

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032519\
 Data File : VF062131.D
 Acq On : 25 Mar 2019 14:57
 Operator : VA/AP
 Sample : K2078-02RE
 Misc : 3.33g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-SF-01-005-ARE

Manual Integrations
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 3/26/2019 3:59:30 PM

Quant Time: Mar 26 05:12:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	238122	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.59	114	392220	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.77	117	293415	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	135660	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	84490	47.70	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	95.40%	
35) Dibromofluoromethane	4.11	113	9039	3.41	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	6.82%	
50) Toluene-d8	7.56	98	286290	36.15	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	72.30%	
62) 4-Bromofluorobenzene	11.41	95	112722	36.87	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	73.74%	
Target Compounds						
16) Acetone	2.24	43	31570	84.690	ug/l	95
20) Methylene Chloride	2.18	84	10899m	1.764	ug/l	
68) m/p-Xylenes	10.13	106	5436	1.523	ug/l	95
69) o-Xylene	10.71	106	4319	1.156	ug/l	77
80) 1,3,5-Trimethylbenzene	11.82	105	11769	1.499	ug/l	85
84) 1,2,4-Trimethylbenzene	12.20	105	26385	3.428	ug/l	94
95) Naphthalene	14.45	128	46140	9.285	ug/l	98

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

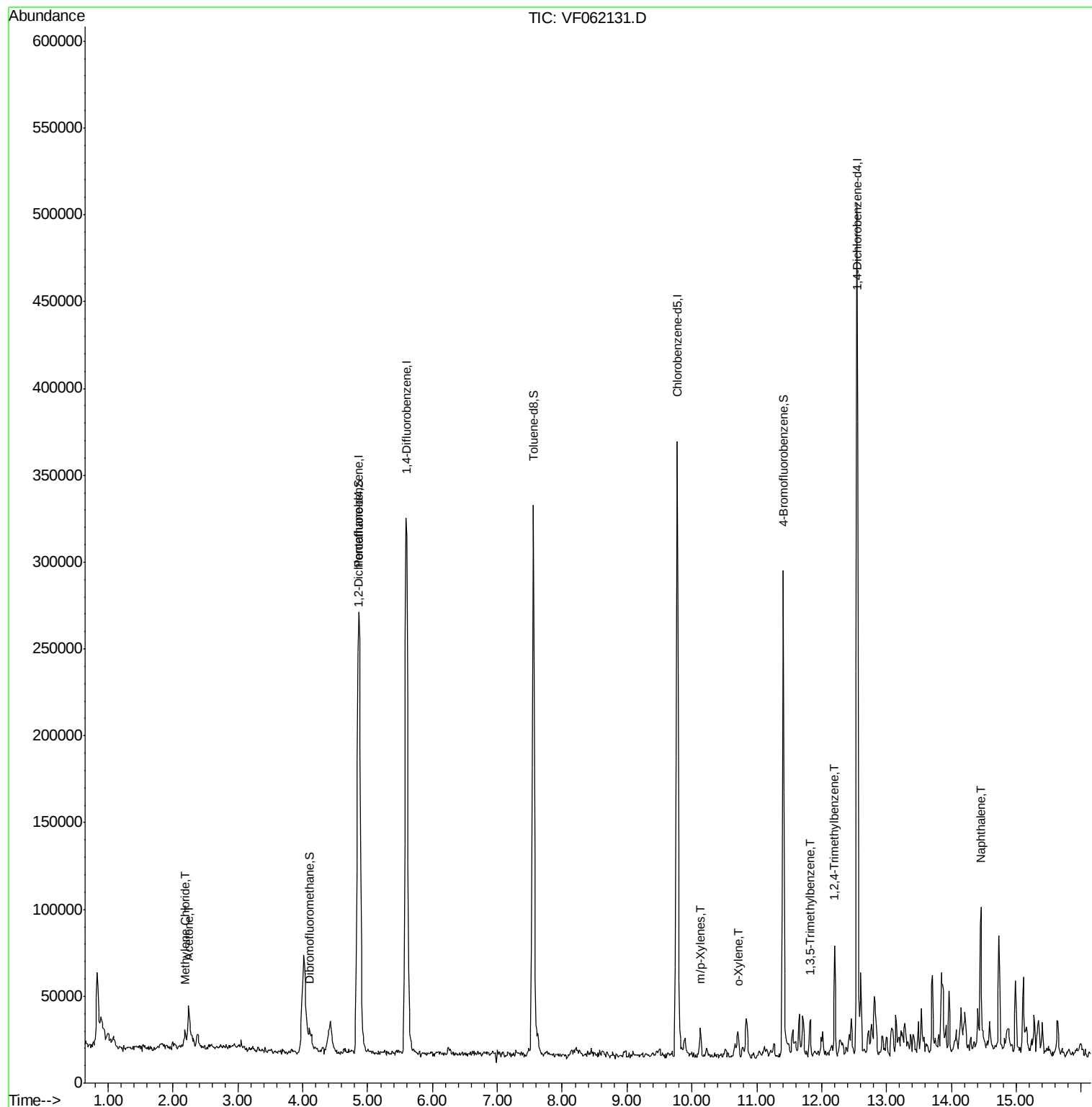
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF032519\
Data File : VF062131.D
Acq On : 25 Mar 2019 14:57
Operator : VA/AP
Sample : K2078-02RE
Misc : 3.33g/5mL/MSVOA-F/SOIL
ALS Vial : 6 Sample Multiplier: 1

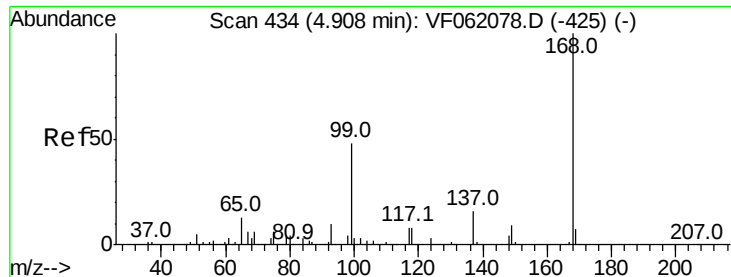
Instrument :
MSVOA_F
ClientSampleId :
FK-SF-01-005-ARE

