

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052319\
 Data File : VF062724.D
 Acq On : 23 May 2019 14:01
 Operator : FY/SY
 Sample : K2647-13
 Misc : 6.82g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-03-052219-B

Manual Integrations
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MMDadoda
 5/24/2019 11:16:02 AM

Quant Time: May 24 02:33:16 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	785164	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	1368906	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	945211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	385566	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	292651	52.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.50%	
35) Dibromofluoromethane	4.32	113	533039	50.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.78%	
50) Toluene-d8	7.71	98	1082872	43.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.60%	
62) 4-Bromofluorobenzene	11.49	95	365607	38.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.08%	
Target Compounds						
						Qvalue
20) Methylene Chloride	2.34	84	41608m	5.767	ug/l	
68) m/p-Xylenes	10.25	106	16224	1.338	ug/l	97
69) o-Xylene	10.81	106	13909	1.114	ug/l	74
78) n-propylbenzene	11.67	91	39410	1.205	ug/l	88
80) 1,3,5-Trimethylbenzene	11.90	105	52008	2.347	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	238990	11.144	ug/l	96
89) n-Butylbenzene	12.89	91	76593	3.055	ug/l	80
95) Naphthalene	14.49	128	85508m	5.936	ug/l	

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

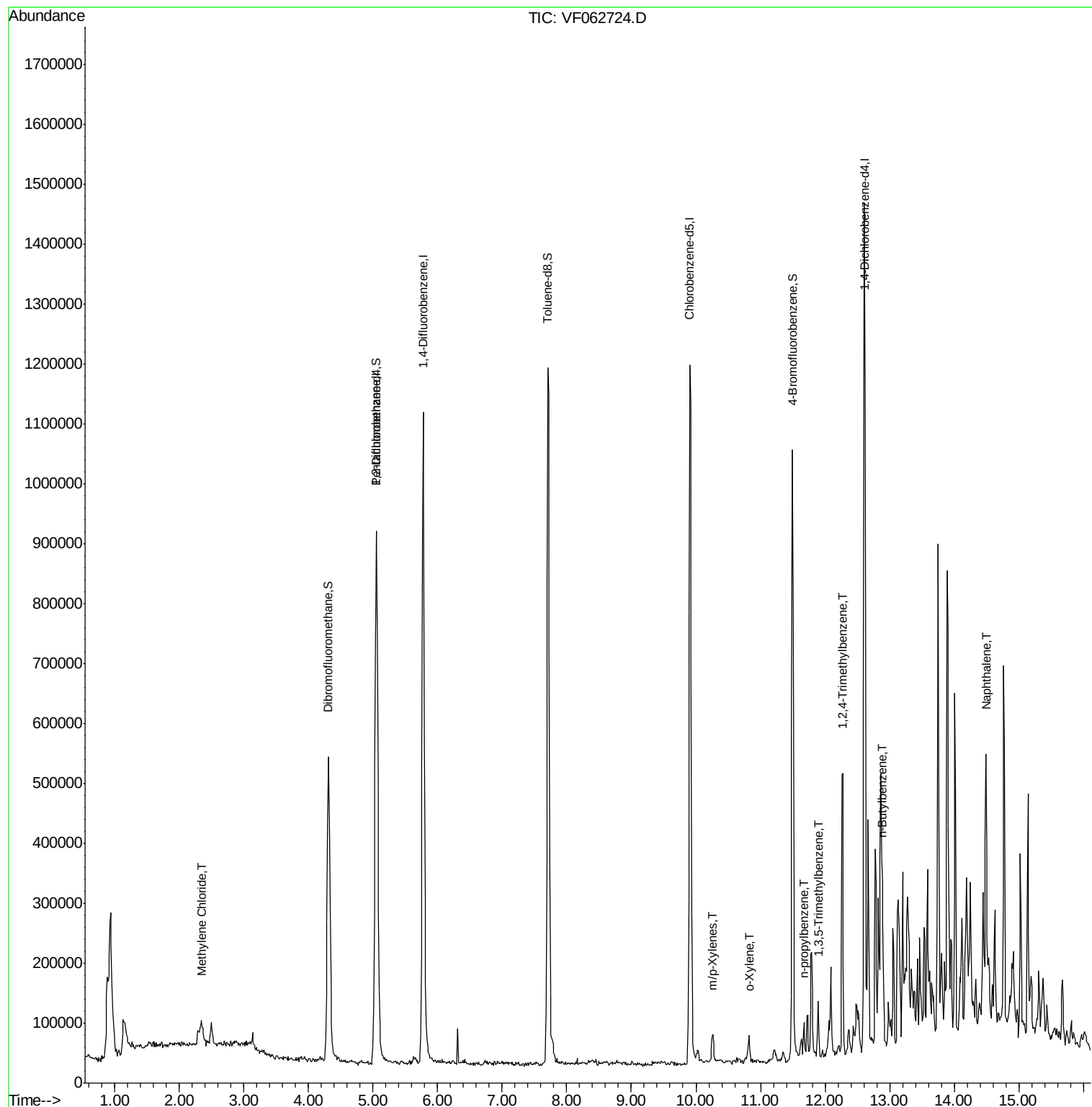
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052319\
Data File : VF062724.D
Acq On : 23 May 2019 14:01
Operator : FY/SY
Sample : K2647-13
Misc : 6.82g/5mL/MSVOA F/SOIL
ALS Vial : 8 Sample Multiplier: 1

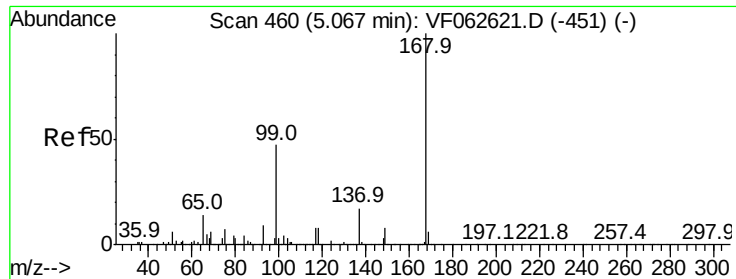
Instrument :
MSVOA_F
ClientSampleId :
SU-03-052219-B

