

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
 Data File : VX009425.D
 Acq On : 09 May 2019 14:14
 Operator : JC/SP
 Sample : K2748-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 1:12:01 PM

Quant Time: May 10 07:43:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	188973	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	301555	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	272799	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	123273	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	122652	47.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.08%	
35) Dibromofluoromethane	5.50	113	91218	48.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.24%	
50) Toluene-d8	8.71	98	383749	50.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.28%	
62) 4-Bromofluorobenzene	11.13	95	132245	47.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.10%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.04	59	287115	480.818	ug/l	100
16) Acetone	2.44	43	6898	4.980	ug/l	100
17) Carbon Disulfide	2.57	76	2909	0.584	ug/l #	95
19) Methyl tert-butyl Ether	3.20	73	351356	51.029	ug/l	96
22) Diisopropyl ether	3.85	45	17151	2.064	ug/l #	78
31) Cyclohexane	5.58	56	32504	8.522	ug/l	97
39) Methylcyclohexane	7.46	83	20184	5.865	ug/l	97
40) Benzene	6.14	78	524608	60.488	ug/l	99
52) Toluene	8.79	92	341717	64.817	ug/l	100
67) Ethyl Benzene	10.25	91	1552211	154.551	ug/l	100
68) m/p-Xylenes	10.36	106	521262	142.027	ug/l	99
69) o-Xylene	10.69	106	240510	66.418	ug/l	100
73) Isopropylbenzene	11.02	105	126699	14.134	ug/l	99
78) n-propylbenzene	11.36	91	343762	33.578	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	176330	23.361	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	749156	98.883	ug/l	98
85) sec-Butylbenzene	11.94	105	23790	2.733	ug/l	95
86) p-Isopropyltoluene	12.06	119	9206	1.176	ug/l	91
89) n-Butylbenzene	12.38	91	20620m	2.915	ug/l	
95) Naphthalene	13.83	128	221187	24.609	ug/l	99

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

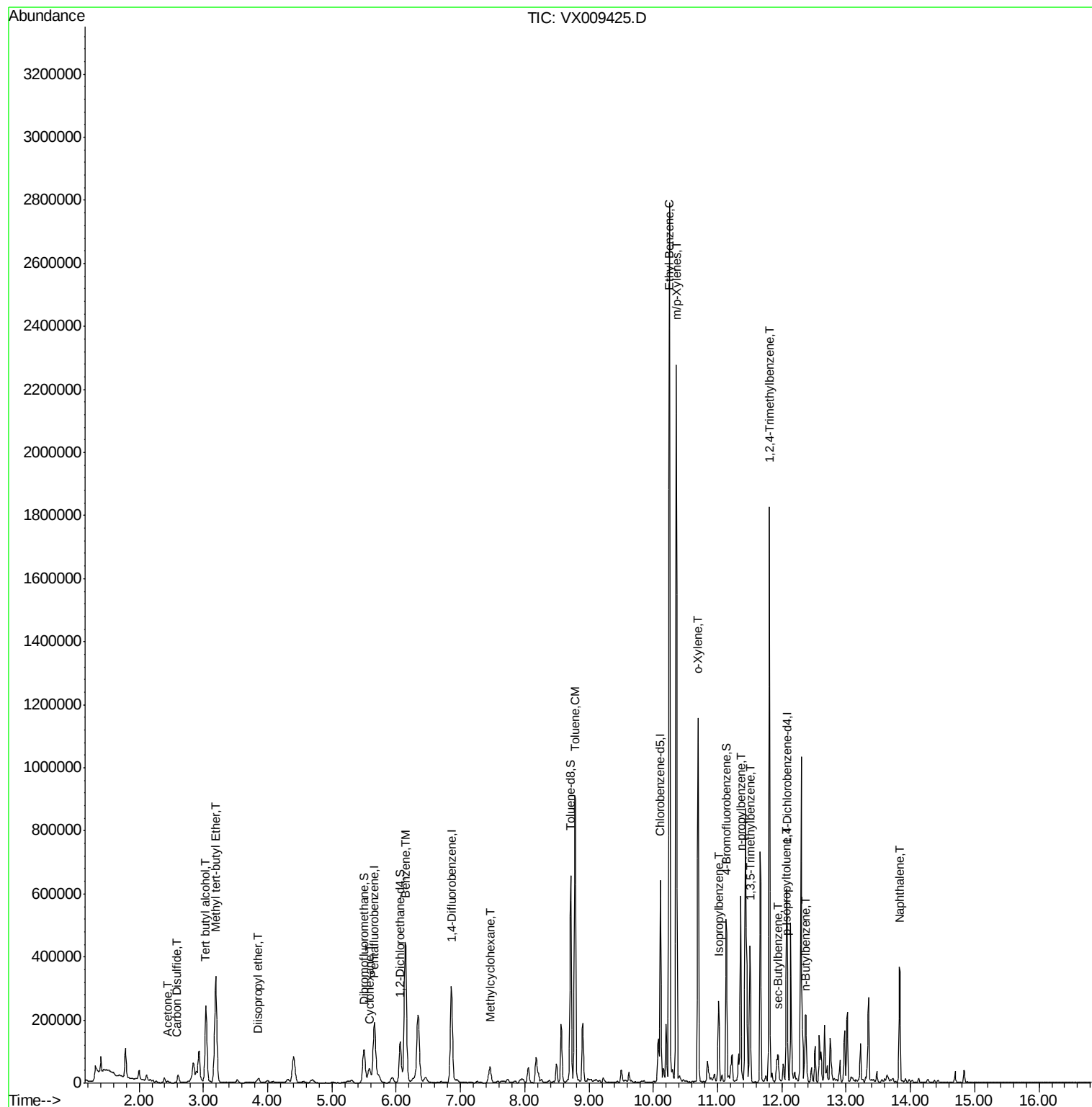
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX050919\
Data File : VX009425.D
Acq On : 09 May 2019 14:14
Operator : JC/SP
Sample : K2748-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

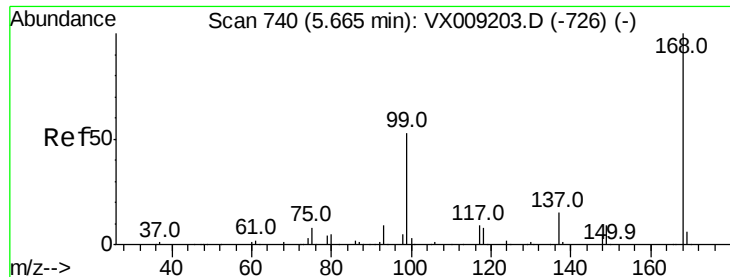
Instrument :
MSVOA_X
ClientSampleId :
MW-8

Manual Integrations
APPROVED

MMDadoda
5/10/2019 1:12:01 PM

Quant Time: May 10 07:43:18 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

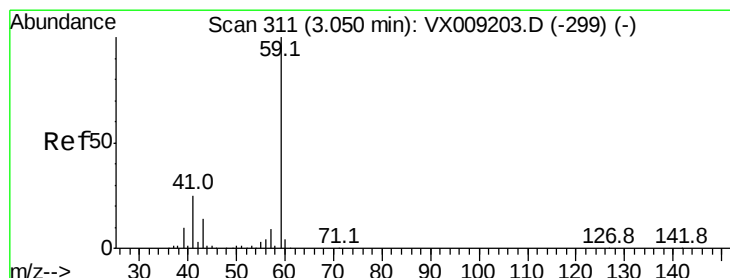
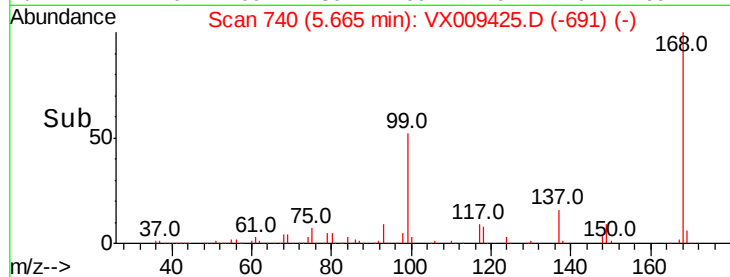
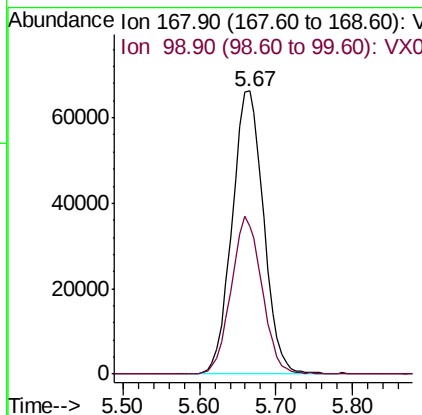
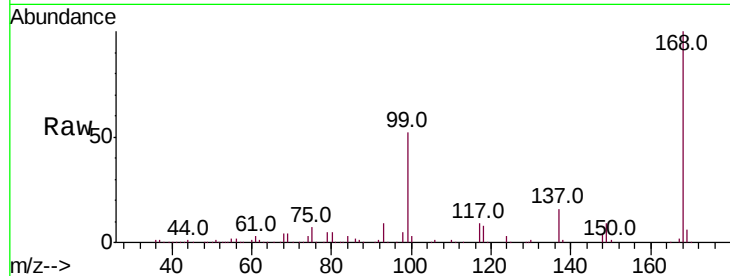
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. 0.00 min
 Lab File: VX009425.D
 Acq: 09 May 2019 14:14

