

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110918\
 Data File : VX005879.D
 Acq On : 09 Nov 2018 23:57
 Operator : JC/MD
 Sample : J5889-02
 Misc : 14.24g/5mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WALL-B

Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 9:12:12 AM

Quant Time: Nov 12 01:32:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	104773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	161724	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	136285	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	74148	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	65516	54.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.78%	
35) Dibromofluoromethane	5.51	113	51883	47.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.34%	
50) Toluene-d8	8.71	98	176246	48.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.40%	
62) 4-Bromofluorobenzene	11.14	95	68502	52.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.20%	
Target Compounds						
					Qvalue	
18) Methyl Acetate	2.81	43	8543	3.537	ug/l #	87
31) Cyclohexane	5.56	56	2464m	1.468	ug/l	
39) Methylcyclohexane	7.45	83	12283	7.773	ug/l #	81
40) Benzene	6.13	78	3995	0.879	ug/l #	87
52) Toluene	8.79	92	7360	2.897	ug/l	97
67) Ethyl Benzene	10.26	91	53301	12.175	ug/l	99
68) m/p-Xylenes	10.36	106	46882	28.074	ug/l	97
69) o-Xylene	10.70	106	15985	10.675	ug/l	99
73) Isopropylbenzene	11.02	105	20886	4.871	ug/l	100
78) n-propylbenzene	11.36	91	55306	10.944	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	97032	26.629	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	303120	75.440	ug/l	100
85) sec-Butylbenzene	11.95	105	38294	8.495	ug/l	82
86) p-Isopropyltoluene	12.07	119	28857	7.227	ug/l	98
89) n-Butylbenzene	12.39	91	69522	18.786	ug/l #	38
95) Naphthalene	13.83	128	442320	82.142	ug/l	97

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

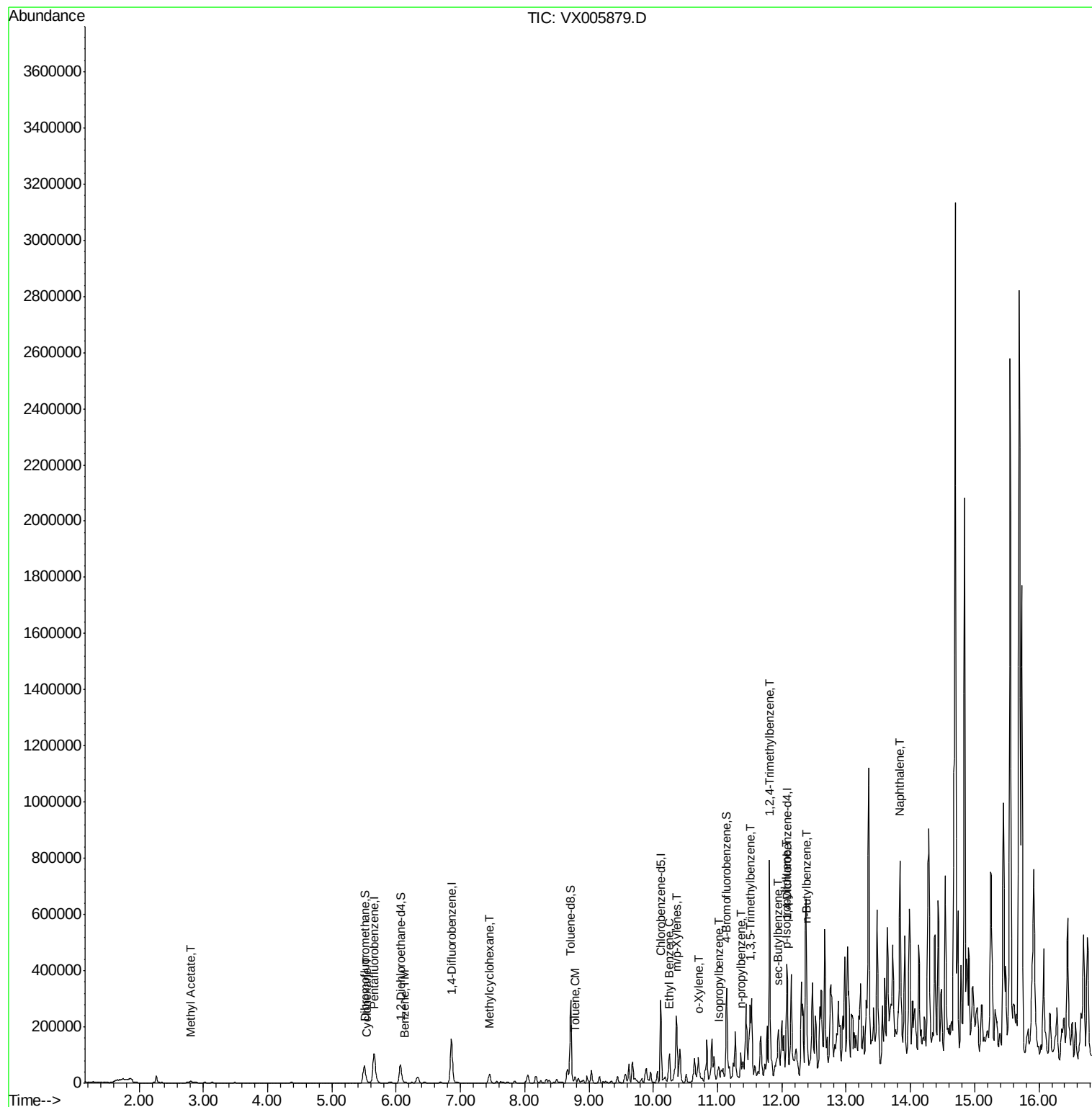
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX110918\
Data File : VX005879.D
Acq On : 09 Nov 2018 23:57
Operator : JC/MD
Sample : J5889-02
Misc : 14.24g/5mL/100uL/5.0mL/MSVOA_X/MEOH
ALS Vial : 30 Sample Multiplier: 1

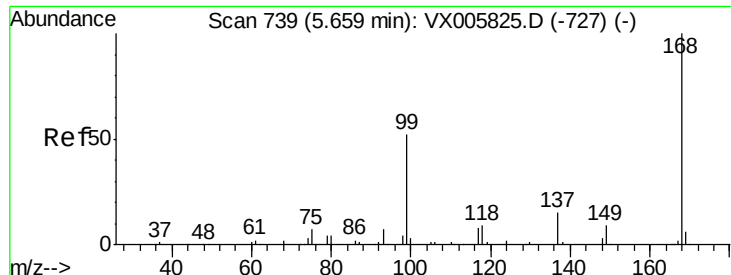
Instrument :
MSVOA_X
ClientSampleId :
WALL-B

Manual Integrations
APPROVED

MMDadoda
11/12/2018 9:12:12 AM

Quant Time: Nov 12 01:32:45 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration





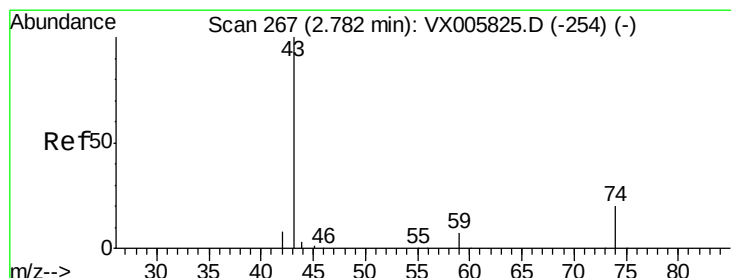
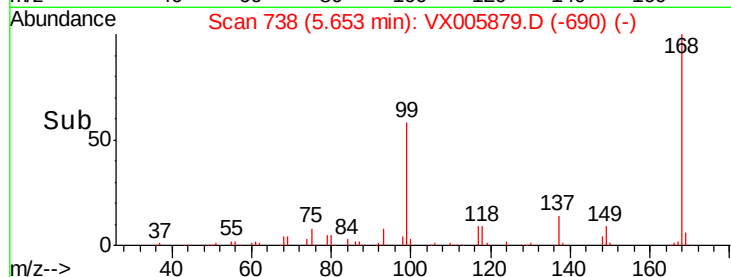
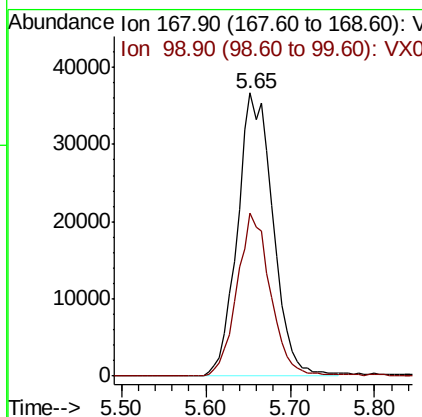
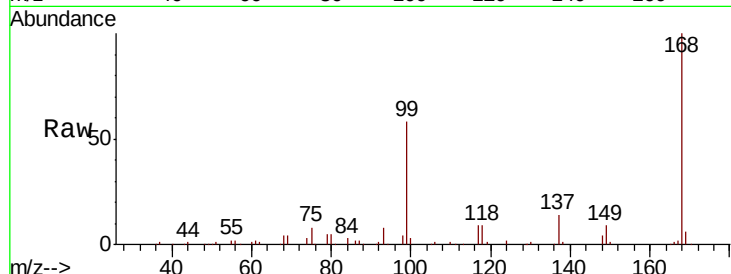
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.01 min
Lab File: VX005879.D
Acq: 09 Nov 2018 23:57