Manual Integrations
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Quant Time: Mar 26 05:12:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
Quant Title : SW846 8260
QLast Update : Sat Mar 23 01:16:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.03 min

Lab File: VF062131.D

Acq: 25 Mar 2019 14:57

Instrument :

MSVOA_F

ClientSampleId :

FK-SF-01-005-ARE

Tot Ion:168 Resp: 238122

Ion Ratio Lower Upper

168 100

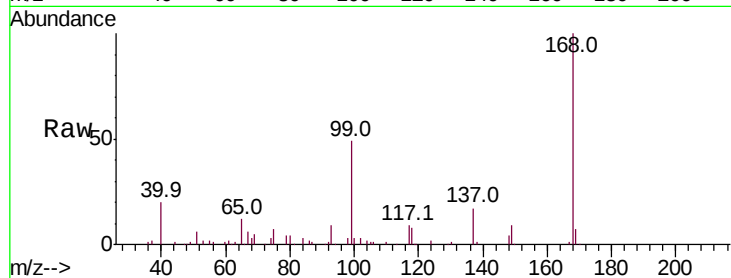
99 48.6 38.2 57.4

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

80000

60000

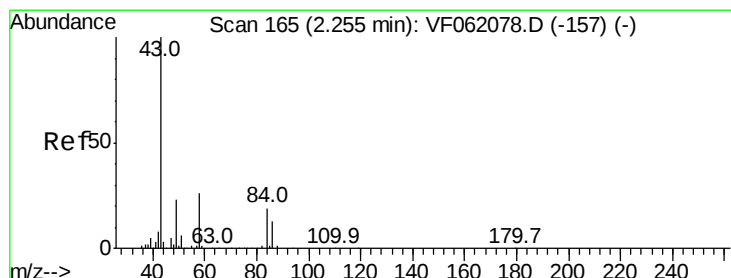
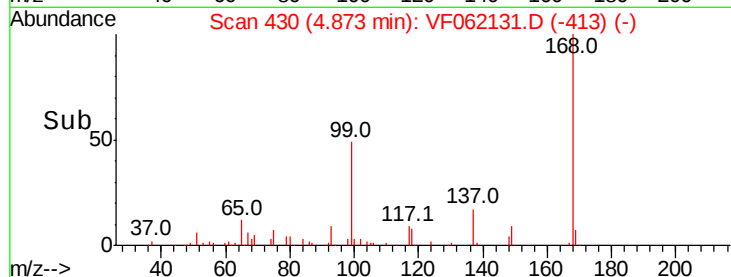
40000

20000

0

Time-->

4.70 4.80 4.90 5.00



#16

Acetone

Concen: 84.690 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF062131.D

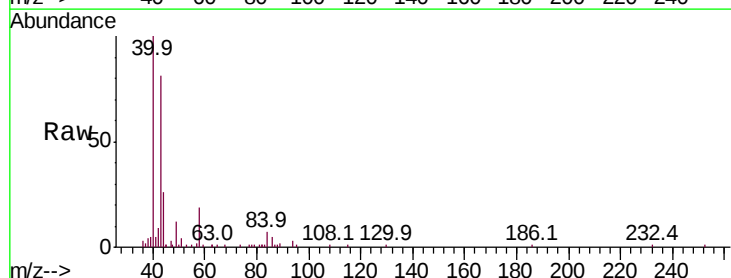
Acq: 25 Mar 2019 14:57

Tgt Ion: 43 Resp: 31570

Ion Ratio Lower Upper

43 100

58 23.3 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.24

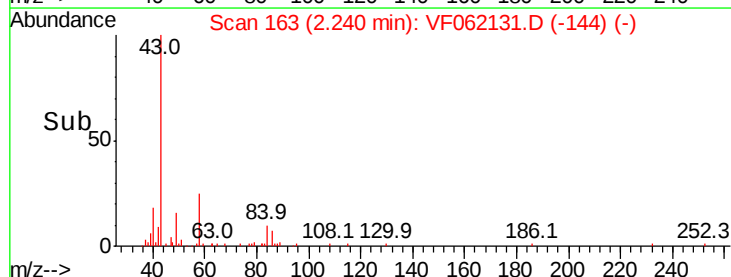
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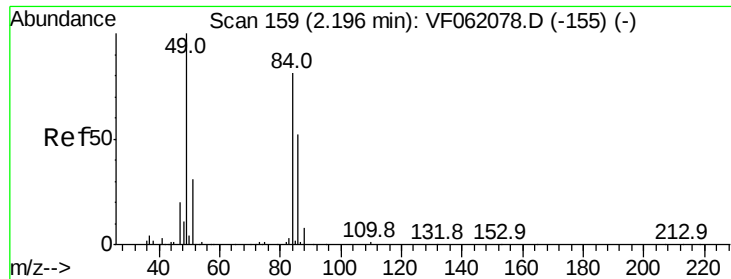
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0