Manual Integrations
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5/24/2019 11:16:02 AM

Quant Time: May 24 02:33:16 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062724.D

Acq: 23 May 2019 14:01

Instrument :

MSVOA_F

ClientSampleId :

SU-03-052219-B

Tot Ion:168 Resp: 785164

Ion Ratio Lower Upper

168 100

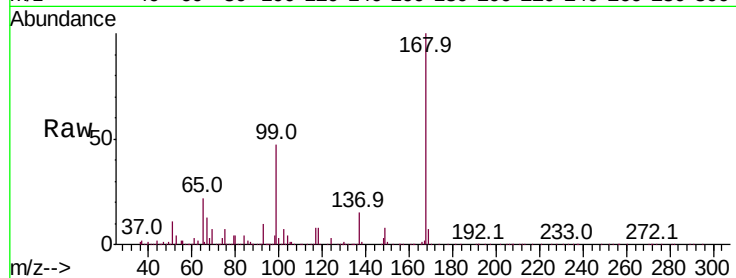
99 47.3 37.8 56.8

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

5.06

250000

200000

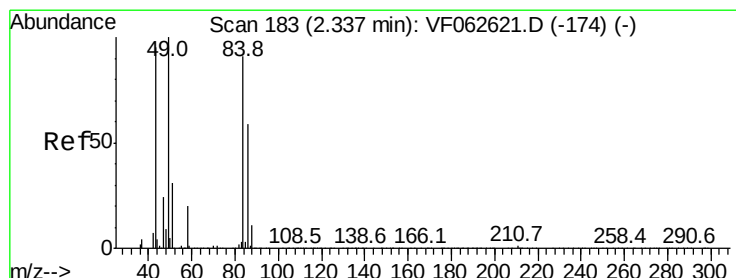
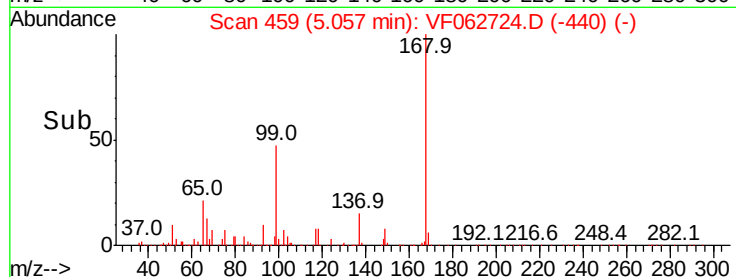
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 5.767 ug/l m

