

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082818\
 Data File : VF060150.D
 Acq On : 28 Aug 2018 15:23
 Operator : VA/AP
 Sample : J4282-13RE
 Misc : 6.14g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-02-082318-BRE

Manual Integrations
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8/29/2018 11:03:39 AM

Quant Time: Aug 28 16:27:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	101206	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	149298	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	81512	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	18408	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	47299	34.15	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	68.30%	
35) Dibromofluoromethane	4.29	113	89	0.08	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	0.16%	
50) Toluene-d8	7.71	98	113215	34.00	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	68.00%	
62) 4-Bromofluorobenzene	11.50	95	25665	14.57	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	29.14%	
Target Compounds						
					Qvalue	
16) Acetone	2.31	43	14220	39.06	ug/l	93
17) Carbon Disulfide	1.84	76	17335	8.61	ug/l	100
20) Methylene Chloride	2.27	84	6210	3.94	ug/l #	78
52) Toluene	7.77	92	79362	39.19	ug/l	95
64) Tetrachloroethene	8.30	164	1378	2.51	ug/l #	82
67) Ethyl Benzene	10.03	91	14330	5.40	ug/l	96
68) m/p-Xylenes	10.26	106	31547	29.58	ug/l	93
69) o-Xylene	10.82	106	19309	18.56	ug/l	92
73) Isopropylbenzene	11.22	105	7081	6.39	ug/l	95
78) n-propylbenzene	11.68	91	20598	15.06	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	111261	115.25	ug/l	94
84) 1,2,4-Trimethylbenzene	12.28	105	185129	180.39	ug/l	93
85) sec-Butylbenzene	12.38	105	4628m	3.53	ug/l	
86) p-Isopropyltoluene	12.51	119	17834m	16.40	ug/l	
95) Naphthalene	14.52	128	8412	14.01	ug/l	98

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

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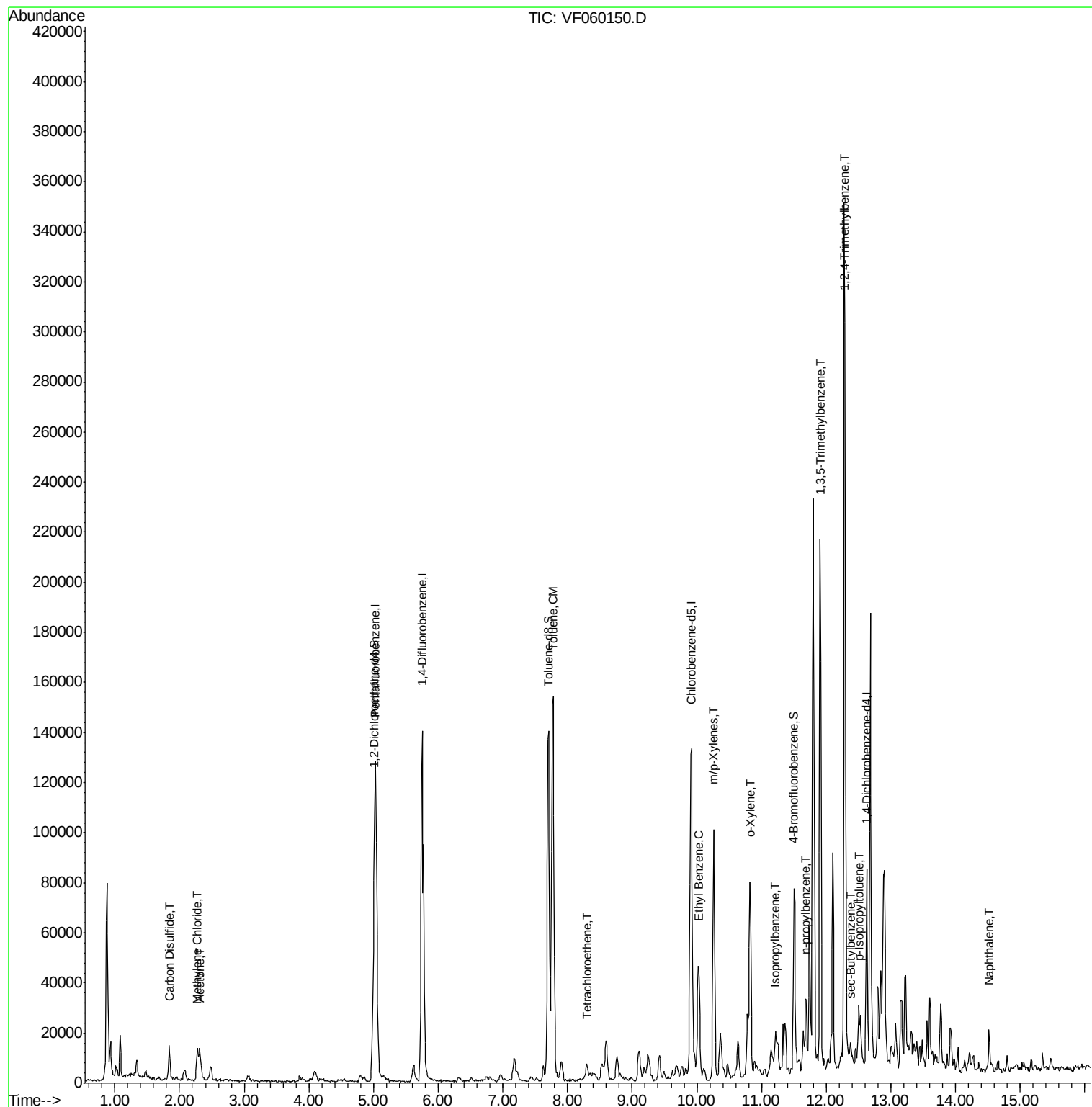
Instrument :
MSVOA_F
ClientSampleId :
SU-02-082318-BRE

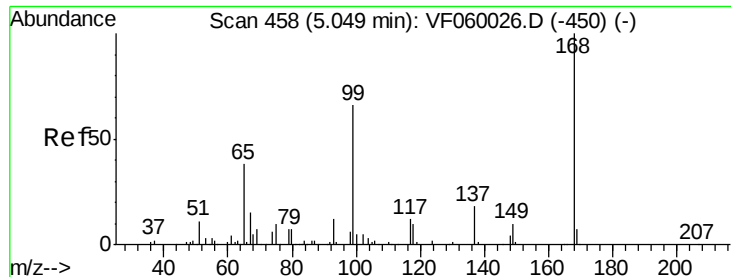
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Quant Time: Aug 28 16:27:05 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.03 min Scan# 457
 Delta R.T. -0.01 min
 Lab File: VF060150.D
 Acq: 28 Aug 2018 15:23

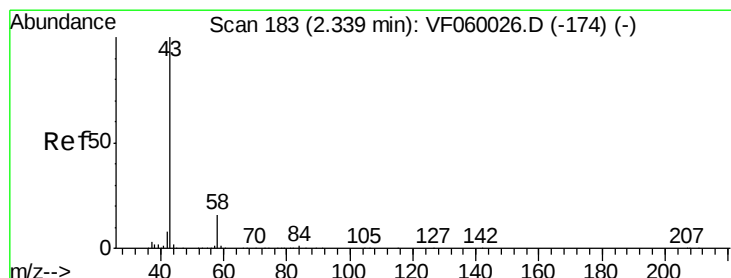
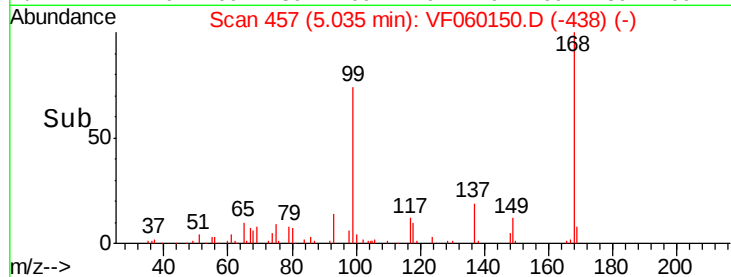
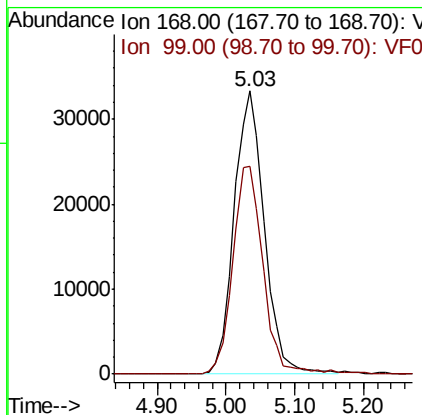
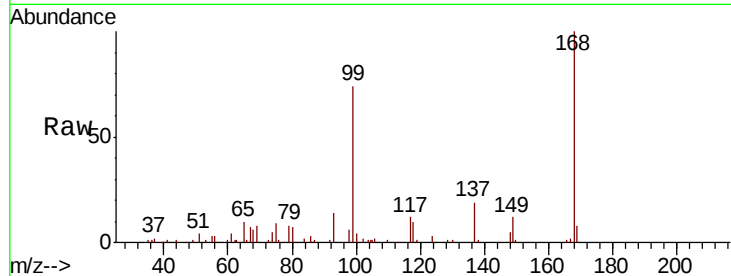
Instrument :
 MSVOA_F
 ClientSampleId :
 SU-02-082318-BRE

