

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110518\
 Data File : VF060600.D
 Acq On : 6 Nov 2018 7:40
 Operator : VA/AP
 Sample : J5777-01
 Misc : 5.00/5mL/MSVOA-F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ST-PAULS

Manual Integrations
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 11/6/2018 12:53:58 PM

Quant Time: Nov 06 08:22:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	94661	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.61	114	192713	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.79	117	62565	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	12352	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	78364	81.93	ug/l	0.01
Spiked Amount 50.000			Recovery	=	163.86%	
35) Dibromofluoromethane	4.13	113	26020	17.48	ug/l	0.02
Spiked Amount 50.000			Recovery	=	34.96%	
50) Toluene-d8	7.57	98	90029	20.41	ug/l	0.01
Spiked Amount 50.000			Recovery	=	40.82%	
62) 4-Bromofluorobenzene	11.42	95	22942	11.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	23.78%	
Target Compounds						
					Qvalue	
18) Methyl Acetate	2.35	43	201226	569.779	ug/l	97
20) Methylene Chloride	2.19	84	9279m	9.455	ug/l	
25) 2-Butanone	4.34	43	204808	517.474	ug/l	95
31) Cyclohexane	3.75	56	89064	46.875	ug/l #	81
39) Methylcyclohexane	5.47	83	126926	49.017	ug/l	99
40) Benzene	4.64	78	208122	40.407	ug/l	98
51) 4-Methyl-2-Pentanone	8.27	43	44567	51.438	ug/l #	83
52) Toluene	7.64	92	161063	48.005	ug/l	97
67) Ethyl Benzene	9.91	91	104620	45.060	ug/l	96
68) m/p-Xylenes	10.15	106	157013	179.526	ug/l	95
69) o-Xylene	10.73	106	82439	86.324	ug/l	96
73) Isopropylbenzene	11.13	105	31408	32.604	ug/l	91
78) n-propylbenzene	11.61	91	138286	122.695	ug/l	96
80) 1,3,5-Trimethylbenzene	11.83	105	274122	345.232	ug/l	93
84) 1,2,4-Trimethylbenzene	12.22	105	870203	1119.110	ug/l	96
85) sec-Butylbenzene	12.32	105	141479	126.788	ug/l	97
86) p-Isopropyltoluene	12.46	119	60258m	65.575	ug/l	
95) Naphthalene	14.47	128	208195	395.581	ug/l #	64

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

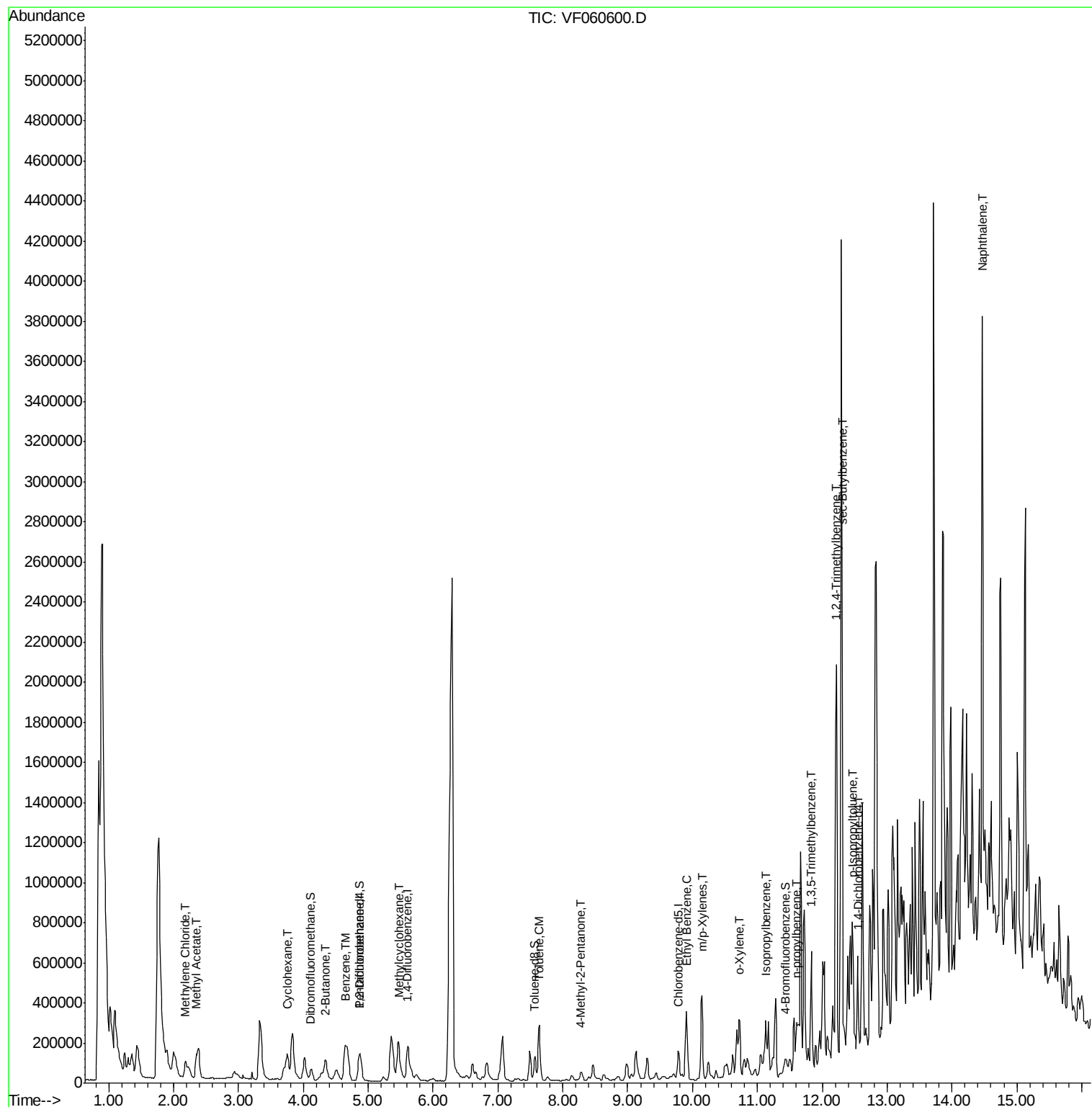
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF110518\
Data File : VF060600.D
Acq On : 6 Nov 2018 7:40
Operator : VA/AP
Sample : J5777-01
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ClientSampleId :
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Quant Time: Nov 06 08:22:18 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 03 05:29:31 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF060600.D

Acq: 6 Nov 2018 7:40

Instrument :

MSVOA_F

ClientSampleId :

ST-PAULS

Tot Ion:168 Resp: 94661

Ion Ratio Lower Upper

168 100

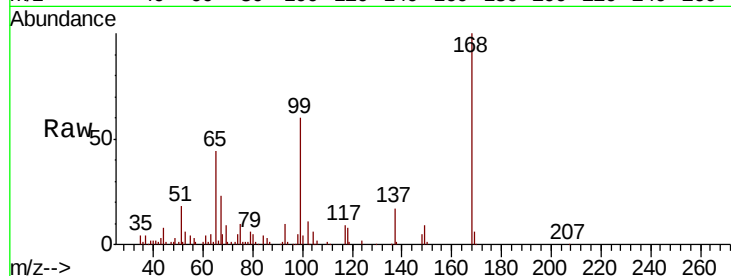
99 59.8 48.6 72.8

Manual Integrations

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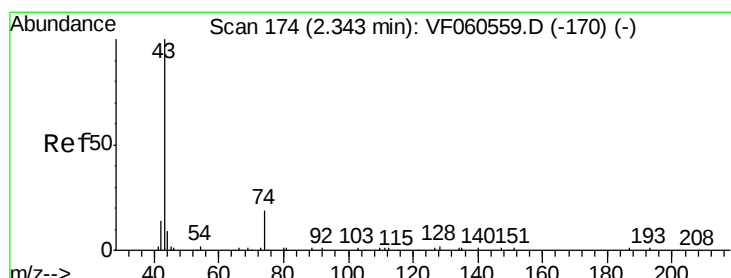
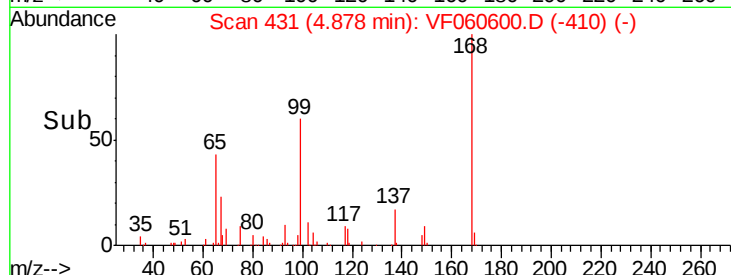
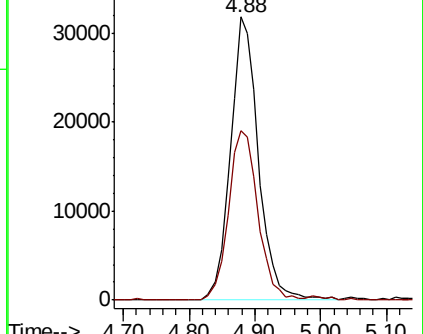
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Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#18