Instrument :
 MSVOA_X
 ClientSampled :
 MW-8

Tot Ion	Ratio	Resp	Lower	Upper
168	100	188973		
99	52.2	42.3	63.5	

Manual Integrations
 APPROVED

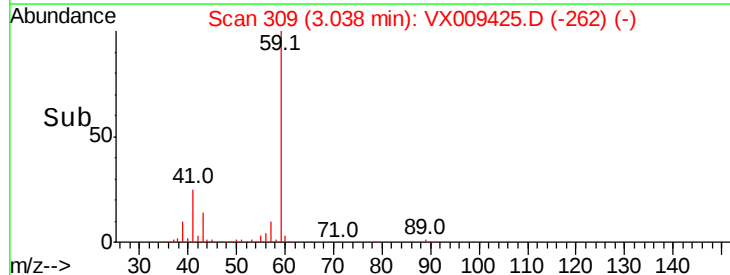
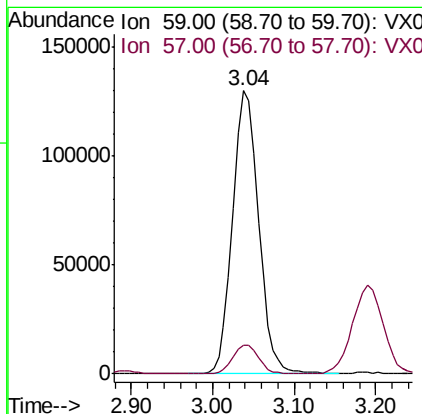
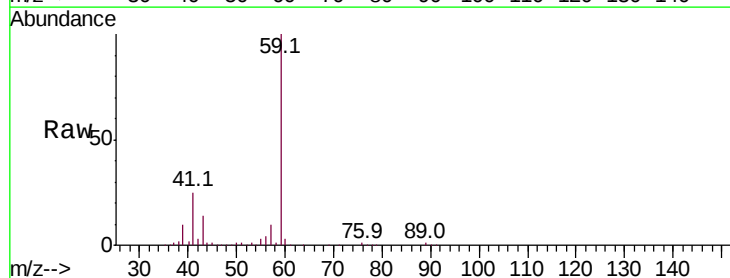
MMDadoda
 5/10/2019 1:12:01 PM

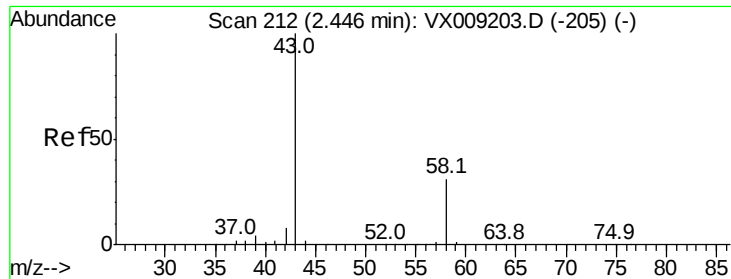


#11

Tert butyl alcohol
 Concen: 480.818 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. -0.01 min
 Lab File: VX009425.D
 Acq: 09 May 2019 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	287115		
57	10.3	8.2	12.2	





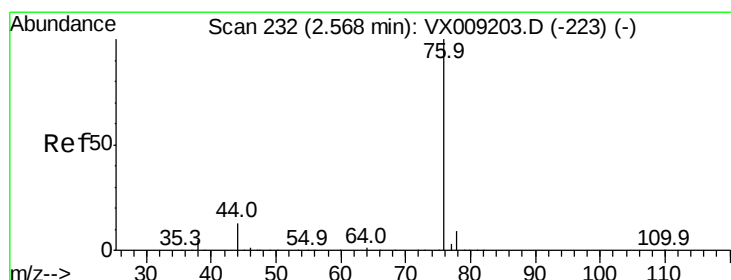
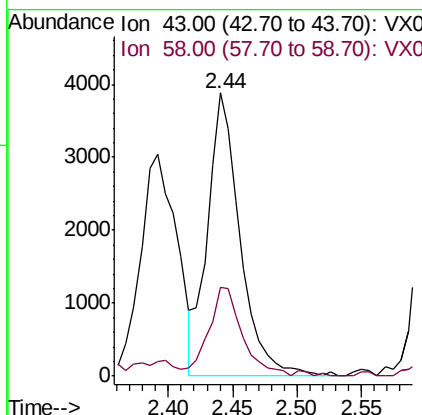
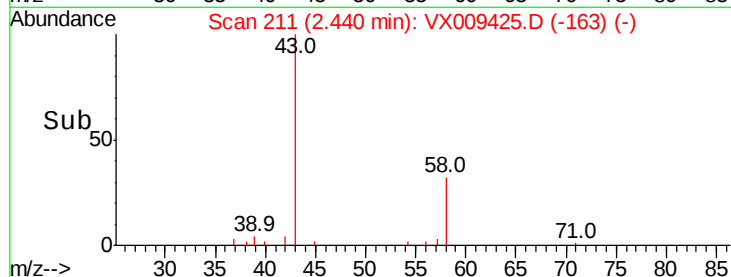
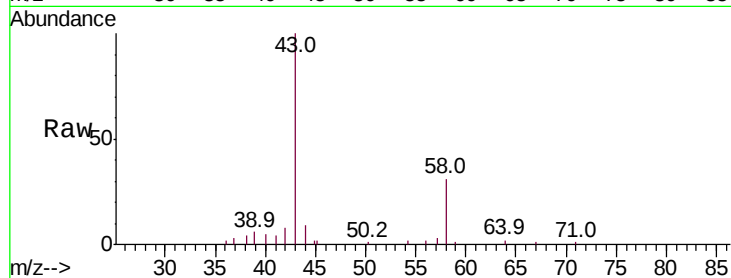
#16
Acetone
Concen: 4.980 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX009425.D
Acq: 09 May 2019 14:14

Instrument :
MSVOA_X
ClientSampled :
MW-8

Tot Ion: 43 Resp: 6898
Ion Ratio Lower Upper
43 100
58 31.3 24.9 37.3

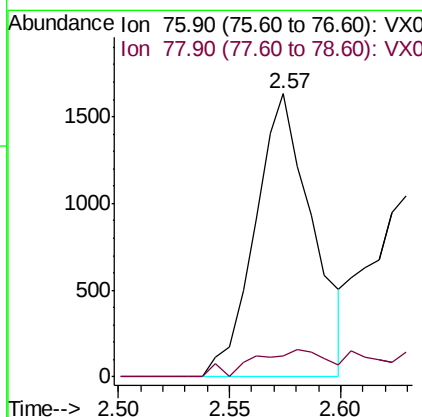
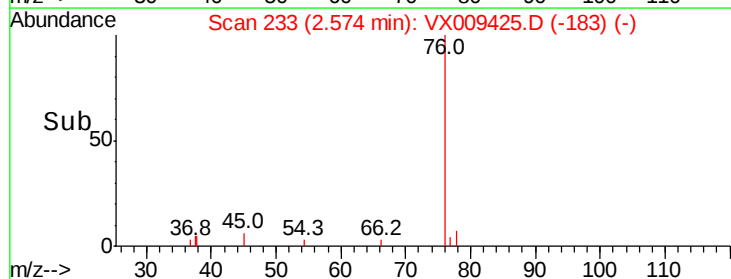
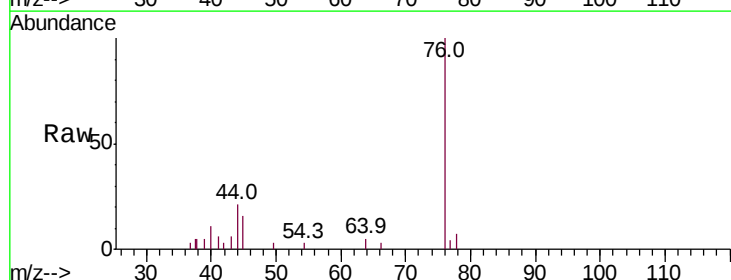
Manual Integrations
APPROVED

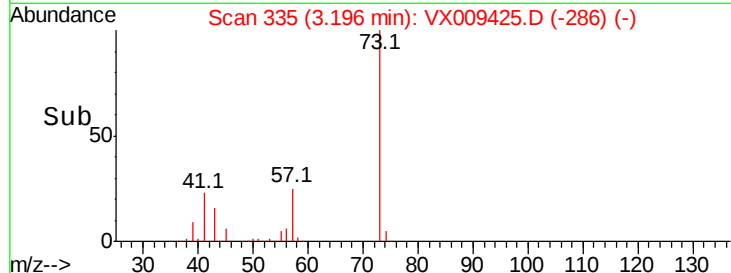
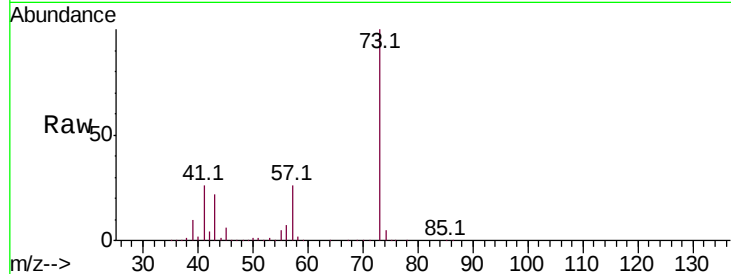
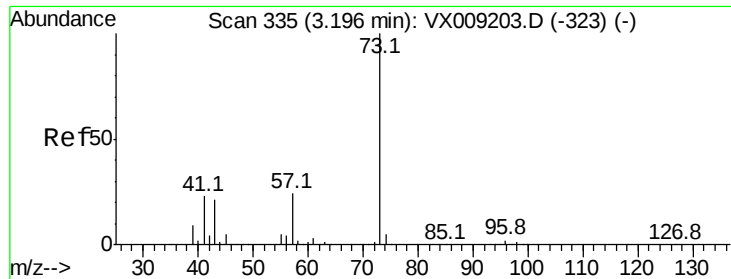
MMDadoda
5/10/2019 1:12:01 PM



#17
Carbon Disulfide
Concen: 0.584 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX009425.D
Acq: 09 May 2019 14:14

Tgt Ion: 76 Resp: 2909
Ion Ratio Lower Upper
76 100
78 7.3 7.4 11.0#





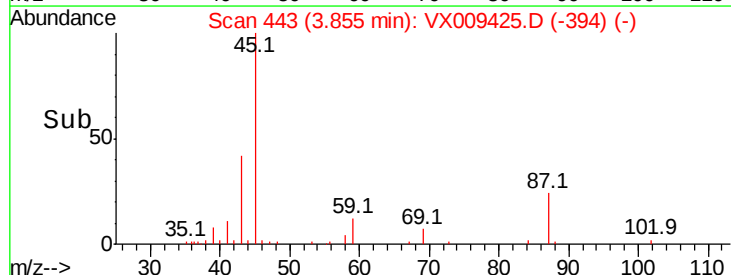
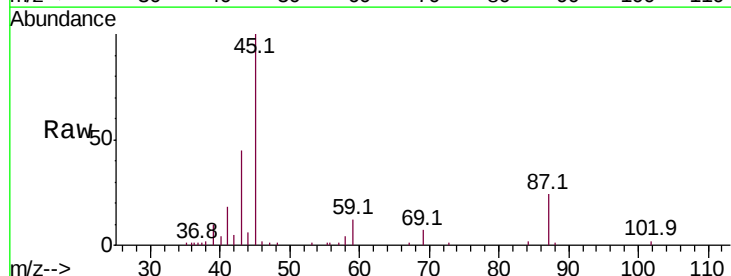
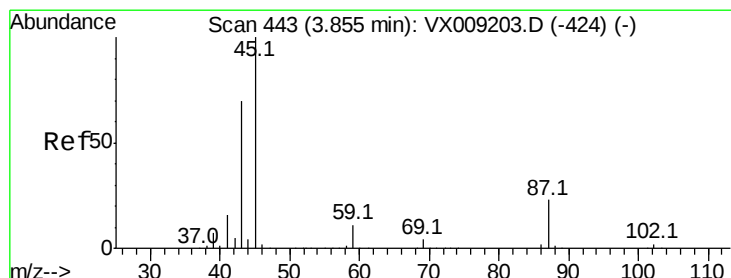
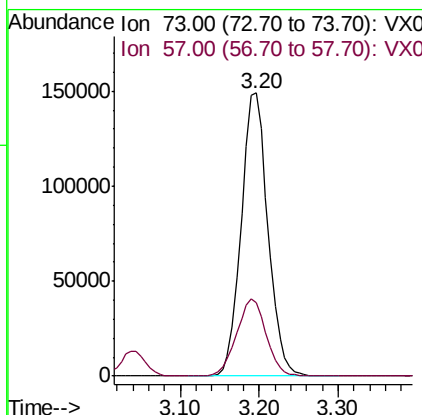
#19
Methvl tert-butvl Ether
Concen: 51.029 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX009425.D
Acq: 09 May 2019 14:14