Tot Ion	Ratio	Resp	Lower	Upper
168	100	101206		
99	73.6	52.6	79.0	

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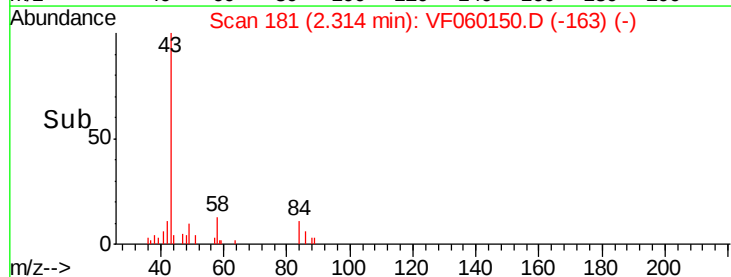
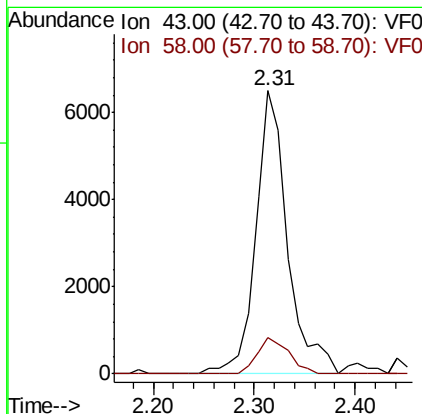
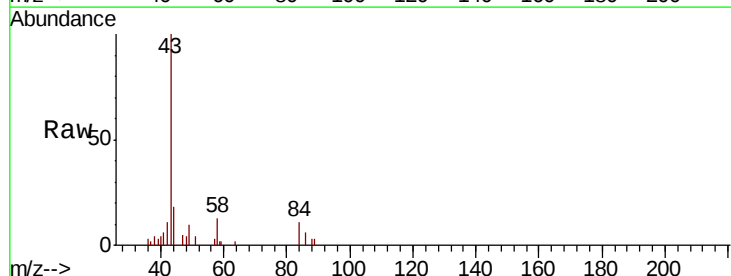
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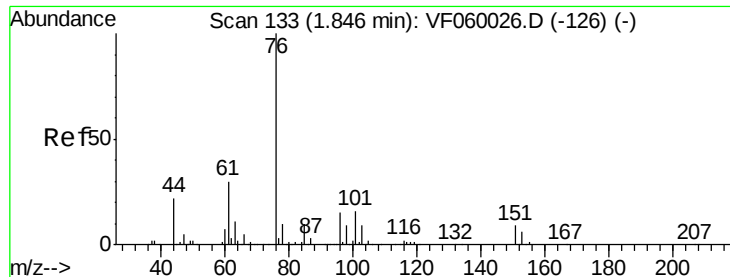


#16

Acetone
 Concen: 39.06 ug/l
 RT: 2.31 min Scan# 181
 Delta R.T. -0.02 min
 Lab File: VF060150.D
 Acq: 28 Aug 2018 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	14220		
58	12.7	12.6	19.0	





#17
Carbon Disulfide
Concen: 8.61 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.00 min
Lab File: VF060150.D
Acq: 28 Aug 2018 15:23

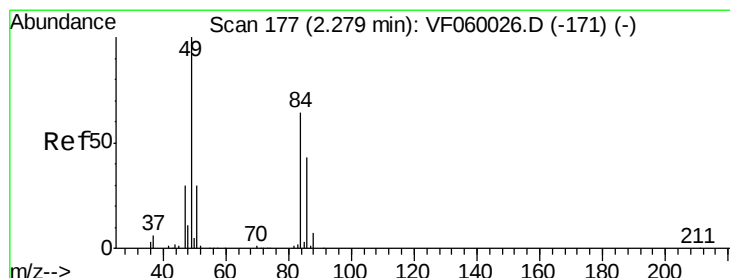
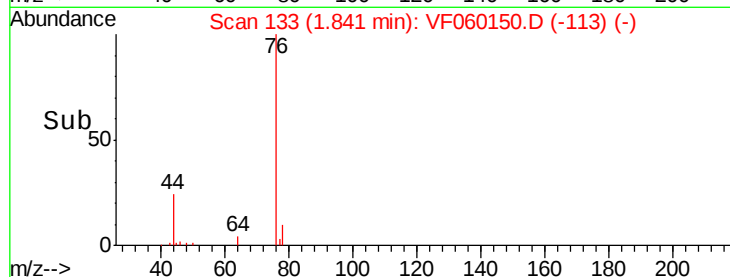
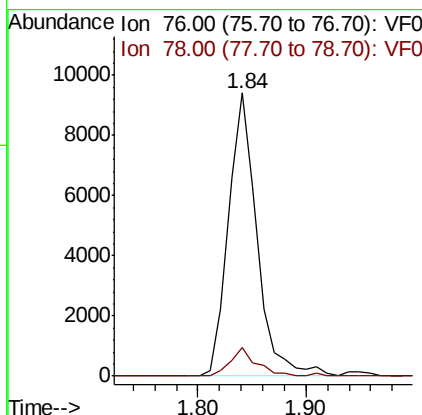
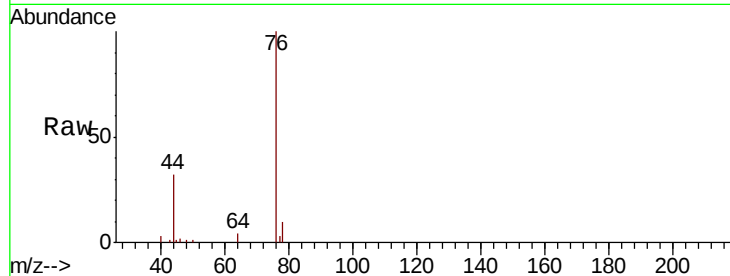
Instrument :
MSVOA_F
ClientSampleId :
SU-02-082318-BRE

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.3	8.4	12.6

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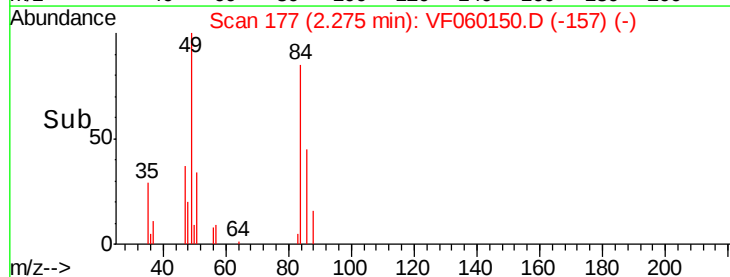
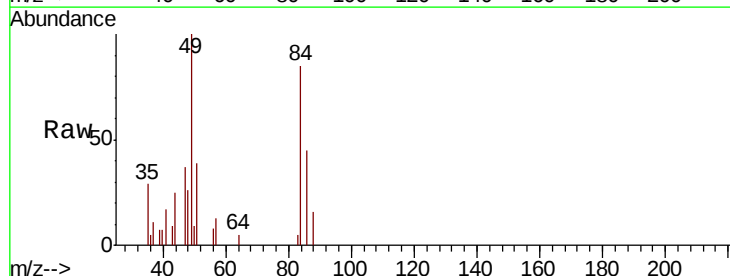
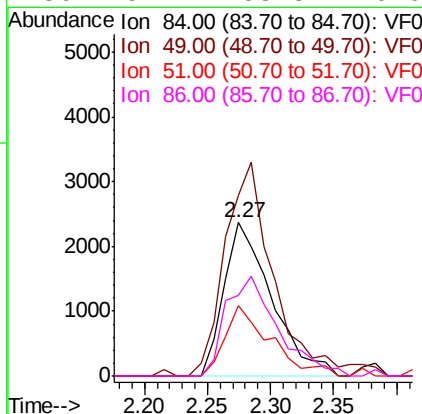
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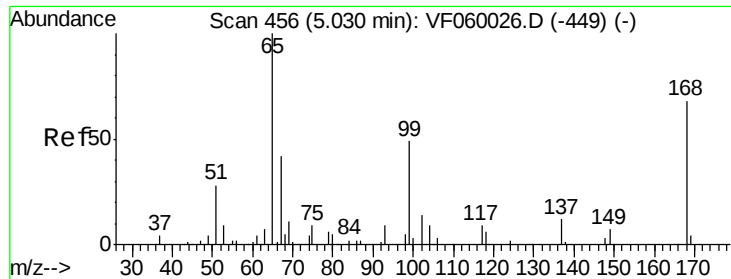
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#20
Methylene Chloride
Concen: 3.94 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.00 min
Lab File: VF060150.D
Acq: 28 Aug 2018 15:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.4	125.4	188.0#
51	45.6	38.3	57.5
86	52.4	53.3	79.9#





