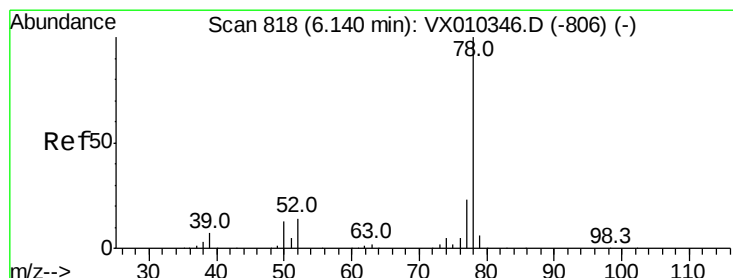
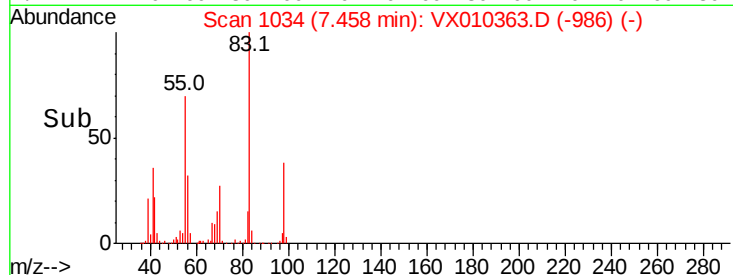
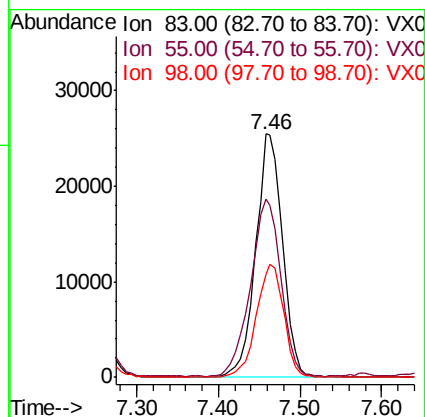
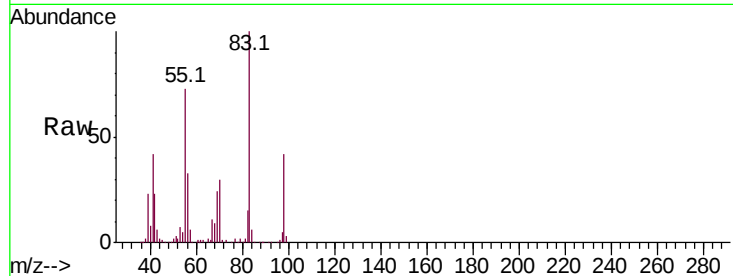
#39
Methvlcvclohexane
Concen: 11.806 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

Instrument :
MSVOA_X
ClientSampleId :
T3-MW-1-9.0-061919

Tot Ion	83	Resp	58781
Ion Ratio	100	Lower	Upper
83	100		
55	72.6	53.0	79.6
98	42.2	37.8	56.8

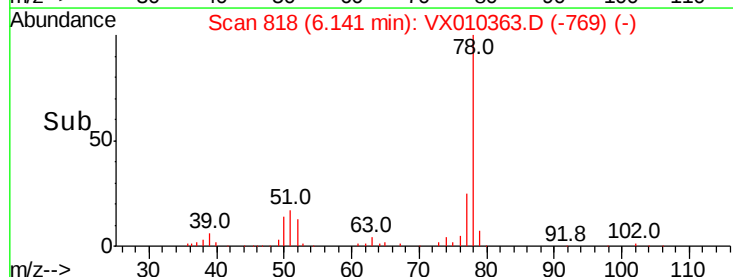
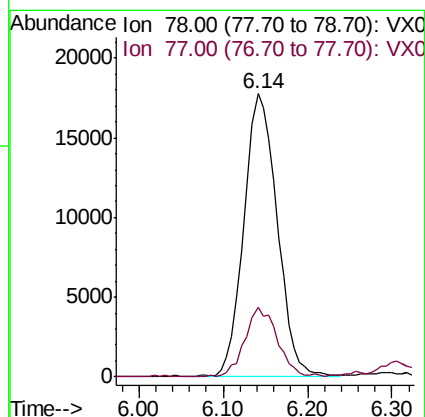
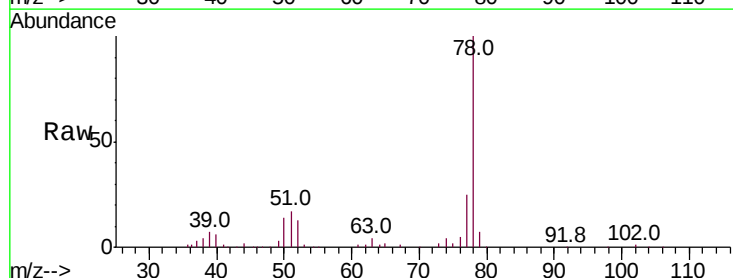
Manual Integrations
APPROVED