Instrument :
MSVOA_X
ClientSampleId :
WALL-B

Tot Ion:168 Resp: 104773
Ion Ratio Lower Upper
168 100
99 57.7 40.7 61.1

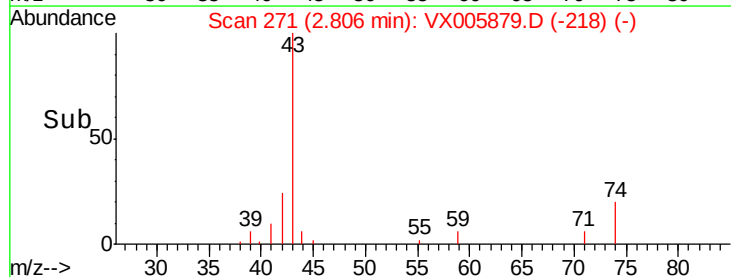
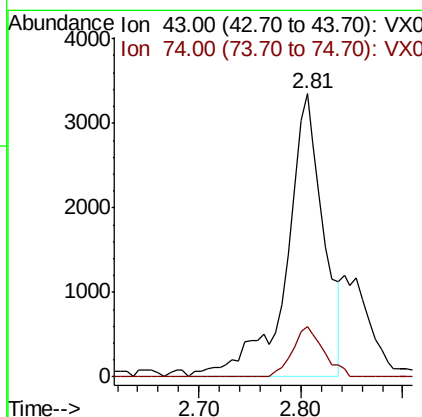
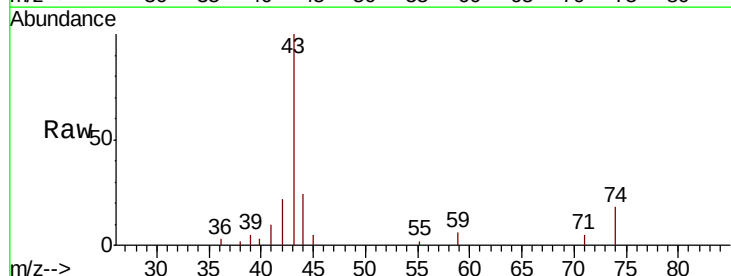
Manual Integrations
APPROVED

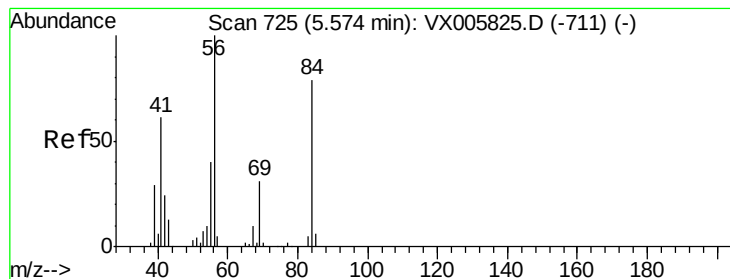
MMDadoda
11/12/2018 9:12:12 AM



#18
Methyl Acetate
Concen: 3.537 ug/l
RT: 2.81 min Scan# 271
Delta R.T. 0.02 min
Lab File: VX005879.D
Acq: 09 Nov 2018 23:57

Tgt Ion: 43 Resp: 8543
Ion Ratio Lower Upper
43 100
74 14.8 16.8 25.2#





#31

Cyclohexane

Concen: 1.468 ug/l m

RT: 5.56 min Scan# 722

Delta R.T. -0.02 min

Lab File: VX005879.D

Acq: 09 Nov 2018 23:57

Instrument :

MSVOA_X

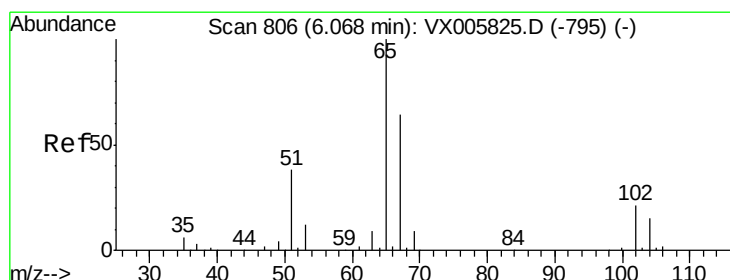
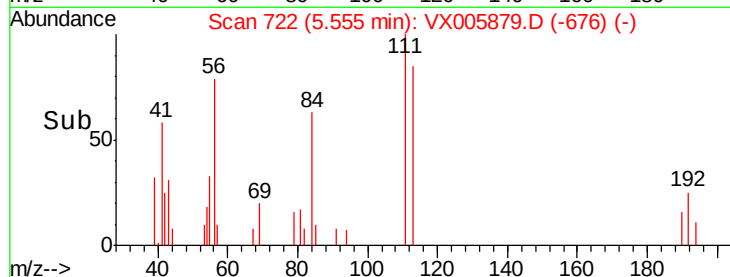
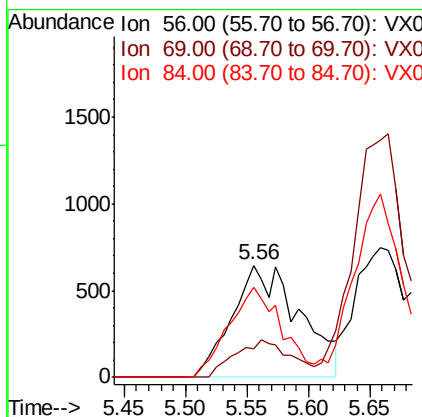
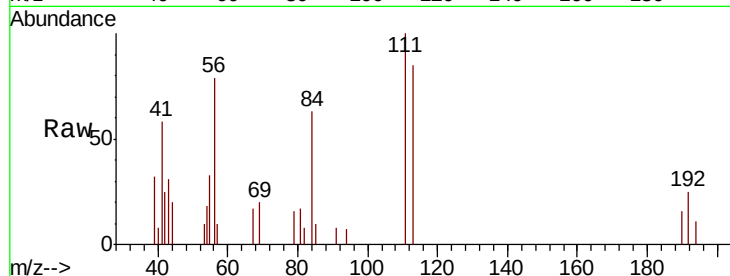
ClientSampled :

WALL-B

Tot Ion:	56	Resp:	2464
Ion	Ratio	Lower	Upper
56	100		
69	25.2	22.6	34.0
84	79.8	62.7	94.1

Manual Integrations
APPROVED

MMDadoda
11/12/2018 9:12:12 AM



#33

1,2-Dichloroethane-d4

Concen: 54.393 ug/l

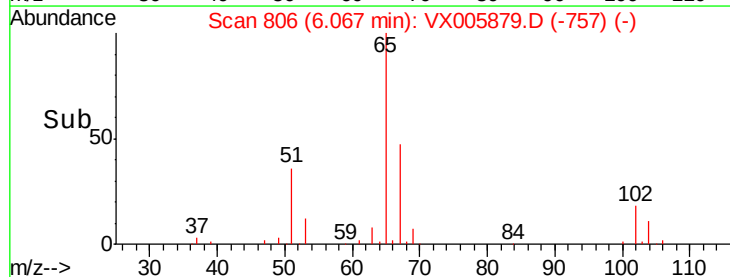
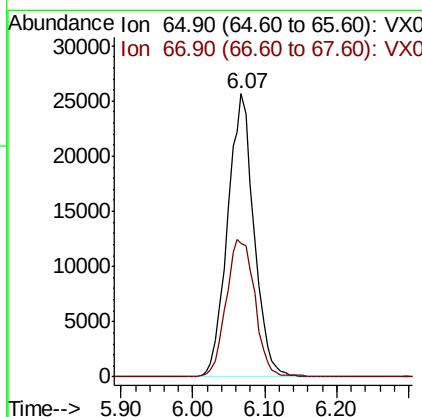
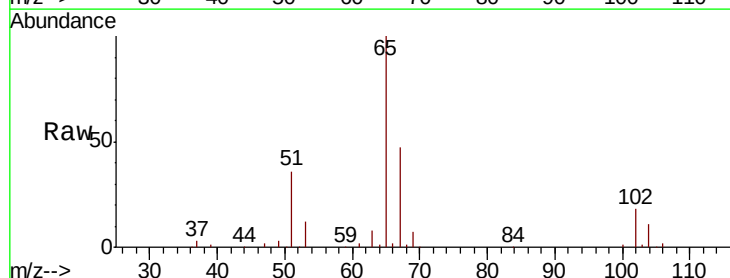
RT: 6.07 min Scan# 806

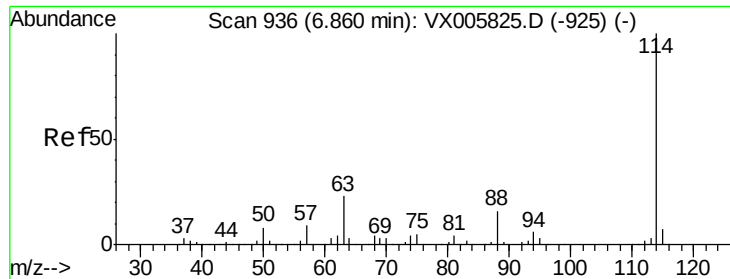
Delta R.T. -0.00 min

Lab File: VX005879.D

Acq: 09 Nov 2018 23:57

Tgt Ion:	65	Resp:	65516
Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	105.0