Methyl Acetate

Concen: 569.779 ug/l

RT: 2.35 min Scan# 175

Delta R.T. 0.01 min

Lab File: VF060600.D

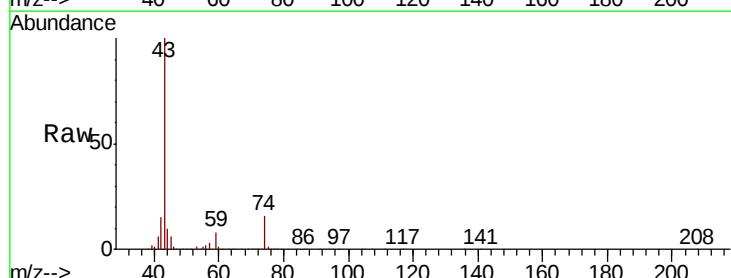
Acq: 6 Nov 2018 7:40

Tgt Ion: 43 Resp: 201226

Ion Ratio Lower Upper

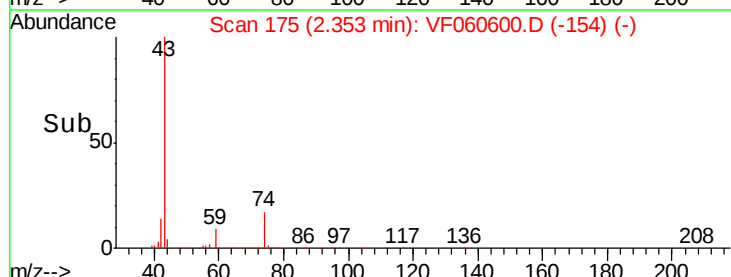
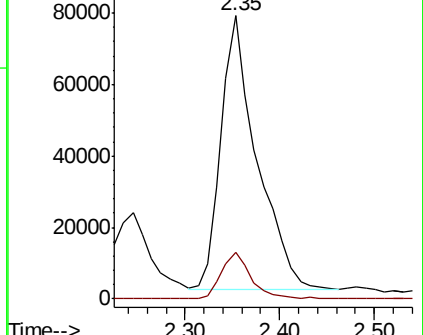
43 100

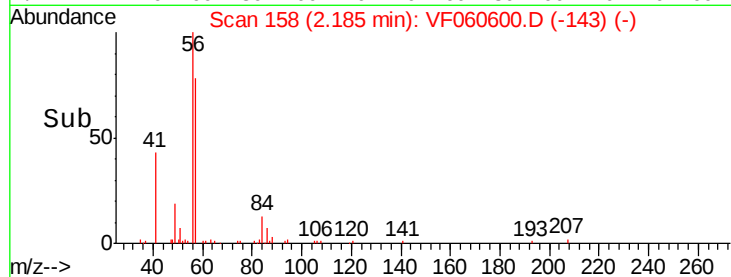
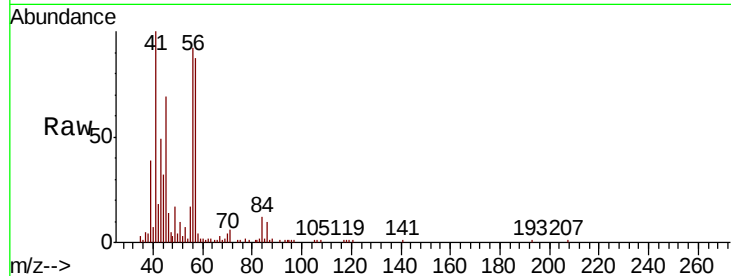
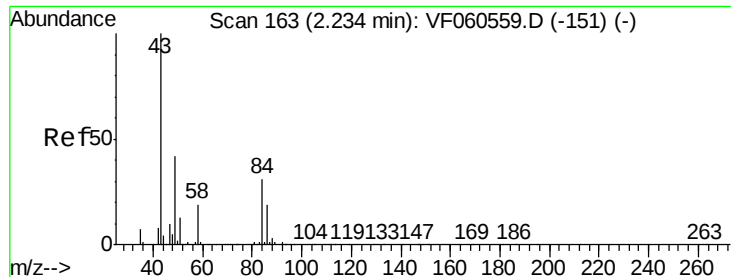
74 16.4 12.1 18.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





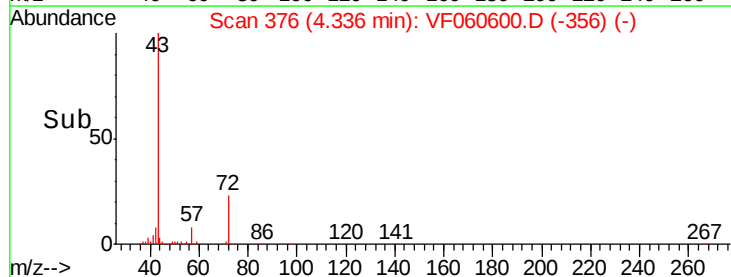
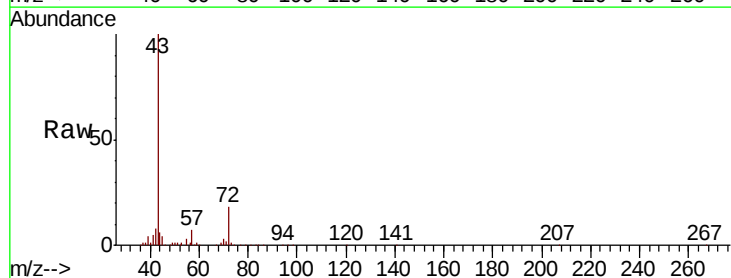
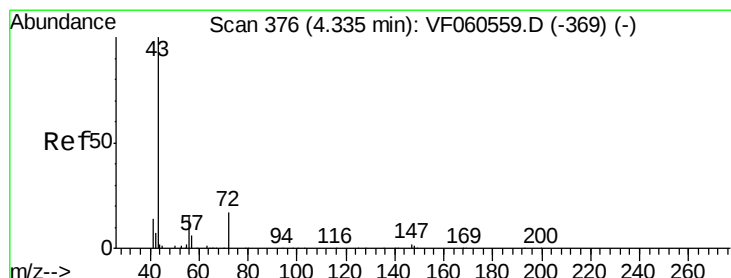
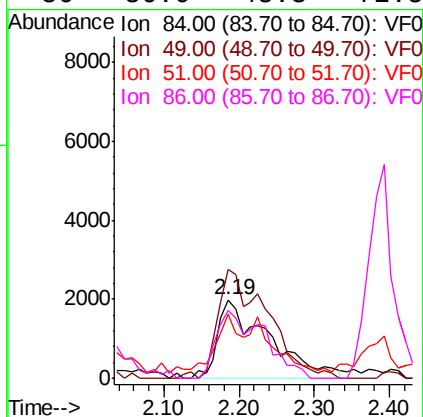
#20
Methvlene Chloride
Concen: 9.455 ug/l m
RT: 2.19 min Scan# 158
Delta R.T. -0.05 min
Lab File: VF060600.D
Acq: 6 Nov 2018 7:40

Tot Ion	Ratio	Lower	Upper
84	100		
49	139.2	109.9	164.9
51	81.5	35.8	53.8
86	86.0	48.3	72.5

Instrument :
MSVOA_F
ClientSampleId :
ST-PAULS

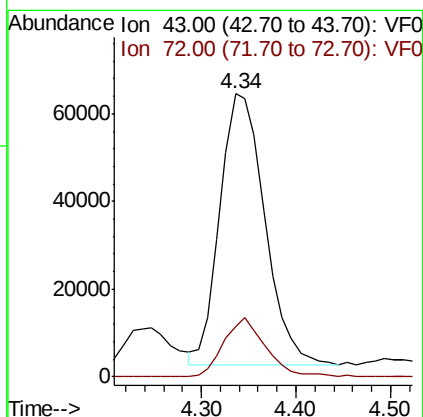
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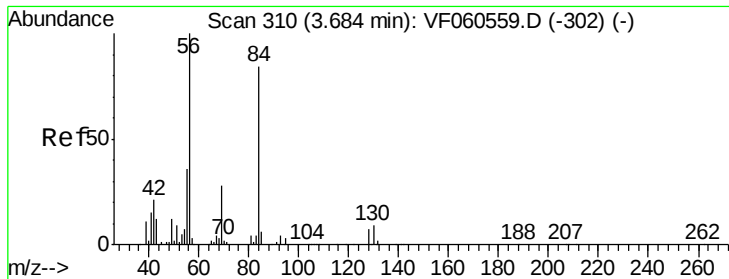
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#25
2-Butanone
Concen: 517.474 ug/l
RT: 4.34 min Scan# 376
Delta R.T. 0.00 min
Lab File: VF060600.D
Acq: 6 Nov 2018 7:40

Tgt Ion	Ratio	Lower	Upper
43	100		
72	17.8	16.2	24.2





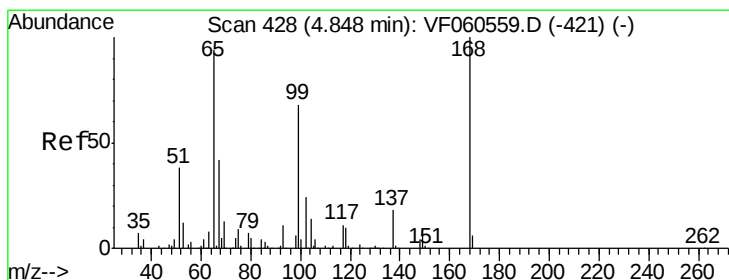
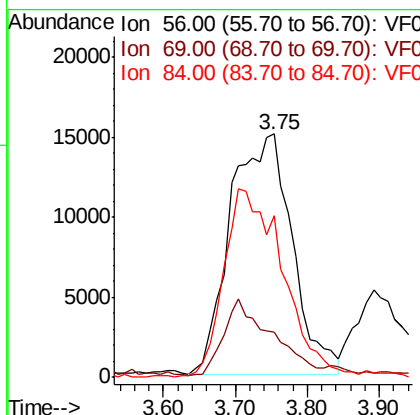
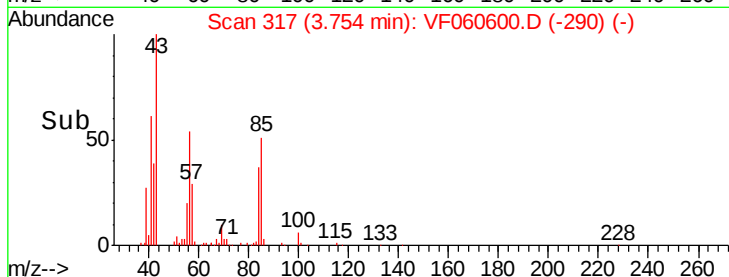
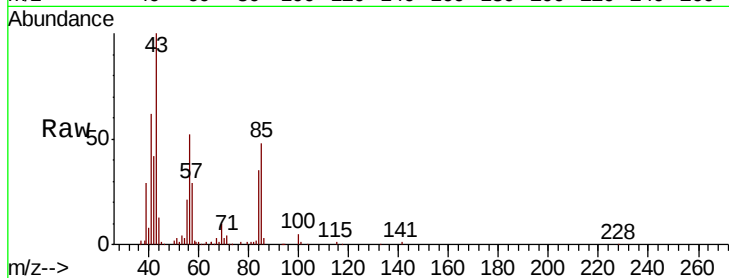
#31
Cvclohexane
Concen: 46.875 ug/l
RT: 3.75 min Scan# 317
Delta R.T. 0.07 min
Lab File: VF060600.D
Acq: 6 Nov 2018 7:40