Time-->

2.10 2.20 2.30





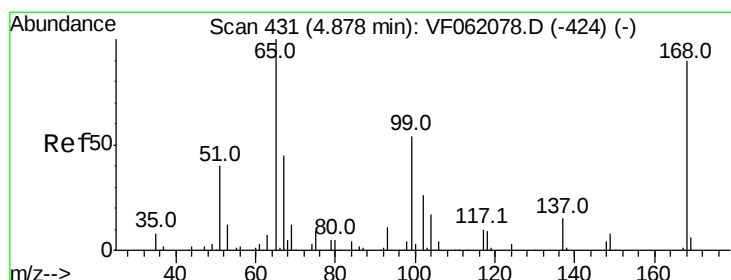
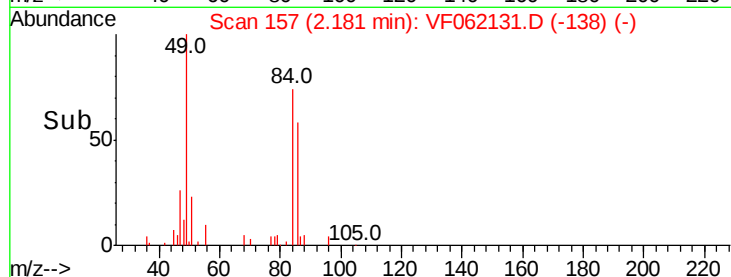
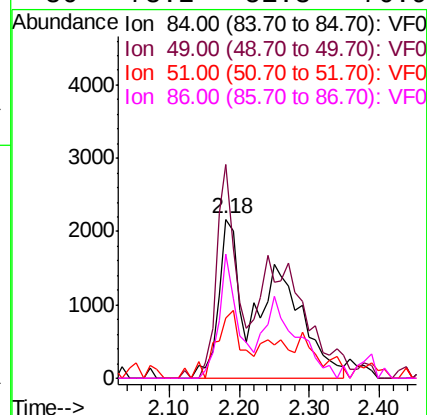
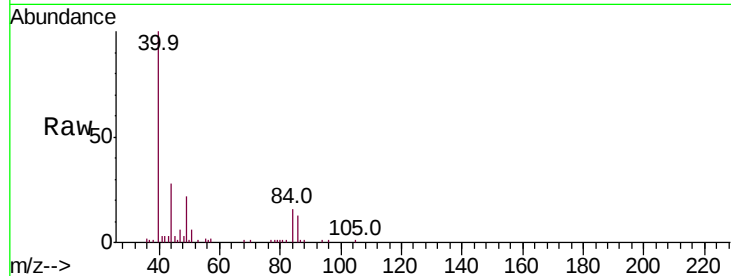
#20
Methvlene Chloride
Concen: 1.764 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF062131.D
Acq: 25 Mar 2019 14:57

Instrument :
MSVOA_F
ClientSampleId :
FK-SF-01-005-ARE

Tot Ion	Ratio	Lower	Upper
84	100		
49	134.4	100.4	150.6
51	37.6	31.0	46.6
86	78.2	51.3	76.9#

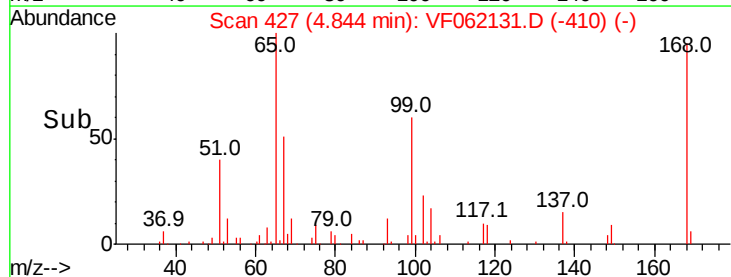
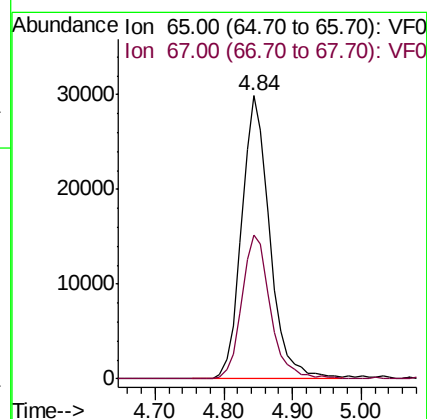
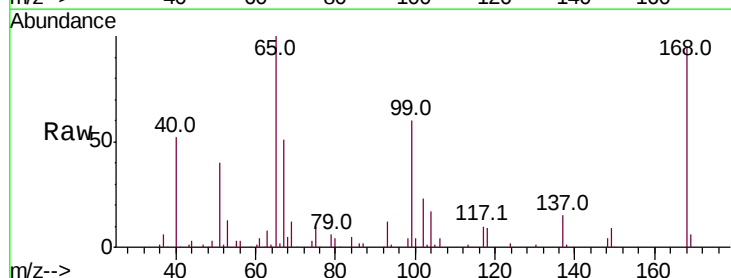
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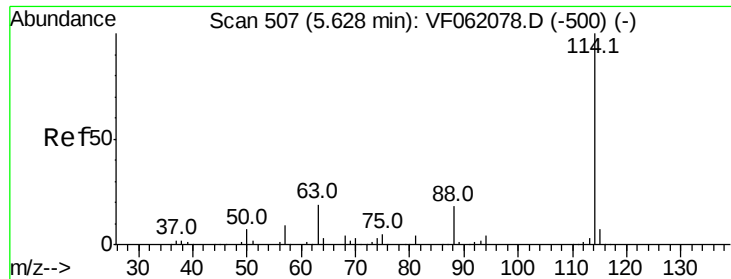
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#33
1,2-Dichloroethane-d4
Concen: 47.703 ug/l
RT: 4.84 min Scan# 427
Delta R.T. -0.03 min
Lab File: VF062131.D
Acq: 25 Mar 2019 14:57

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.03 min

Lab File: VF062131.D

Acq: 25 Mar 2019 14:57

Instrument :

MSVOA_F

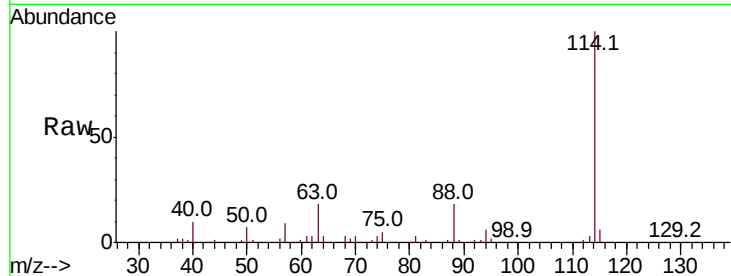
ClientSampleId :