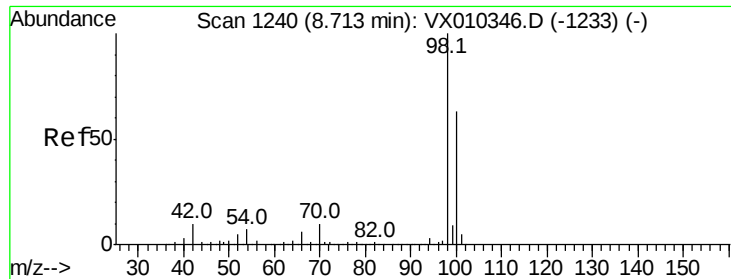
MMDadoda
6/21/2019 11:35:18 AM



#40
Benzene
Concen: 4.034 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

Tgt Ion	78	Resp	47607
Ion Ratio	100	Lower	Upper
78	100		
77	24.7	18.6	28.0





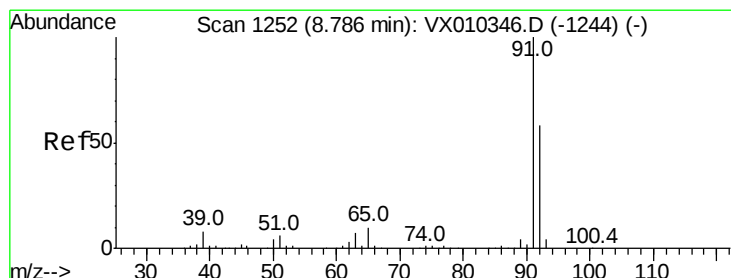
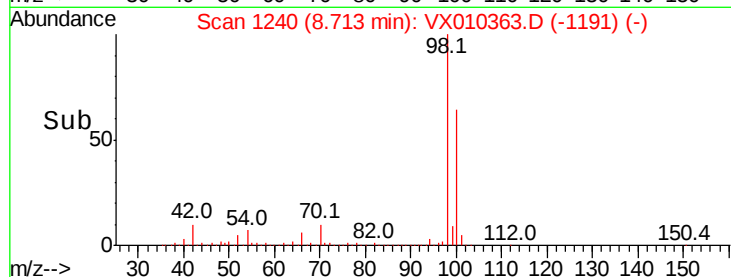
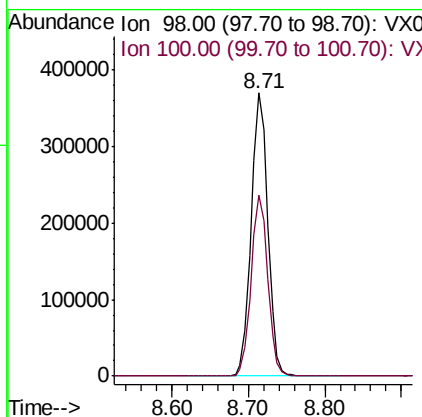
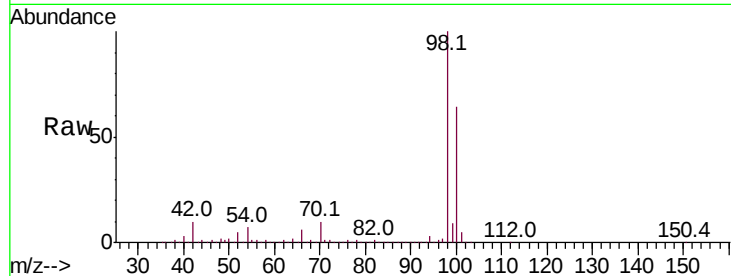
#50
Toluene-d8
Concen: 50.291 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

Instrument :
MSVOA_X
ClientSampleId :
T3-MW-1-9.0-061919

Tot Ion: 98 Resp: 561123
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4

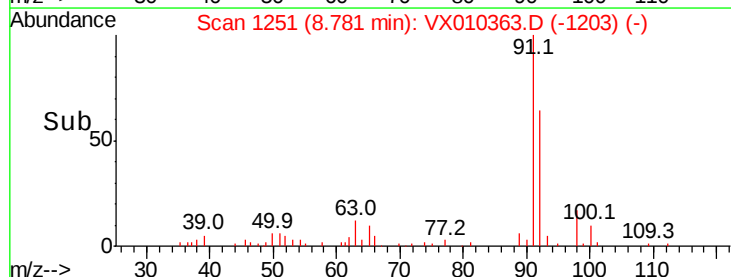
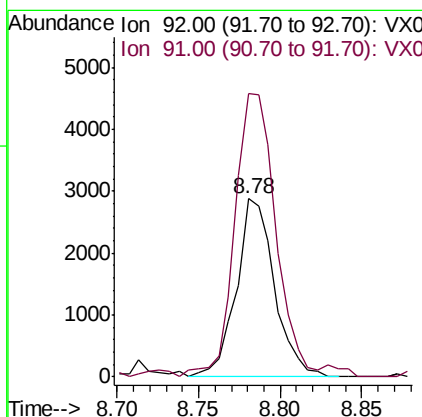
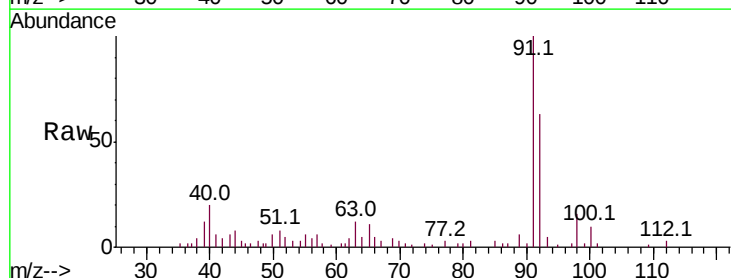
Manual Integrations
APPROVED