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.9	19.3	28.9

Instrument :
MSVOA_X
ClientSampleId :
MW-8

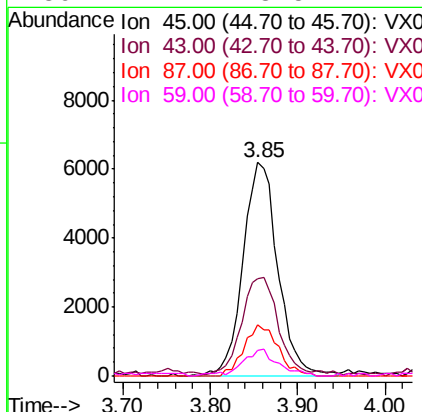
Manual Integrations
APPROVED

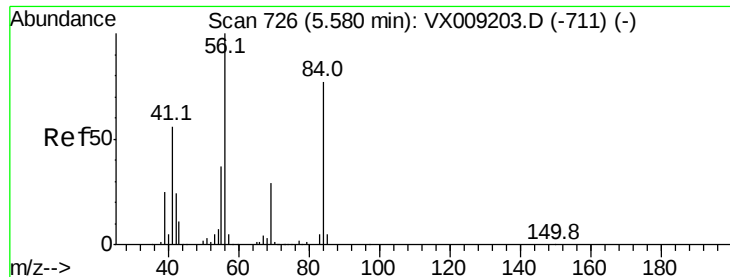
MMDadoda
5/10/2019 1:12:01 PM



#22
Diisopropyl ether
Concen: 2.064 ug/l
RT: 3.85 min Scan# 443
Delta R.T. 0.00 min
Lab File: VX009425.D
Acq: 09 May 2019 14:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	44.2	56.1	84.1#
87	23.9	18.1	27.1
59	12.2	8.5	12.7





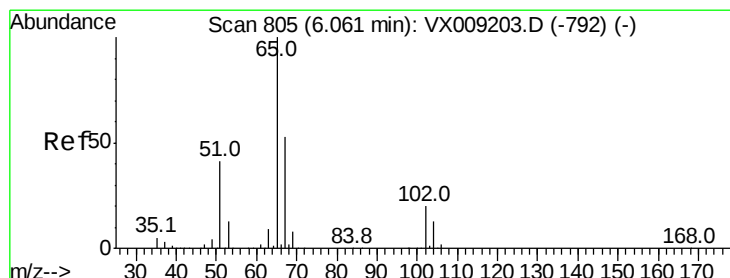
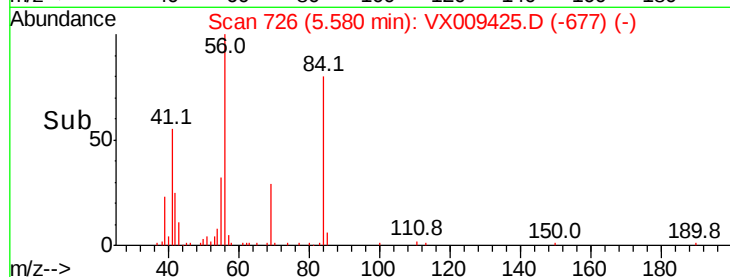
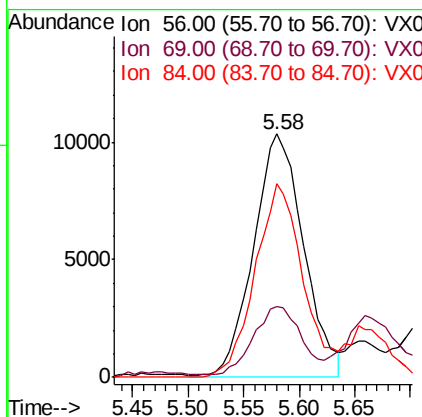
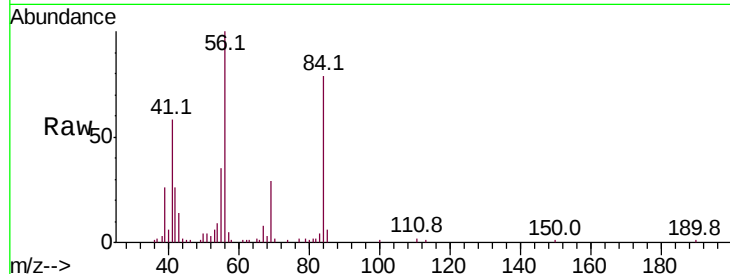
#31
Cyclohexane
Concen: 8.522 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX009425.D
Acq: 09 May 2019 14:14

Instrument :
MSVOA_X
ClientSampled :
MW-8

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.9	23.4	35.0
84	80.3	61.9	92.9

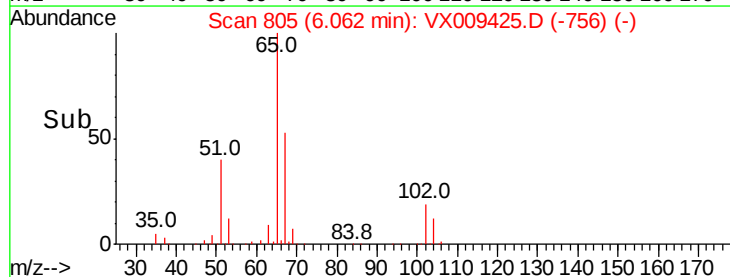
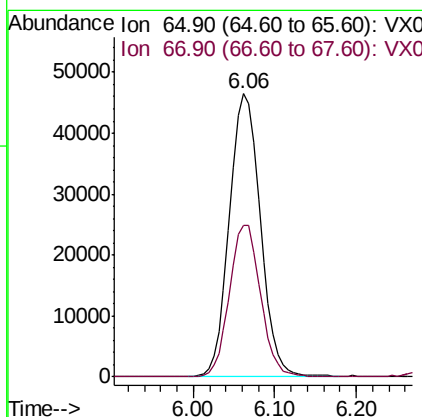
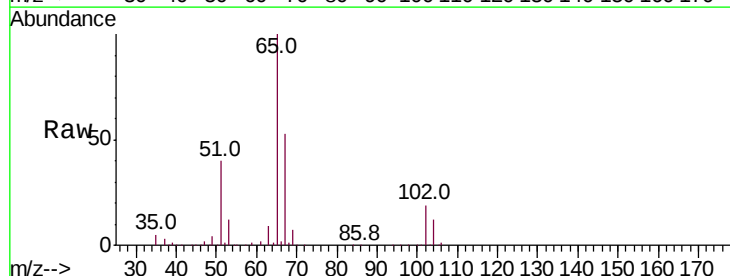
Manual Integrations
APPROVED

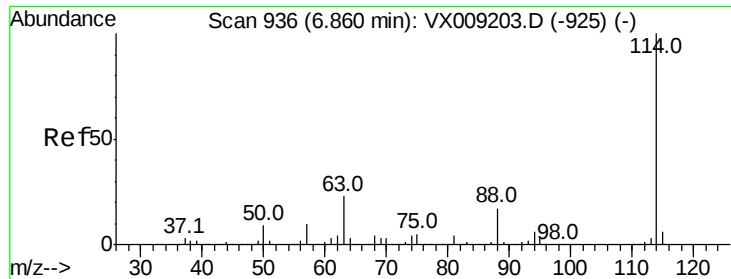
MMDadoda
5/10/2019 1:12:01 PM



#33
1,2-Dichloroethane-d4
Concen: 47.545 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009425.D
Acq: 09 May 2019 14:14

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	106.6





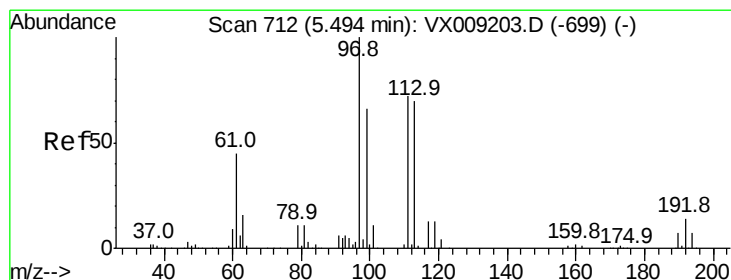
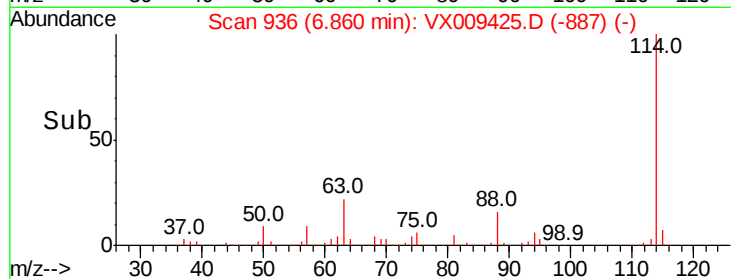
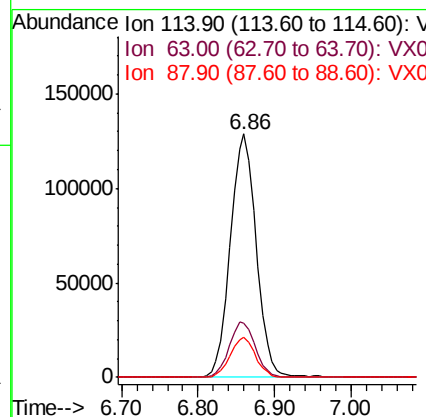
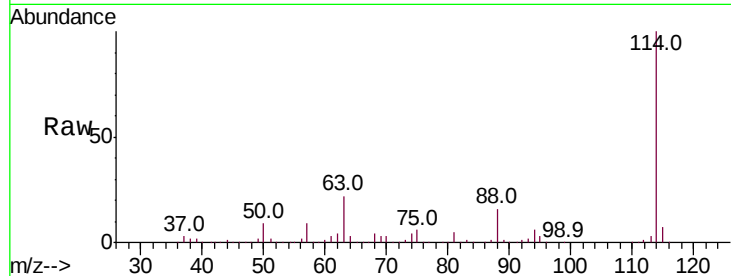
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009425.D
 Acq: 09 May 2019 14:14