RT: 2.34 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF062724.D

Acq: 23 May 2019 14:01

Tgt Ion: 84 Resp: 41608

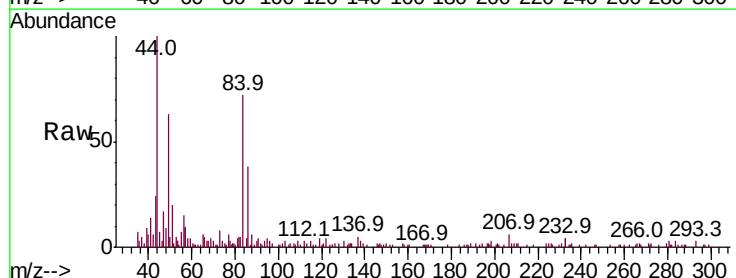
Ion Ratio Lower Upper

84 100

49 86.9 89.8 134.8#

51 27.6 28.4 42.6#

86 52.2 52.6 79.0#



Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

2.34

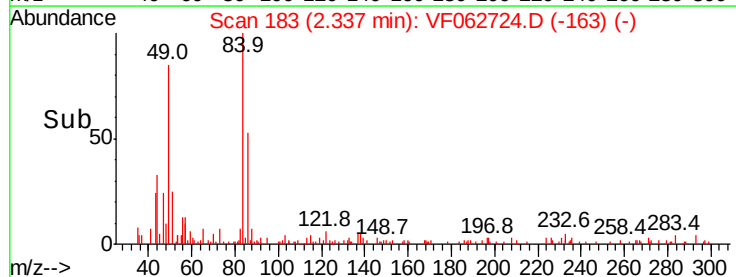
15000

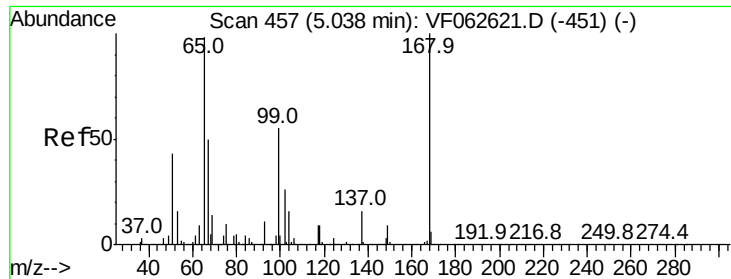
10000

5000

0

Time-->





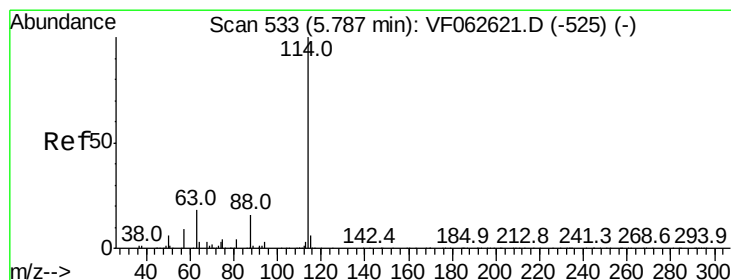
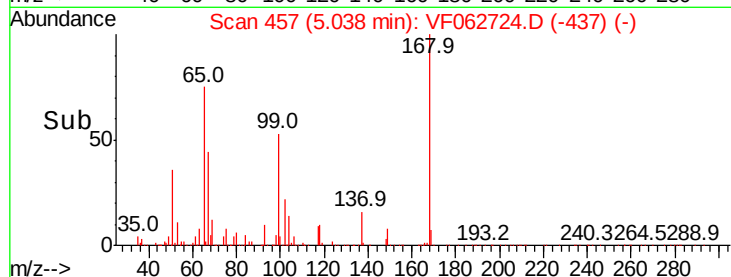
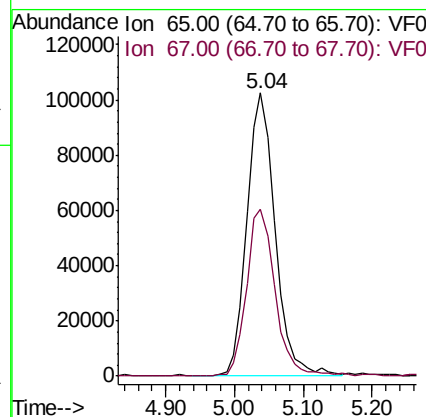
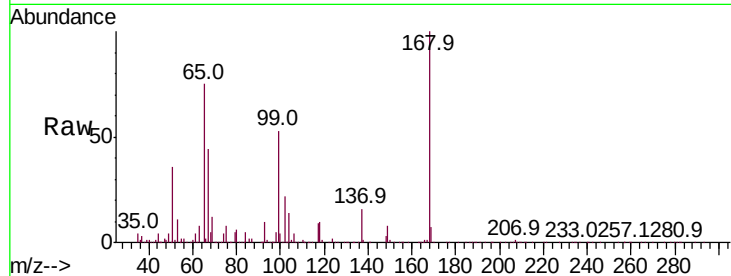
#33
 1,2-Dichloroethane-d4
 Concen: 52.746 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VF062724.D
 Acq: 23 May 2019 14:01

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-03-052219-B

Tot Ion	Ratio	Resp	Lower	Upper
65	100	292651		
67	58.8	0.0	117.6	

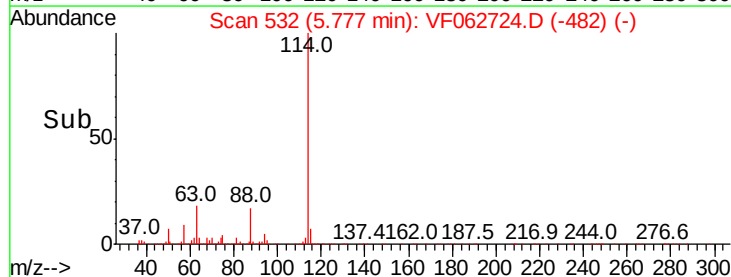
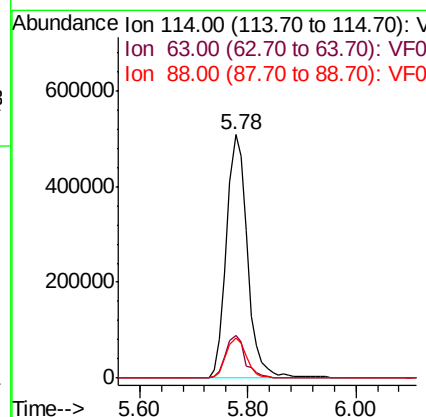
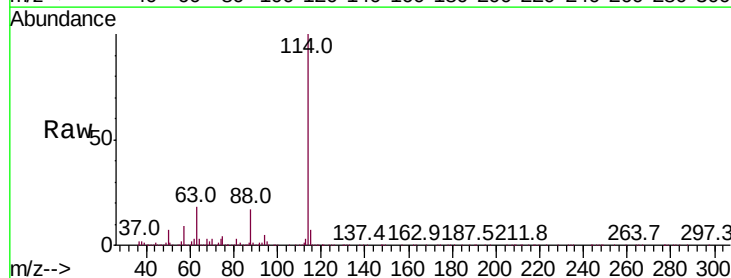
Manual Integrations
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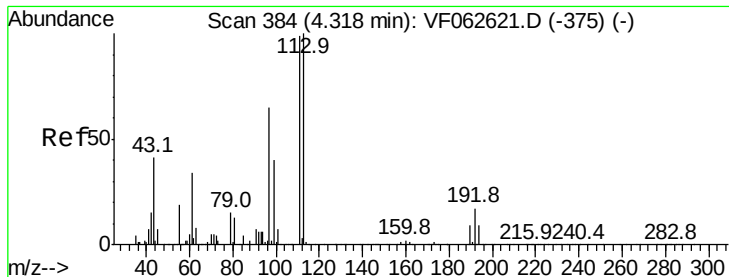
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VF062724.D
 Acq: 23 May 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1368906		
63	17.6	0.0	35.4	
88	16.7	0.0	32.4	





#35

Dibromofluoromethane

Concen: 50.887 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VF062724.D

Acq: 23 May 2019 14:01

Instrument :

MSVOA_F

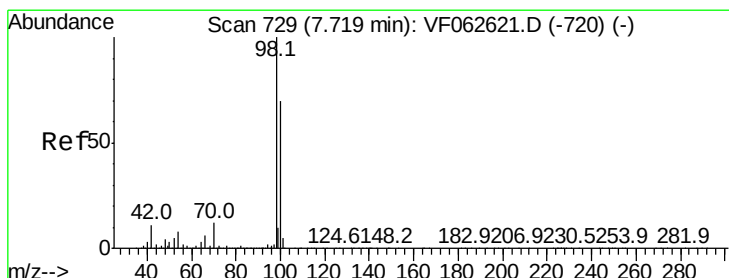
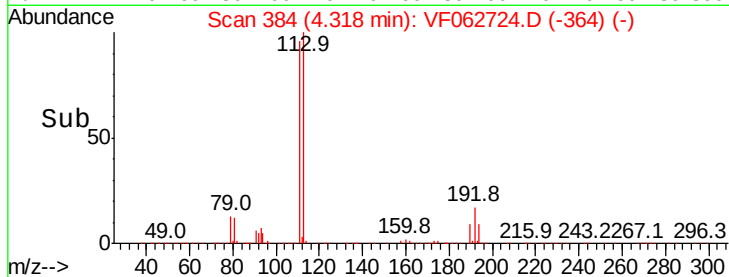
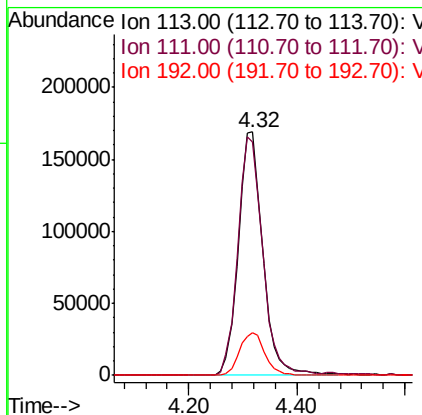
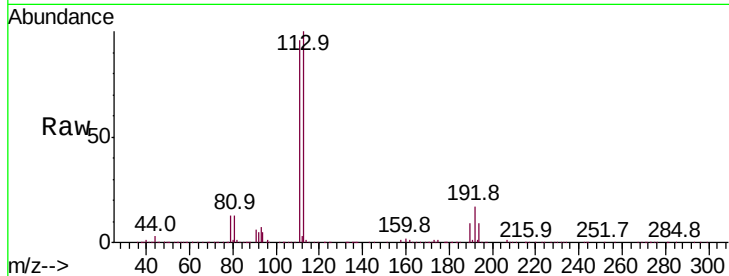
ClientSampleId :