Instrument :
MSVOA_F
ClientSampleId :
ST-PAULS

Tot Ion	Ratio	Lower	Upper
56	100		
69	18.6	23.0	34.4#
84	66.3	67.1	100.7#

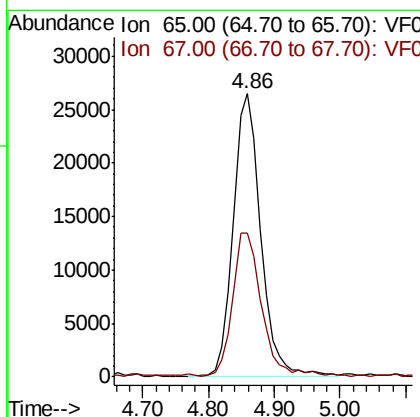
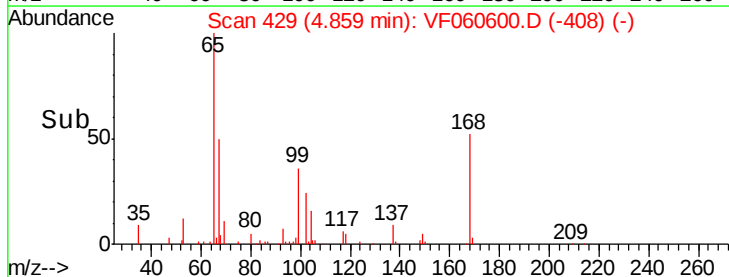
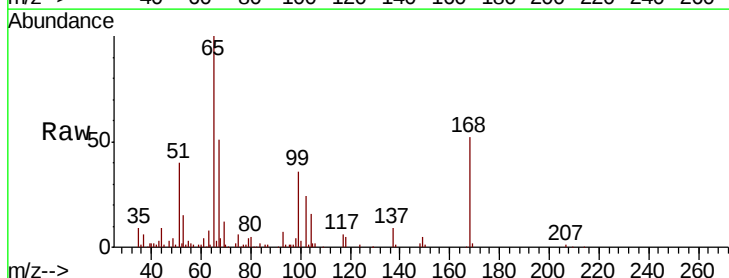
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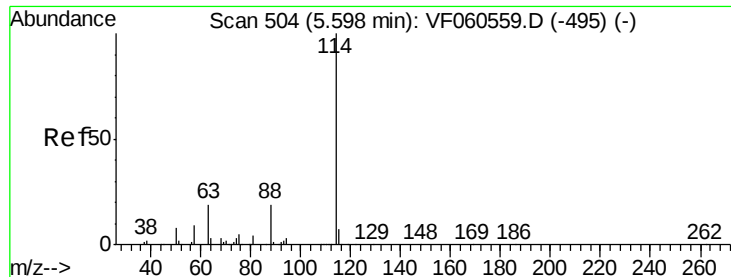
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#33
1,2-Dichloroethane-d4
Concen: 81.934 ug/l
RT: 4.86 min Scan# 429
Delta R.T. 0.01 min
Lab File: VF060600.D
Acq: 6 Nov 2018 7:40

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.01 min

Lab File: VF060600.D

Acq: 6 Nov 2018 7:40

Instrument :

MSVOA_F

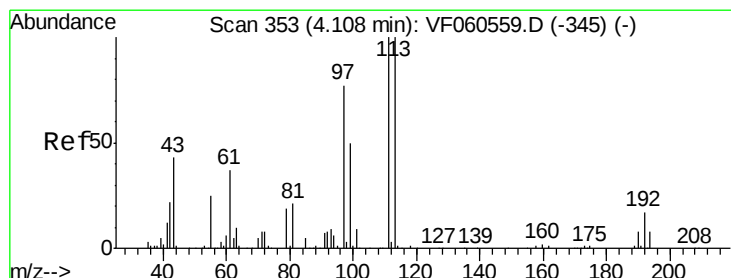
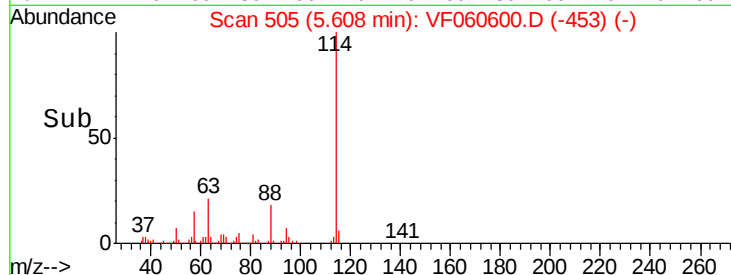
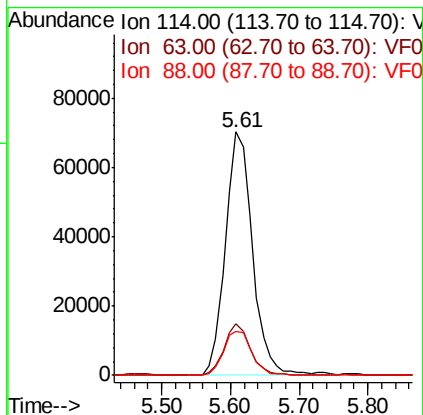
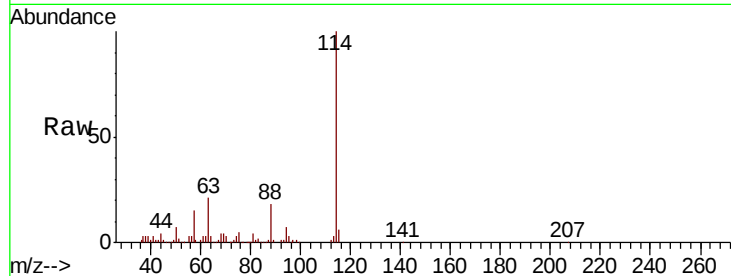
ClientSampleId :

ST-PAULS

Tot Ion:	114	Resp:	192713
Ion Ratio	Lower	Upper	
114	100		
63	21.2	0.0	39.0
88	18.3	0.0	38.2

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#35

Dibromofluoromethane

Concen: 17.476 ug/l

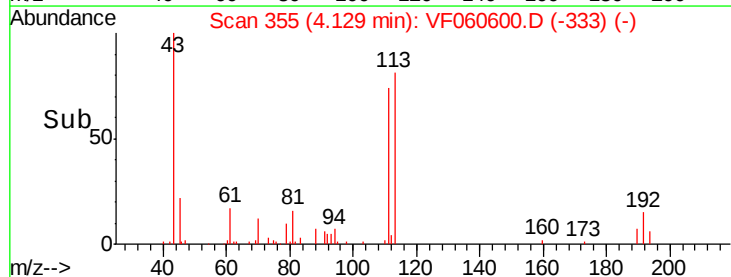
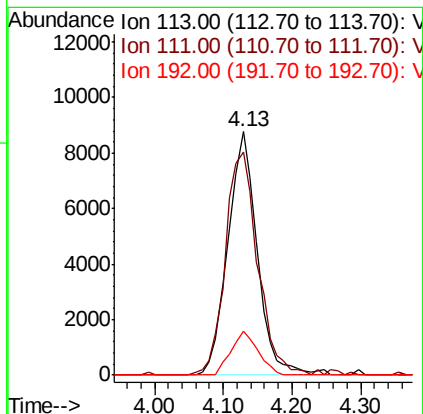
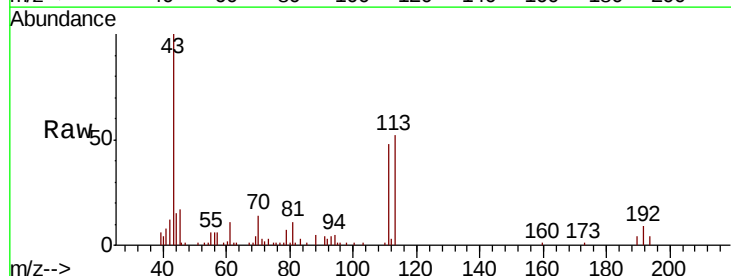
RT: 4.13 min Scan# 355

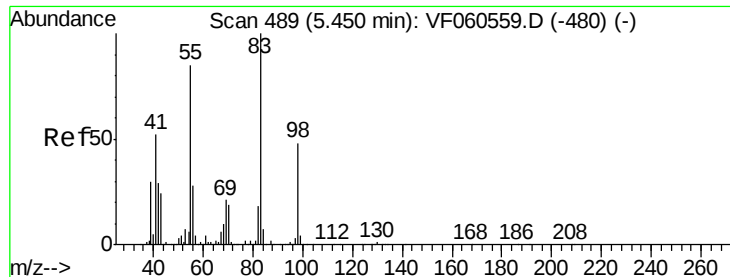
Delta R.T. 0.02 min

Lab File: VF060600.D

Acq: 6 Nov 2018 7:40

Tgt Ion:	113	Resp:	26020
Ion Ratio	Lower	Upper	
113	100		
111	91.6	79.9	119.9
192	18.0	13.3	19.9