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8

Tot Ion:	114	Resp:	301555
Ion Ratio	Lower	Upper	
114	100		
63	22.3	0.0	45.6
88	16.4	0.0	33.2

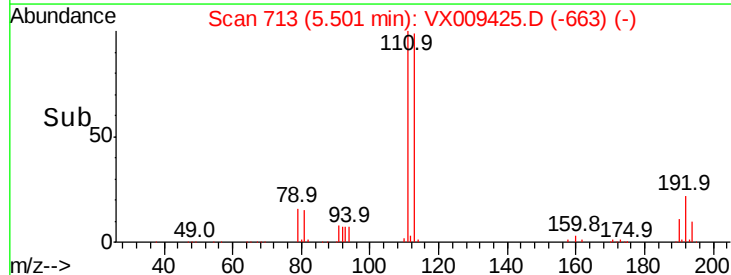
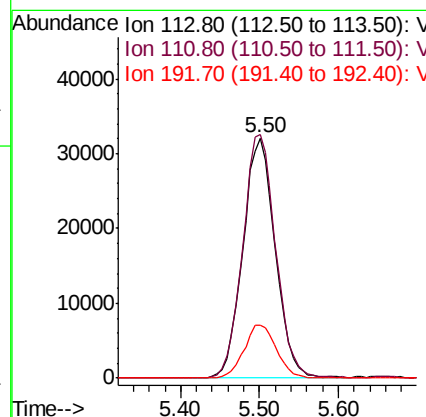
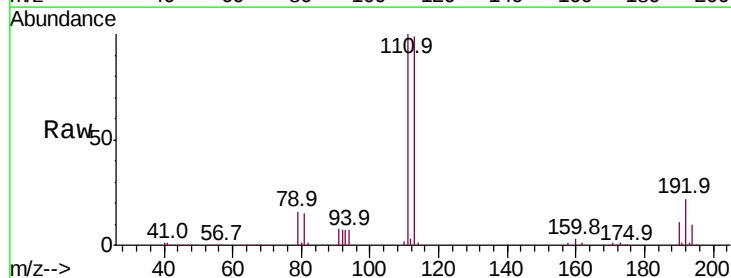
Manual Integrations
 APPROVED

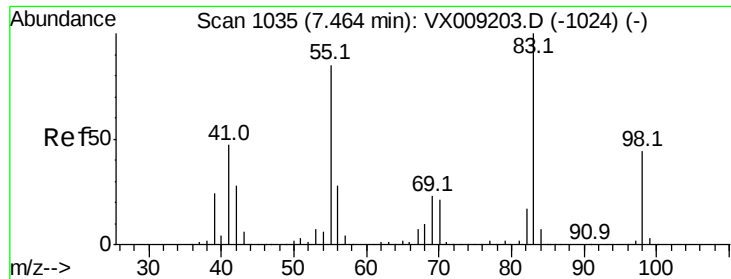
MMDadoda
 5/10/2019 1:12:01 PM



#35
 Dibromofluoromethane
 Concen: 48.118 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009425.D
 Acq: 09 May 2019 14:14

Tgt Ion:	113	Resp:	91218
Ion Ratio	Lower	Upper	
113	100		
111	103.7	82.8	124.2
192	22.3	17.0	25.6





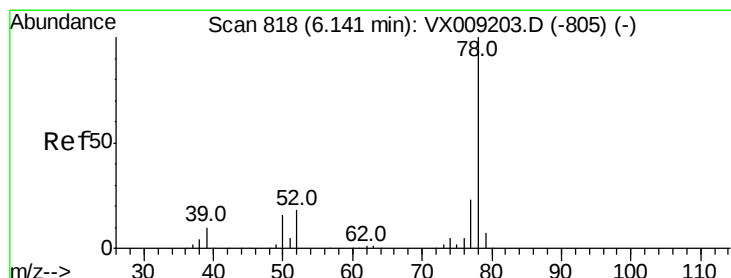
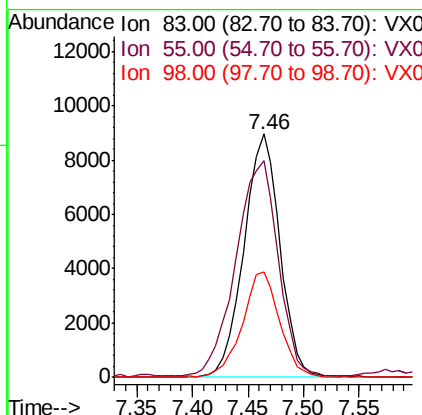
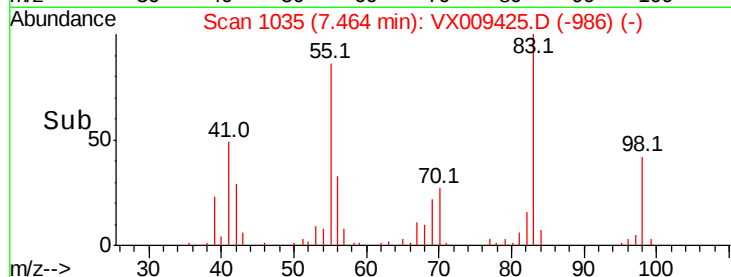
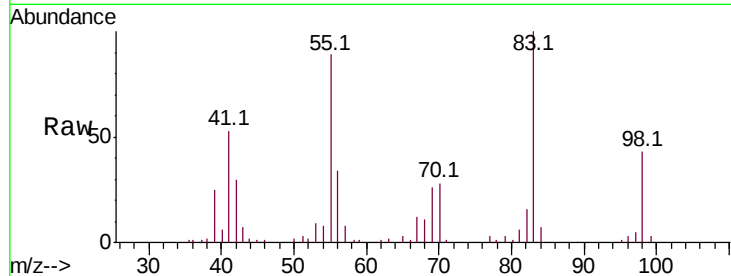
#39
Methvlcvclohexane
Concen: 5.865 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009425.D
Acq: 09 May 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :
MW-8

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.2	67.7	101.5
98	43.5	35.5	53.3

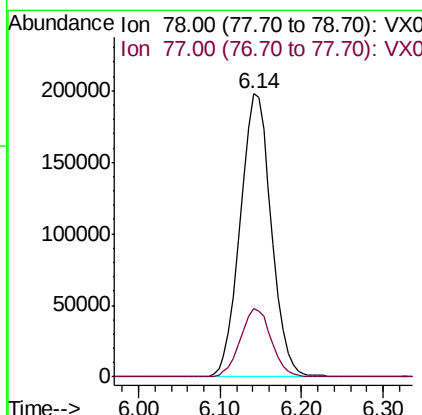
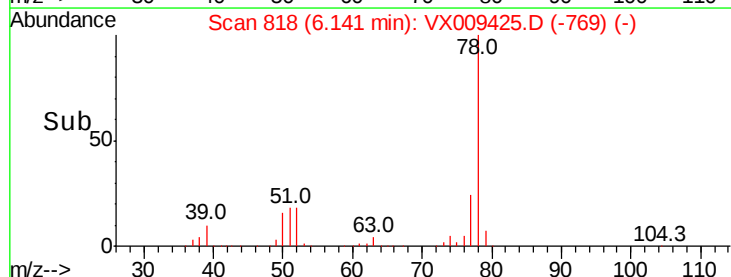
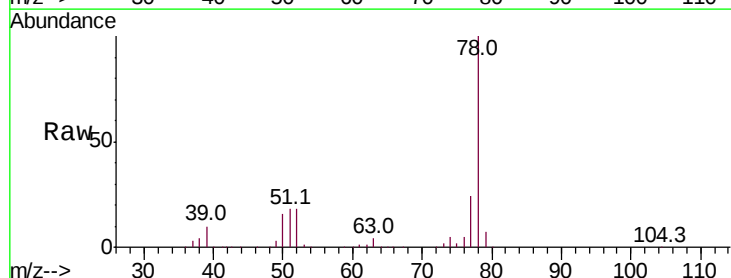
Manual Integrations
APPROVED

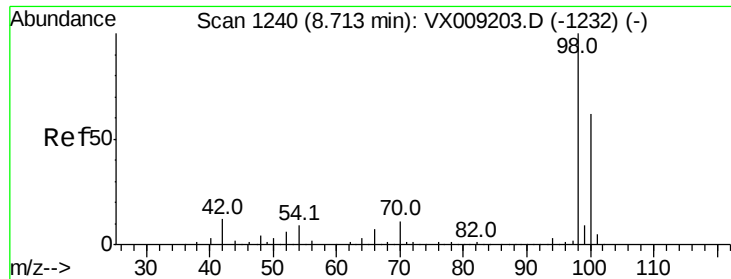
MMDadoda
5/10/2019 1:12:01 PM



#40
Benzene
Concen: 60.488 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009425.D
Acq: 09 May 2019 14:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.8	28.2