SU-03-052219-B

Tot Ion:	113	Resp:	533039
Ion Ratio	Lower	Upper	
113	100		
111	95.6	79.4	119.2
192	17.4	13.4	20.2

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#50

Toluene-d8

Concen: 43.297 ug/l

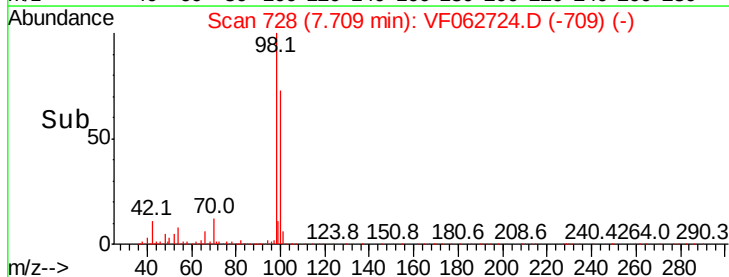
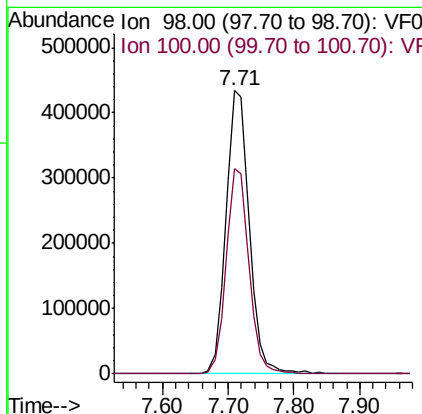
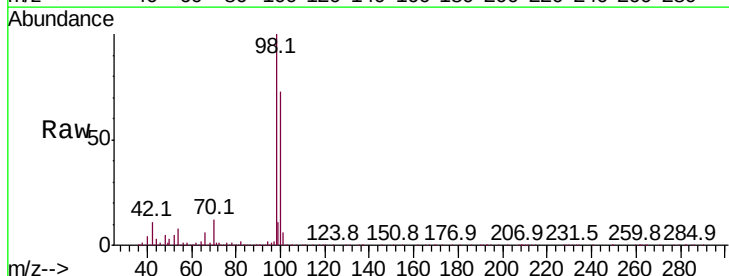
RT: 7.71 min Scan# 728

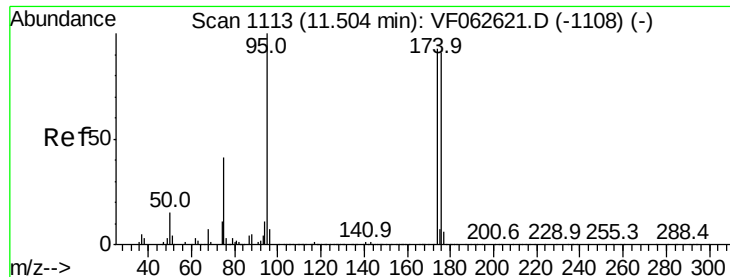
Delta R.T. -0.01 min

Lab File: VF062724.D

Acq: 23 May 2019 14:01

Tgt Ion:	98	Resp:	1082872
Ion Ratio	Lower	Upper	
98	100		
100	72.6	56.2	84.2





#62

4-Bromofluorobenzene

Concen: 38.544 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062724.D

Acq: 23 May 2019 14:01

Instrument :

MSVOA_F

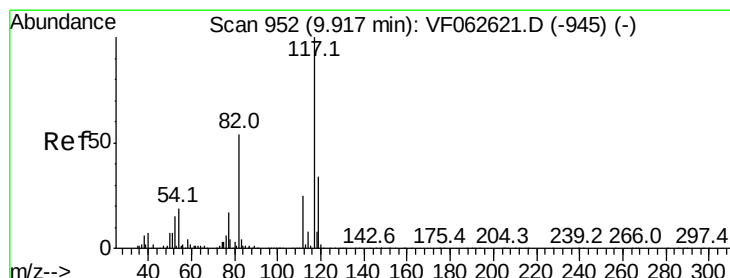
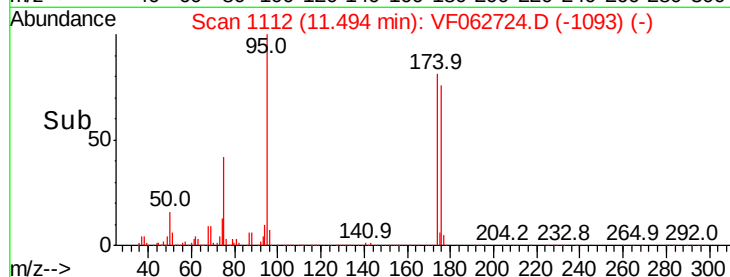
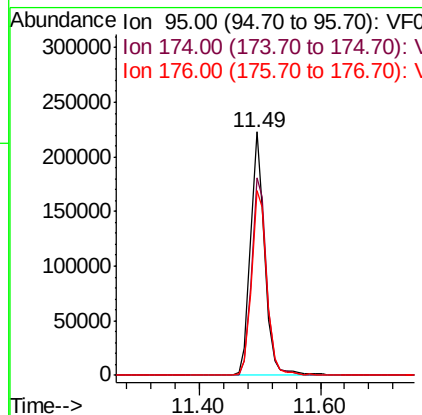
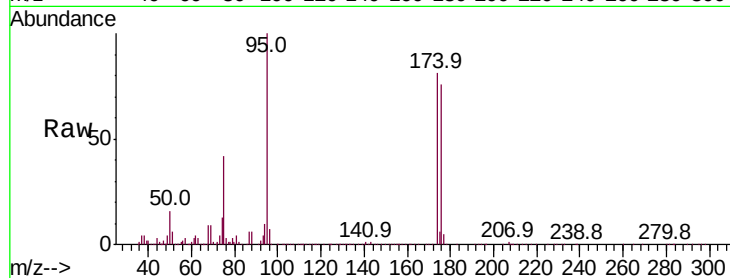
ClientSampleId :