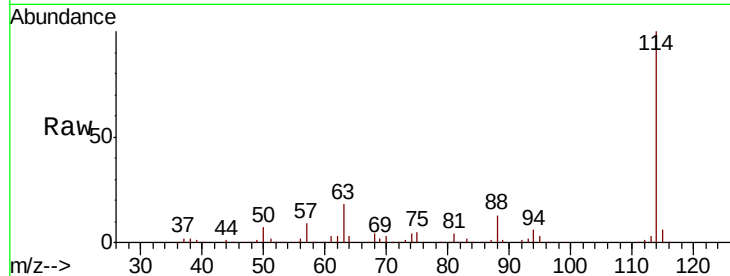
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005879.D
 Acq: 09 Nov 2018 23:57

Instrument :
 MSVOA_X
 ClientSampleId :
 WALL-B

Tot Ion	Ratio	Resp	Lower	Upper
114	100	161724		
63	17.9	0.0	42.8	
88	13.1	0.0	31.2	

Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 9:12:12 AM

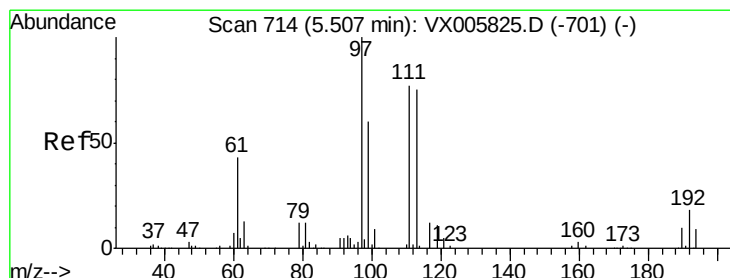
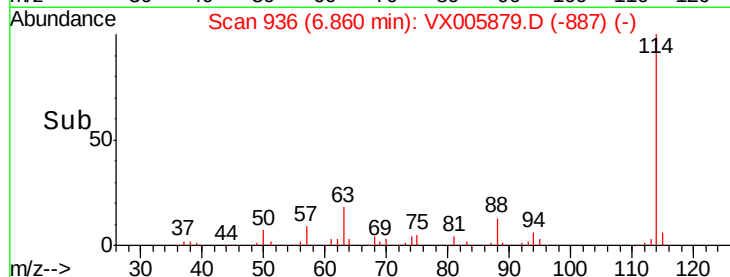
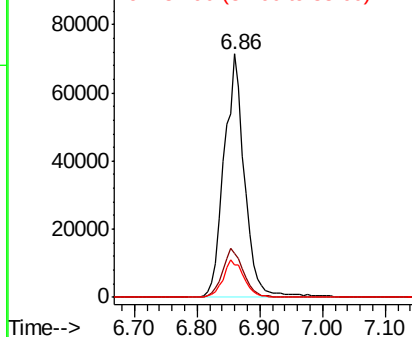


Abundance

Ion 113.90 (113.60 to 114.60): V

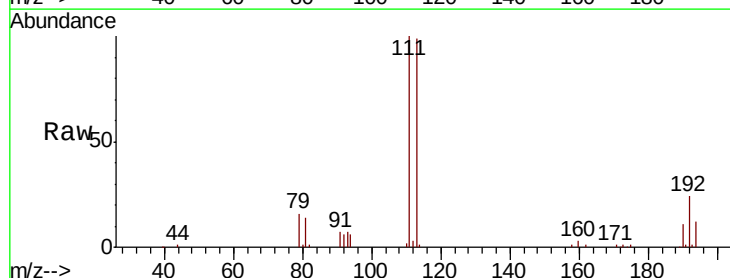
Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35
 Dibromofluoromethane
 Concen: 47.168 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. -0.00 min
 Lab File: VX005879.D
 Acq: 09 Nov 2018 23:57

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	51883		
111	101.8	82.3	123.5	
192	23.7	17.9	26.9	

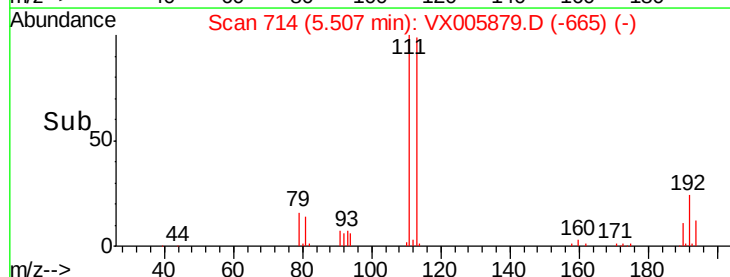
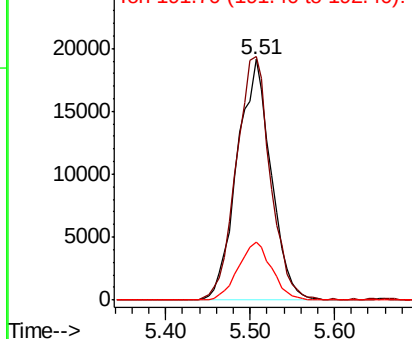


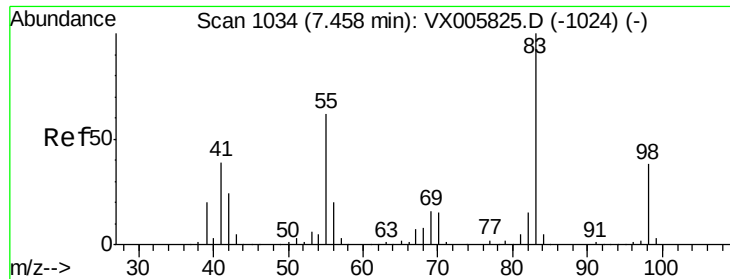
Abundance

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





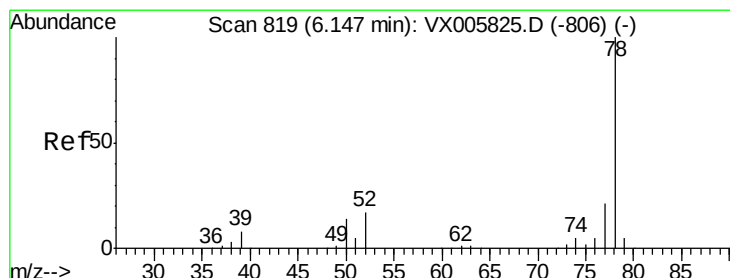
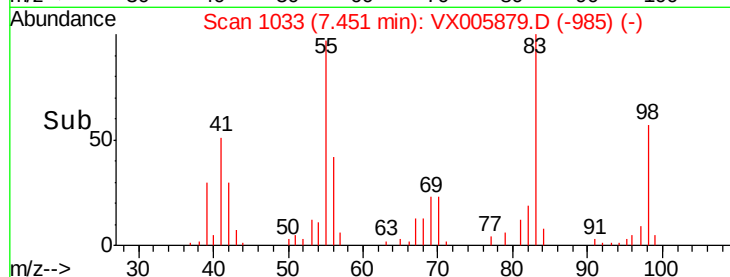
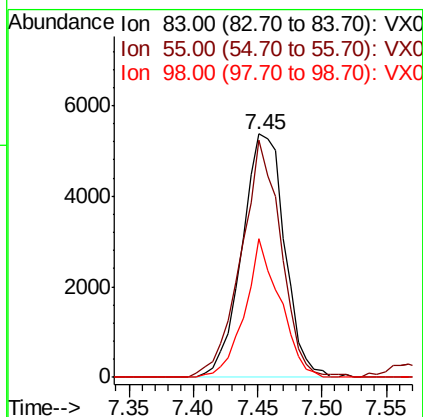
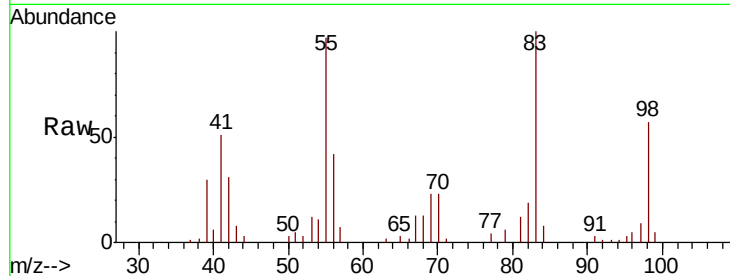
#39
Methylvlcyclohexane
Concen: 7.773 ug/l
RT: 7.45 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VX005879.D
Acq: 09 Nov 2018 23:57