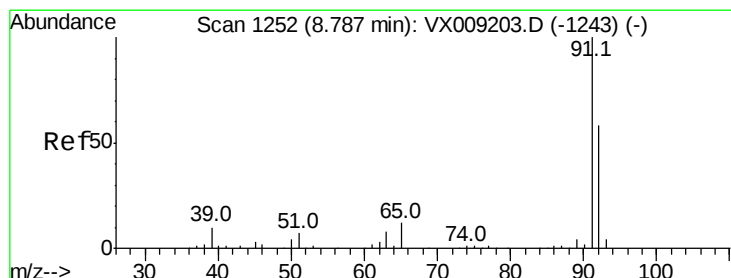
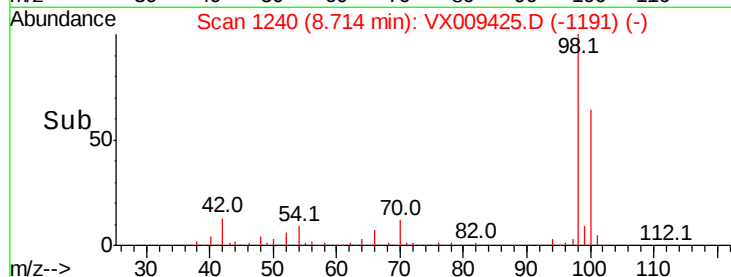
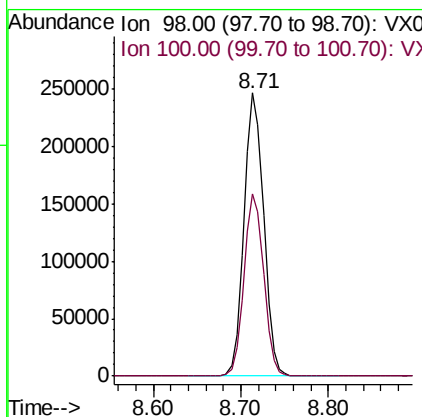
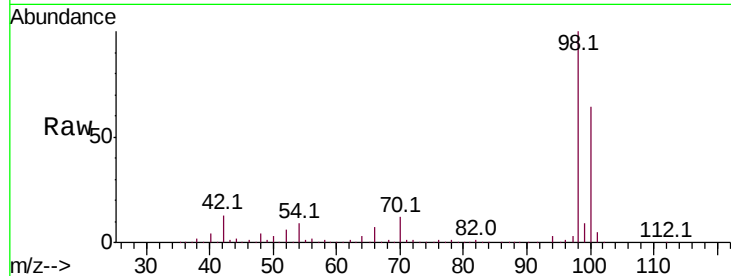
#50
Toluene-d8
Concen: 50.141 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009425.D
Acq: 09 May 2019 14:14

Instrument :
MSVOA_X
ClientSampled :
MW-8

Tot Ion: 98 Resp: 383749
Ion Ratio Lower Upper
98 100
100 64.4 51.2 76.8

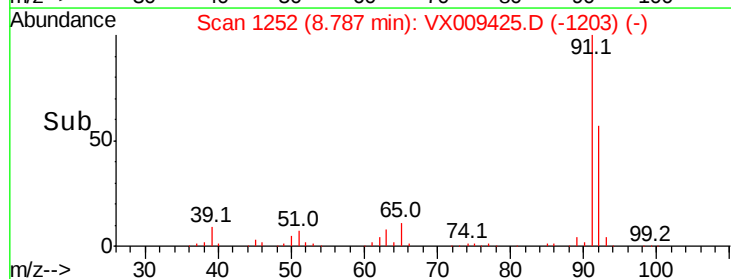
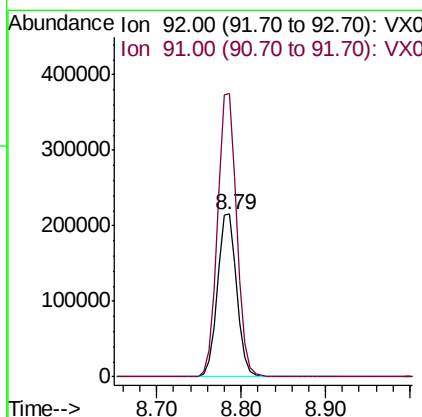
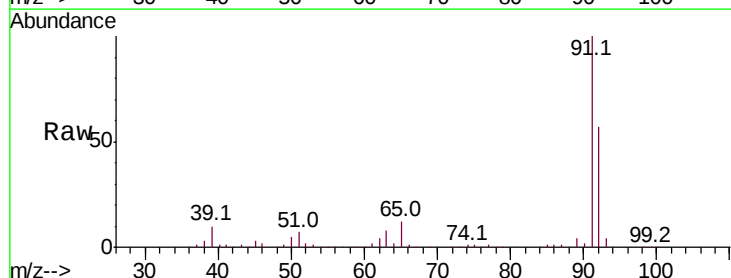
Manual Integrations
APPROVED

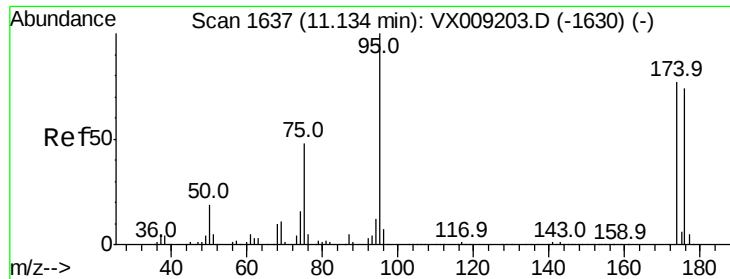
MMDadoda
5/10/2019 1:12:01 PM



#52
Toluene
Concen: 64.817 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX009425.D
Acq: 09 May 2019 14:14

Tgt Ion: 92 Resp: 341717
Ion Ratio Lower Upper
92 100
91 173.5 138.8 208.2





#62

4-Bromofluorobenzene

Concen: 47.554 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009425.D

Acq: 09 May 2019 14:14

Instrument :

MSVOA_X

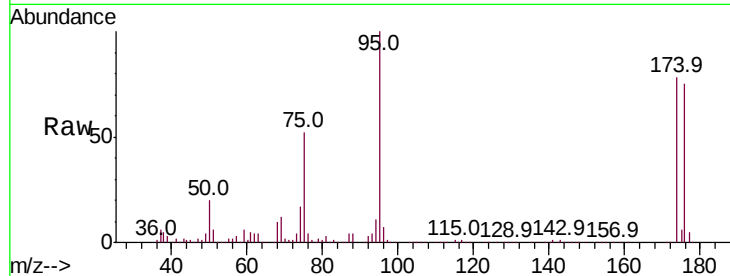
ClientSampled :

MW-8

Tot Ion:	95	Resp:	132245
Ion Ratio	Lower	Upper	
95	100		
174	82.1	0.0	161.6
176	79.0	0.0	159.2

Manual Integrations
APPROVED

MMDadoda
5/10/2019 1:12:01 PM

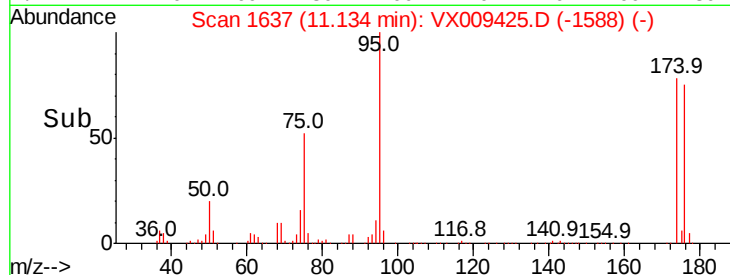


Abundance Ion 94.90 (94.60 to 95.60): VX009425.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX009425.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX009425.D (-1630) (-)

Time-->

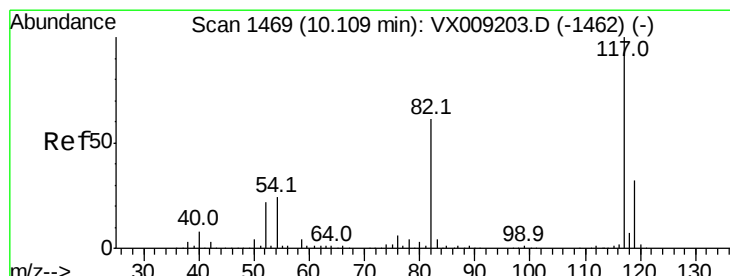


Abundance Ion 94.90 (94.60 to 95.60): VX009425.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009425.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009425.D (-1588) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

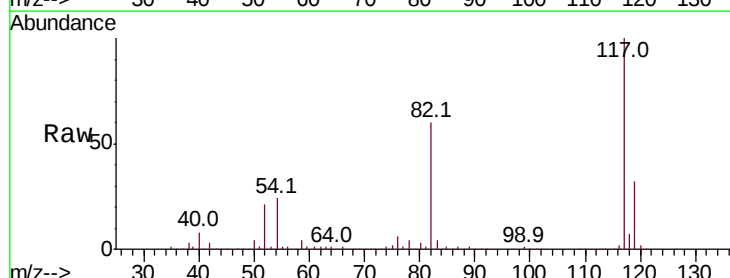
RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009425.D

Acq: 09 May 2019 14:14

Tgt Ion:	117	Resp:	272799
Ion Ratio	Lower	Upper	
117	100		
82	59.5	48.8	73.2
119	31.9	25.8	38.6

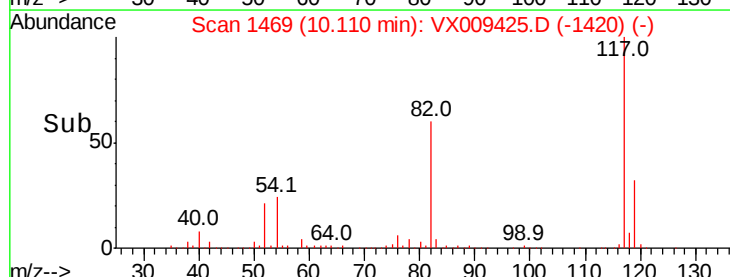


Abundance Ion 116.90 (116.60 to 117.60): VX009425.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX009425.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX009425.D (-1462) (-)

Time-->

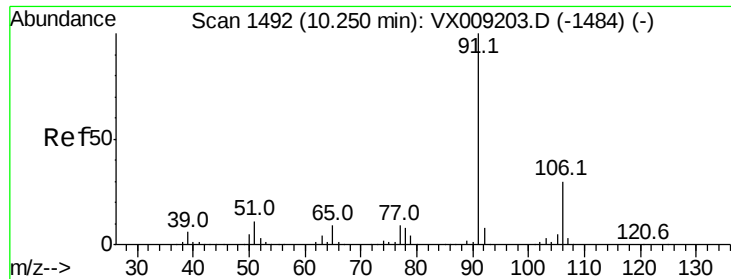


Abundance Ion 116.90 (116.60 to 117.60): VX009425.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009425.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009425.D (-1420) (-)

Time-->



#67

Ethyl Benzene

Concen: 154.551 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009425.D

Acq: 09 May 2019 14:14

Instrument :

MSVOA_X

ClientSampled :