SU-03-052219-B

Tot Ion:	95	Resp:	365607
Ion Ratio	Lower	Upper	
95	100		
174	80.9	0.0	185.6
176	76.1	0.0	182.4

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

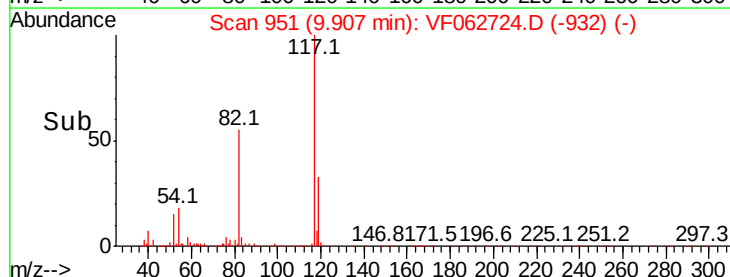
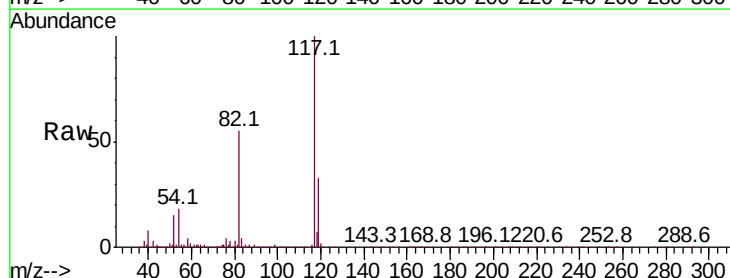
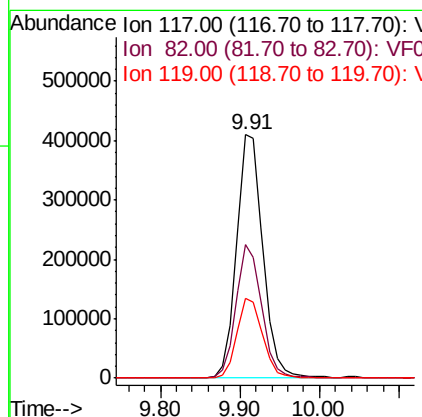
RT: 9.91 min Scan# 951

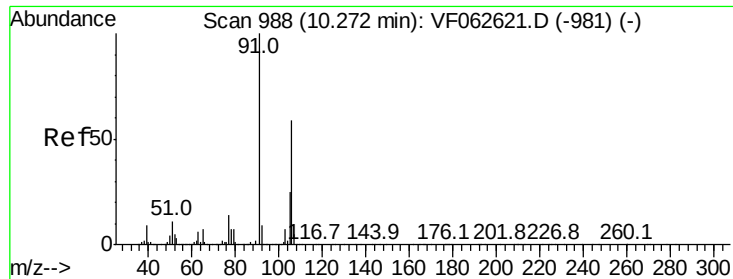
Delta R.T. -0.01 min

Lab File: VF062724.D

Acq: 23 May 2019 14:01

Tgt Ion:	117	Resp:	945211
Ion Ratio	Lower	Upper	
117	100		
82	54.7	43.3	64.9
119	32.8	27.4	41.0





#68

m/p-Xylenes

Concen: 1.338 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.02 min

Lab File: VF062724.D

Acq: 23 May 2019 14:01

Instrument :

MSVOA_F

ClientSampleId :

SU-03-052219-B

Tot Ion:106 Resp: 16224

Ion Ratio Lower Upper

106 100

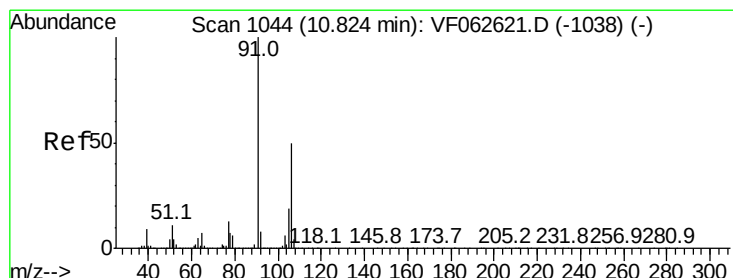
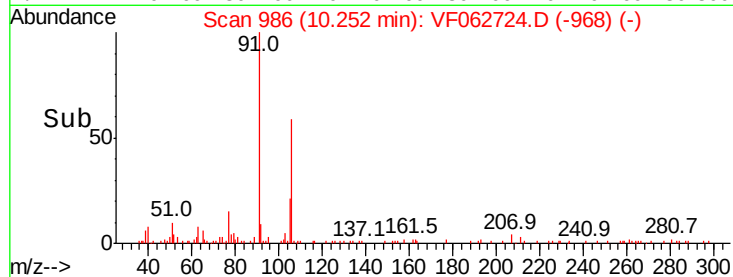
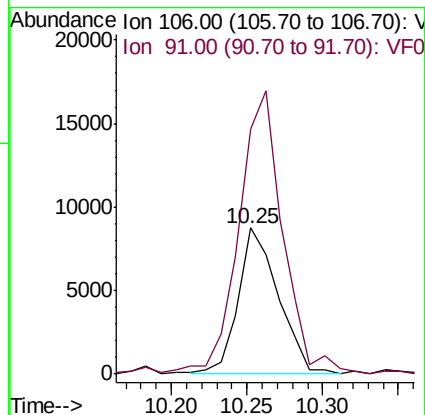
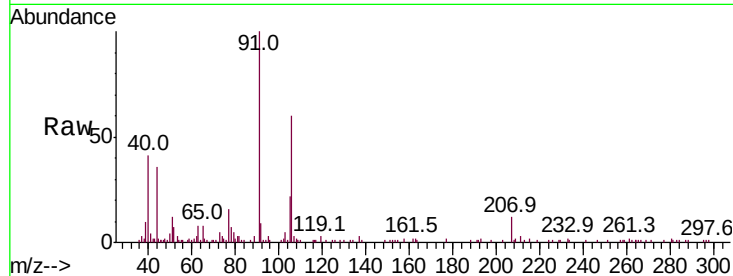
91 167.5 136.9 205.3