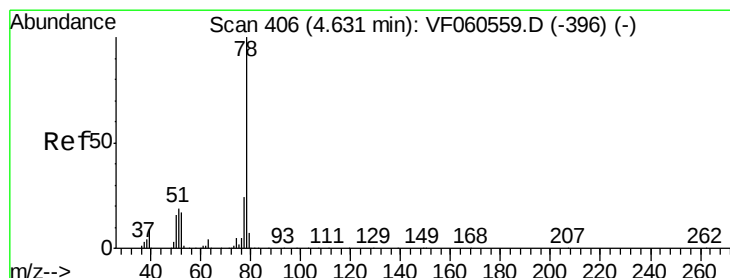
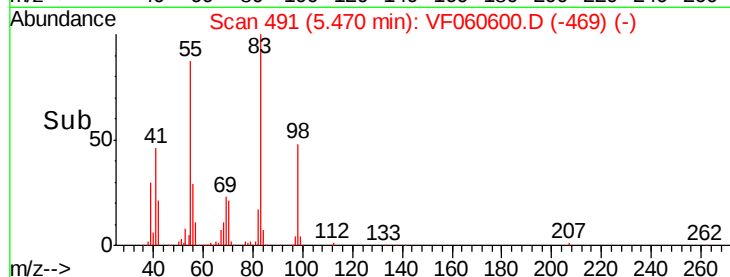
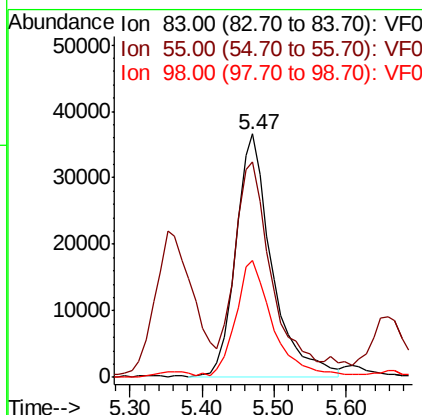
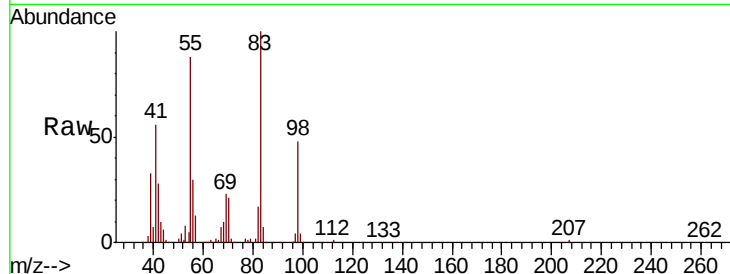
#39
Methvlcvclohexane
Concen: 49.017 ug/l
RT: 5.47 min Scan# 491
Delta R.T. 0.02 min
Lab File: VF060600.D
Acq: 6 Nov 2018 7:40

Instrument :
MSVOA_F
ClientSampleId :
ST-PAULS

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.3	69.1	103.7
98	48.2	38.6	57.8

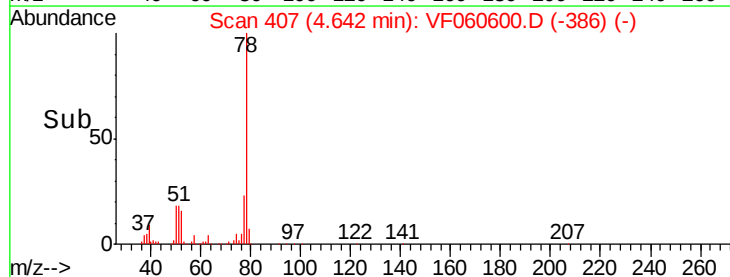
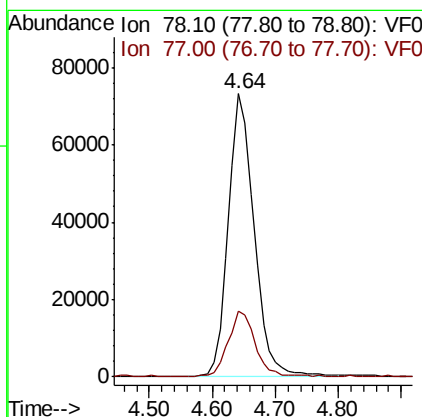
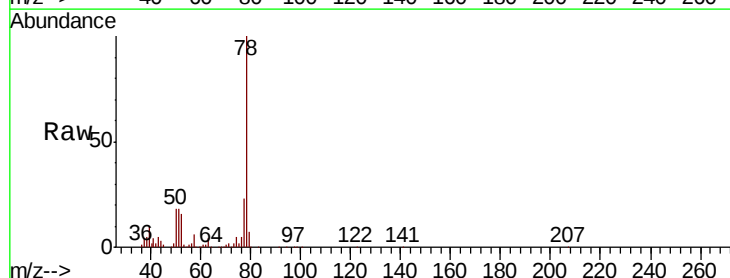
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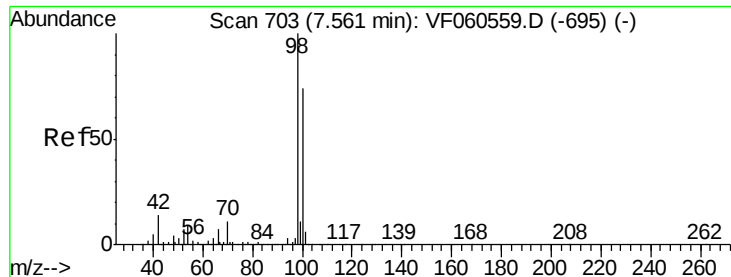
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#40
Benzene
Concen: 40.407 ug/l
RT: 4.64 min Scan# 407
Delta R.T. 0.01 min
Lab File: VF060600.D
Acq: 6 Nov 2018 7:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.3	28.9





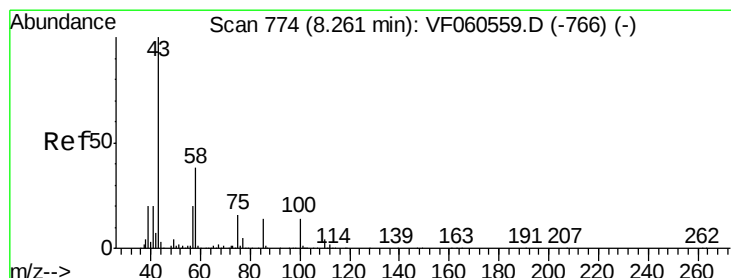
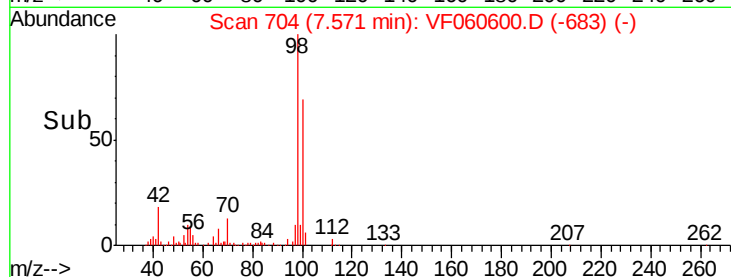
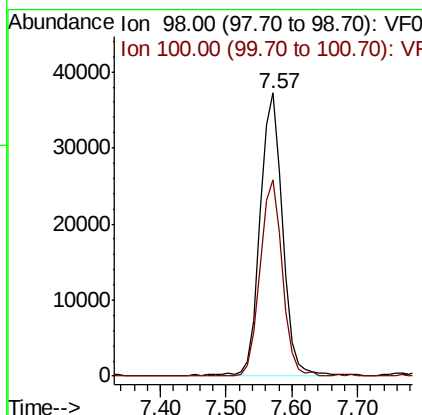
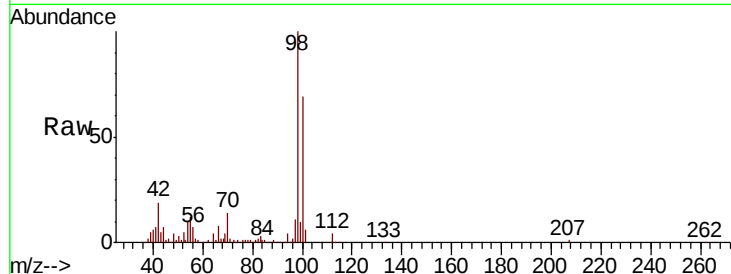
#50
Toluene-d8
Concen: 20.412 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.01 min
Lab File: VF060600.D
Acq: 6 Nov 2018 7:40

Instrument :
MSVOA_F
ClientSampleId :
ST-PAULS

Tot Ion: 98 Resp: 90029
Ion Ratio Lower Upper
98 100
100 69.5 59.4 89.2

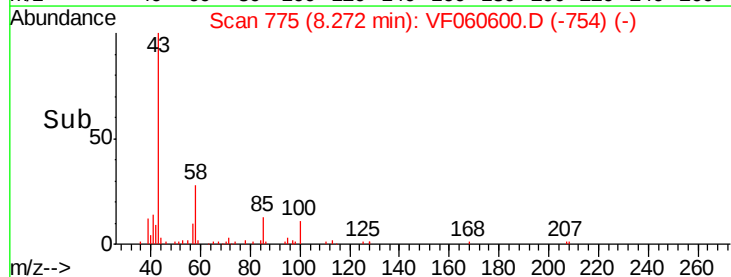
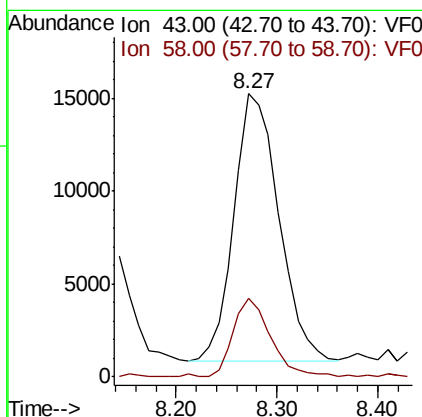
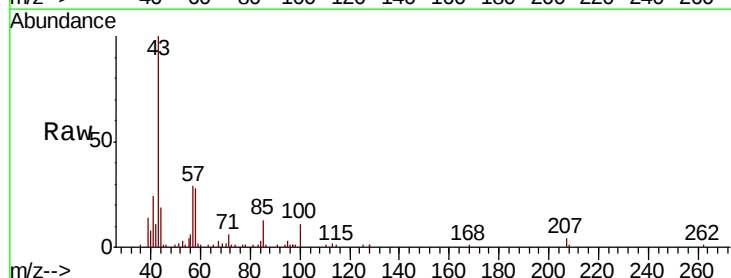
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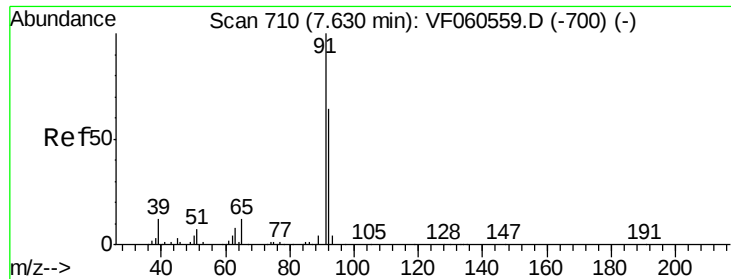
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11/6/2018 12:53:58 PM