#33

1,2-Dichloroethane-d4

Concen: 34.15 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.02 min

Lab File: VF060150.D

Acq: 28 Aug 2018 15:23

Instrument :

MSVOA_F

ClientSampleId :

SU-02-082318-BRE

Tot Ion: 65 Resp: 47299

Ion Ratio Lower Upper

65 100

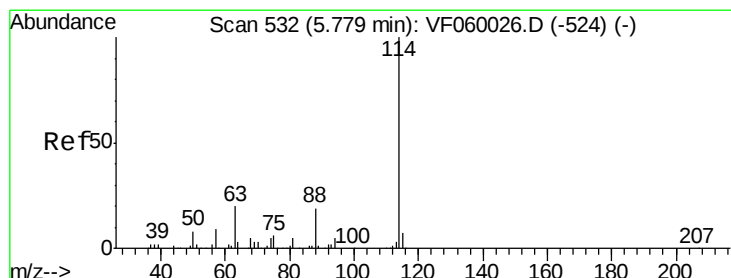
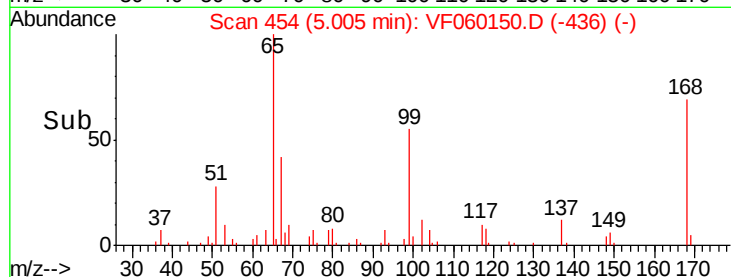
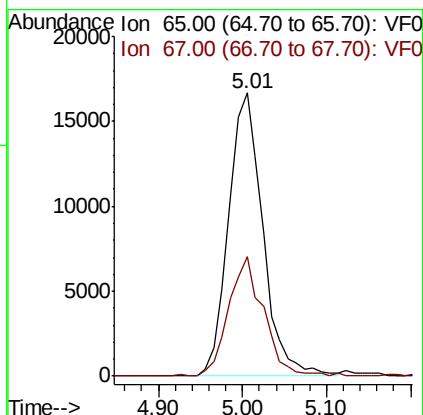
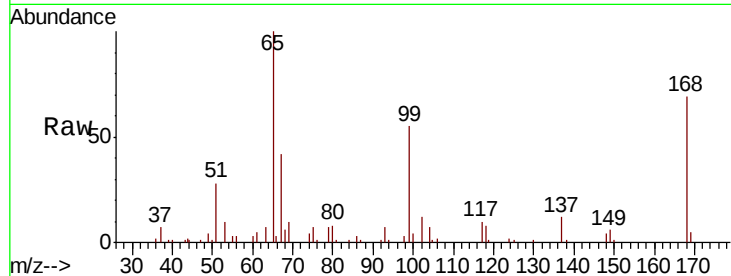
67 42.1 0.0 92.0

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.02 min

Lab File: VF060150.D

Acq: 28 Aug 2018 15:23

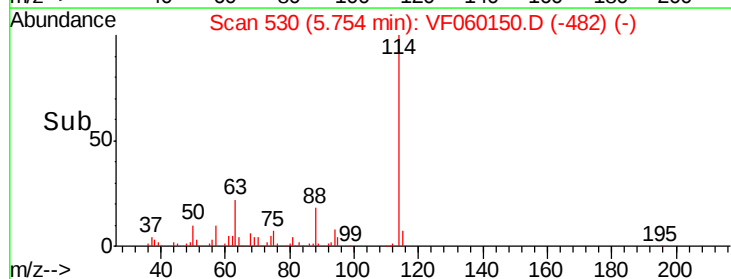
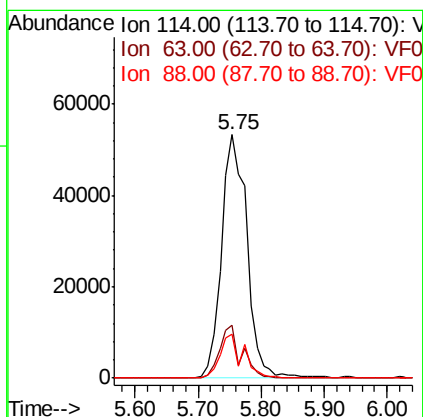
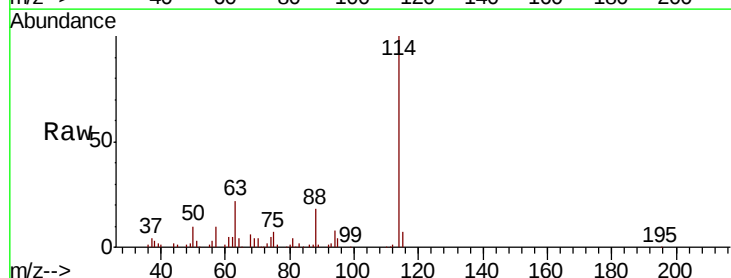
Tgt Ion: 114 Resp: 149298

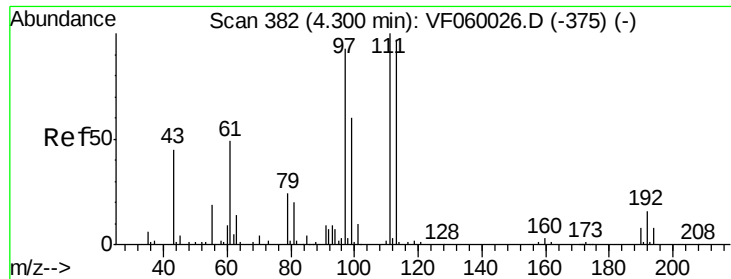
Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.4

88 18.2 0.0 38.6





#35
 Dibromofluoromethane
 Concen: 0.08 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VF060150.D
 Acq: 28 Aug 2018 15:23

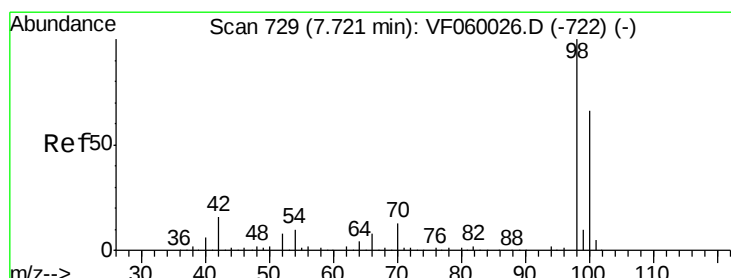
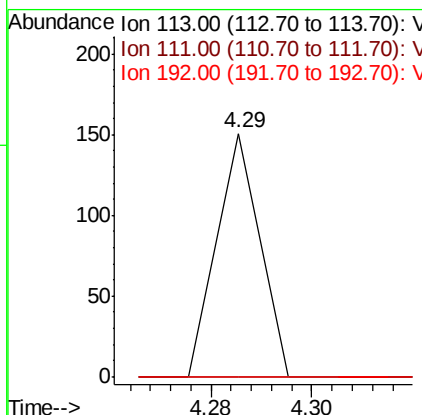
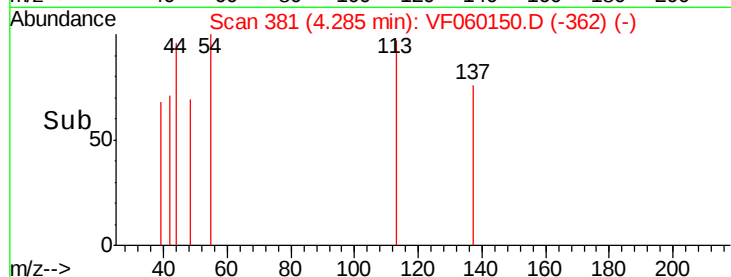
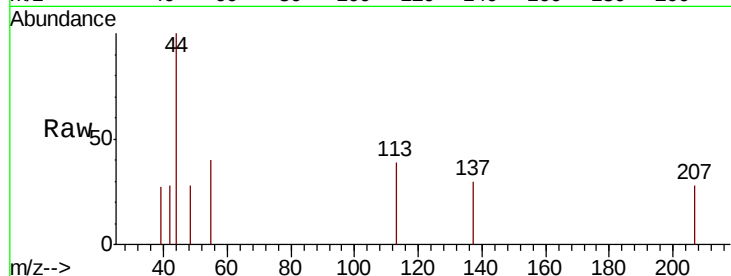
Instrument :
 MSVOA_F
 ClientSampleId :
 SU-02-082318-BRE