Instrument :
MSVOA_X
ClientSampleId :
WALL-B

Tot Ion	Ratio	Lower	Upper
83	100		
55	97.3	63.7	95.5#
98	57.0	36.2	54.2#

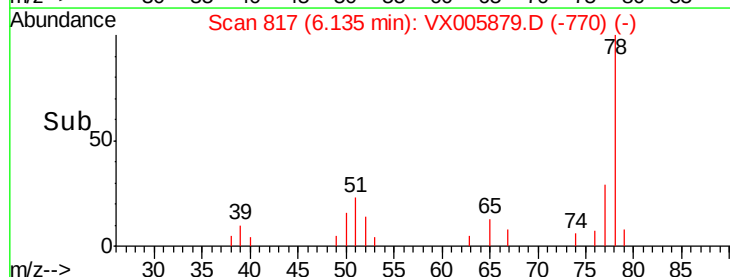
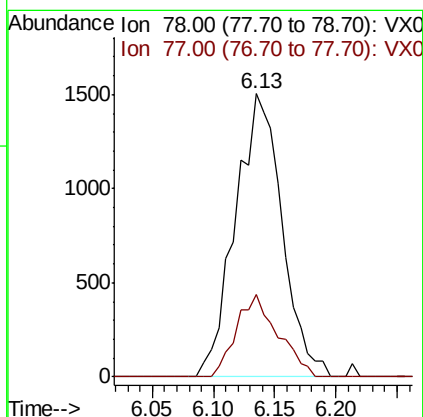
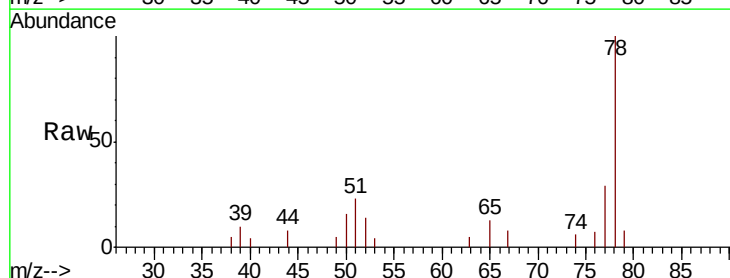
Manual Integrations
APPROVED

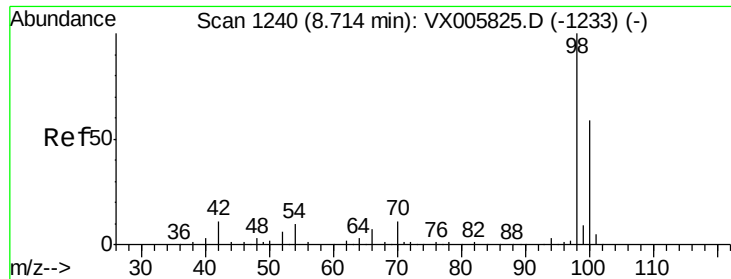
MMDadoda
11/12/2018 9:12:12 AM



#40
Benzene
Concen: 0.879 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX005879.D
Acq: 09 Nov 2018 23:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	29.3	18.4	27.6#





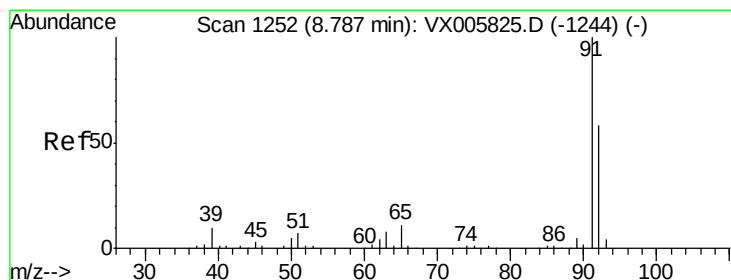
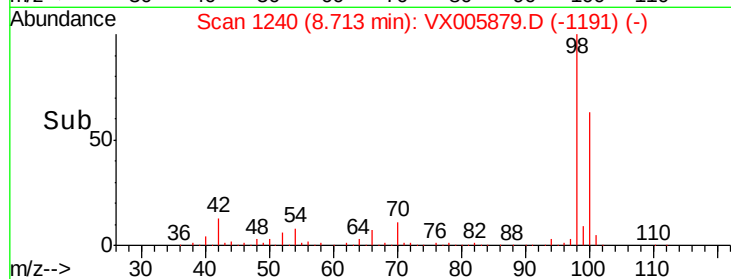
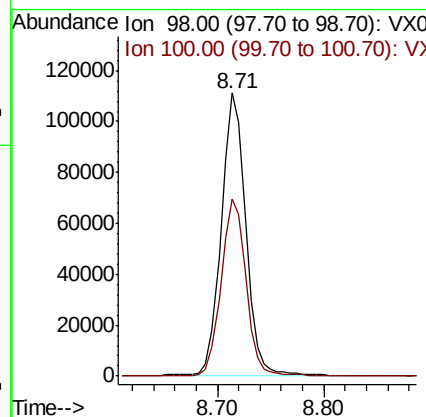
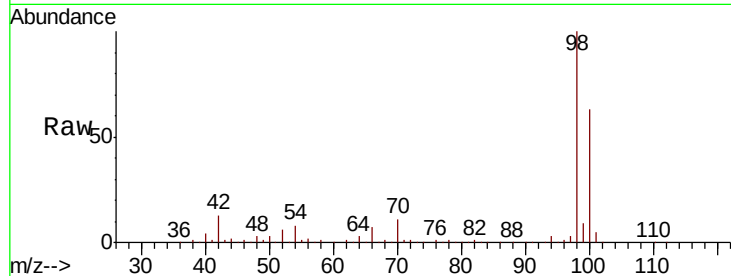
#50
Toluene-d8
Concen: 48.195 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005879.D
Acq: 09 Nov 2018 23:57

Instrument :
MSVOA_X
ClientSampleId :
WALL-B

Tot Ion	98	100	Ratio	Lower	Upper
176246	100	64.6	51.3	76.9	

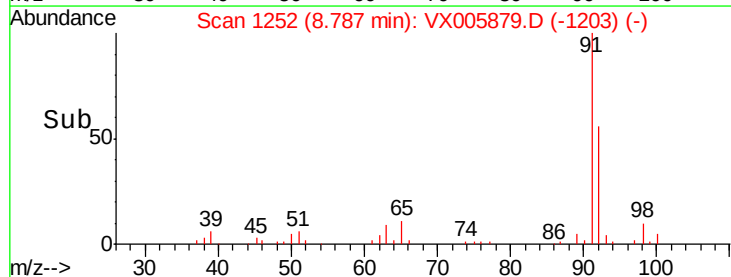
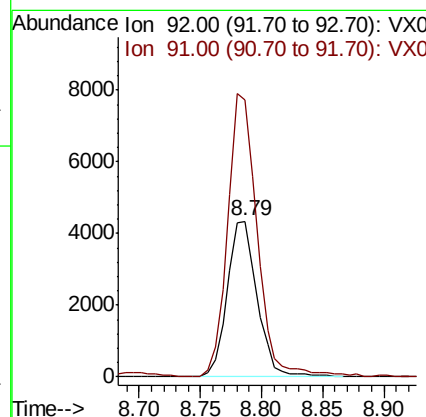
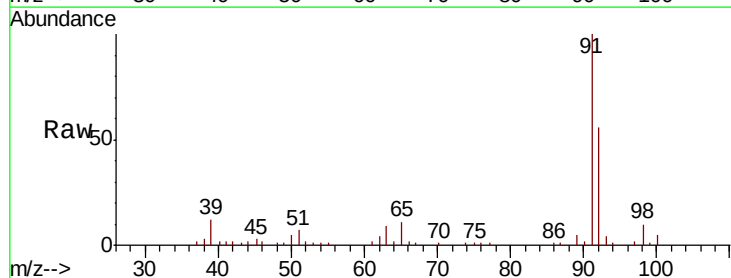
Manual Integrations
APPROVED

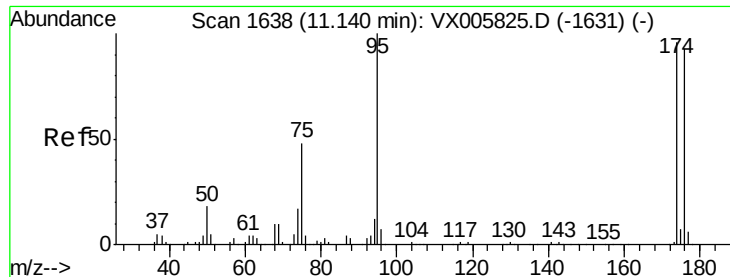
MMDadoda
11/12/2018 9:12:12 AM



#52
Toluene
Concen: 2.897 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX005879.D
Acq: 09 Nov 2018 23:57

Tgt Ion	92	91	Ratio	Lower	Upper
7360	100	180.4	140.4	210.6	





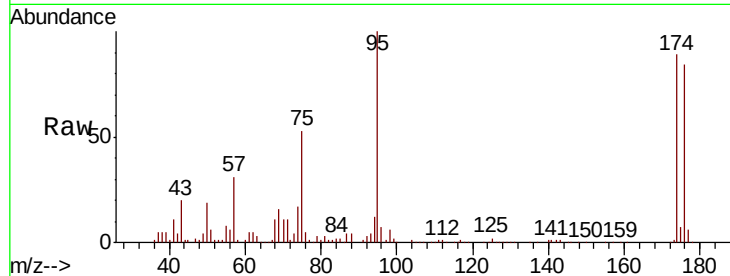
#62
4-Bromofluorobenzene
Concen: 52.101 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005879.D
Acq: 09 Nov 2018 23:57