#51
4-Methyl-2-Pentanone
Concen: 51.438 ug/l
RT: 8.27 min Scan# 775
Delta R.T. 0.01 min
Lab File: VF060600.D
Acq: 6 Nov 2018 7:40

Tgt Ion: 43 Resp: 44567
Ion Ratio Lower Upper
43 100
58 27.5 30.1 45.1#





#52

Toluene

Concen: 48.005 ug/l

RT: 7.64 min Scan# 711

Delta R.T. 0.01 min

Lab File: VF060600.D

Acq: 6 Nov 2018 7:40

Instrument :

MSVOA_F

ClientSampleId :

ST-PAULS

Tot Ion: 92 Resp: 161063

Ion Ratio Lower Upper

92 100

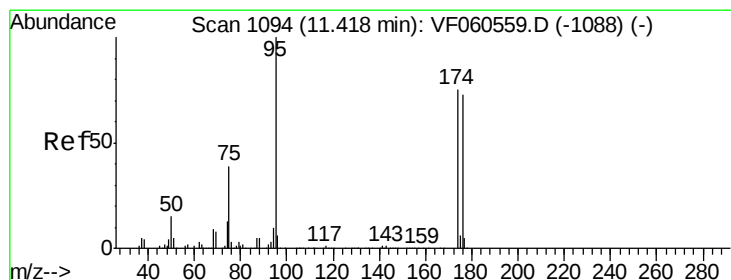
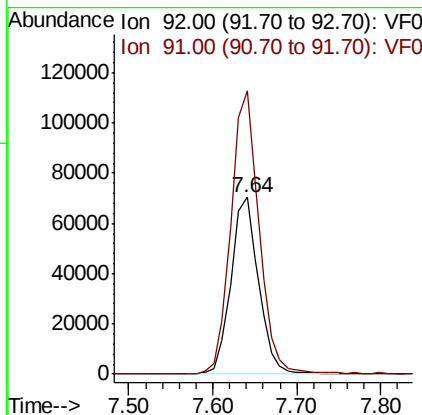
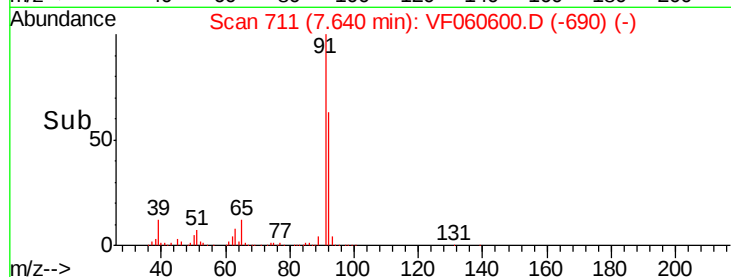
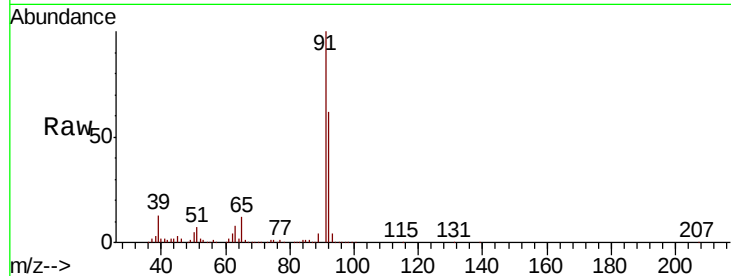
91 160.1 124.5 186.7

Manual Integrations

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11/6/2018 12:53:58 PM



#62

4-Bromofluorobenzene

Concen: 11.892 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060600.D

Acq: 6 Nov 2018 7:40

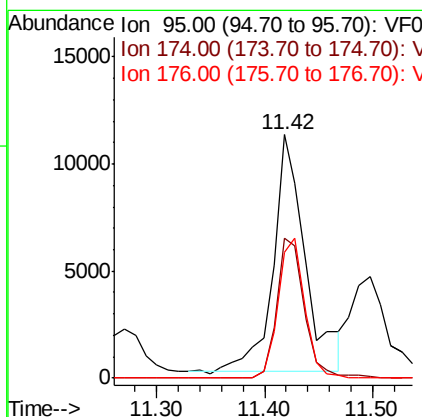
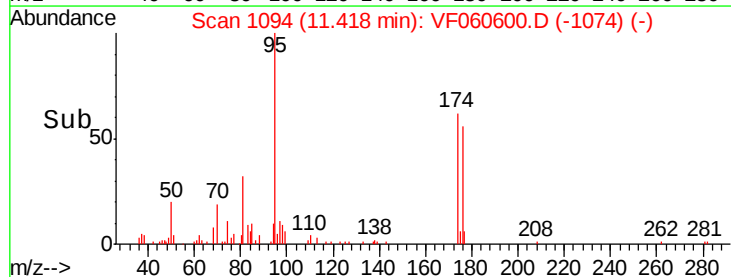
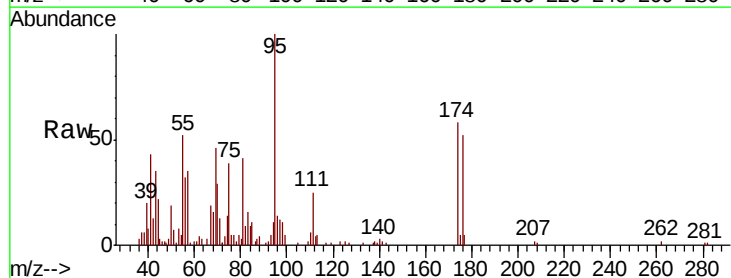
Tgt Ion: 95 Resp: 22942

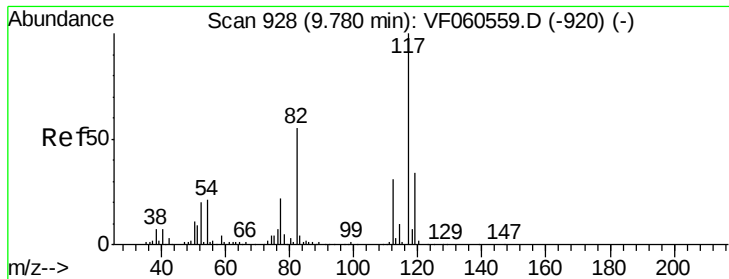
Ion Ratio Lower Upper

95 100

174 57.5 0.0 149.0

176 51.6 0.0 145.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.79 min Scan# 929

Delta R.T. 0.01 min

Lab File: VF060600.D

Acq: 6 Nov 2018 7:40

Instrument :

MSVOA_F

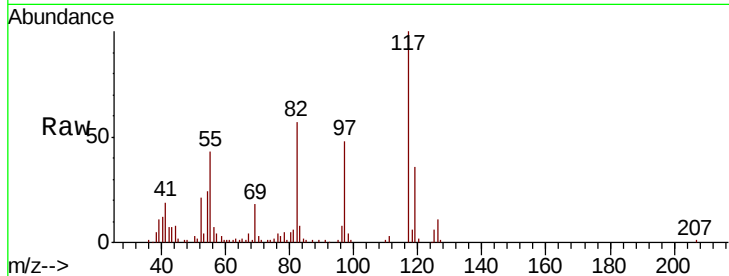
ClientSampleId :

ST-PAULS

Tot Ion:	117	Resp:	62565
Ion Ratio	Lower	Upper	
117	100		
82	57.1	43.9	65.9
119	35.9	27.4	41.0

Manual Integrations
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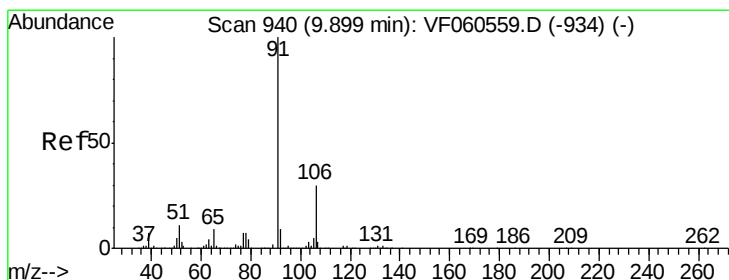
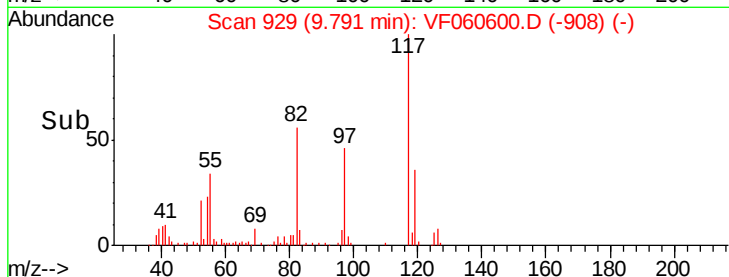
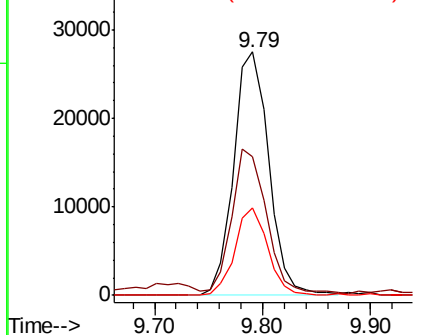
MMDadoda
11/6/2018 12:53:58 PM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#67