Tot Ion	Ratio	Lower	Upper
113	100		
111	0.0	82.7	124.1#
192	0.0	13.0	19.4#

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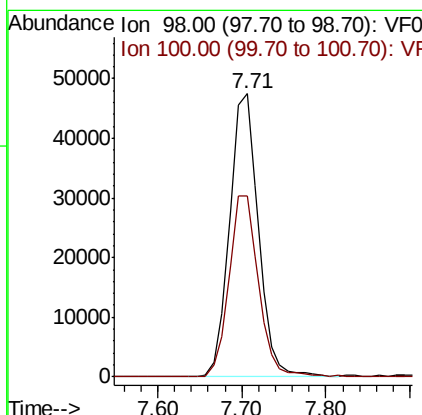
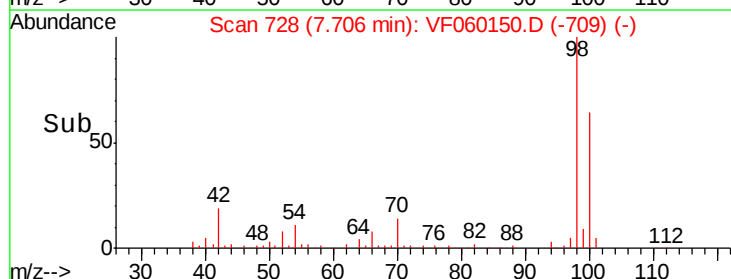
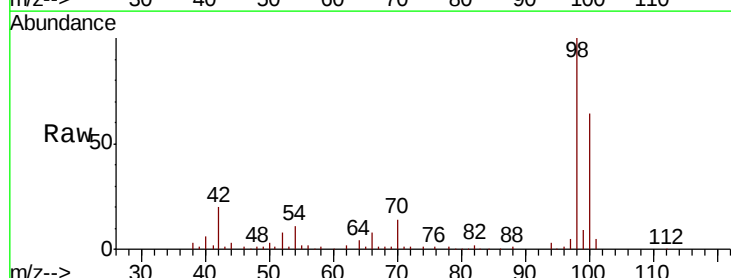
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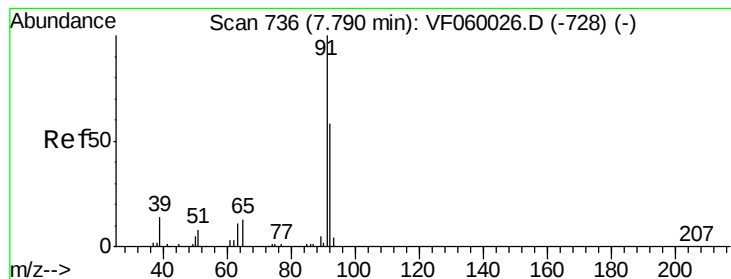
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#50
 Toluene-d8
 Concen: 34.00 ug/l
 RT: 7.71 min Scan# 728
 Delta R.T. -0.01 min
 Lab File: VF060150.D
 Acq: 28 Aug 2018 15:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	53.2	79.8





#52

Toluene

Concen: 39.19 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060150.D

Acq: 28 Aug 2018 15:23

Instrument :

MSVOA_F

ClientSampleId :

SU-02-082318-BRE

Tot Ion: 92 Resp: 79362

Ion Ratio Lower Upper

92 100

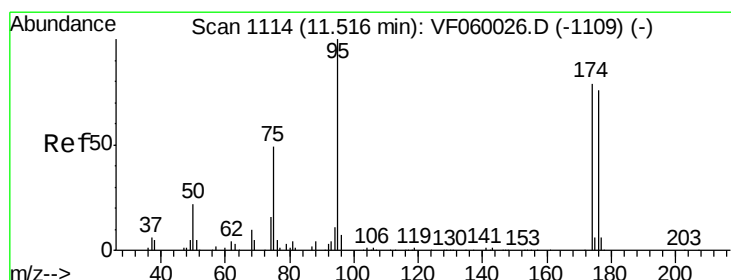
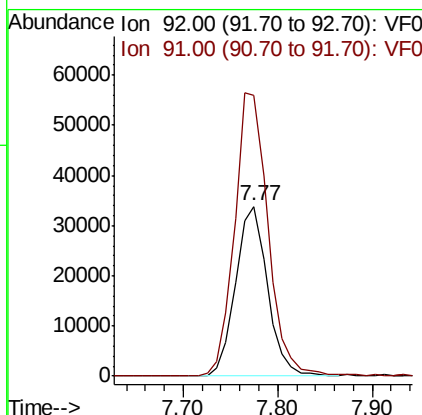
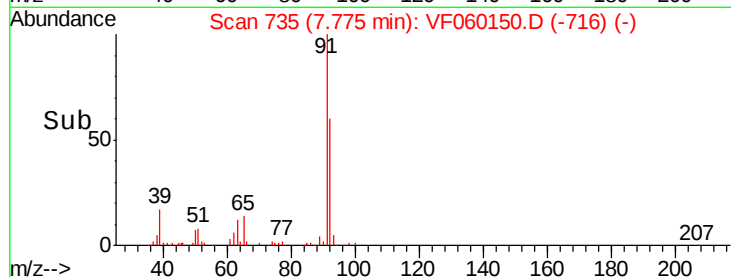
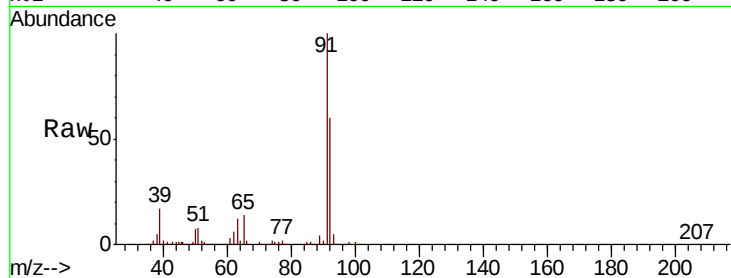
91 165.7 137.7 206.5

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#62

4-Bromofluorobenzene

Concen: 14.57 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF060150.D

Acq: 28 Aug 2018 15:23

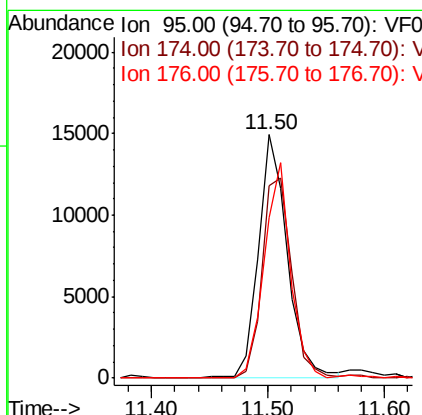
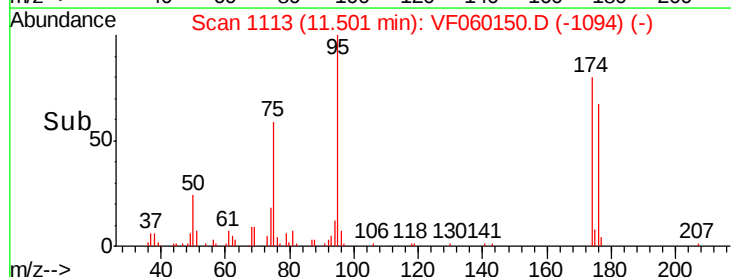
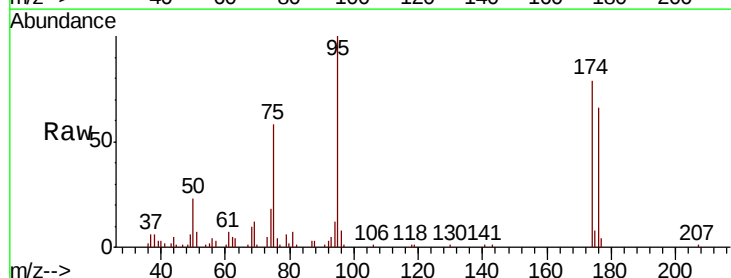
Tgt Ion: 95 Resp: 25665