Manual Integrations

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#69

o-Xylene

Concen: 1.114 ug/l

RT: 10.81 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VF062724.D

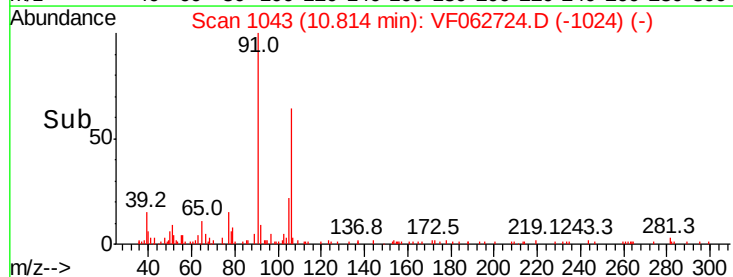
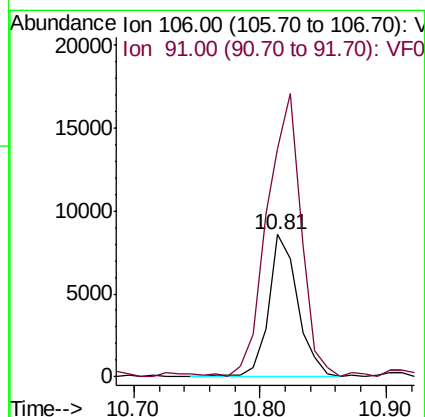
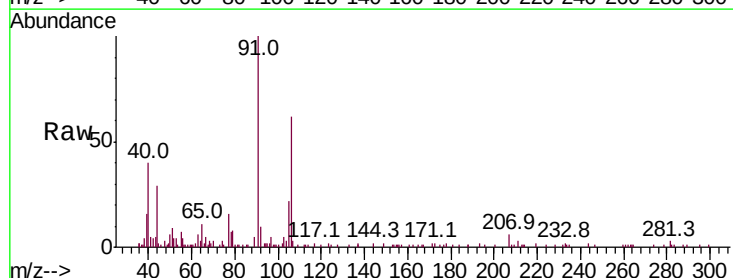
Acq: 23 May 2019 14:01

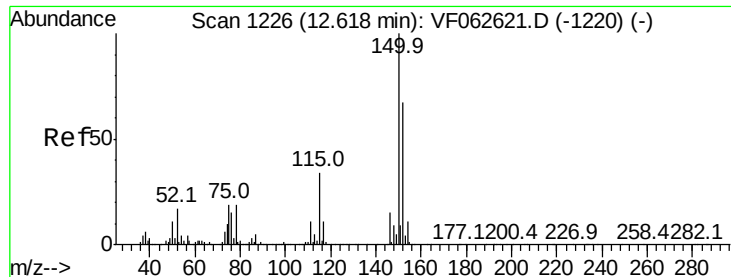
Tgt Ion:106 Resp: 13909

Ion Ratio Lower Upper

106 100

91 161.1 100.2 300.5





#72

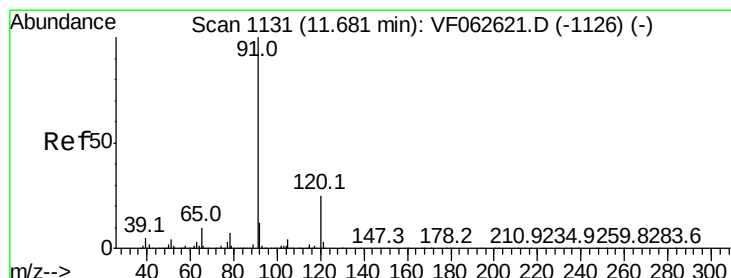
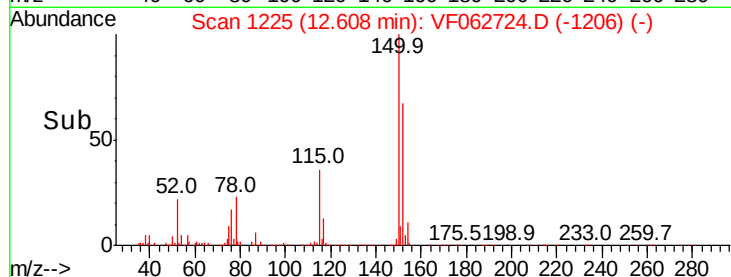
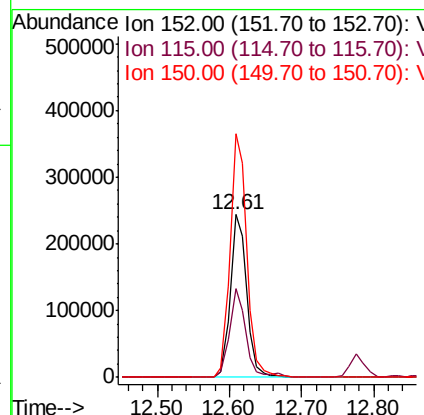
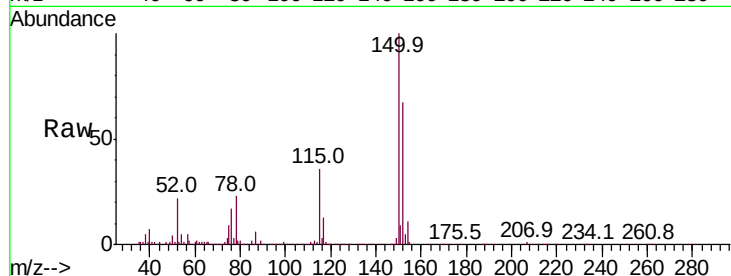
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.01 min
Lab File: VF062724.D
Acq: 23 May 2019 14:01