FK-SF-01-005-ARE

Tot Ion:	114	Resp:	392220
Ion Ratio	Lower	Upper	
114	100		
63	18.0	0.0	37.8
88	18.0	0.0	36.4

Manual Integrations
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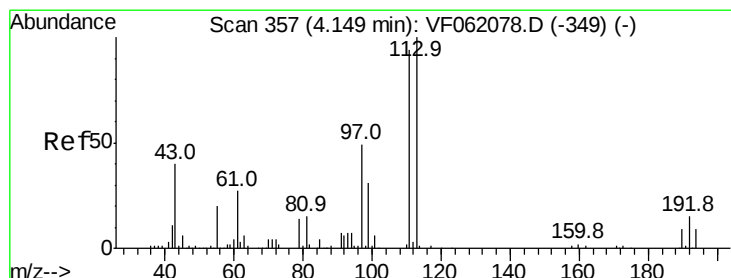
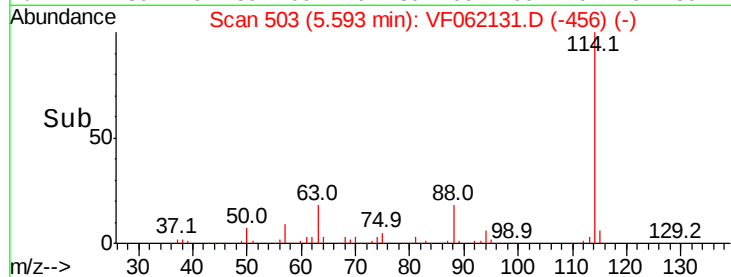
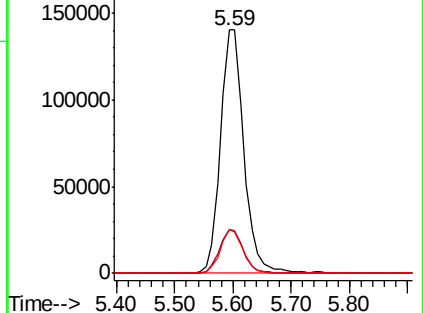
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Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 3.407 ug/l

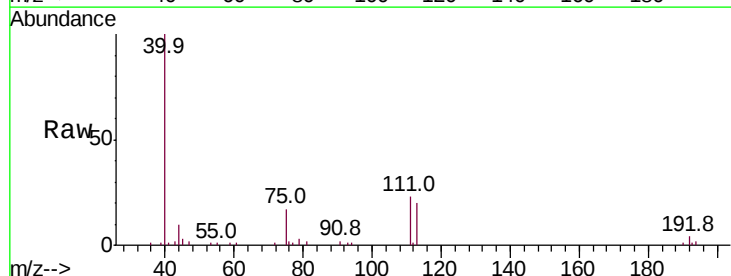
RT: 4.11 min Scan# 353

Delta R.T. -0.03 min

Lab File: VF062131.D

Acq: 25 Mar 2019 14:57

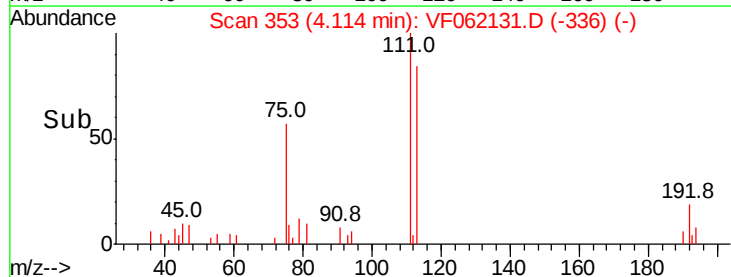
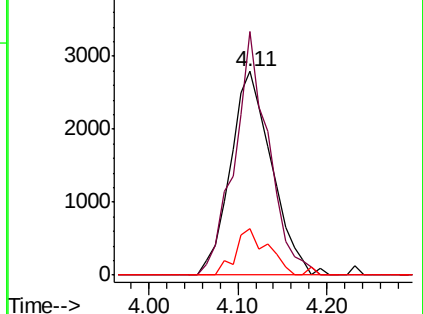
Tgt Ion:	113	Resp:	9039
Ion Ratio	Lower	Upper	
113	100		
111	119.5	75.4	113.0#
192	27.6	12.3	18.5#