Instrument :
MSVOA_X
ClientSampleId :
WALL-B

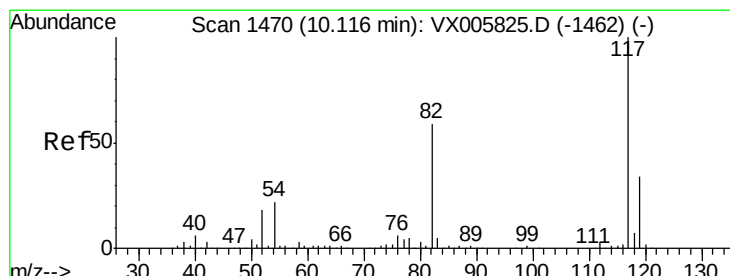
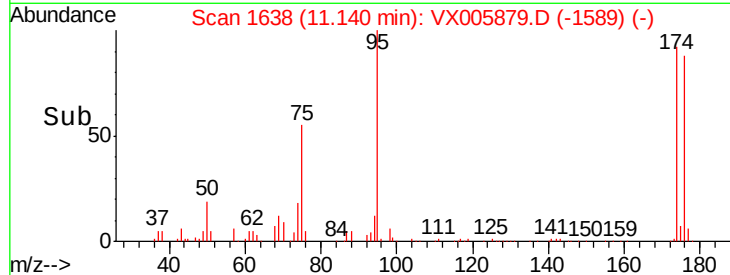
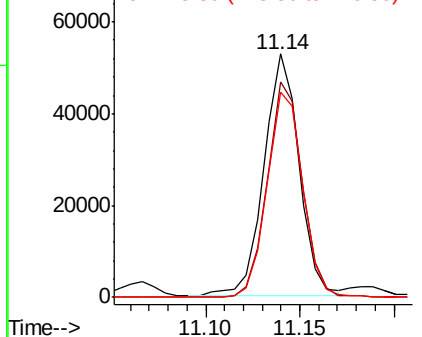
Tot Ion	Ratio	Lower	Upper
95	100		
174	88.2	0.0	184.4
176	85.6	0.0	177.4

Manual Integrations
APPROVED

MMDadoda
11/12/2018 9:12:12 AM

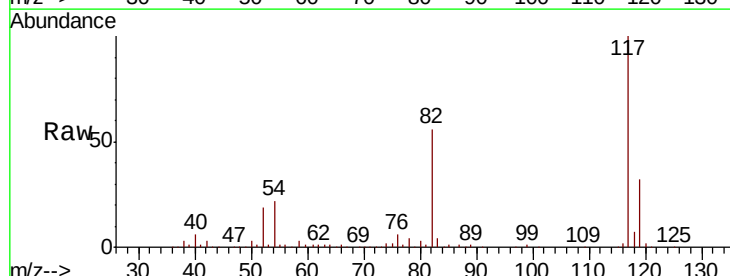


Abundance Ion 94.90 (94.60 to 95.60): VX005825.D (-1631) (-)
Ion 173.80 (173.50 to 174.50): VX005825.D (-1631) (-)
Ion 175.80 (175.50 to 176.50): VX005825.D (-1631) (-)

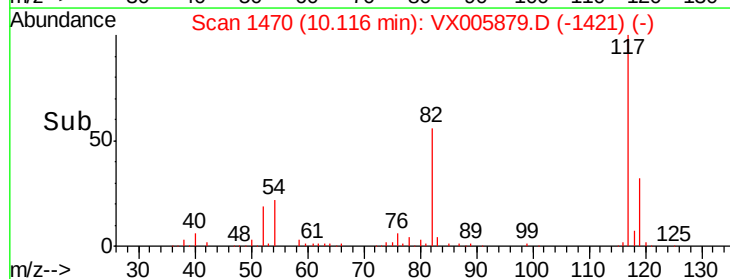
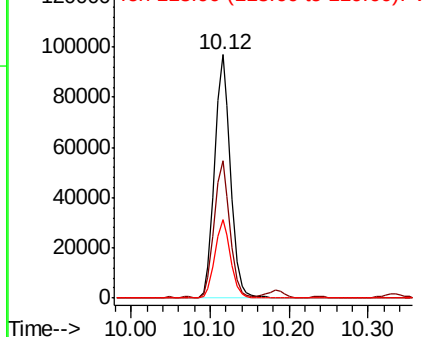


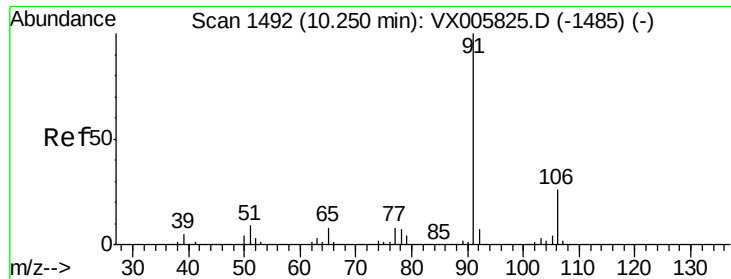
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005879.D
Acq: 09 Nov 2018 23:57

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.3	44.1	66.1
119	32.4	26.2	39.2



Abundance Ion 116.90 (116.60 to 117.60): VX005825.D (-1462) (-)
Ion 82.00 (81.70 to 82.70): VX005825.D (-1462) (-)
Ion 118.90 (118.60 to 119.60): VX005825.D (-1462) (-)





#67

Ethyl Benzene

Concen: 12.175 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VX005879.D

Acq: 09 Nov 2018 23:57

Instrument :

MSVOA_X

ClientSampled :

WALL-B

Tot Ion: 91 Resp: 53301

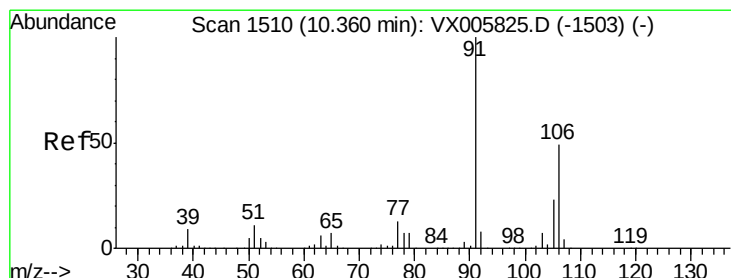
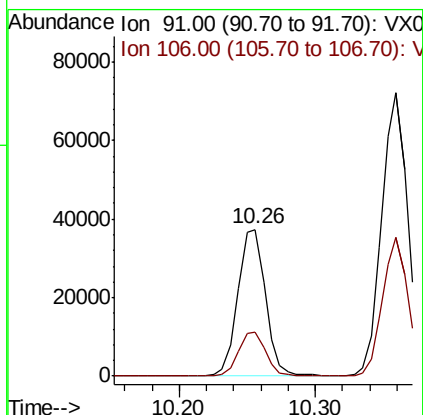
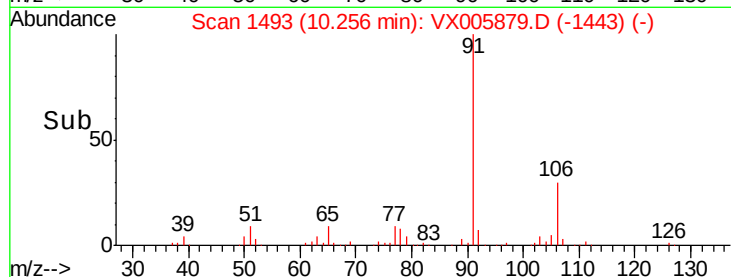
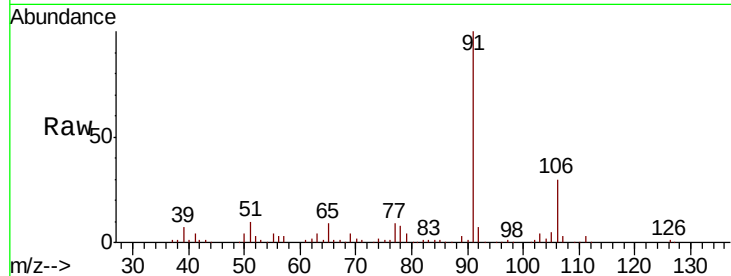
Ion Ratio Lower Upper

91 100

106 29.9 24.4 36.6

Manual Integrations
APPROVED

MMDadoda
11/12/2018 9:12:12 AM



#68

m/p-Xylenes

Concen: 28.074 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005879.D

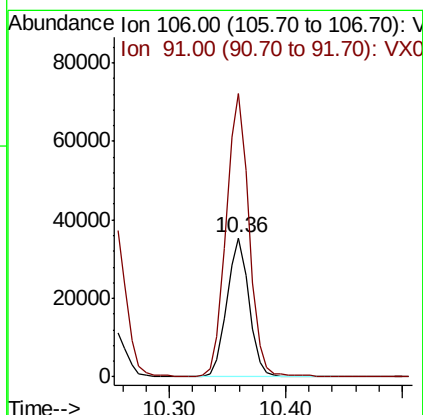
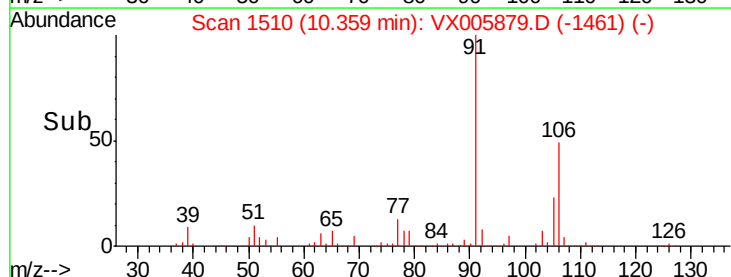
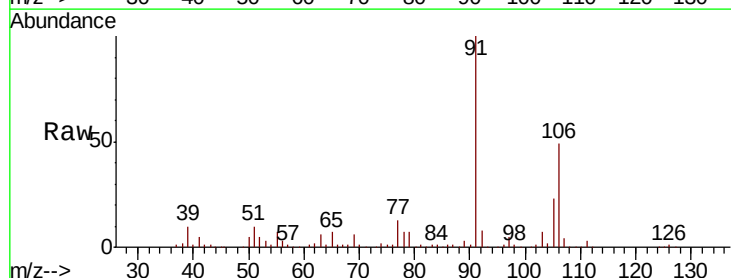
Acq: 09 Nov 2018 23:57