Instrument :
MSVOA_F
ClientSampleId :
SU-03-052219-B

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.4	25.2	75.6
150	149.9	0.0	306.2

Manual Integrations
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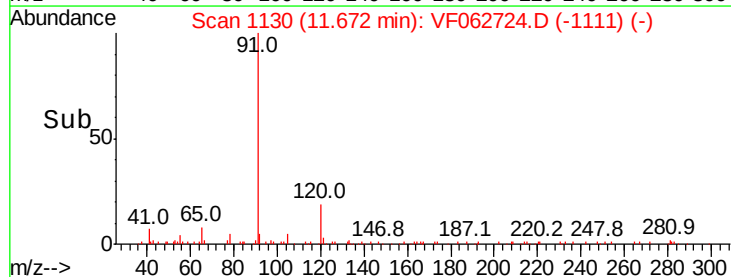
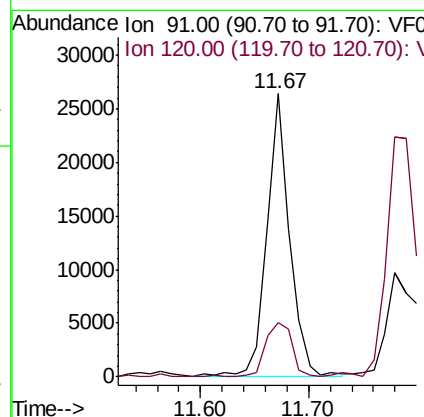
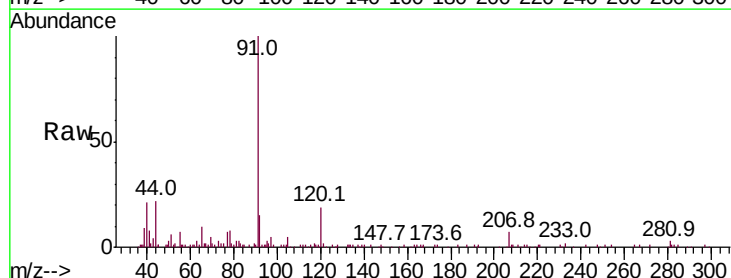
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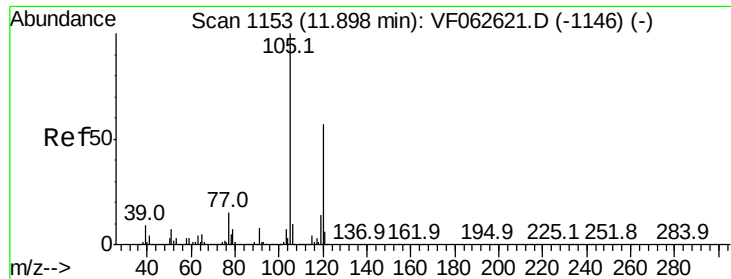


#78

n-propylbenzene
Concen: 1.205 ug/l
RT: 11.67 min Scan# 1130
Delta R.T. -0.01 min
Lab File: VF062724.D
Acq: 23 May 2019 14:01

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.2	12.7	38.1





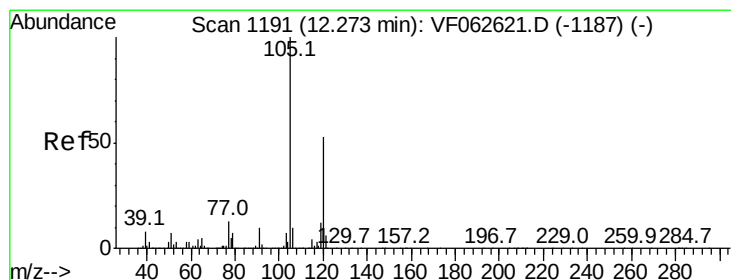
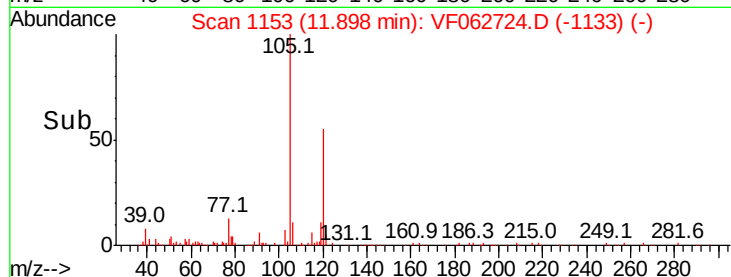
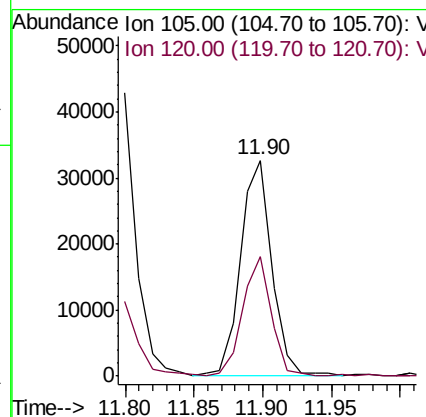
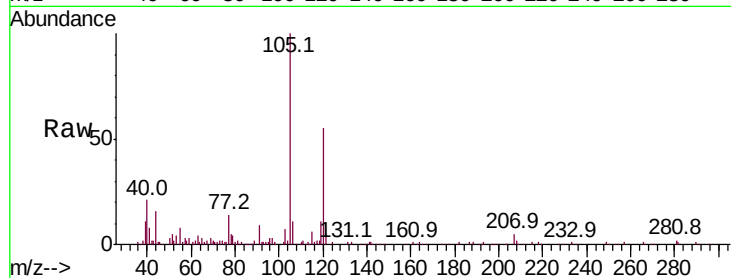
#80
 1,3,5-Trimethylbenzene
 Concen: 2.347 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VF062724.D
 Acq: 23 May 2019 14:01