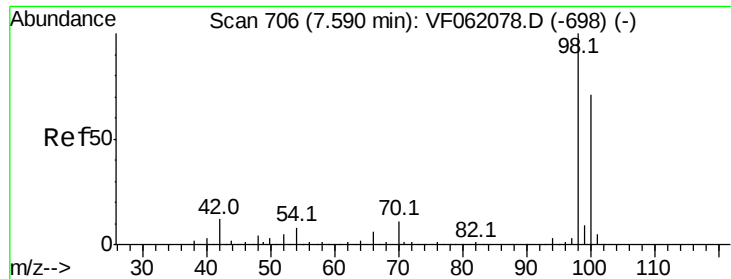


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





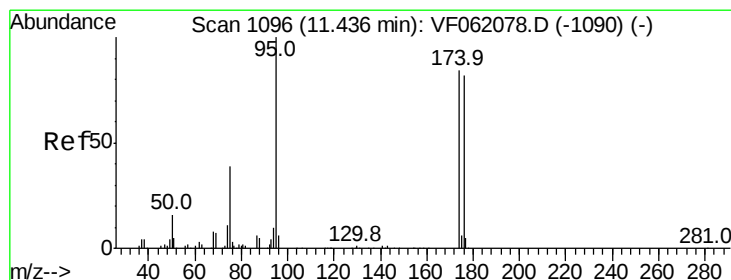
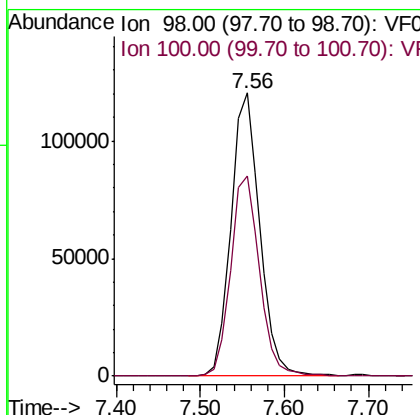
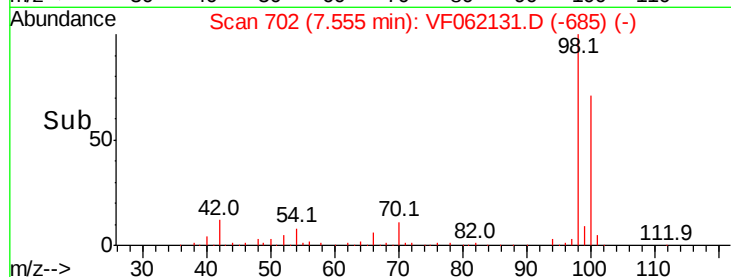
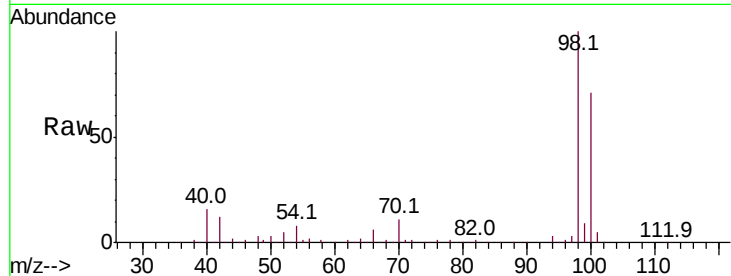
#50
Toluene-d8
Concen: 36.148 ug/l
RT: 7.56 min Scan# 702
Delta R.T. -0.03 min
Lab File: VF062131.D
Acq: 25 Mar 2019 14:57

Instrument :
MSVOA_F
ClientSampleId :
FK-SF-01-005-ARE

Tot Ion: 98 Resp: 286290
Ion Ratio Lower Upper
98 100
100 70.9 57.0 85.6

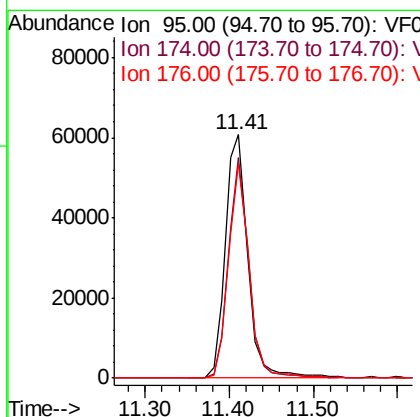
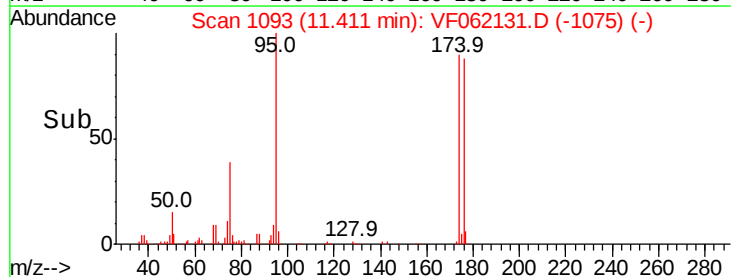
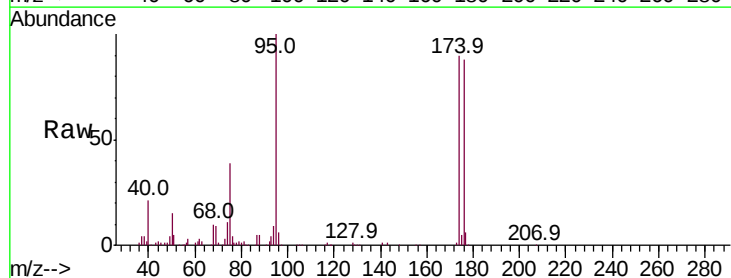
Manual Integrations
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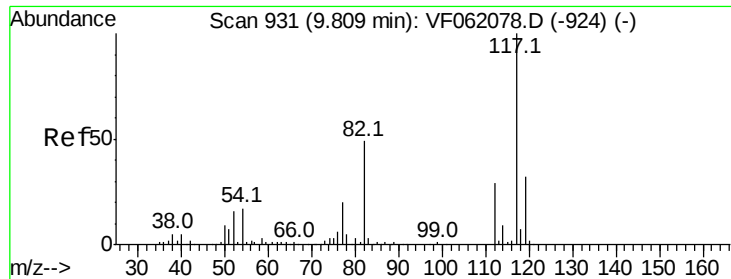
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#62
4-Bromofluorobenzene
Concen: 36.867 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. -0.02 min
Lab File: VF062131.D
Acq: 25 Mar 2019 14:57

Tgt Ion: 95 Resp: 112722
Ion Ratio Lower Upper
95 100
174 90.5 0.0 168.2
176 88.1 0.0 164.2