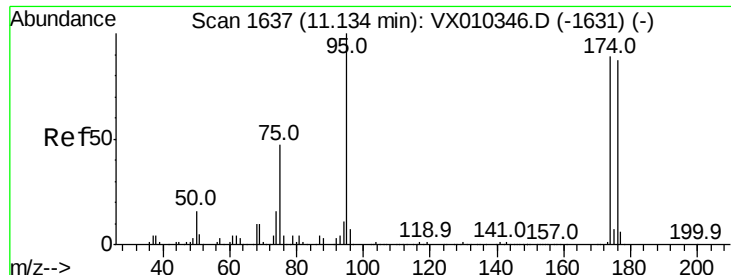
MMDadoda
6/21/2019 11:35:18 AM



#52
Toluene
Concen: 0.604 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

Tgt Ion: 92 Resp: 4695
Ion Ratio Lower Upper
92 100
91 170.6 139.8 209.6





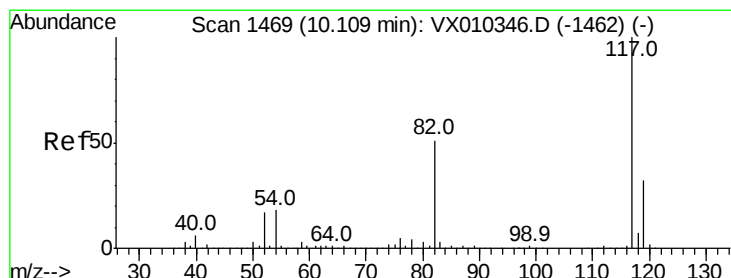
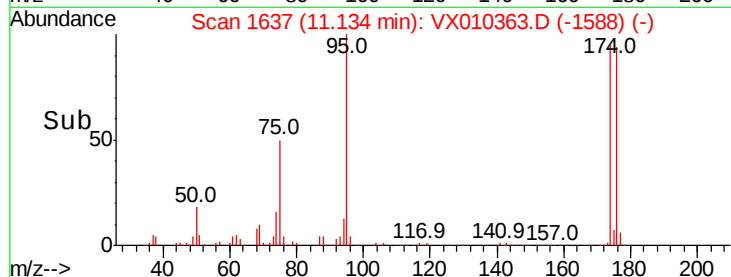
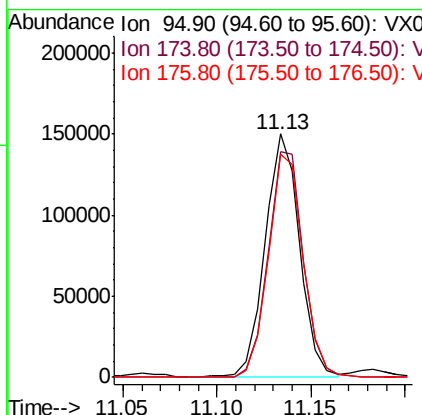
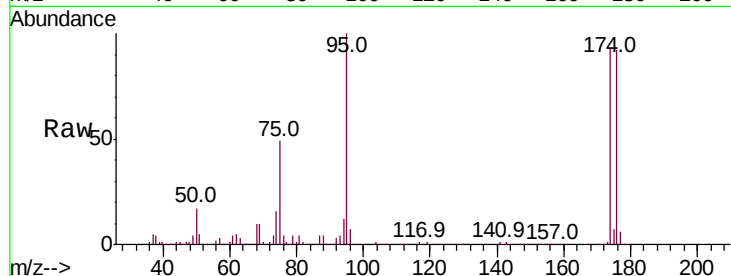
#62
4-Bromofluorobenzene
Concen: 47.054 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

Instrument :
MSVOA_X
ClientSampleId :
T3-MW-1-9.0-061919

Tot Ion	Ratio	Resp	Lower	Upper
95	100	189540		
174	95.2	0.0	187.6	
176	92.8	0.0	184.0	

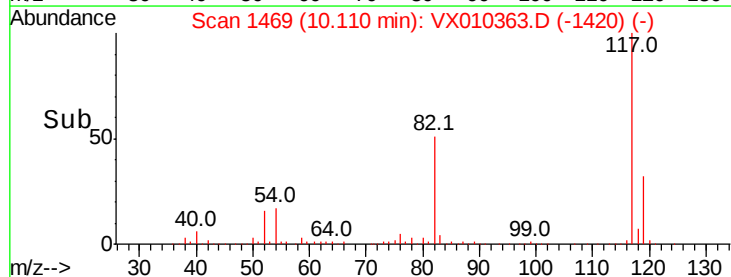
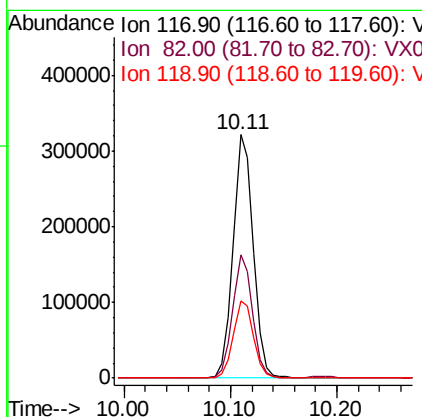
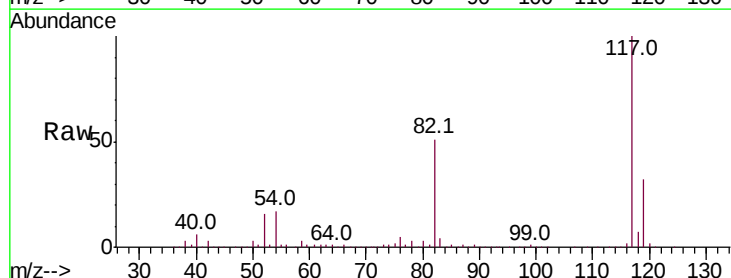
Manual Integrations
APPROVED

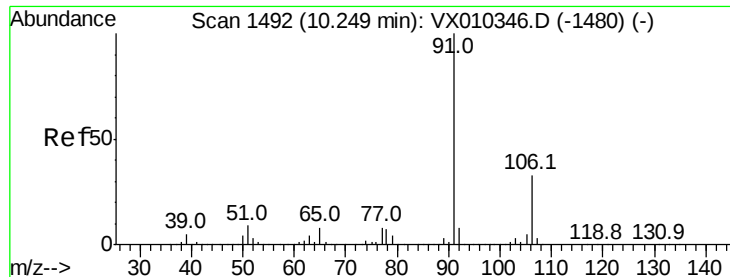
MMDadoda
6/21/2019 11:35:18 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	428617		
82	50.6	41.2	61.8	
119	31.7	25.5	38.3	