MW-8

Tot Ion: 91 Resp: 1552211

Ion Ratio Lower Upper

91 100

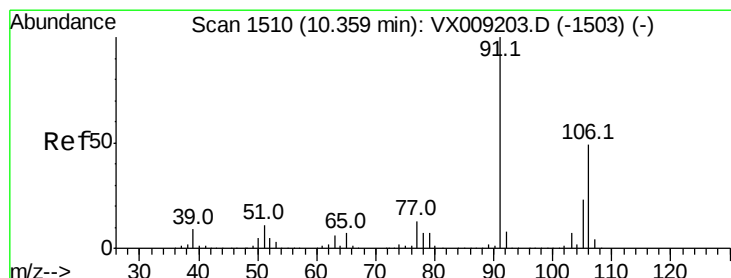
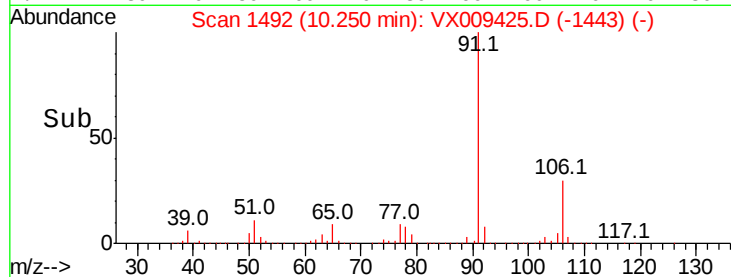
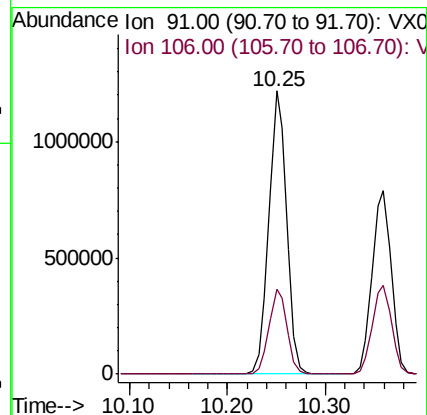
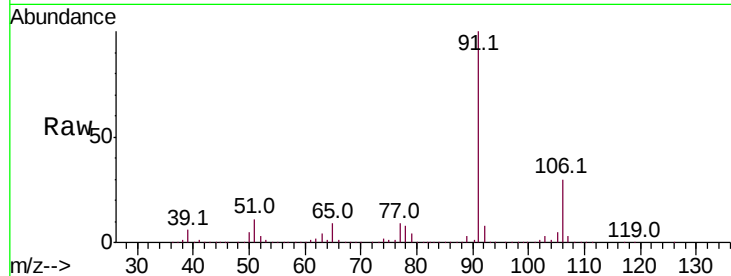
106 30.2 24.0 36.0

Manual Integrations

APPROVED

MMDadoda

5/10/2019 1:12:01 PM



#68

m/p-Xylenes

Concen: 142.027 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009425.D

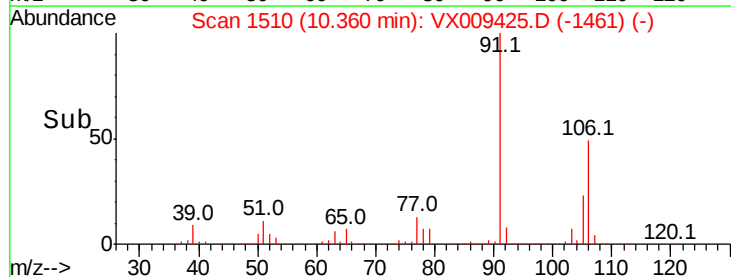
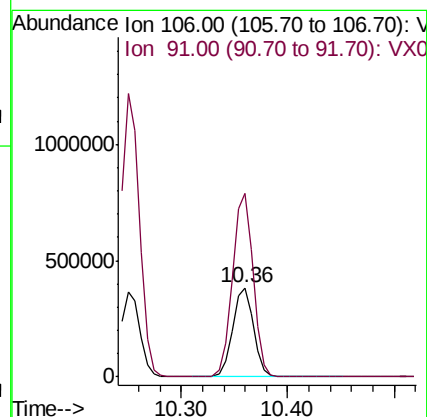
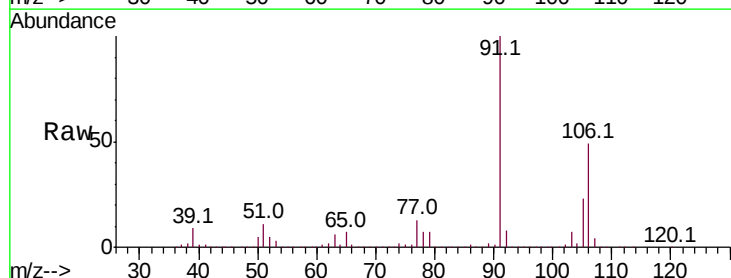
Acq: 09 May 2019 14:14

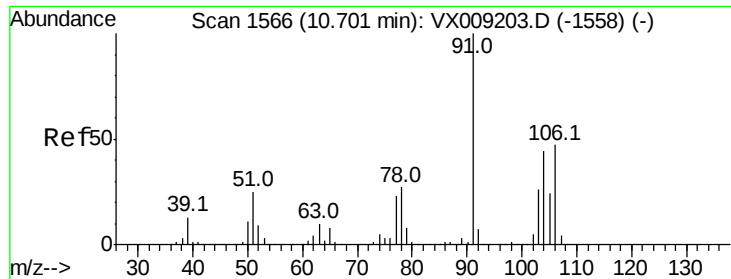
Tgt Ion:106 Resp: 521262

Ion Ratio Lower Upper

106 100

91 206.2 164.0 246.0





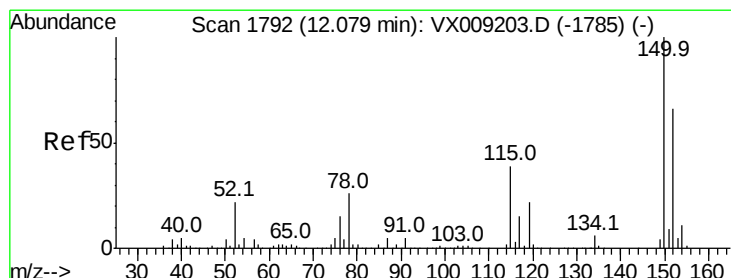
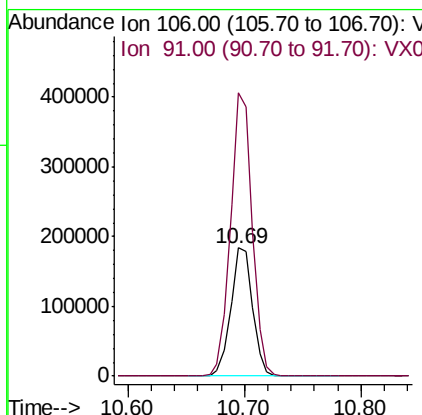
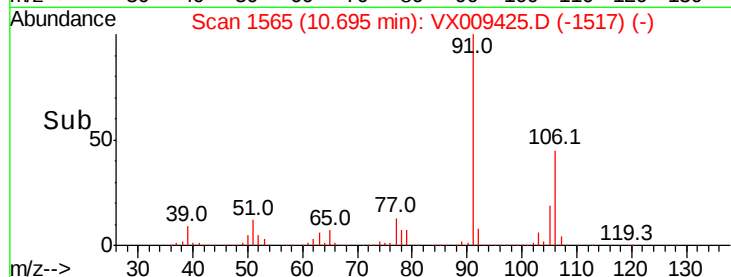
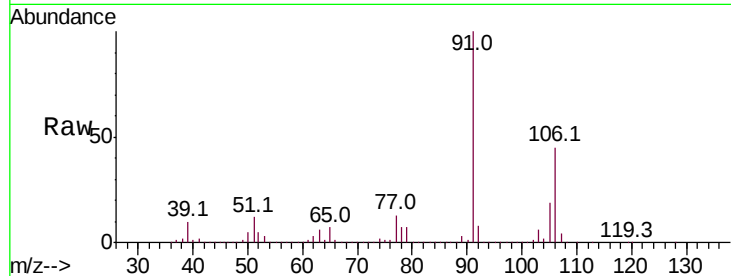
#69
o-Xylene
Concen: 66.418 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009425.D
Acq: 09 May 2019 14:14

Instrument :
MSVOA_X
ClientSampled :
MW-8

Tot Ion:106 Resp: 240510
Ion Ratio Lower Upper
106 100
91 218.6 109.5 328.4

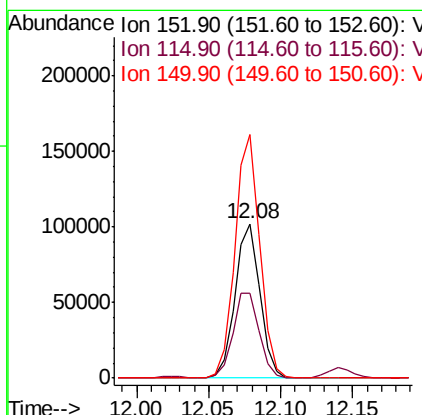
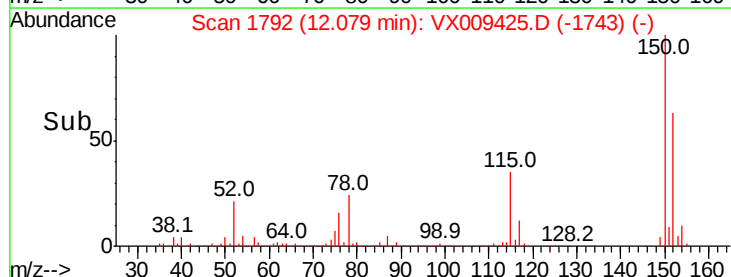
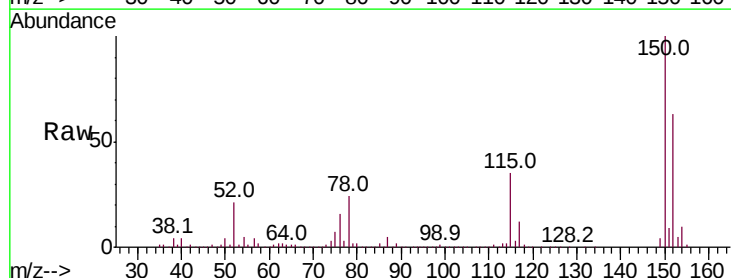
Manual Integrations
APPROVED