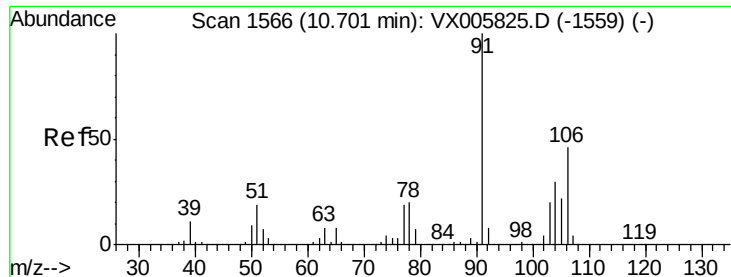
Tgt Ion: 106 Resp: 46882

Ion Ratio Lower Upper

106 100

91 209.8 164.2 246.4





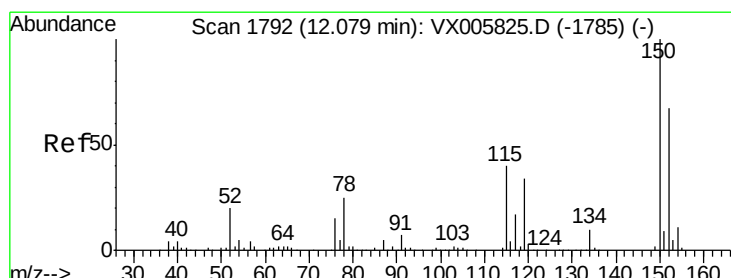
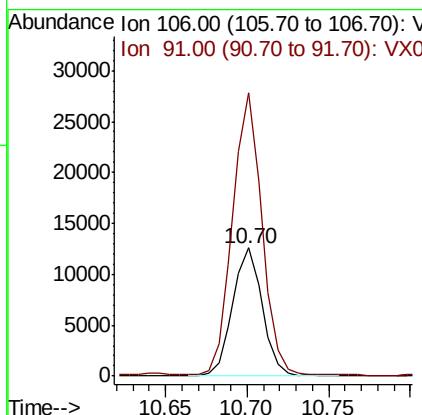
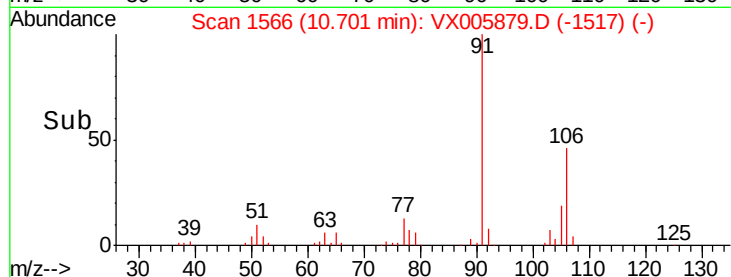
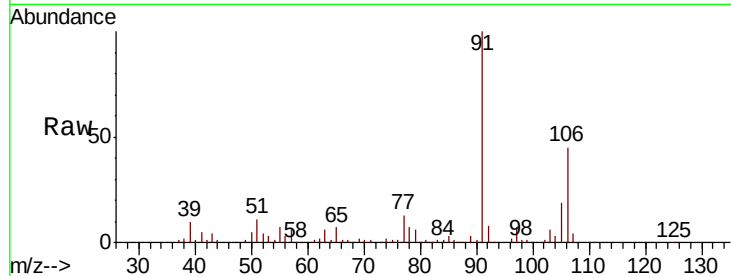
#69
o-Xylene
Concen: 10.675 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005879.D
Acq: 09 Nov 2018 23:57

Instrument :
MSVOA_X
ClientSampled :
WALL-B

Tot Ion:106 Resp: 15985
Ion Ratio Lower Upper
106 100
91 218.7 108.5 325.5

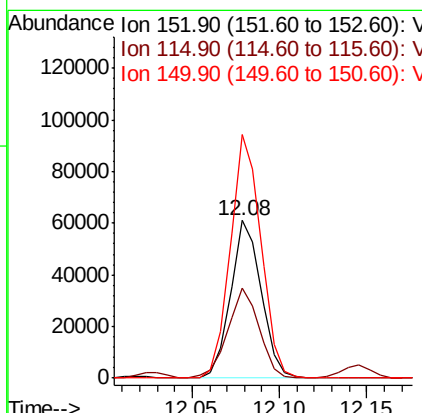
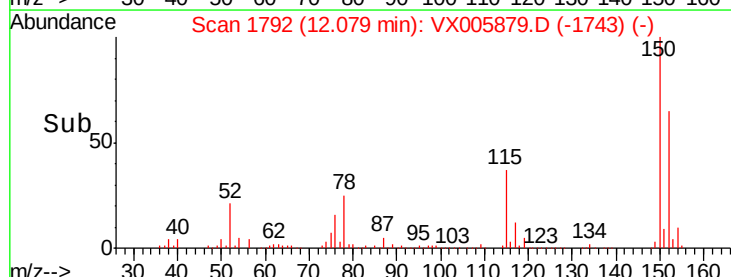
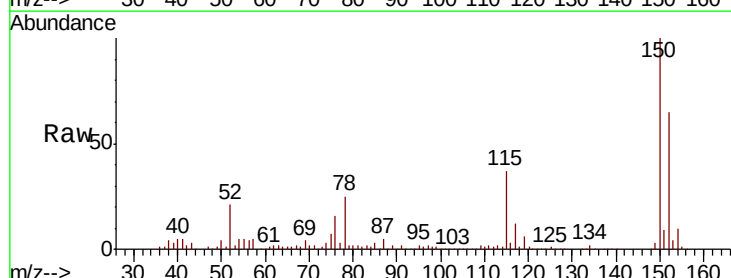
Manual Integrations
APPROVED

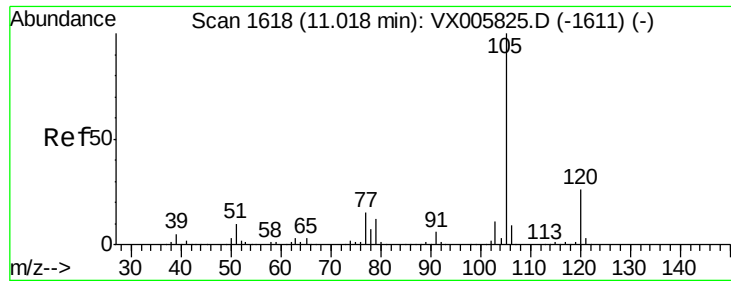
MMDadoda
11/12/2018 9:12:12 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005879.D
Acq: 09 Nov 2018 23:57

Tgt Ion:152 Resp: 74148
Ion Ratio Lower Upper
152 100
115 58.3 39.4 118.1
150 154.9 0.0 346.4





#73

Isopropylbenzene

Concen: 4.871 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005879.D

Acq: 09 Nov 2018 23:57

Instrument :

MSVOA_X

ClientSampleId :

WALL-B

Tot Ion:105 Resp: 20886

Ion Ratio Lower Upper

105 100

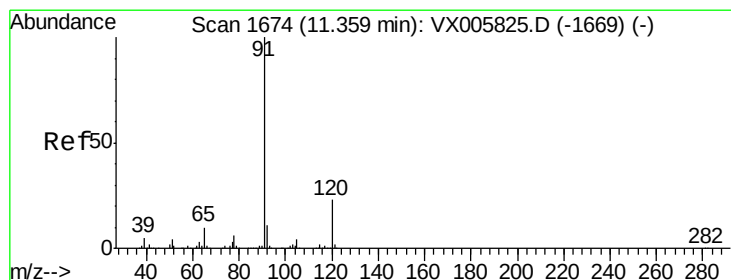
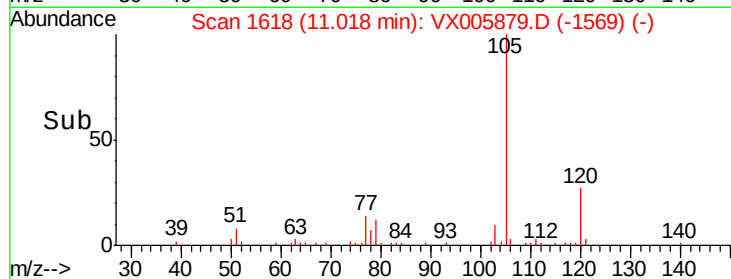
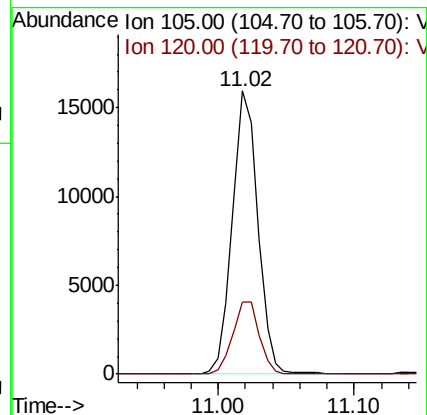
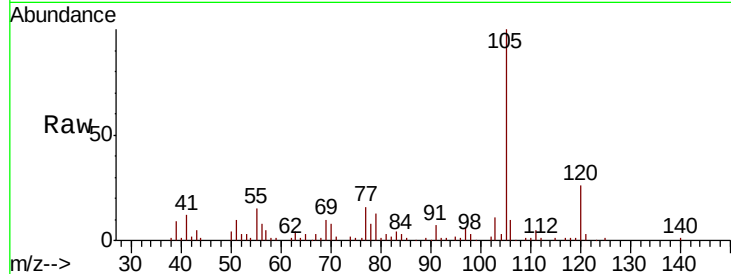
120 26.3 13.1 39.3