Ethyl Benzene

Concen: 45.060 ug/l

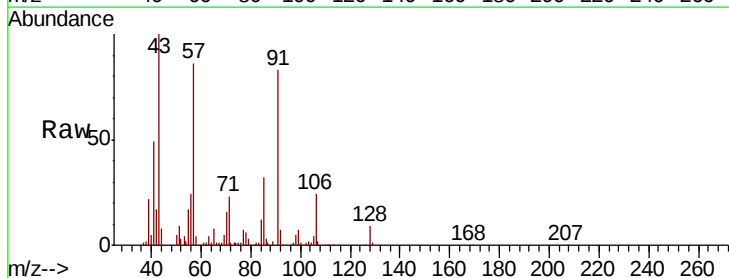
RT: 9.91 min Scan# 941

Delta R.T. 0.01 min

Lab File: VF060600.D

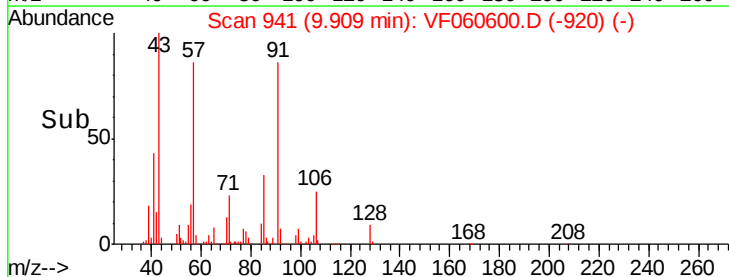
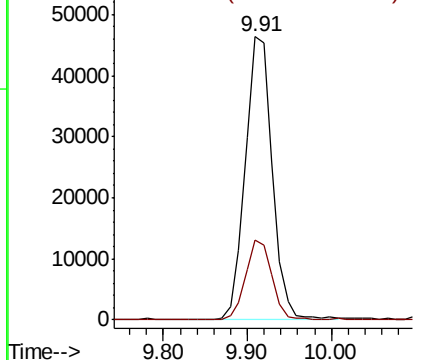
Acq: 6 Nov 2018 7:40

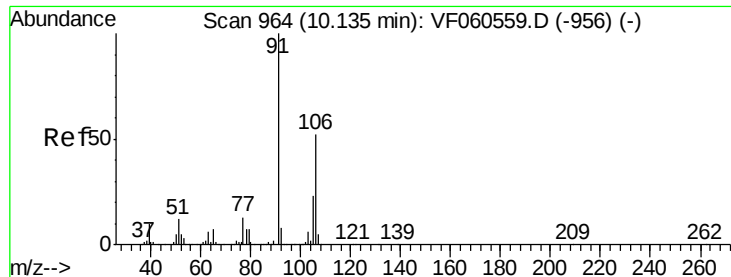
Tgt Ion:	91	Resp:	104620
Ion Ratio	Lower	Upper	
91	100		
106	28.3	24.2	36.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V





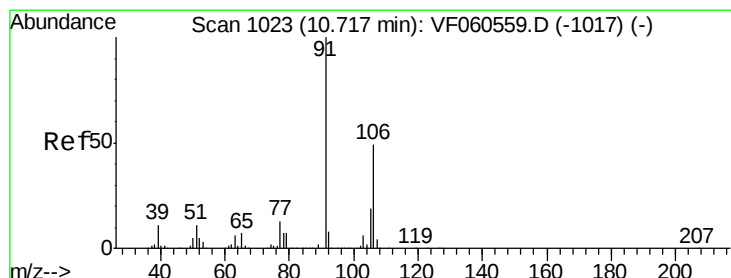
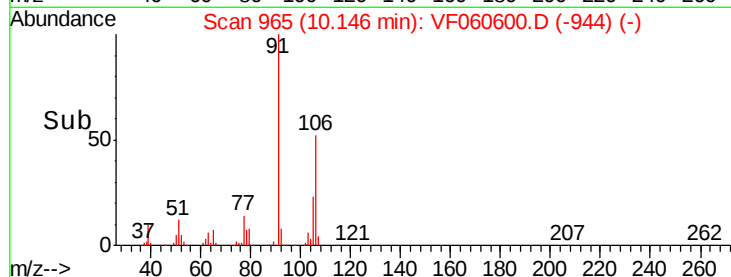
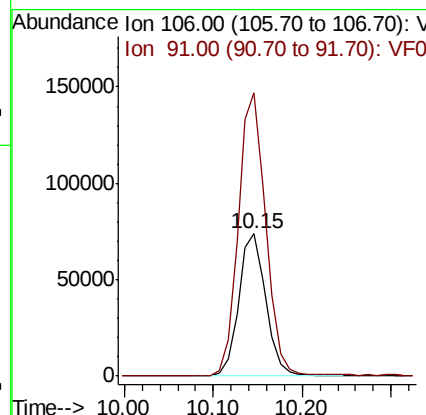
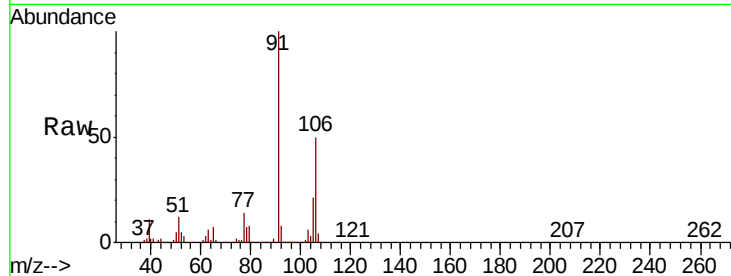
#68
m/p-Xylenes
Concen: 179.526 ug/l
RT: 10.15 min Scan# 965
Delta R.T. 0.01 min
Lab File: VF060600.D
Acq: 6 Nov 2018 7:40

Instrument :
MSVOA_F
ClientSampleId :
ST-PAULS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	199.3	153.9	230.9		

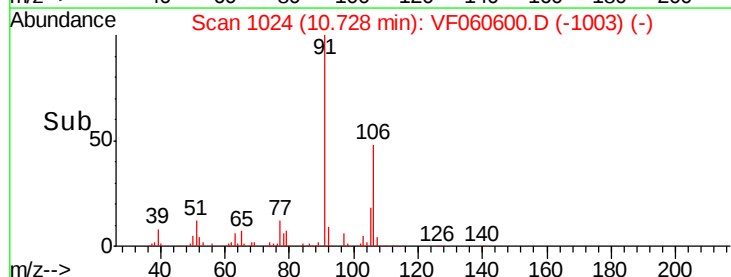
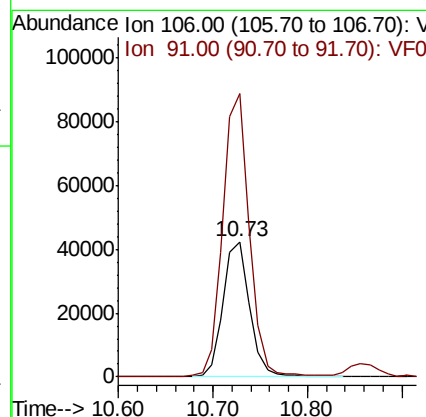
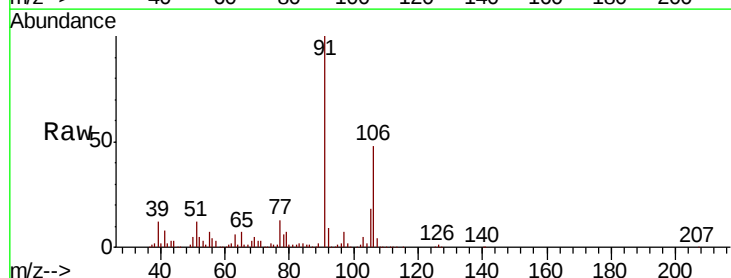
Manual Integrations
APPROVED

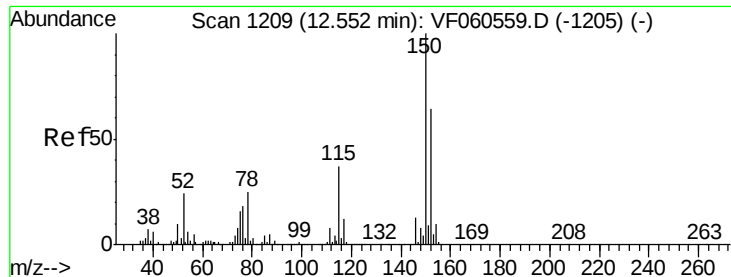
MMDadoda
11/6/2018 12:53:58 PM



#69
o-Xylene
Concen: 86.324 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. 0.01 min
Lab File: VF060600.D
Acq: 6 Nov 2018 7:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	209.7	101.8	305.3		





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. 0.01 min

Lab File: VF060600.D

Acq: 6 Nov 2018 7:40

Instrument :