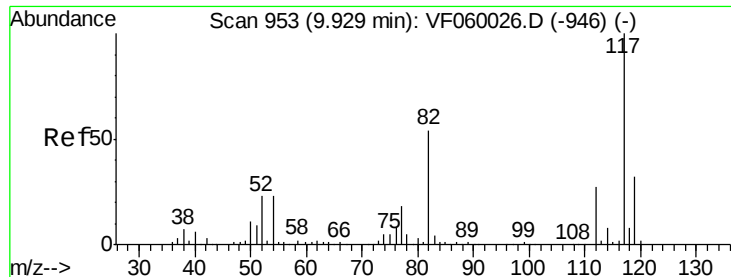
Ion Ratio Lower Upper

95 100

174 79.1 0.0 158.4

176 66.1 0.0 153.0





#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF060150.D
Acq: 28 Aug 2018 15:23

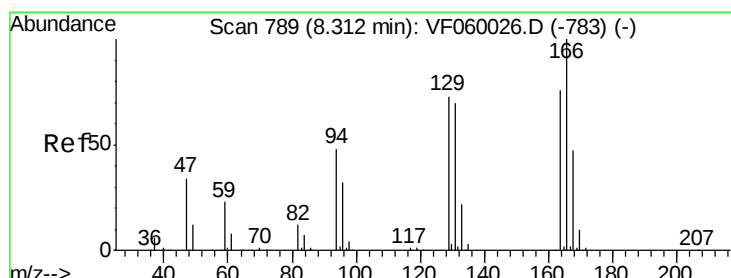
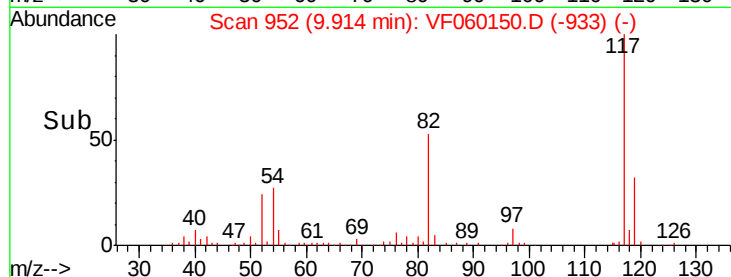
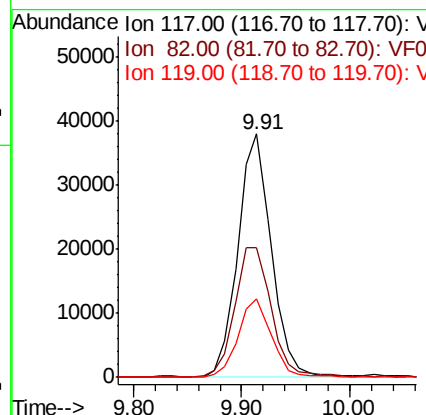
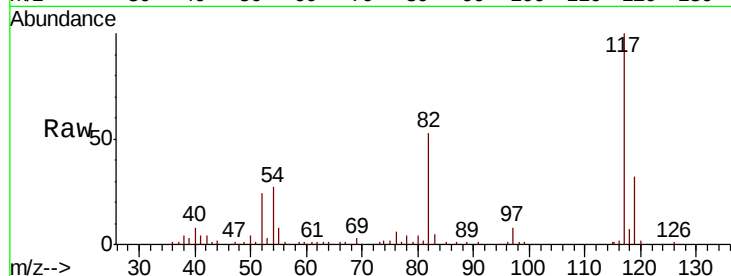
Instrument :
MSVOA_F
ClientSampleId :
SU-02-082318-BRE

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	43.6	65.4
119	32.5	25.6	38.4

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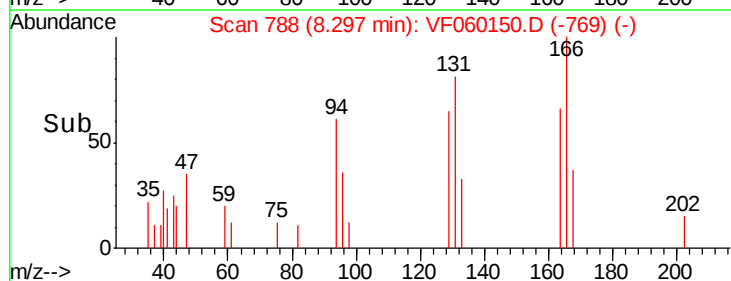
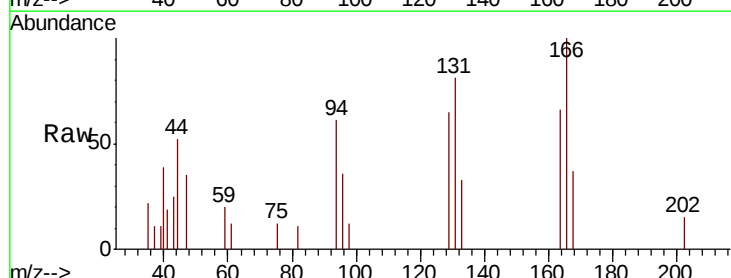
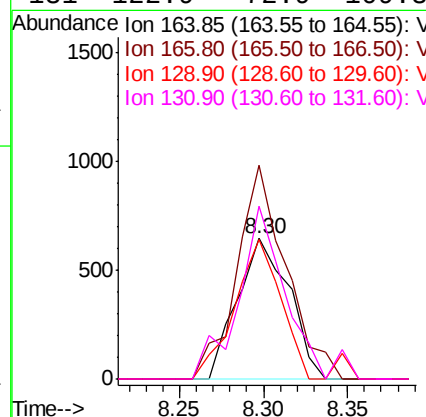
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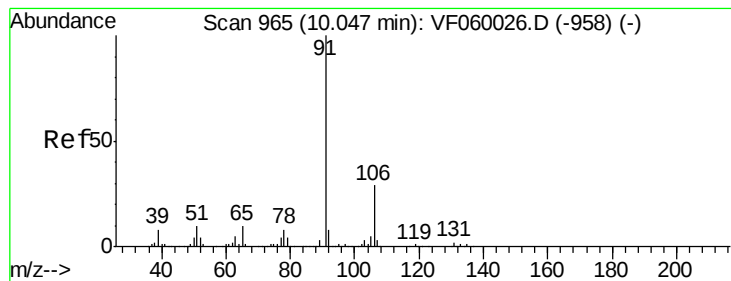
8/29/2018 11:03:39 AM



#64
Tetrachloroethene
Concen: 2.51 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF060150.D
Acq: 28 Aug 2018 15:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	152.1	104.7	157.1
129	99.4	77.0	115.4
131	122.9	72.9	109.3#





#67
Ethyl Benzene
Concen: 5.40 ug/l
RT: 10.03 min Scan# 964
Delta R.T. -0.01 min
Lab File: VF060150.D
Acq: 28 Aug 2018 15:23