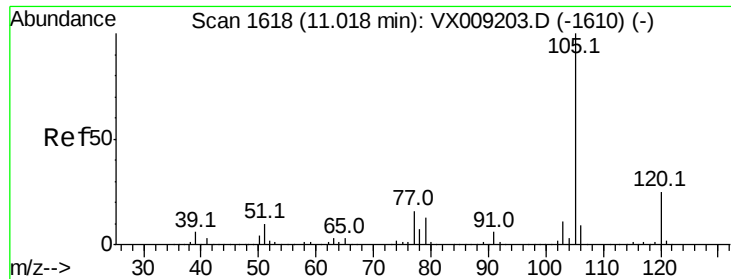
MMDadoda
5/10/2019 1:12:01 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009425.D
Acq: 09 May 2019 14:14

Tgt Ion:152 Resp: 123273
Ion Ratio Lower Upper
152 100
115 58.1 41.2 123.6
150 157.3 0.0 346.4





#73

Isopropylbenzene

Concen: 14.134 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009425.D

Acq: 09 May 2019 14:14

Instrument :

MSVOA_X

ClientSampled :

MW-8

Tot Ion: 105 Resp: 126699

Ion Ratio Lower Upper

105 100

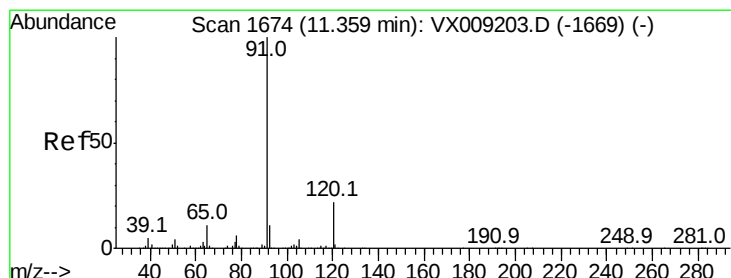
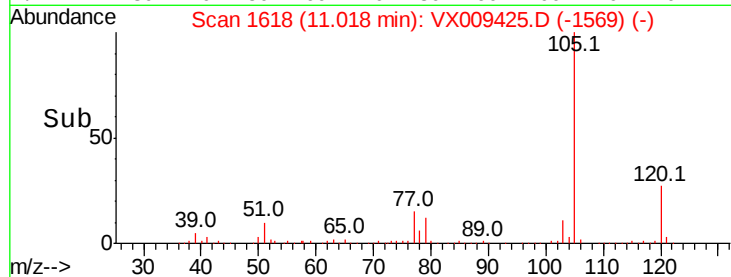
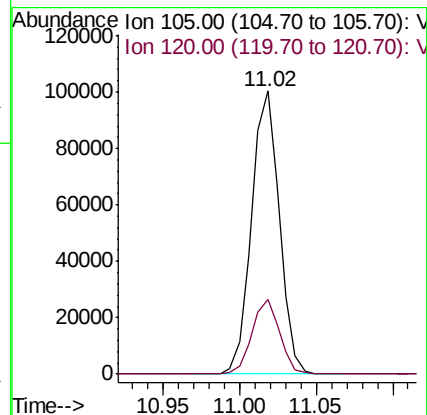
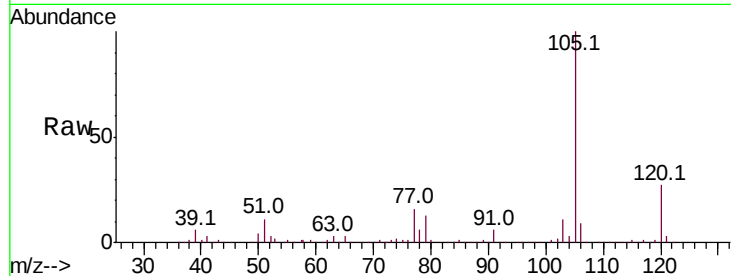
120 26.1 12.8 38.3

Manual Integrations

APPROVED

MMDadoda

5/10/2019 1:12:01 PM



#78

n-propylbenzene

Concen: 33.578 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009425.D

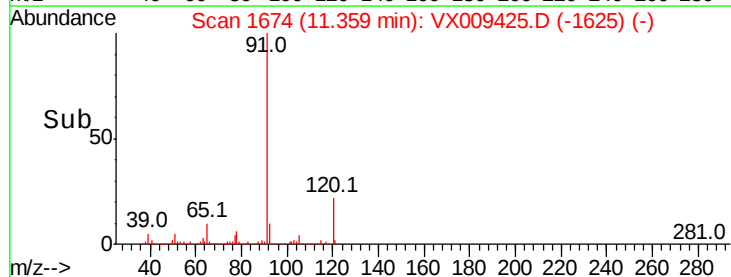
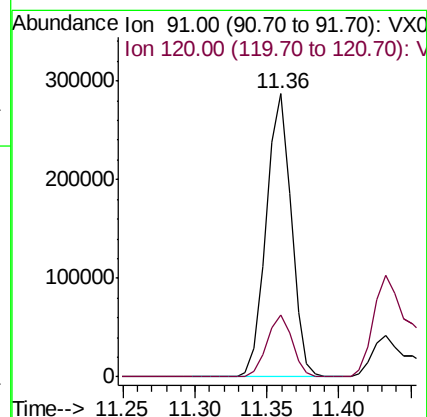
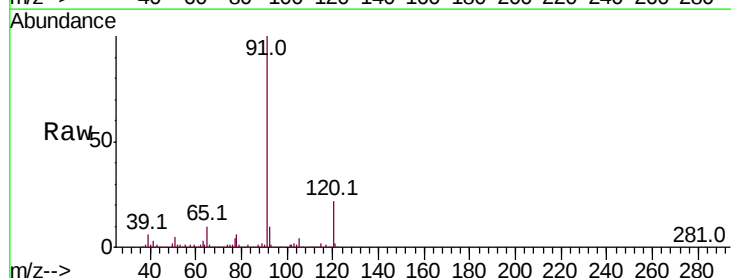
Acq: 09 May 2019 14:14

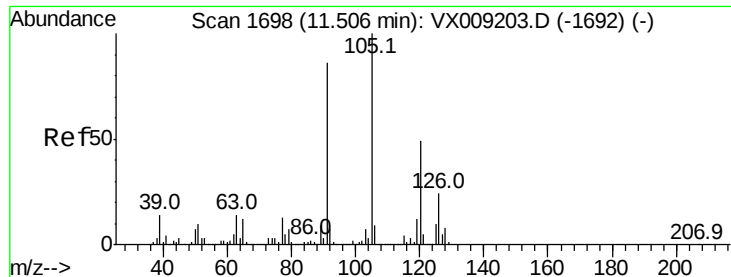
Tgt Ion: 91 Resp: 343762

Ion Ratio Lower Upper

91 100

120 22.0 11.0 33.0





#80

1,3,5-Trimethylbenzene

Concen: 23.361 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009425.D

Acq: 09 May 2019 14:14

Instrument :

MSVOA_X

ClientSampled :

MW-8

Tot Ion:105 Resp: 176330

Ion Ratio Lower Upper

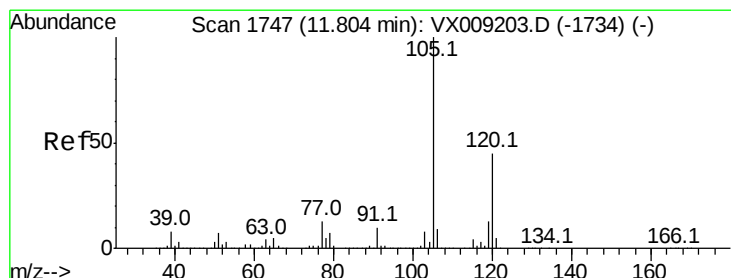
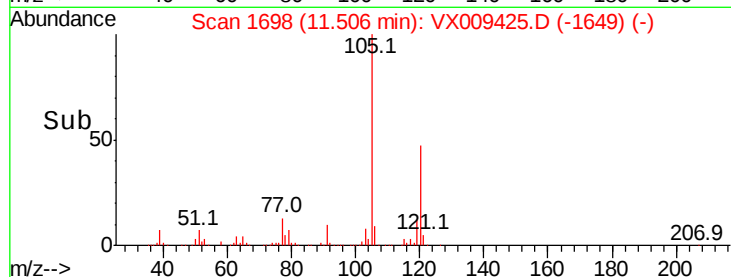
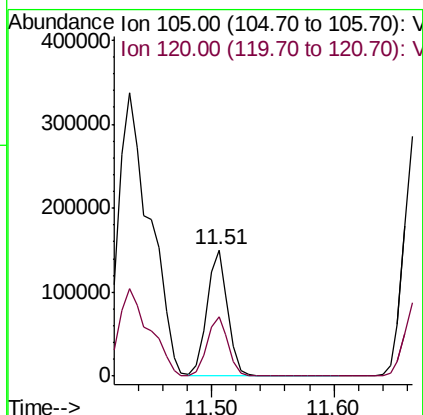
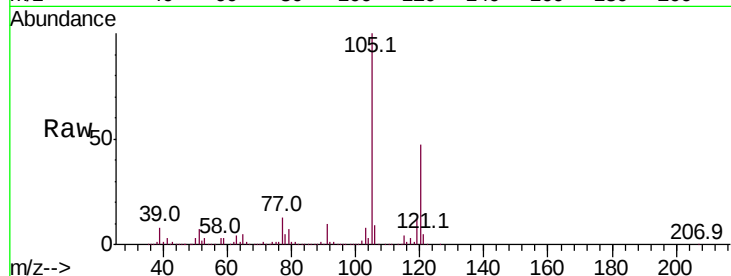
105 100

120 48.1 24.3 72.9

Manual Integrations
APPROVED

MMDadoda

5/10/2019 1:12:01 PM



#84

1,2,4-Trimethylbenzene

Concen: 98.883 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX009425.D

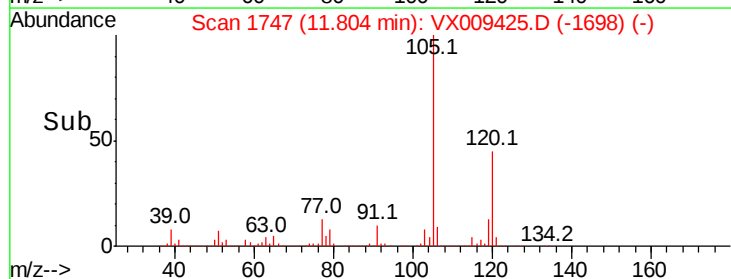
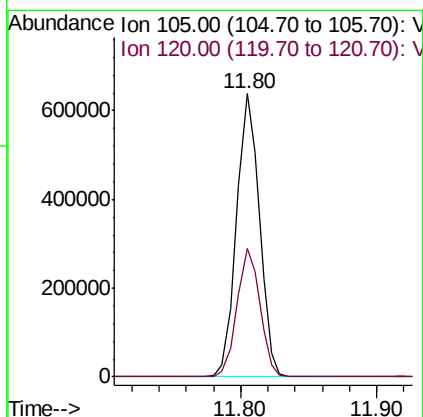
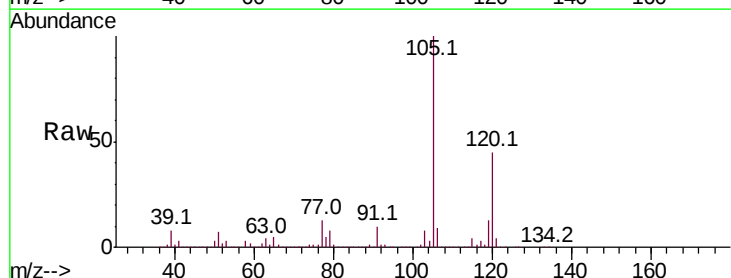
Acq: 09 May 2019 14:14