MSVOA_F

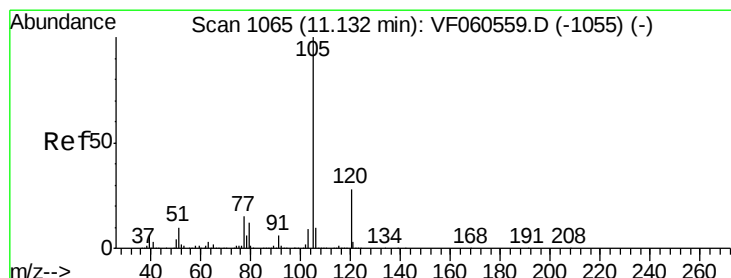
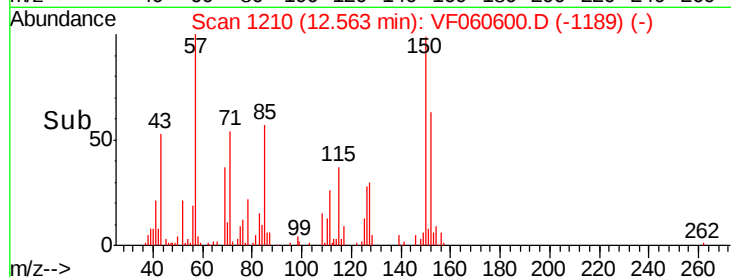
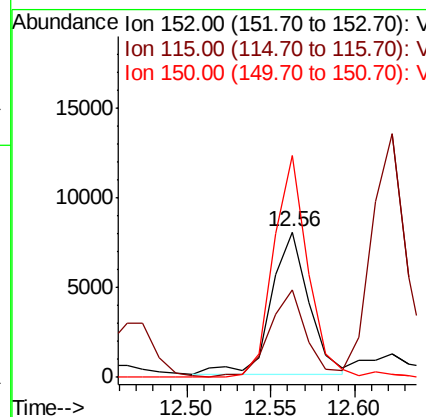
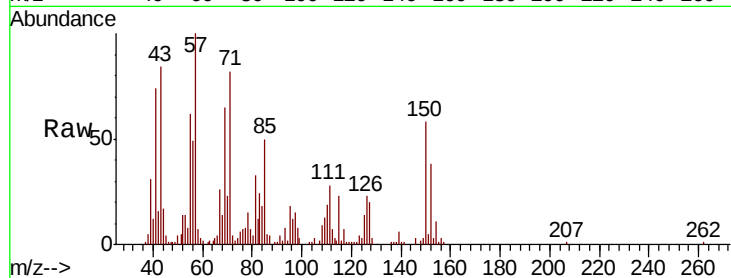
ClientSampleId :

ST-PAULS

Tot Ion	Ratio	Resp	Lower	Upper
152	100	12352		
115	60.4	29.6	88.8	
150	152.9	0.0	315.6	

Manual Integrations
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#73

Isopropylbenzene

Concen: 32.604 ug/l

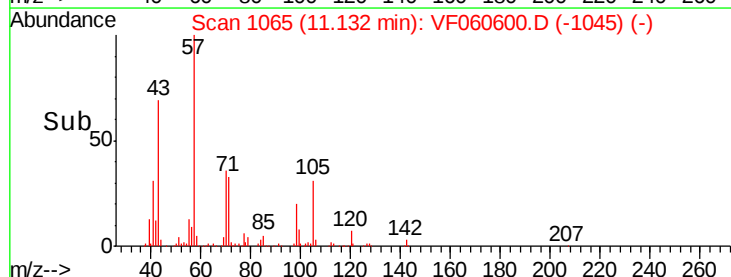
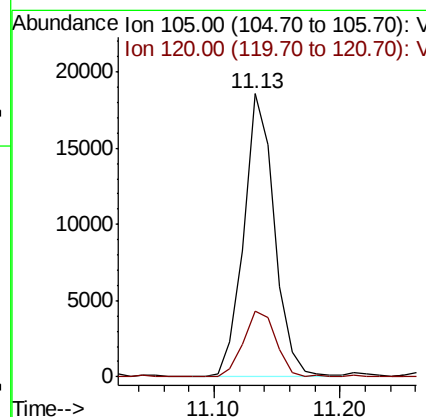
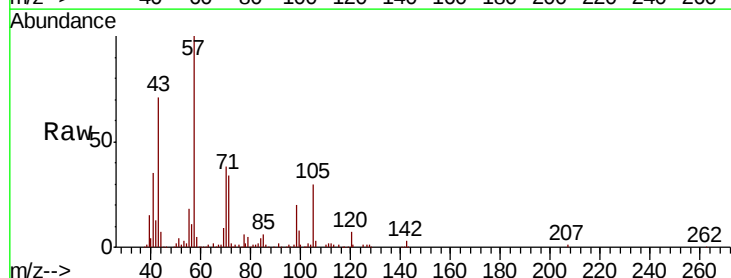
RT: 11.13 min Scan# 1065

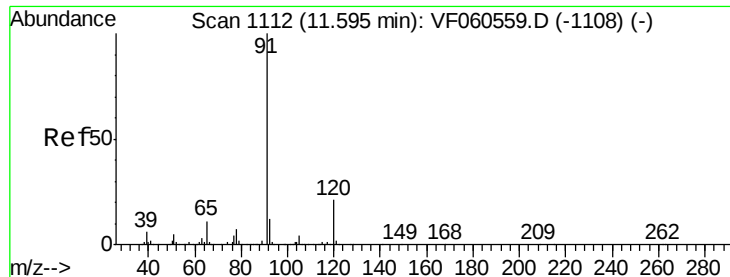
Delta R.T. 0.00 min

Lab File: VF060600.D

Acq: 6 Nov 2018 7:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	31408		
120	23.1	13.9	41.6	





#78

n-propylbenzene

Concen: 122.695 ug/l

RT: 11.61 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF060600.D

Acq: 6 Nov 2018 7:40

Instrument :

MSVOA_F

ClientSampleId :

ST-PAULS

Tot Ion: 91 Resp: 138286

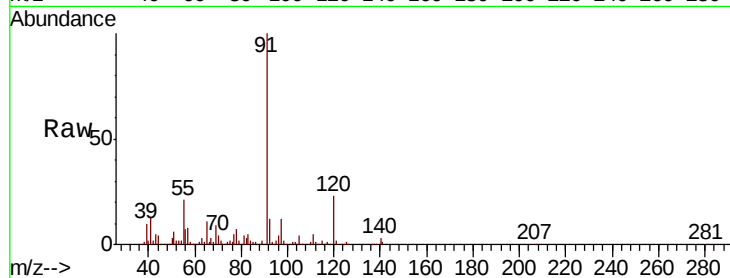
Ion Ratio Lower Upper

91 100

120 23.0 10.5 31.6

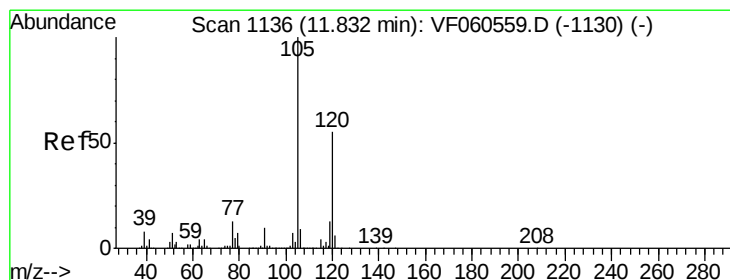
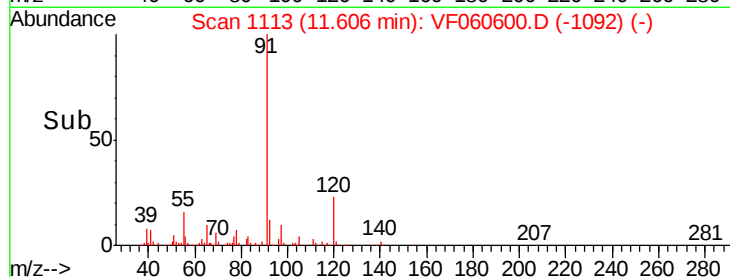
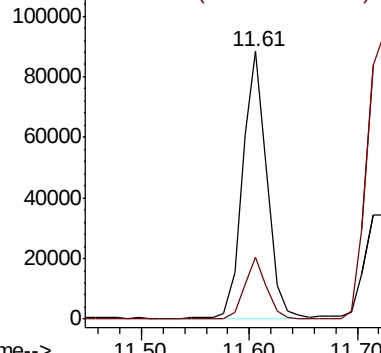
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 345.232 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VF060600.D

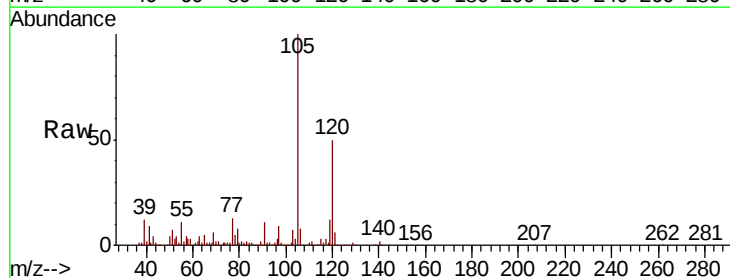
Acq: 6 Nov 2018 7:40

Tgt Ion:105 Resp: 274122

Ion Ratio Lower Upper

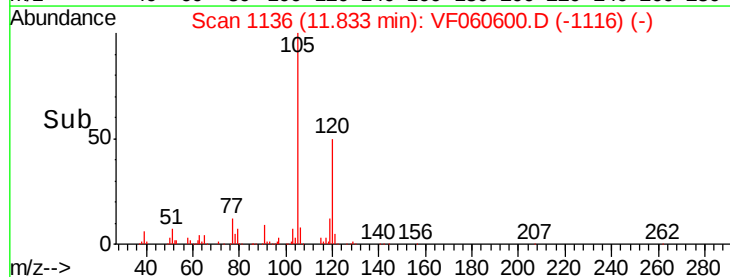
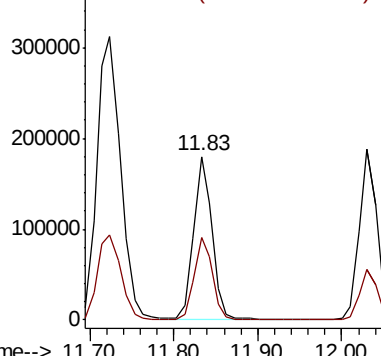
105 100