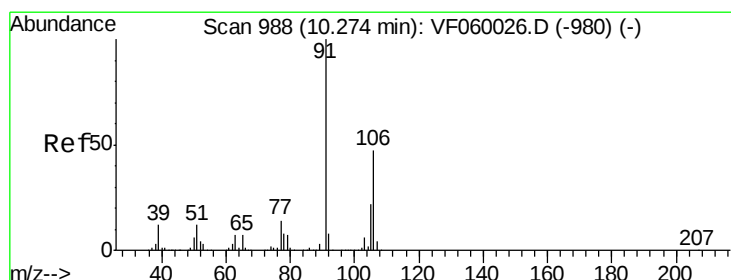
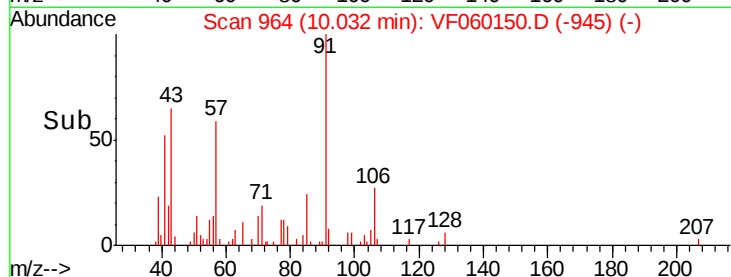
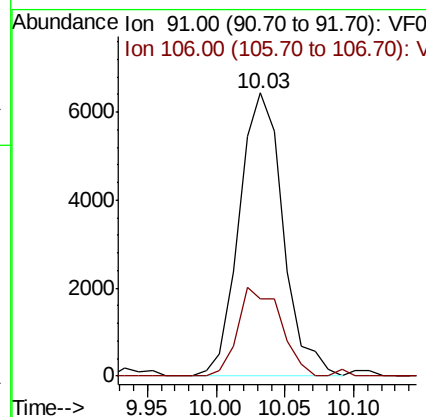
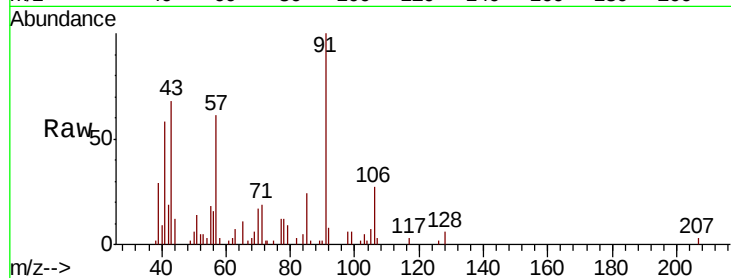
Instrument :
MSVOA_F
ClientSampleId :
SU-02-082318-BRE

Tot Ion: 91 Resp: 14330
Ion Ratio Lower Upper
91 100
106 27.1 23.6 35.4

Manual Integrations
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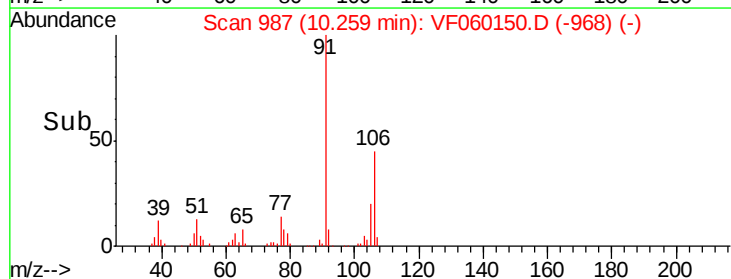
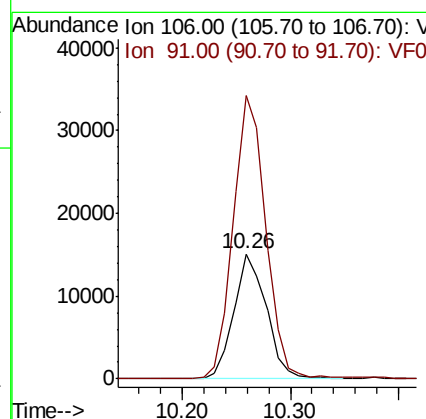
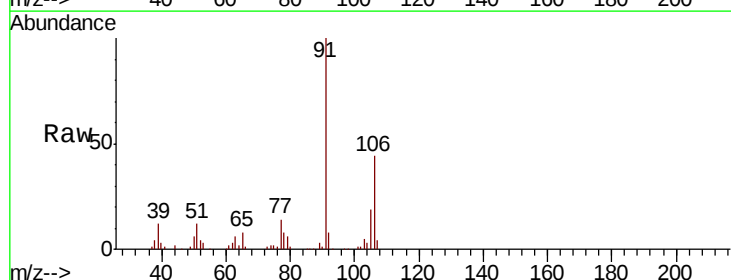
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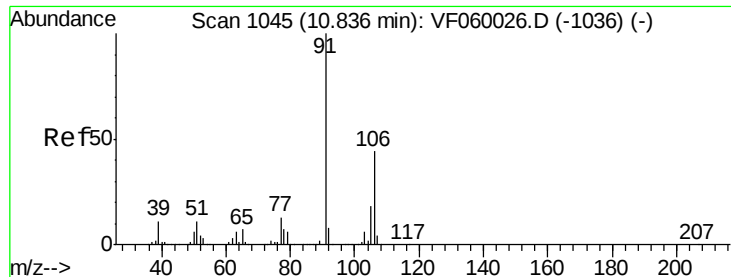
8/29/2018 11:03:39 AM



#68
m/p-Xylenes
Concen: 29.58 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF060150.D
Acq: 28 Aug 2018 15:23

Tgt Ion: 106 Resp: 31547
Ion Ratio Lower Upper
106 100
91 226.1 171.8 257.8





#69
o-Xylene
Concen: 18.56 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF060150.D
Acq: 28 Aug 2018 15:23

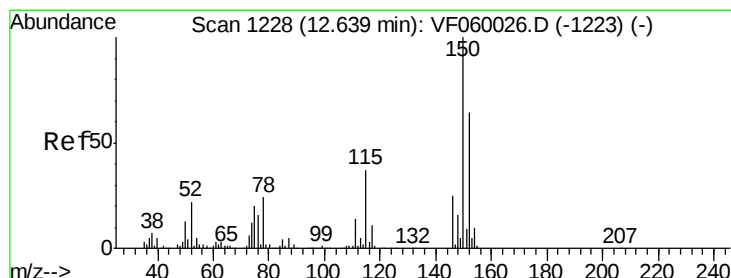
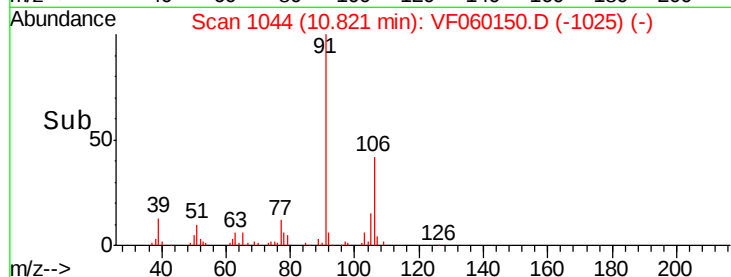
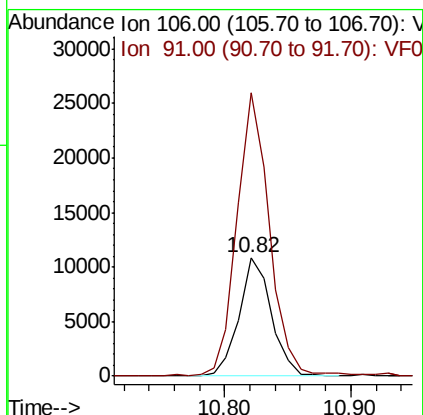
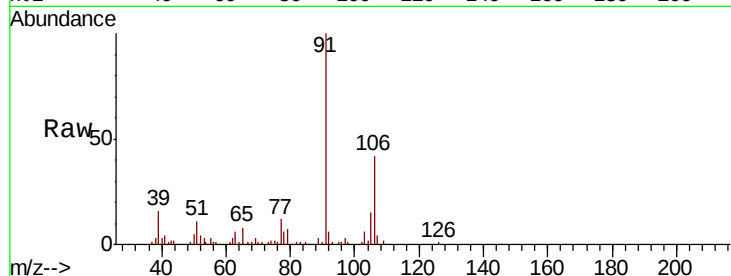
Instrument :
MSVOA_F
ClientSampleId :
SU-02-082318-BRE

Tot Ion	Ratio	Lower	Upper
106	100		
91	238.6	112.5	337.5

Manual Integrations
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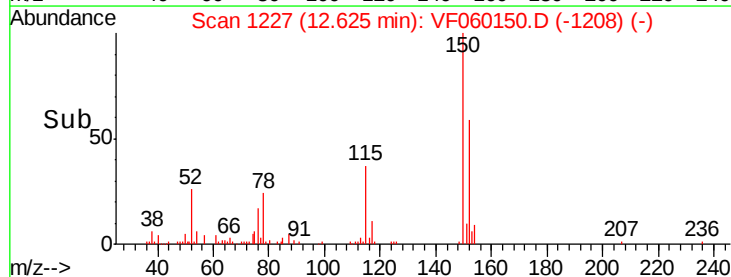
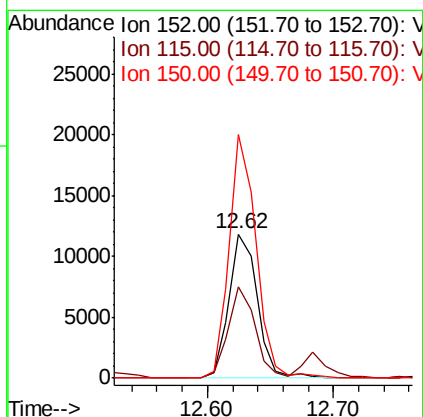
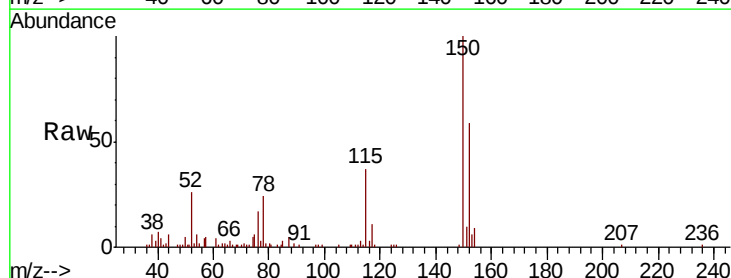
apatel