Manual Integrations

APPROVED

MMDadoda

11/12/2018 9:12:12 AM



#78

n-propylbenzene

Concen: 10.944 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005879.D

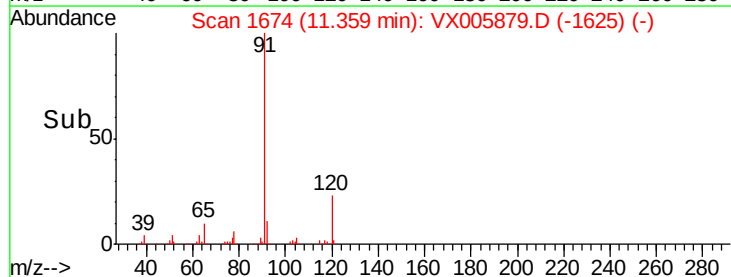
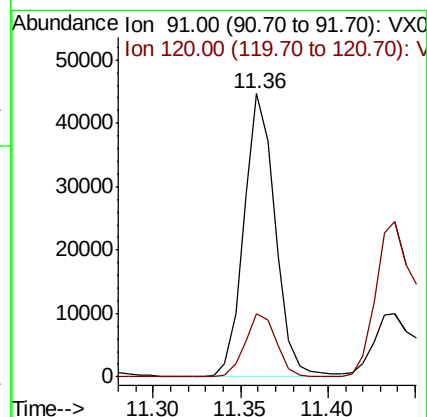
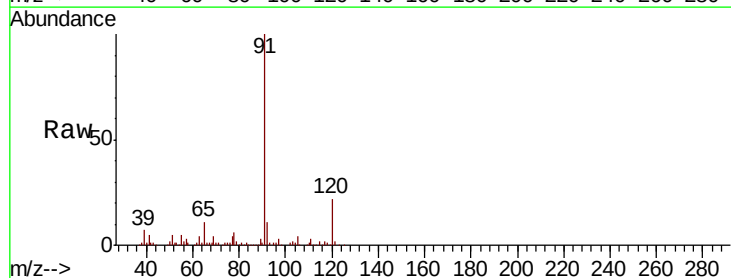
Acq: 09 Nov 2018 23:57

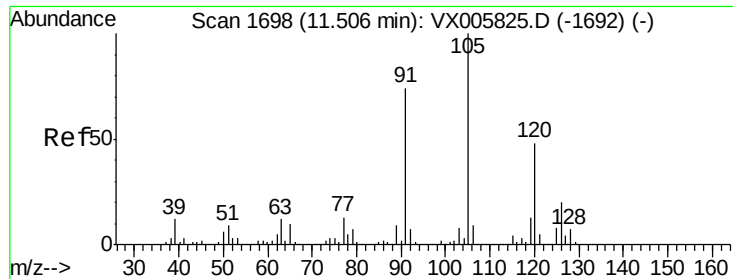
Tgt Ion: 91 Resp: 55306

Ion Ratio Lower Upper

91 100

120 22.4 11.9 35.5





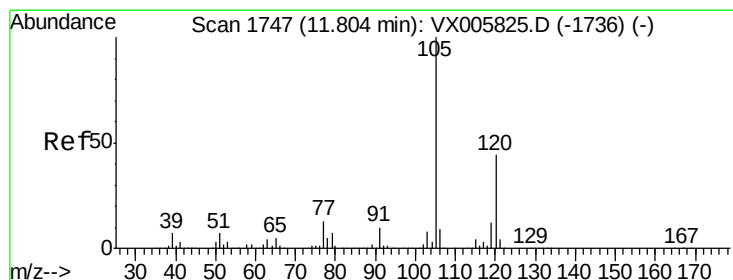
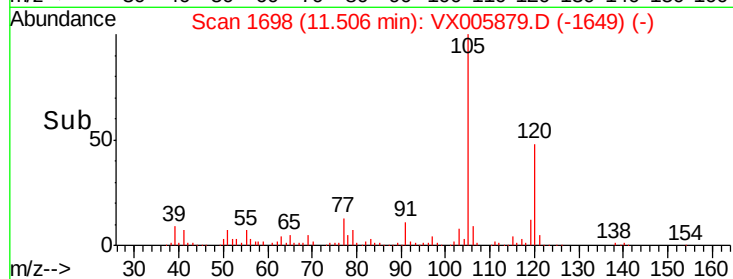
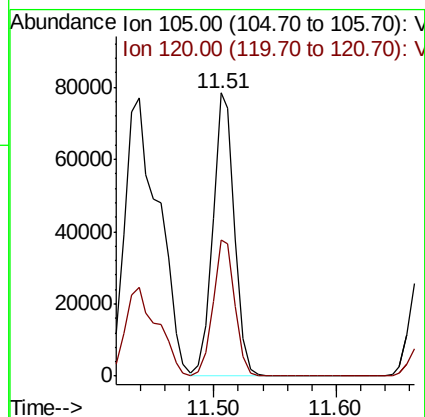
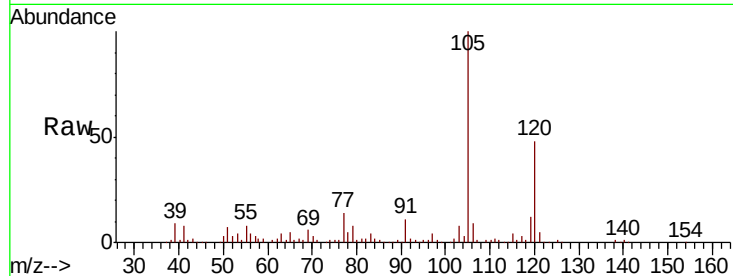
#80
 1,3,5-Trimethylbenzene
 Concen: 26.629 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005879.D
 Acq: 09 Nov 2018 23:57

Instrument :
 MSVOA_X
 ClientSampled :
 WALL-B

Tot Ion:105 Resp: 97032
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.1 72.2

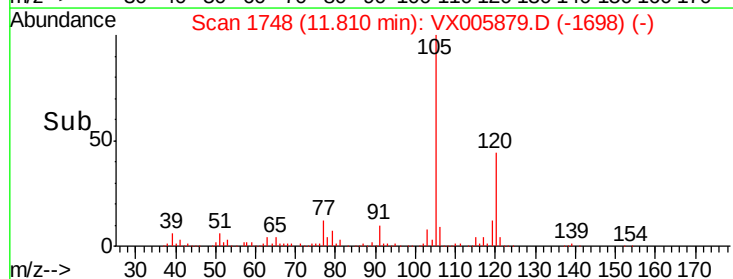
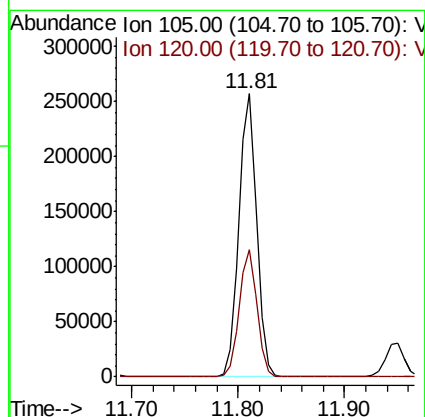
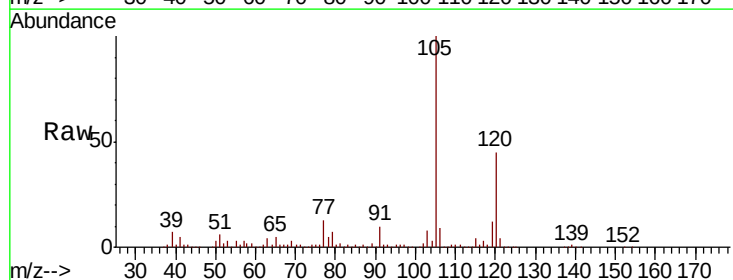
Manual Integrations
 APPROVED

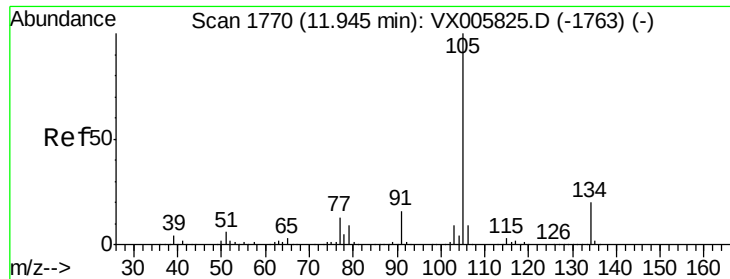
MMDadoda
 11/12/2018 9:12:12 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 75.440 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX005879.D
 Acq: 09 Nov 2018 23:57