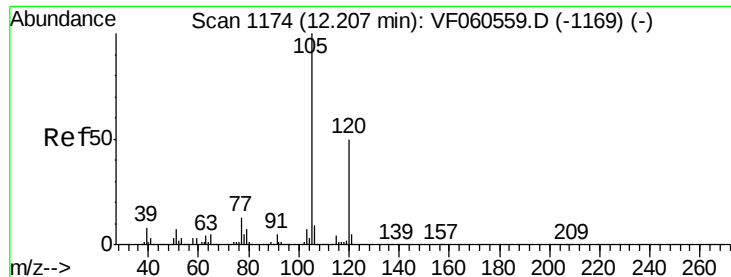
120 50.2 27.6 82.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#84

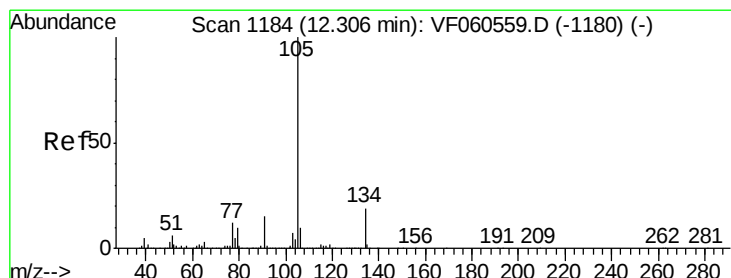
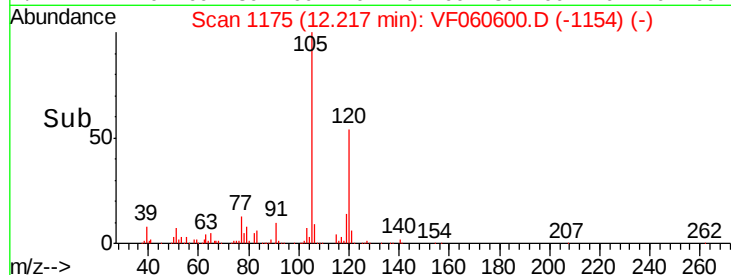
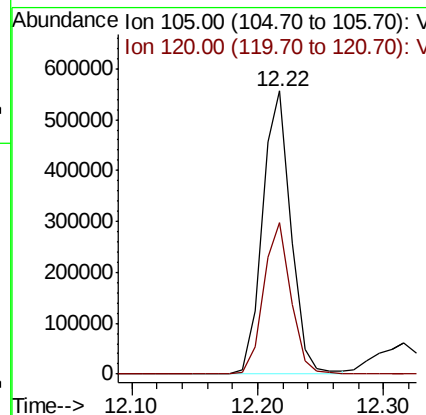
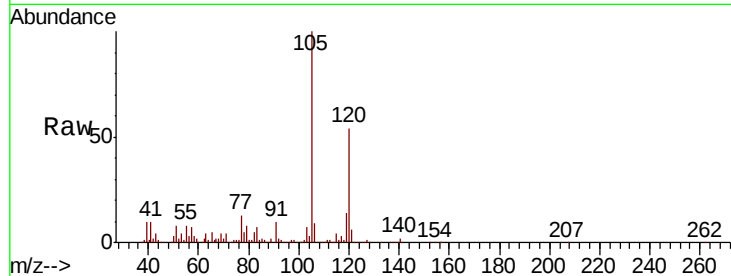
1,2,4-Trimethylbenzene
Concen: 1119.110 ug/l
RT: 12.22 min Scan# 1175
Delta R.T. 0.01 min
Lab File: VF060600.D
Acq: 6 Nov 2018 7:40

Instrument :
MSVOA_F
ClientSampleId :
ST-PAULS

Tot Ion	Ratio	Lower	Upper
105	100		
120	53.7	25.6	76.8

Manual Integrations
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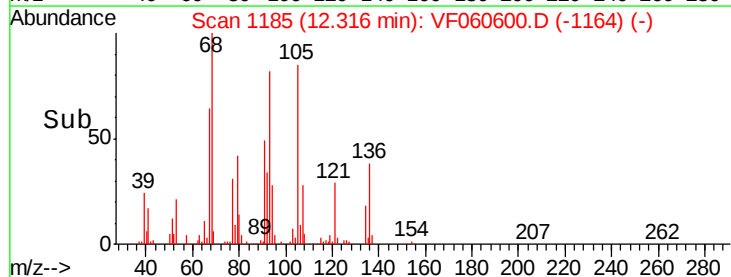
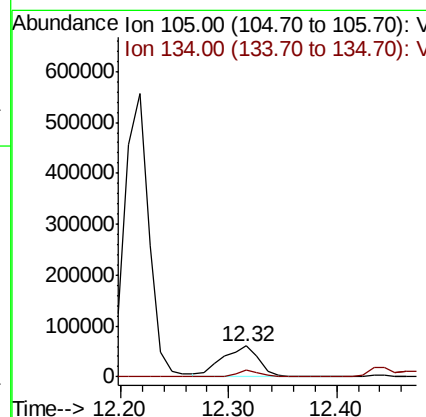
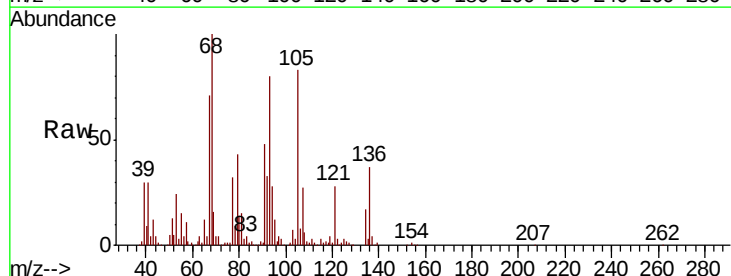
MMDadoda
11/6/2018 12:53:58 PM

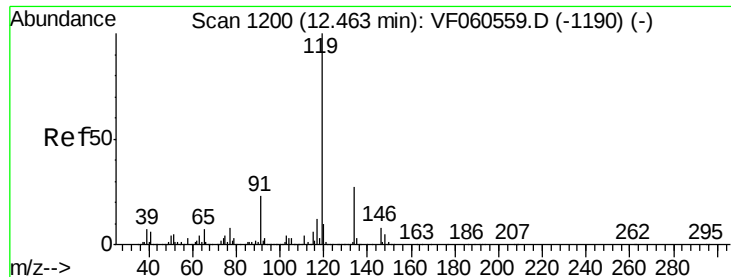


#85

sec-Butylbenzene
Concen: 126.788 ug/l
RT: 12.32 min Scan# 1185
Delta R.T. 0.01 min
Lab File: VF060600.D
Acq: 6 Nov 2018 7:40

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.8	9.7	29.1





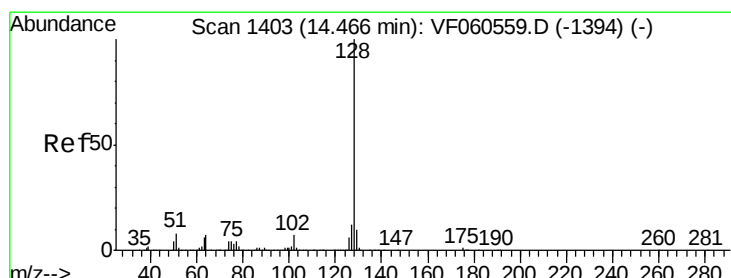
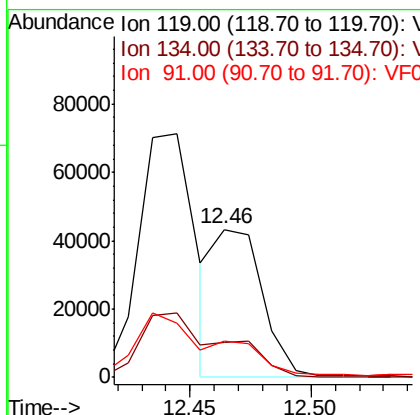
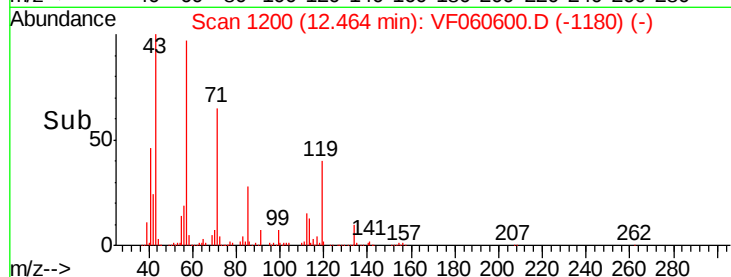
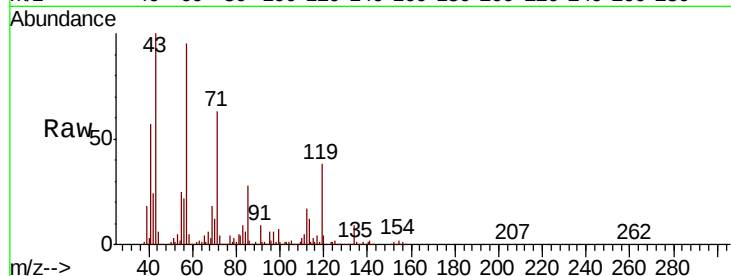
#86
p-Isopropyltoluene
Concen: 65.575 ug/l m
RT: 12.46 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VF060600.D
Acq: 6 Nov 2018 7:40

Instrument :
MSVOA_F
ClientSampled :
ST-PAULS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	60258		
134	23.5		13.6	40.7
91	24.9		11.4	34.2

Manual Integrations
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11/6/2018 12:53:58 PM



#95
Naphthalene
Concen: 395.581 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. 0.00 min
Lab File: VF060600.D
Acq: 6 Nov 2018 7:40

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	208195		
127	27.4		9.4	14.0#
129	22.0		8.4	12.6#