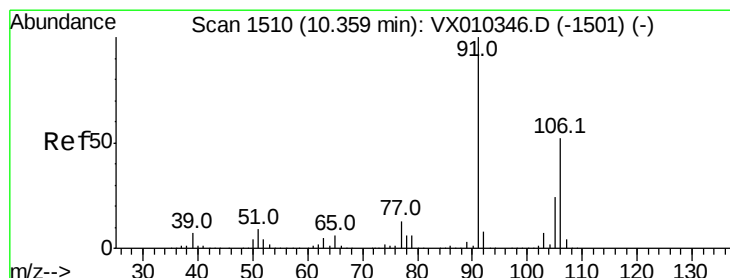
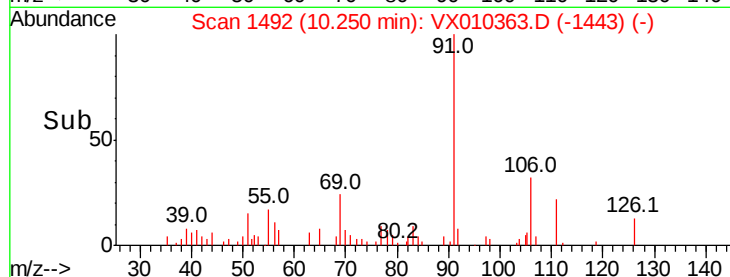
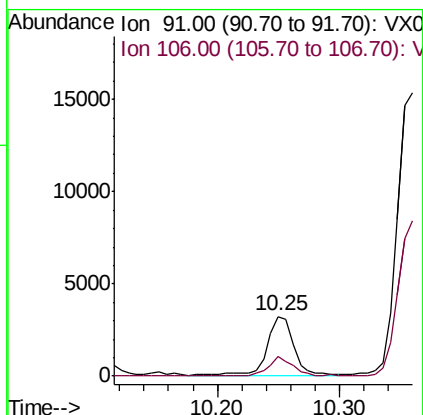
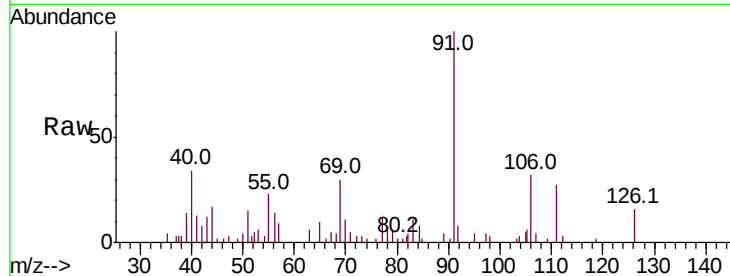
#67
Ethyl Benzene
Concen: 0.353 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

Instrument :
MSVOA_X
ClientSampleId :
T3-MW-1-9.0-061919

Tot Ion: 91 Resp: 5183
Ion Ratio Lower Upper
91 100
106 32.4 26.2 39.2

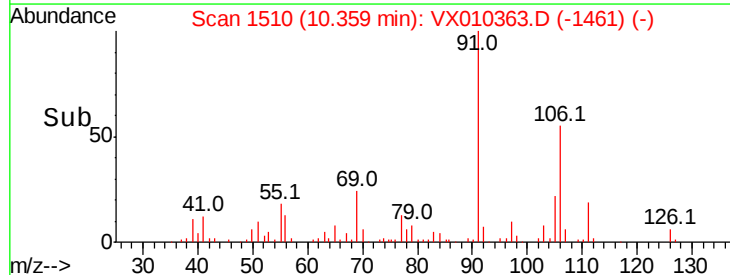
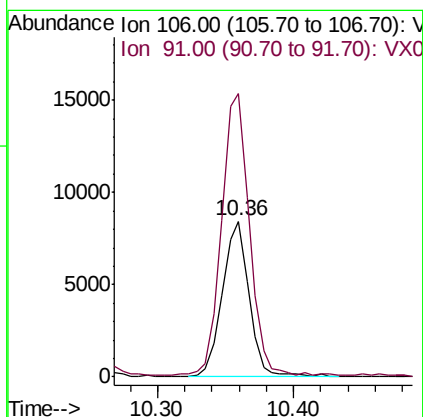
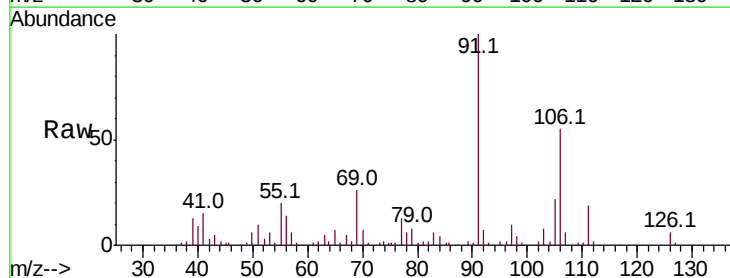
Manual Integrations
APPROVED

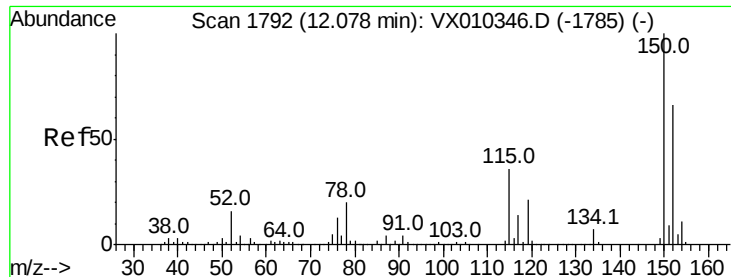
MMDadoda
6/21/2019 11:35:18 AM



#68
m/p-Xylenes
Concen: 2.027 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

Tgt Ion: 106 Resp: 11540
Ion Ratio Lower Upper
106 100
91 189.3 155.3 232.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010363.D