Tgt Ion:105 Resp: 303120
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.4 67.0





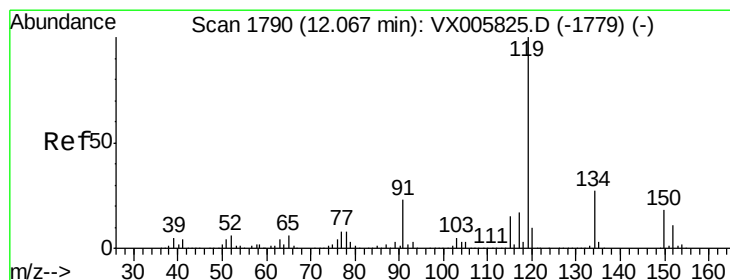
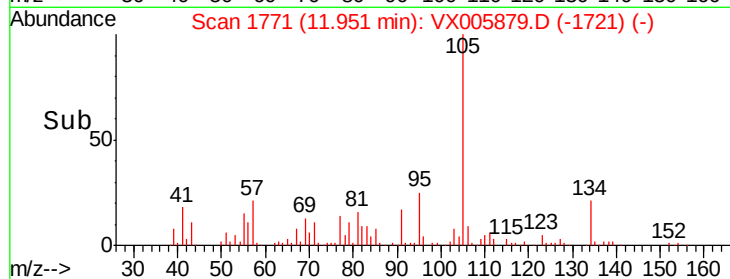
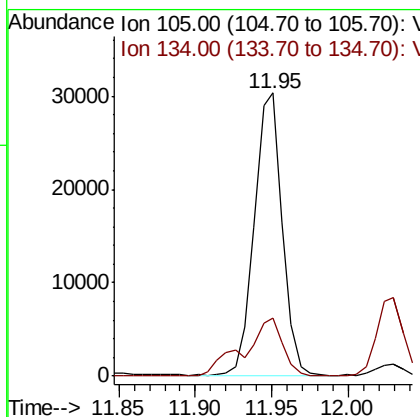
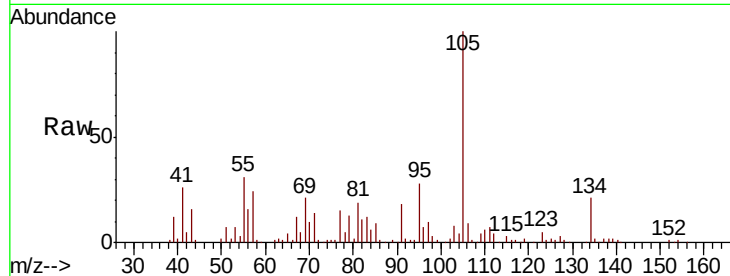
#85
 sec-Butylbenzene
 Concen: 8.495 ug/l
 RT: 11.95 min Scan# 1771
 Delta R.T. 0.01 min
 Lab File: VX005879.D
 Acq: 09 Nov 2018 23:57

Instrument :
 MSVOA_X
 ClientSampled :
 WALL-B

Tot Ion	Ratio	Lower	Upper
105	100		
134	28.6	10.2	30.4

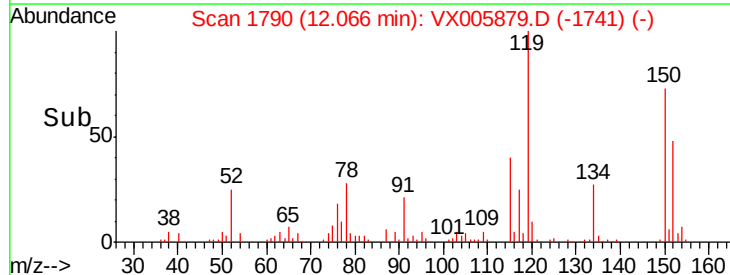
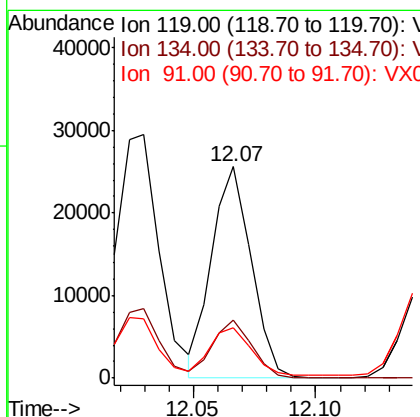
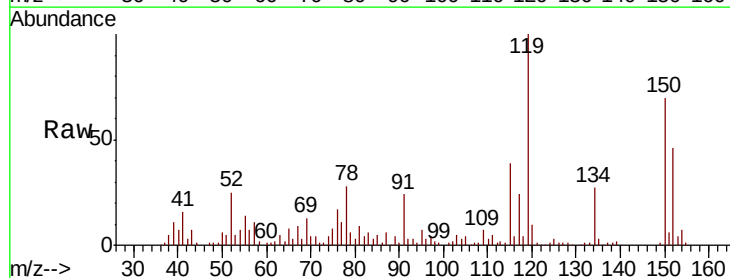
Manual Integrations
 APPROVED

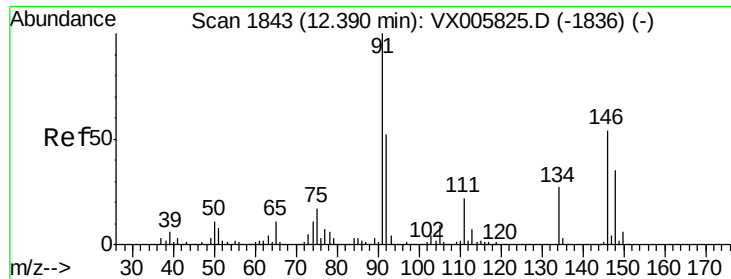
MMDadoda
 11/12/2018 9:12:12 AM



#86
 p-Isopropyltoluene
 Concen: 7.227 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX005879.D
 Acq: 09 Nov 2018 23:57

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.5	13.0	39.0
91	23.2	11.4	34.2





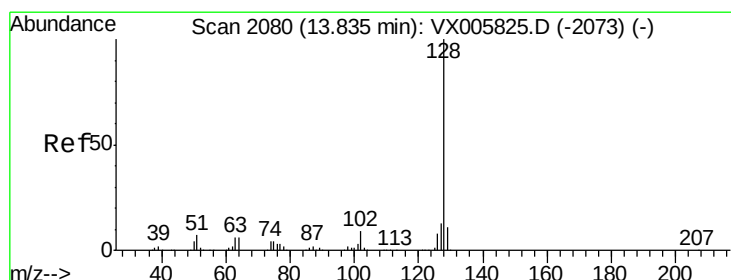
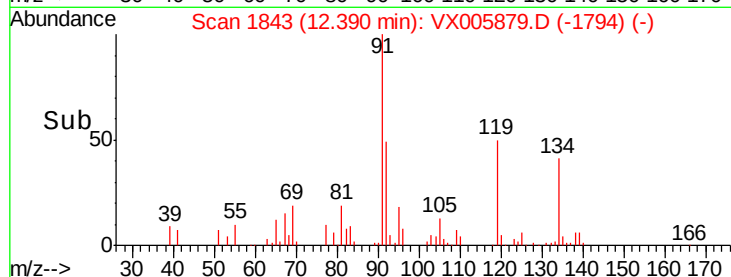
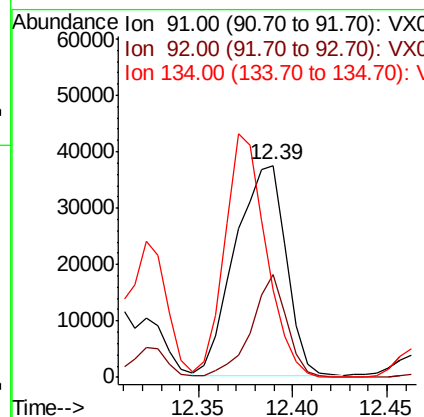
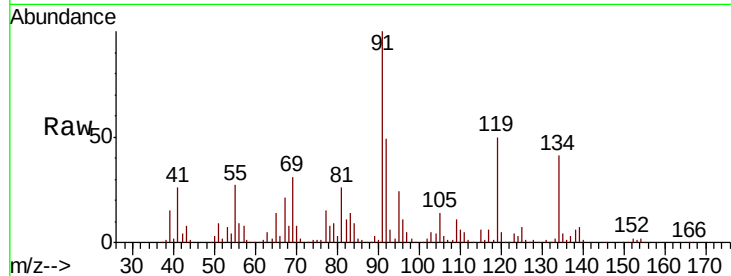
#89
n-Butylbenzene
Concen: 18.786 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005879.D
Acq: 09 Nov 2018 23:57

Instrument :
MSVOA_X
ClientSampled :
WALL-B

Tot Ion	Ratio	Lower	Upper
91	100		
92	34.0	26.1	78.2
134	94.8	13.1	39.3

Manual Integrations
APPROVED

MMDadoda
11/12/2018 9:12:12 AM



#95
Naphthalene
Concen: 82.142 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005879.D
Acq: 09 Nov 2018 23:57

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	12.6	8.7	13.1