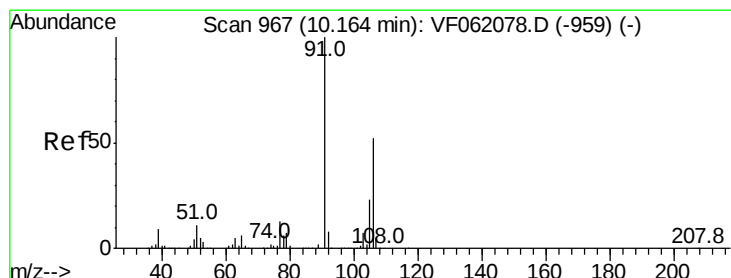
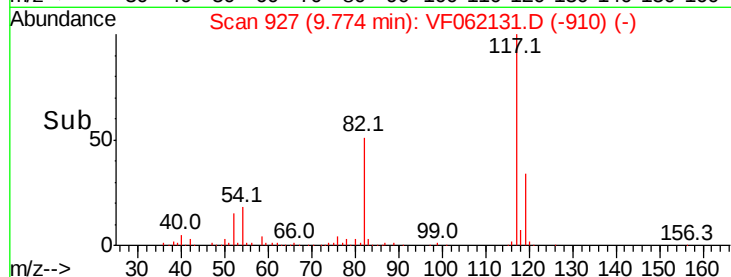
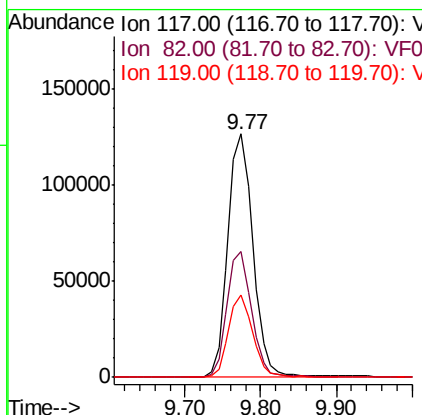
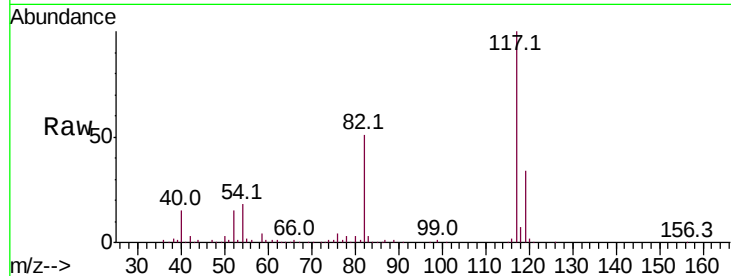
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.03 min
Lab File: VF062131.D
Acq: 25 Mar 2019 14:57

Instrument :
MSVOA_F
ClientSampleId :
FK-SF-01-005-ARE

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	39.2	58.8
119	33.8	25.4	38.2

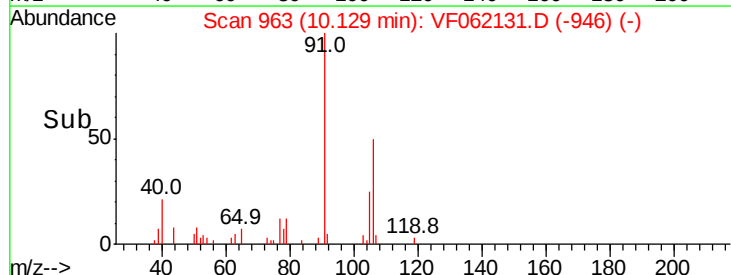
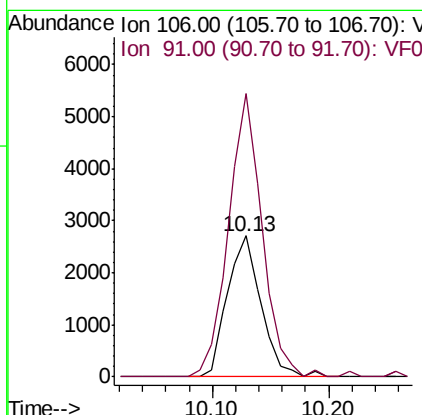
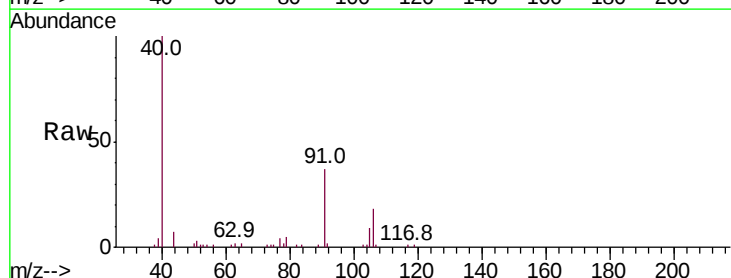
Manual Integrations
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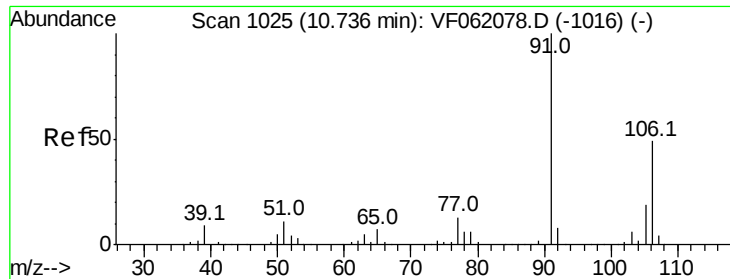
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#68
m/p-Xylenes
Concen: 1.523 ug/l
RT: 10.13 min Scan# 963
Delta R.T. -0.03 min
Lab File: VF062131.D
Acq: 25 Mar 2019 14:57