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-03-052219-B

Tot Ion	Ratio	Lower	Upper
105	100		
120	55.1	28.7	86.3

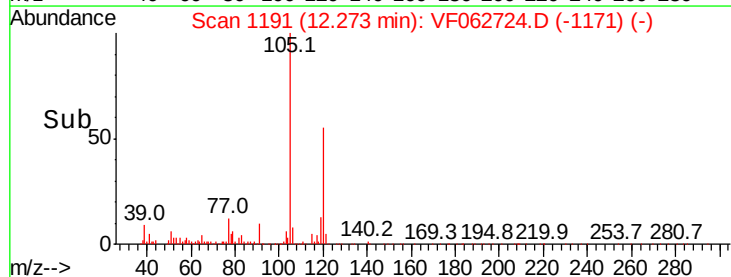
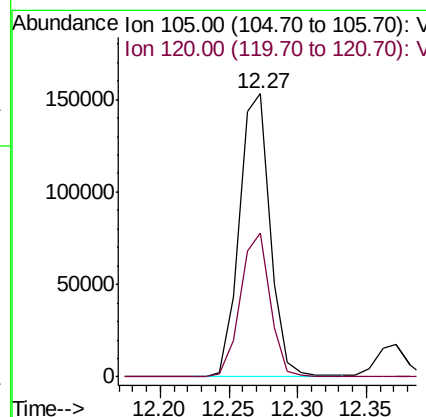
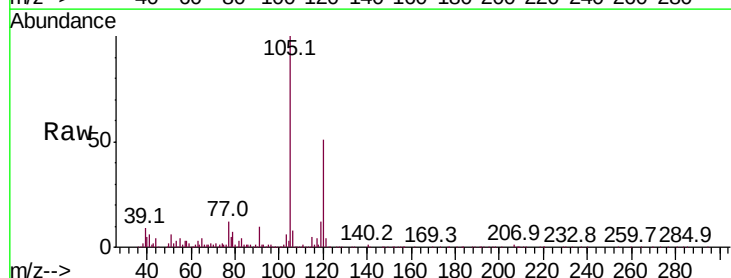
Manual Integrations
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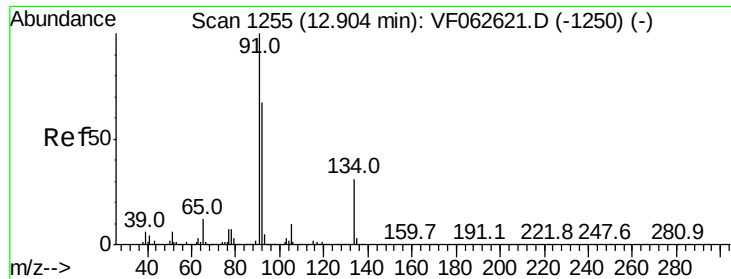
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#84
 1,2,4-Trimethylbenzene
 Concen: 11.144 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VF062724.D
 Acq: 23 May 2019 14:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.8	26.7	80.1





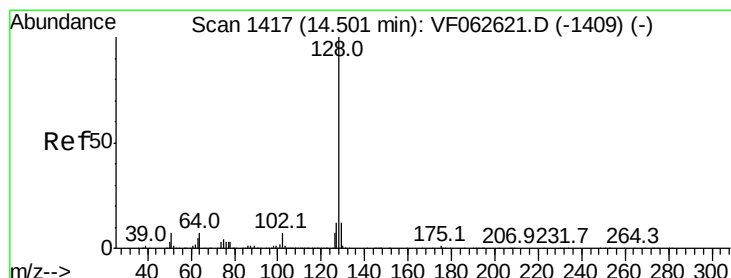
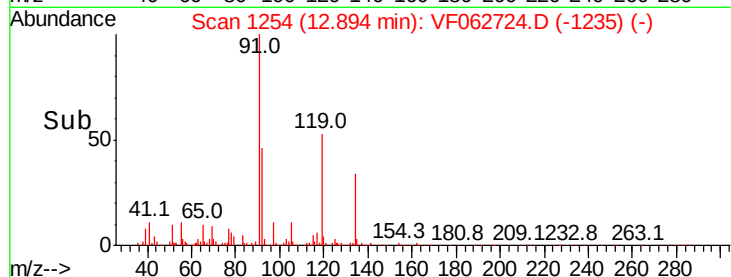
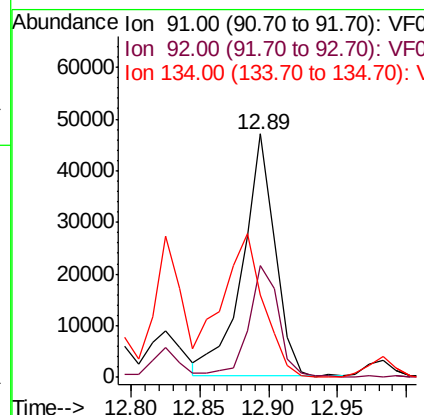
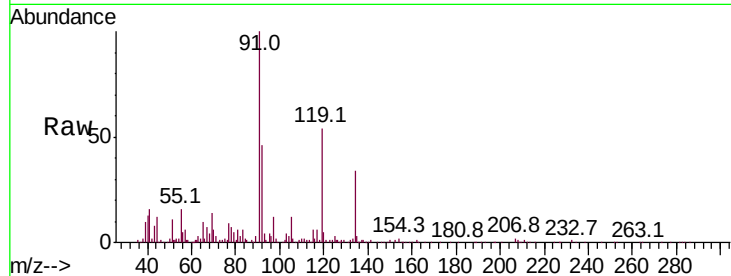
#89
n-Butylbenzene
Concen: 3.055 ug/l
RT: 12.89 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VF062724.D
Acq: 23 May 2019 14:01

Instrument :
MSVOA_F
ClientSampleId :
SU-03-052219-B

Tot Ion	Ratio	Resp	Lower	Upper
91	100	76593		
92	45.7		33.3	99.8
134	34.0		15.4	46.4

Manual Integrations
APPROVED

MMDadoda
5/24/2019 11:16:02 AM



#95
Naphthalene
Concen: 5.936 ug/l m
RT: 14.49 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF062724.D
Acq: 23 May 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	85508		
127	15.2		9.7	14.5#
129	16.5		9.3	13.9#