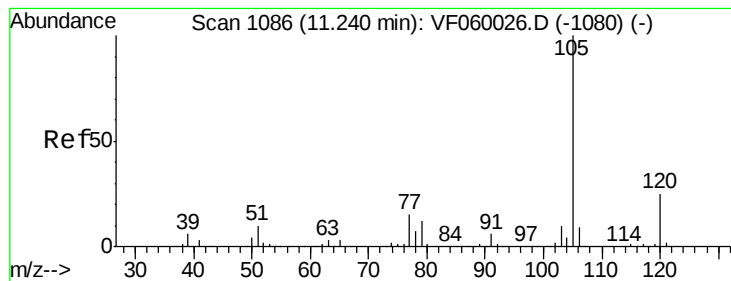
8/29/2018 11:03:39 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF060150.D
Acq: 28 Aug 2018 15:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.1	28.6	85.9
150	169.1	0.0	312.0





#73

Isopropylbenzene

Concen: 6.39 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF060150.D

Acq: 28 Aug 2018 15:23

Instrument :

MSVOA_F

ClientSampleId :

SU-02-082318-BRE

Tot Ion: 105 Resp: 7081

Ion Ratio Lower Upper

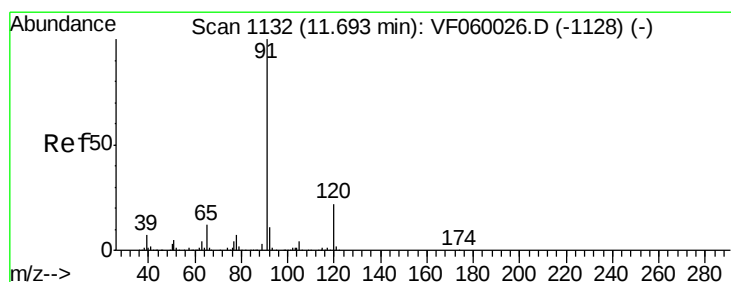
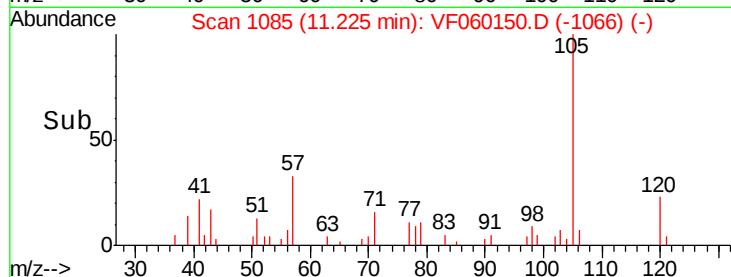
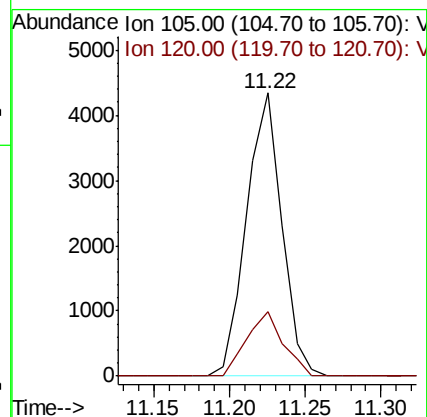
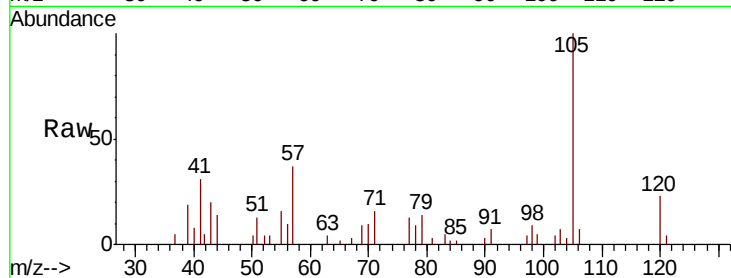
105 100

120 22.8 12.7 38.0

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#78

n-propylbenzene

Concen: 15.06 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF060150.D

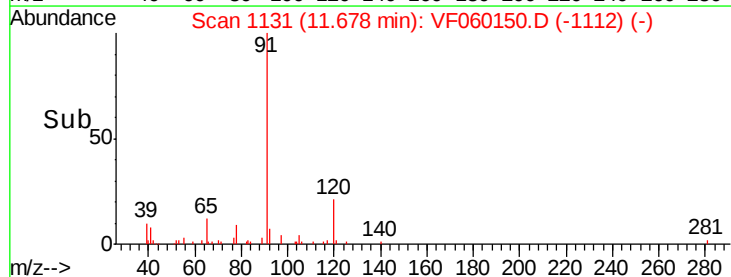
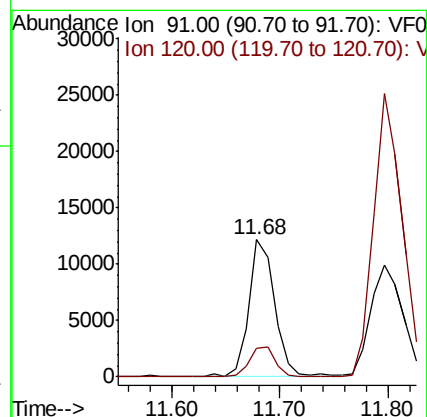
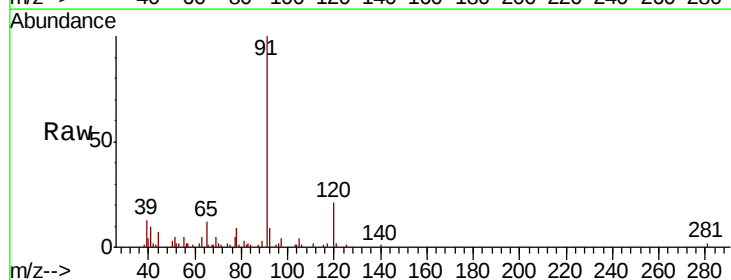
Acq: 28 Aug 2018 15:23

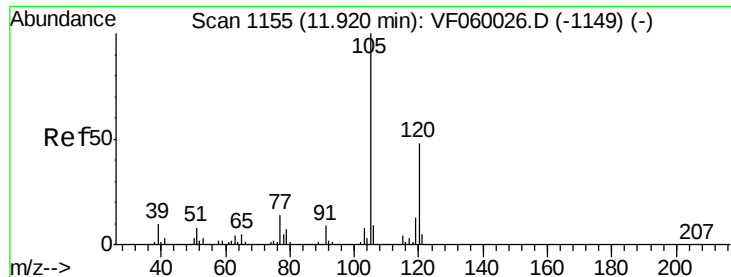
Tgt Ion: 91 Resp: 20598

Ion Ratio Lower Upper

91 100

120 21.0 10.9 32.7





#80

1,3,5-Trimethylbenzene

Concen: 115.25 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF060150.D

Acq: 28 Aug 2018 15:23

Instrument :

MSVOA_F

ClientSampleId :