Acq: 20 Jun 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-1-9.0-061919

Tot Ion:152 Resp: 201740

Ion Ratio Lower Upper

152 100

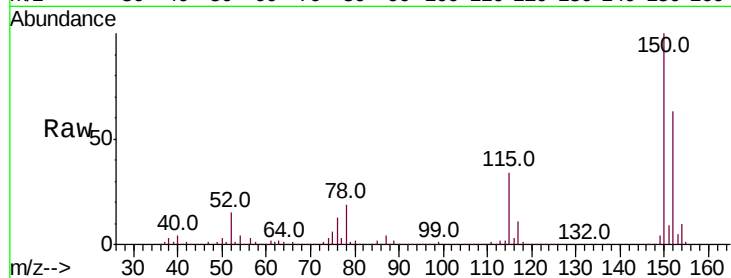
115 54.4 38.6 115.7

150 156.5 0.0 347.4

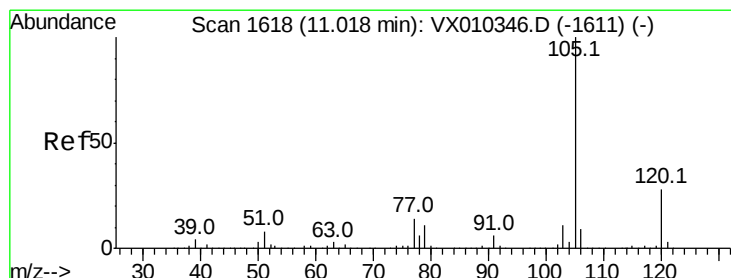
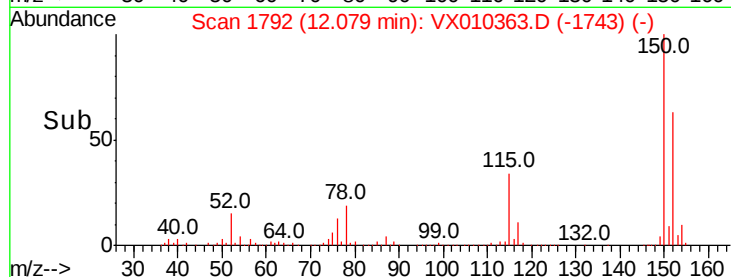
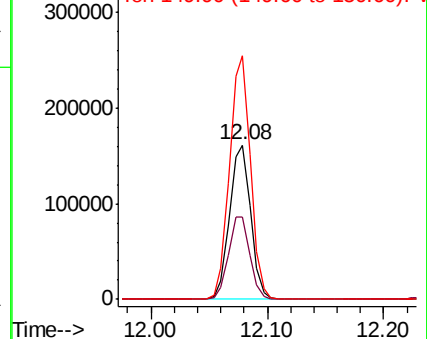
Manual Integrations
APPROVED

MMDadoda

6/21/2019 11:35:18 AM



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



#73

Isopropylbenzene

Concen: 6.001 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010363.D

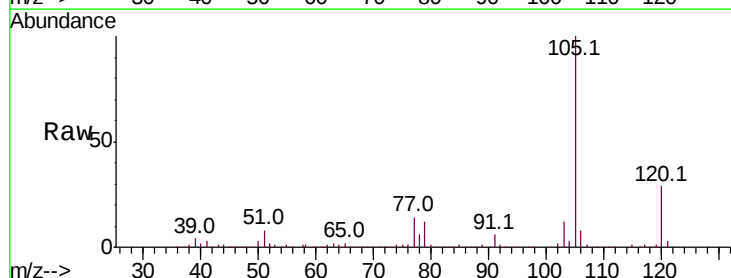
Acq: 20 Jun 2019 17:35

Tgt Ion:105 Resp: 82064

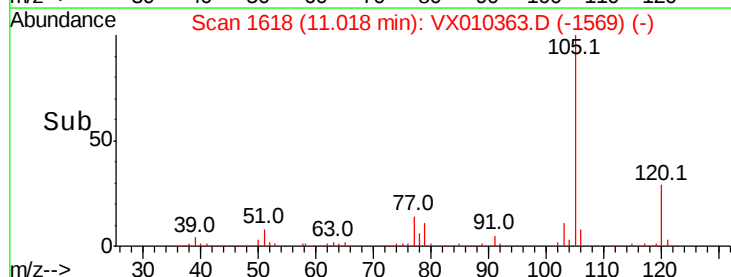
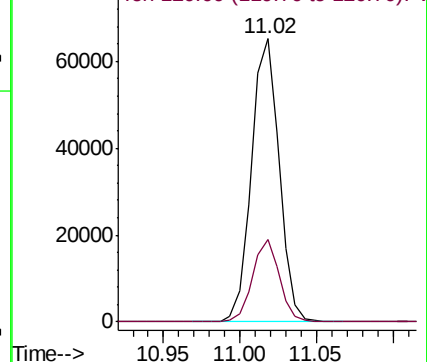
Ion Ratio Lower Upper

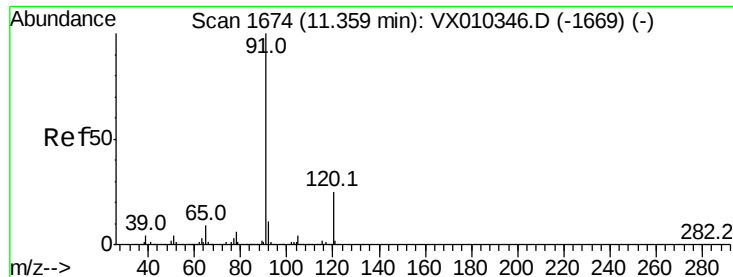
105 100

120 28.0 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 10.310 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010363.D

Acq: 20 Jun 2019 17:35

Instrument :

MSVOA_X

ClientSampleId :