Tgt Ion	Ratio	Lower	Upper
106	100		
91	201.0	154.4	231.6





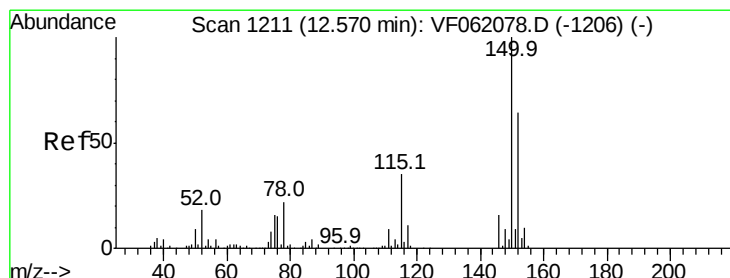
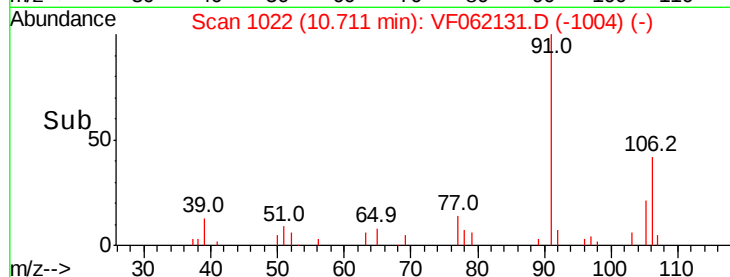
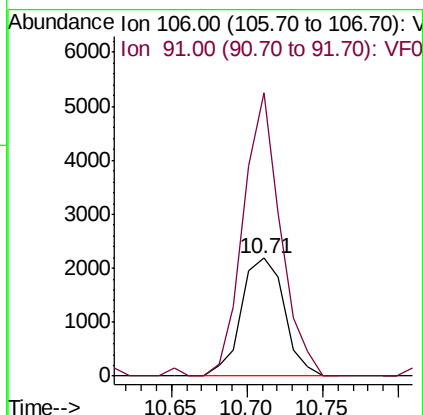
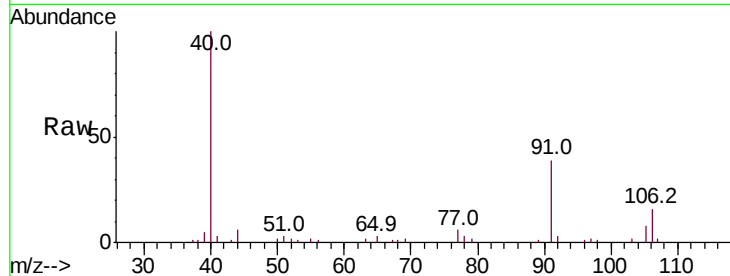
#69
o-Xylene
Concen: 1.156 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.02 min
Lab File: VF062131.D
Acq: 25 Mar 2019 14:57

Instrument :
MSVOA_F
ClientSampleId :
FK-SF-01-005-ARE

Tot Ion:106 Resp: 4319
Ion Ratio Lower Upper
106 100
91 240.2 102.6 307.8

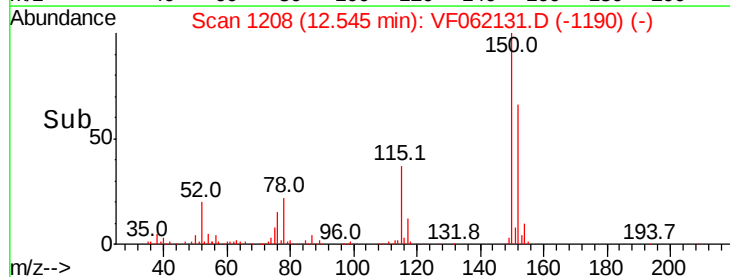
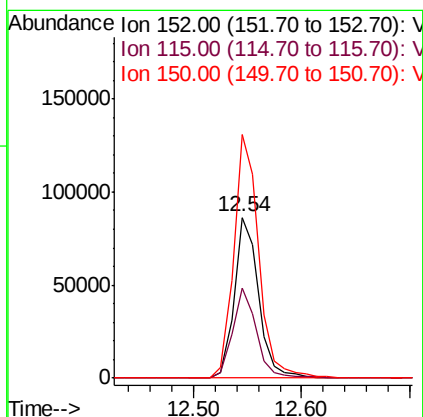
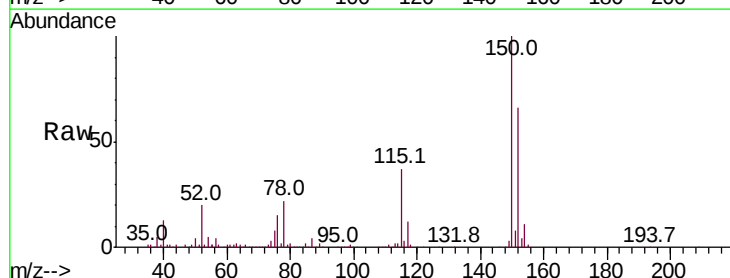
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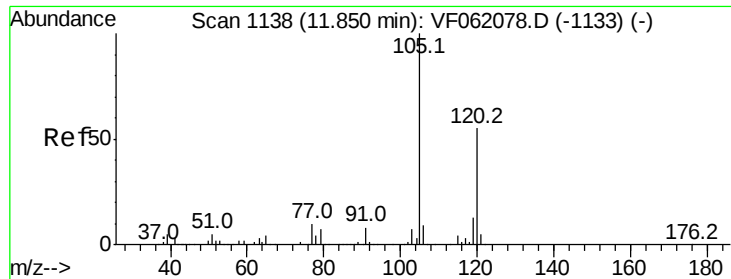
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1208
Delta R.T. -0.02 min
Lab File: VF062131.D
Acq: 25 Mar 2019 14:57

Tgt Ion:152 Resp: 135660
Ion Ratio Lower Upper
152 100
115 55.9 27.7 83.1
150 151.5 0.0 313.2