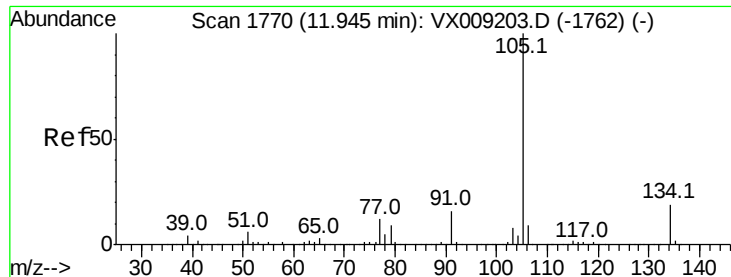
Tgt Ion:105 Resp: 749156

Ion Ratio Lower Upper

105 100

120 45.3 22.0 66.0





#85

sec-Butylbenzene

Concen: 2.733 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009425.D

Acq: 09 May 2019 14:14

Instrument :

MSVOA_X

ClientSampled :

MW-8

Tot Ion:105 Resp: 23790

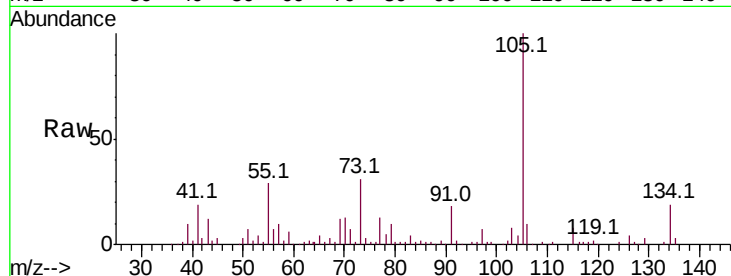
Ion Ratio Lower Upper

105 100

134 16.9 9.7 28.9

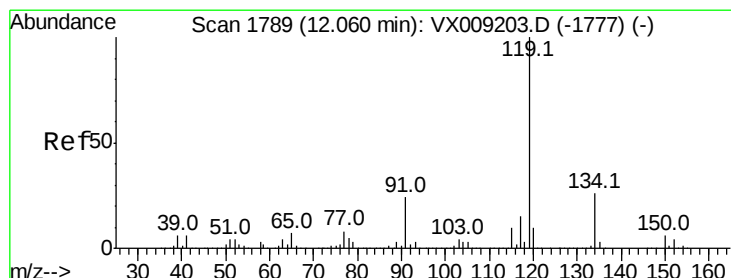
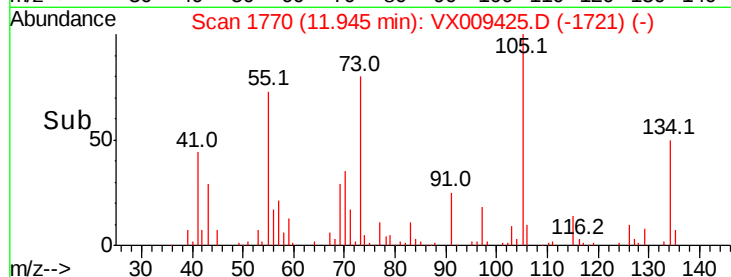
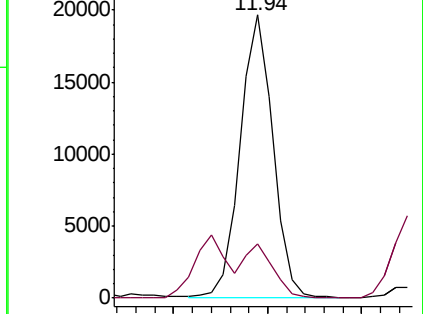
Manual Integrations
APPROVED

MMDadoda
5/10/2019 1:12:01 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.176 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009425.D

Acq: 09 May 2019 14:14

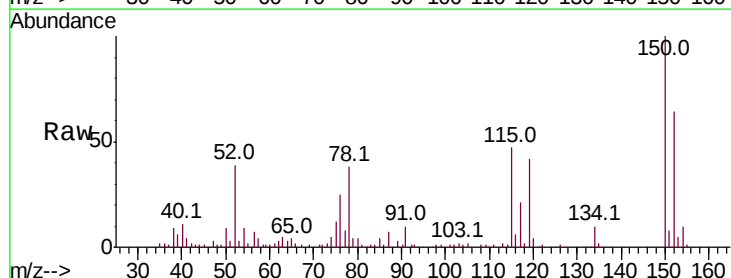
Tgt Ion:119 Resp: 9206

Ion Ratio Lower Upper

119 100

134 28.9 12.9 38.7

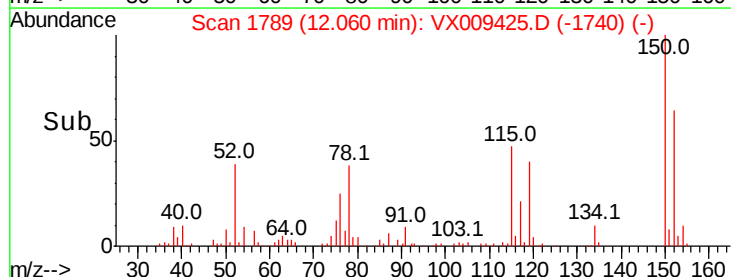
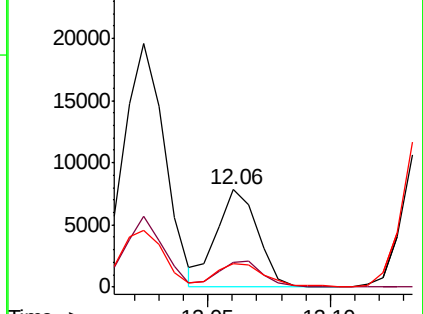
91 29.3 11.8 35.4

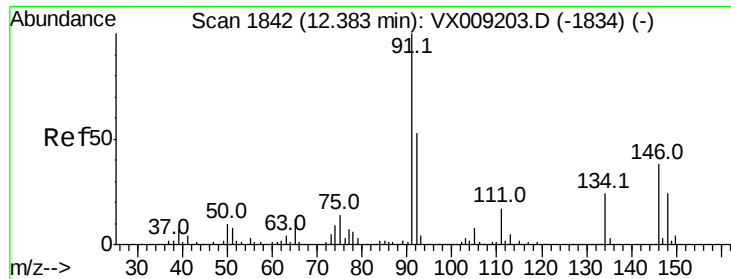


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





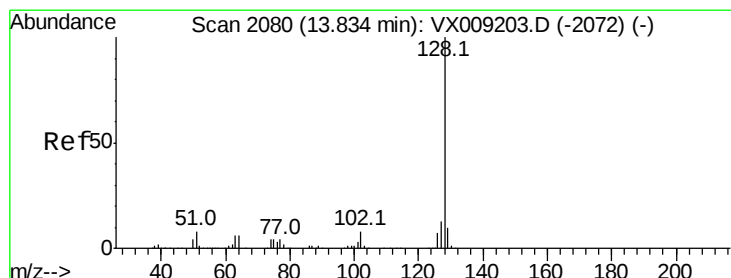
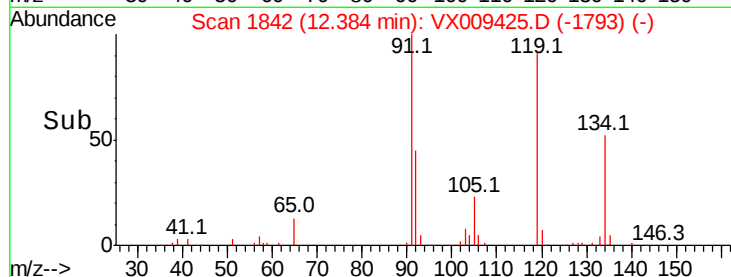
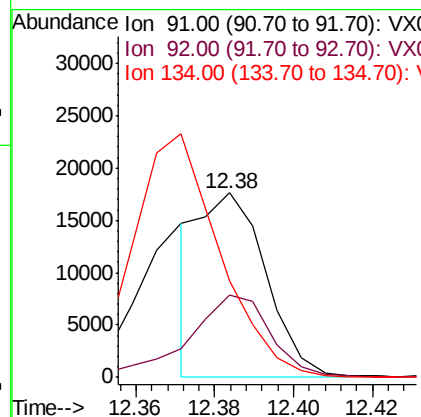
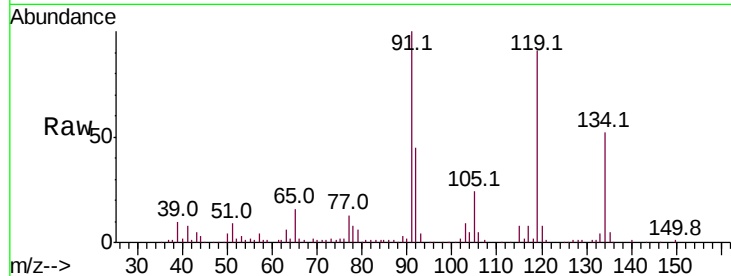
#89
n-Butylbenzene
Concen: 2.915 ug/l m
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009425.D
Acq: 09 May 2019 14:14

Instrument :
MSVOA_X
ClientSampled :
MW-8

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.7	26.5	79.5
134	169.1	12.4	37.2#

Manual Integrations
APPROVED

MMDadoda
5/10/2019 1:12:01 PM



#95
Naphthalene
Concen: 24.609 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009425.D
Acq: 09 May 2019 14:14

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	10.9	8.6	13.0