T3-MW-1-9.0-061919

Tot Ion: 91 Resp: 154955

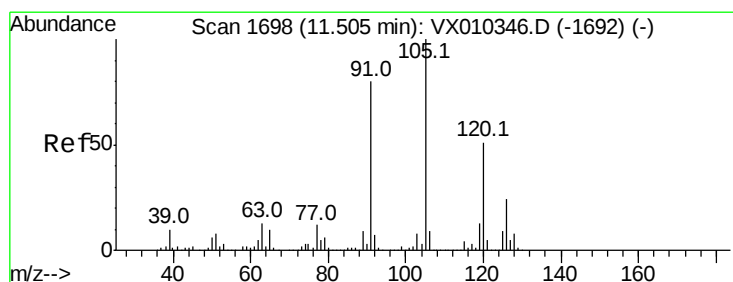
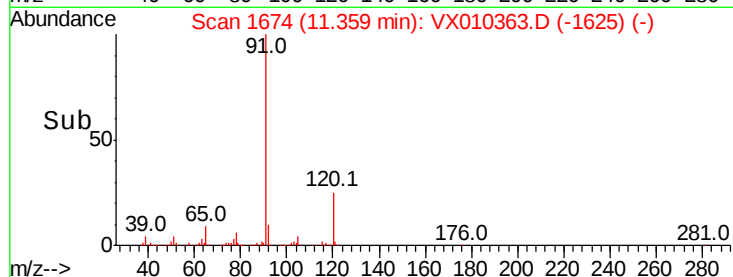
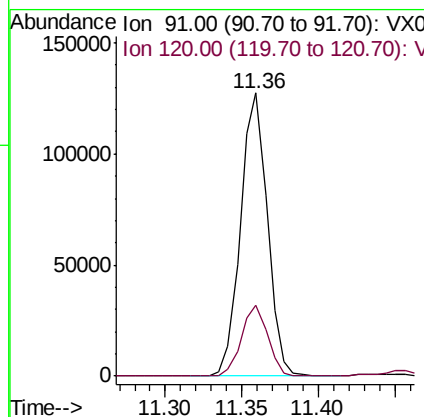
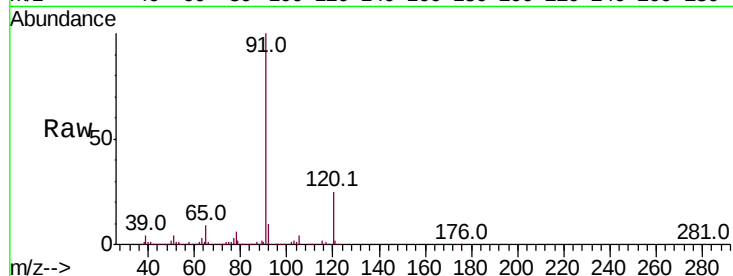
Ion Ratio Lower Upper

91 100

120 24.6 12.4 37.4

Manual Integrations
APPROVED

MMDadoda
6/21/2019 11:35:18 AM



#80

1,3,5-Trimethylbenzene

Concen: 0.327 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010363.D

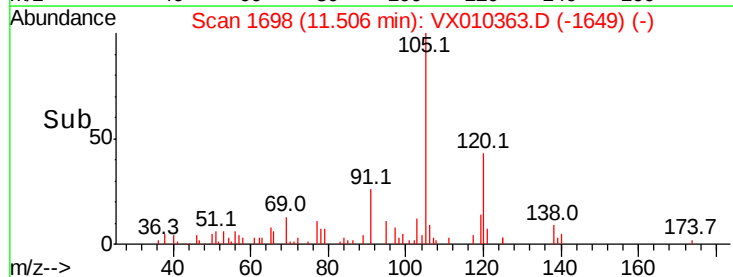
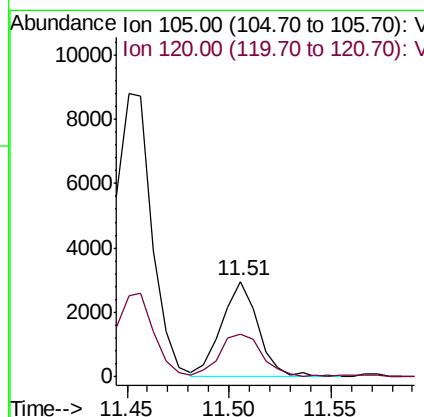
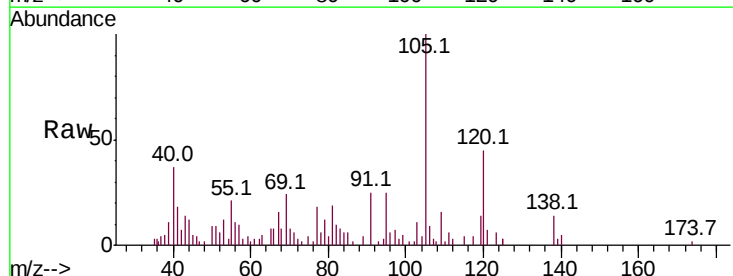
Acq: 20 Jun 2019 17:35