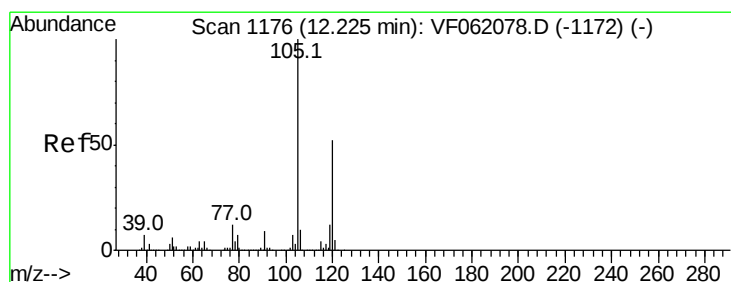
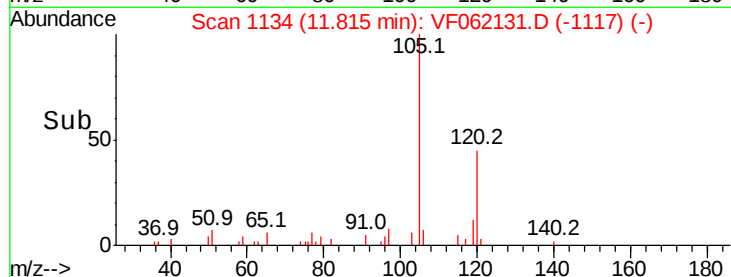
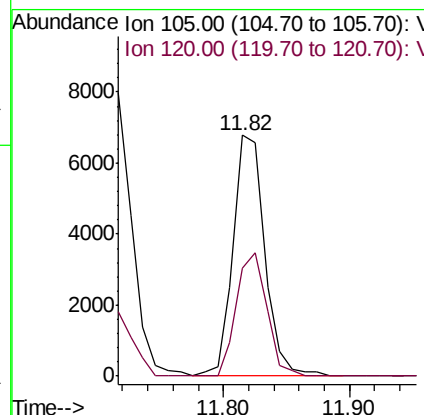
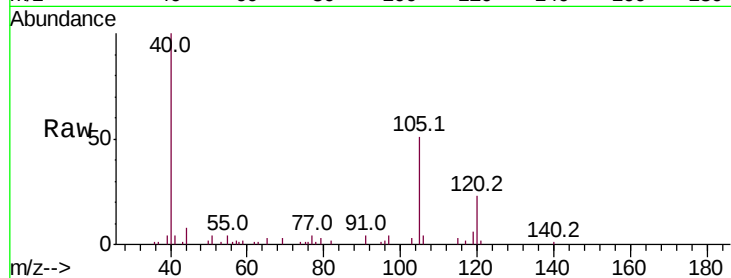
#80
 1,3,5-Trimethylbenzene
 Concen: 1.499 ug/l
 RT: 11.82 min Scan# 1134
 Delta R.T. -0.03 min
 Lab File: VF062131.D
 Acq: 25 Mar 2019 14:57

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-SF-01-005-ARE

Tot Ion:105 Resp: 11769
 Ion Ratio Lower Upper
 105 100
 120 44.8 27.8 83.3

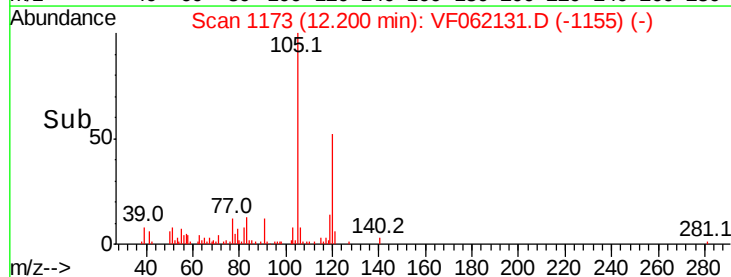
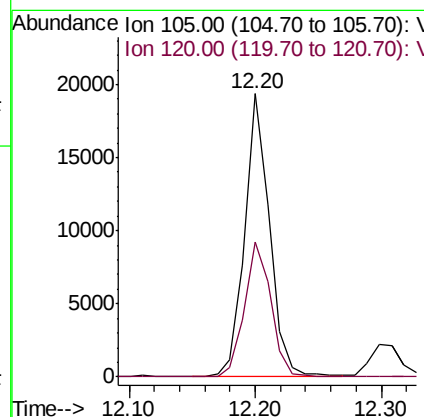
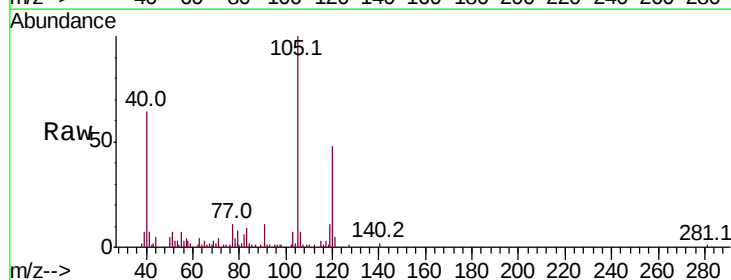
Manual Integrations
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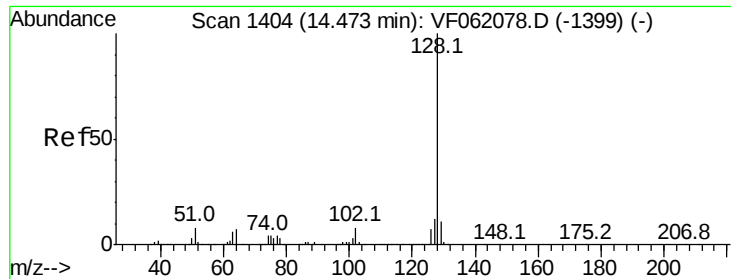
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#84
 1,2,4-Trimethylbenzene
 Concen: 3.428 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.02 min
 Lab File: VF062131.D
 Acq: 25 Mar 2019 14:57

Tgt Ion:105 Resp: 26385
 Ion Ratio Lower Upper
 105 100
 120 47.5 26.1 78.2





#95
Naphthalene
Concen: 9.285 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF062131.D
Acq: 25 Mar 2019 14:57

Instrument :
MSVOA_F
ClientSampleId :
FK-SF-01-005-ARE

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.5	14.3
129	12.2	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/26/2019 3:59:30 PM