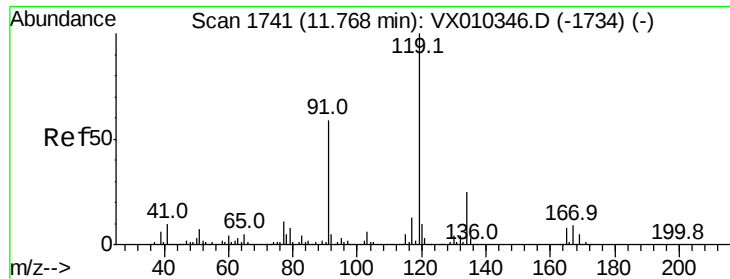
Tgt Ion: 105 Resp: 3684

Ion Ratio Lower Upper

105 100

120 52.3 25.2 75.6





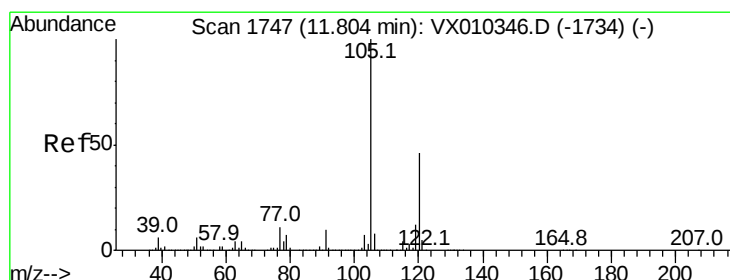
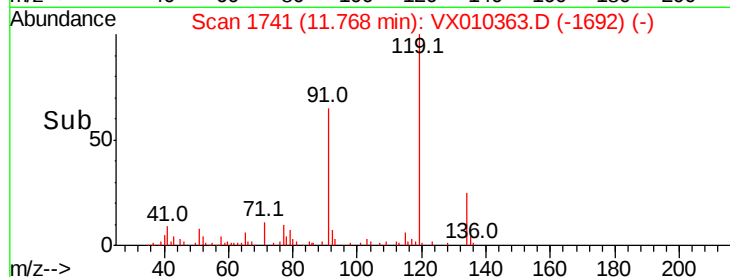
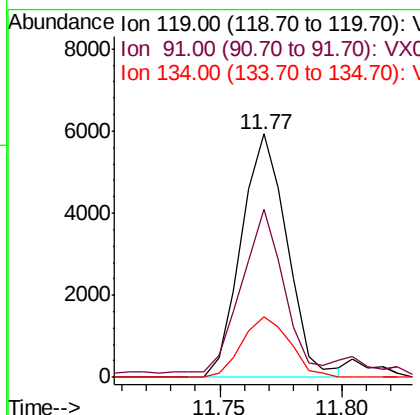
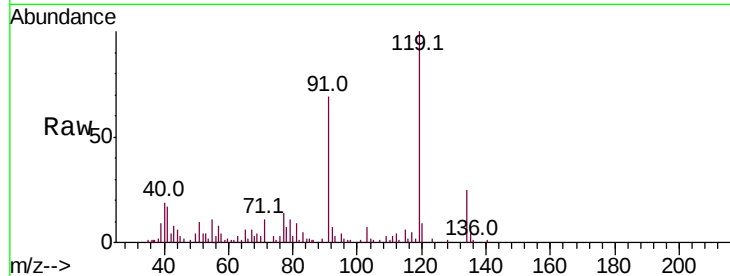
#83
tert-Butylbenzene
Concen: 0.681 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

Instrument :
MSVOA_X
ClientSampleId :
T3-MW-1-9.0-061919

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.4	27.6	82.7
134	25.8	11.8	35.4

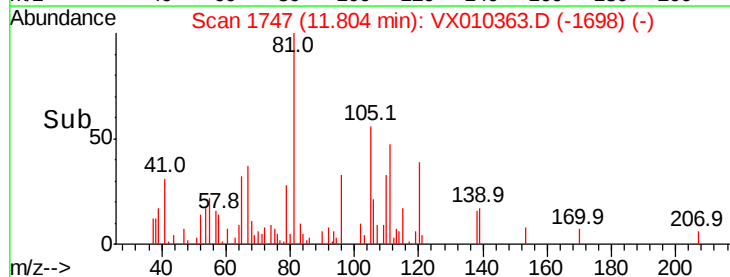
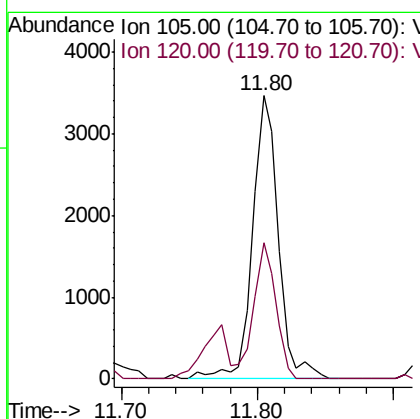
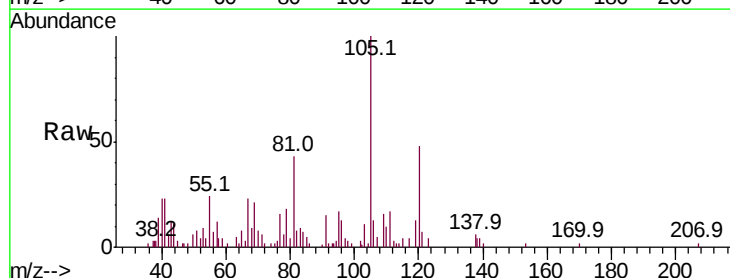
Manual Integrations
APPROVED

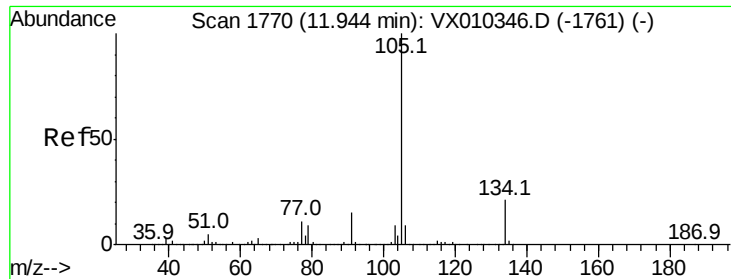
MMDadoda
6/21/2019 11:35:18 AM



#84
1,2,4-Trimethylbenzene
Concen: 0.408 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.9	23.1	69.2





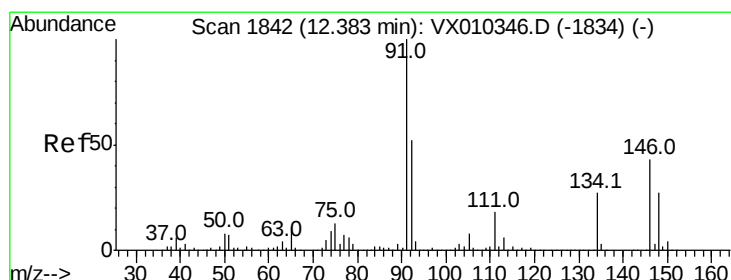
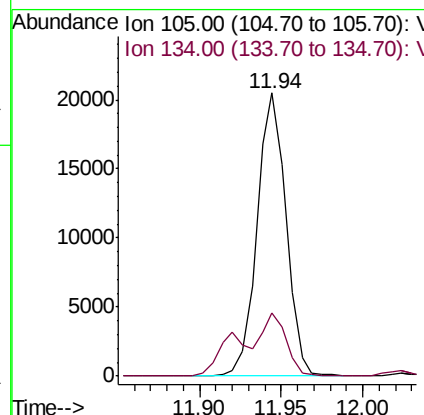
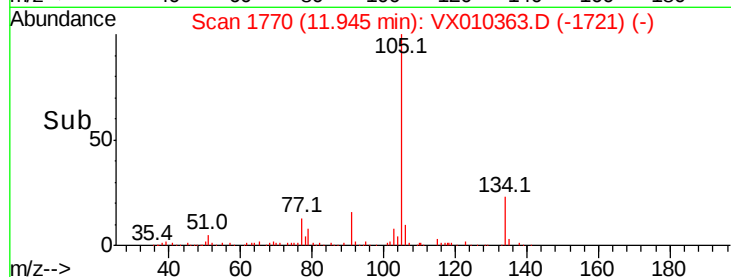
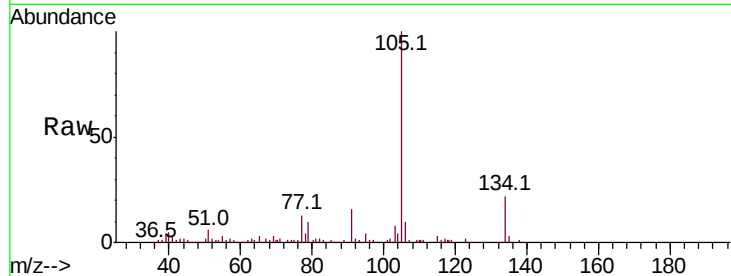
#85
 sec-Butylbenzene
 Concen: 1.913 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010363.D
 Acq: 20 Jun 2019 17:35

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-MW-1-9.0-061919

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.7	10.7	31.9

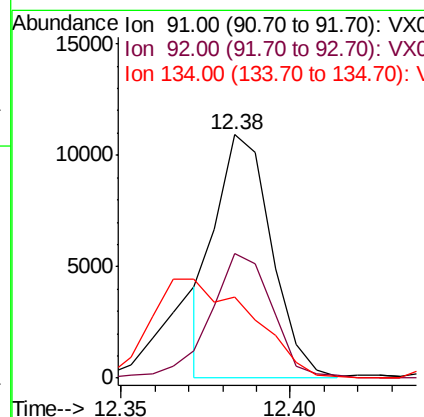
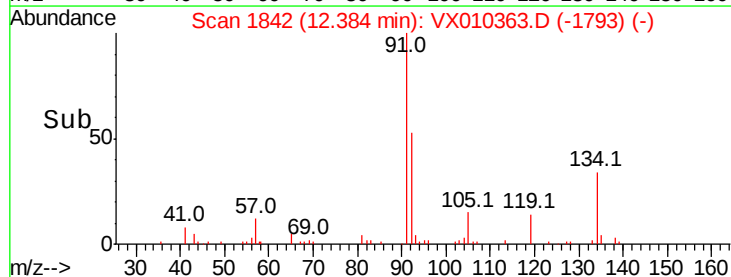
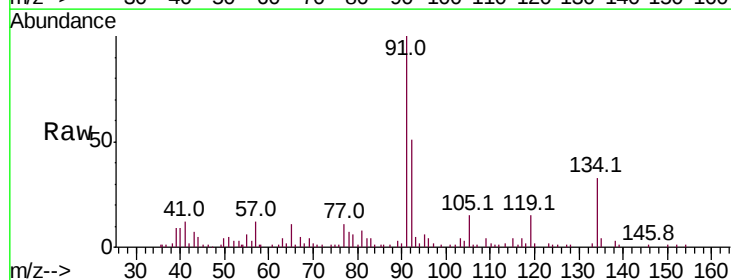
Manual Integrations
 APPROVED

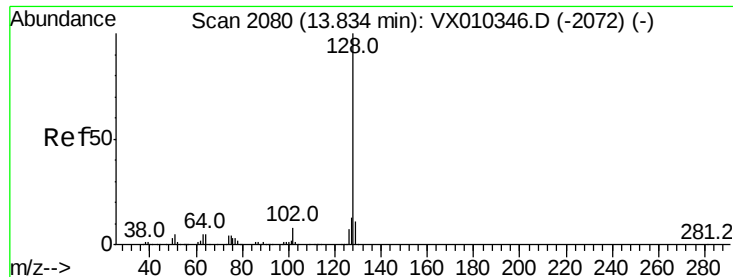
MMDadoda
 6/21/2019 11:35:18 AM



#89
 n-Butylbenzene
 Concen: 1.211 ug/l m
 RT: 12.38 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX010363.D
 Acq: 20 Jun 2019 17:35

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.5	26.2	78.5
134	73.0	14.1	42.4





#95
Naphthalene
Concen: 3.691 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010363.D
Acq: 20 Jun 2019 17:35

Instrument :
MSVOA_X
ClientSampleId :
T3-MW-1-9.0-061919

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.2	15.4
129	12.7	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
6/21/2019 11:35:18 AM