SU-02-082318-BRE

Tot Ion:105 Resp: 111261

Ion Ratio Lower Upper

105 100

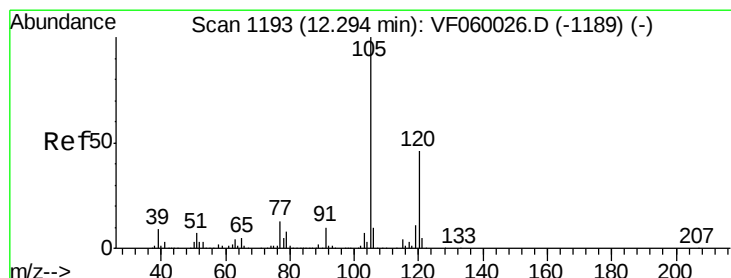
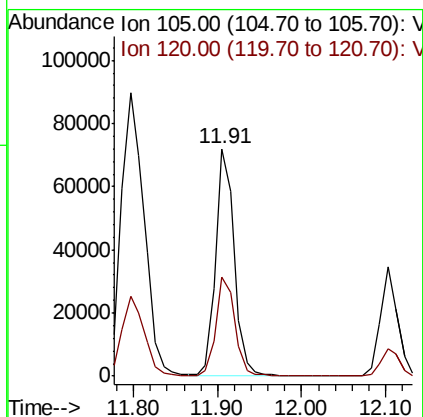
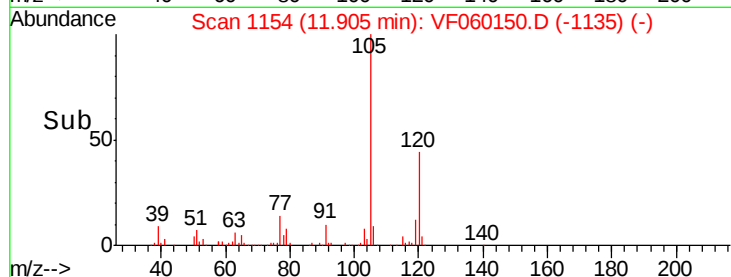
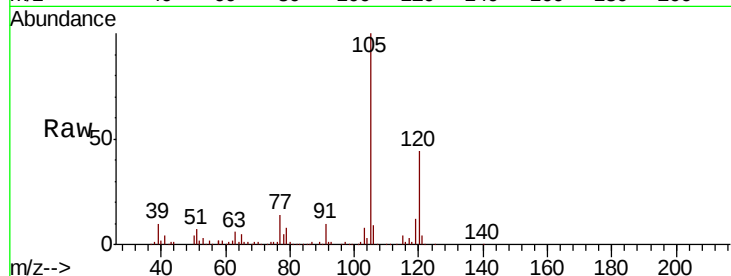
120 43.9 23.8 71.5

Manual Integrations

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#84

1,2,4-Trimethylbenzene

Concen: 180.39 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF060150.D

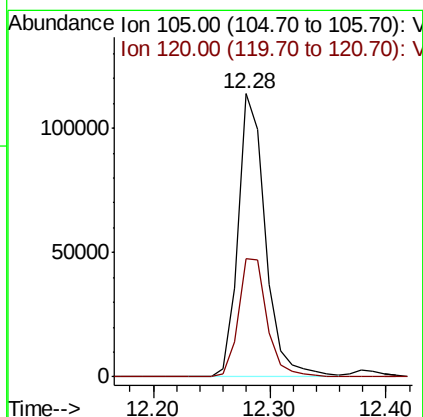
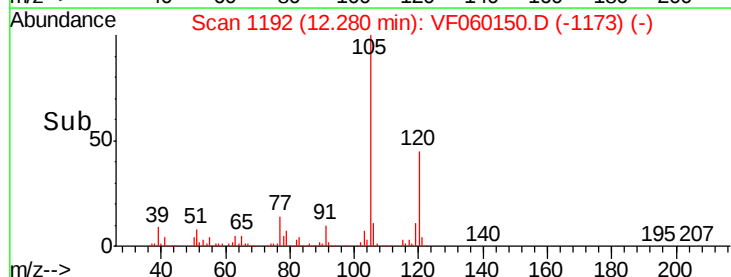
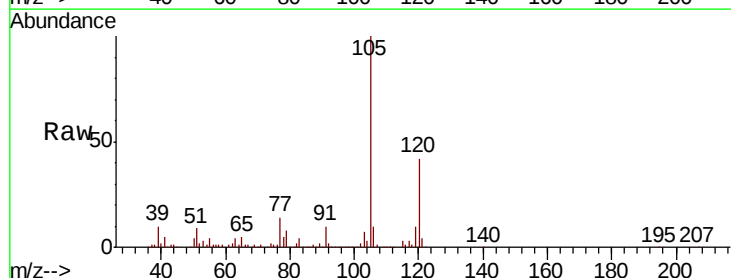
Acq: 28 Aug 2018 15:23

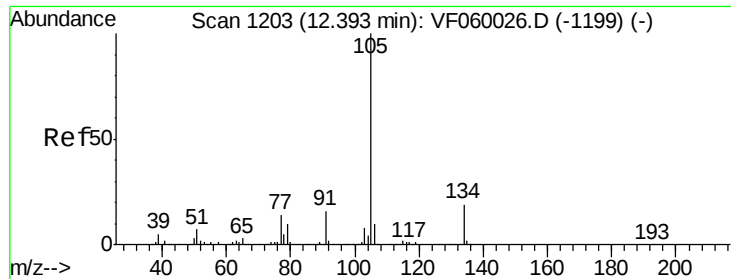
Tgt Ion:105 Resp: 185129

Ion Ratio Lower Upper

105 100

120 41.9 23.3 69.8





#85

sec-Butylbenzene

Concen: 3.53 ug/l m

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF060150.D

Acq: 28 Aug 2018 15:23

Instrument :

MSVOA_F

ClientSampleId :

SU-02-082318-BRE

Tot Ion:105 Resp: 4628

Ion Ratio Lower Upper

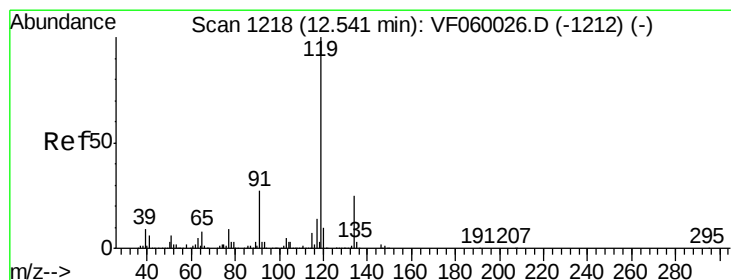
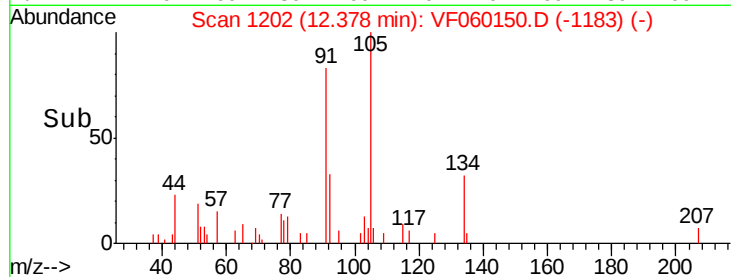
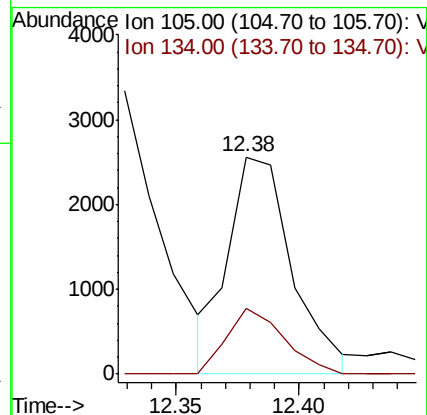
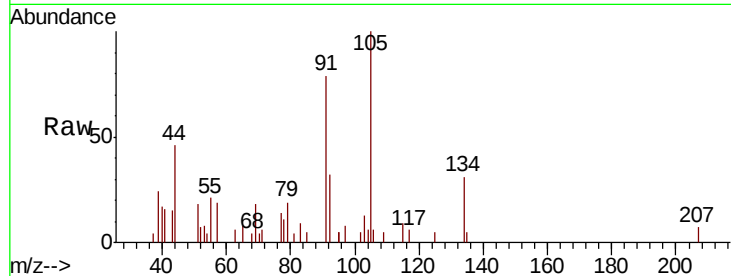
105 100

134 30.5 9.3 27.9#

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 16.40 ug/l m

RT: 12.51 min Scan# 1215

Delta R.T. -0.03 min

Lab File: VF060150.D

Acq: 28 Aug 2018 15:23

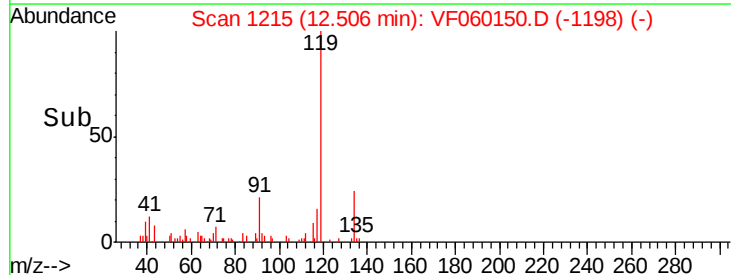
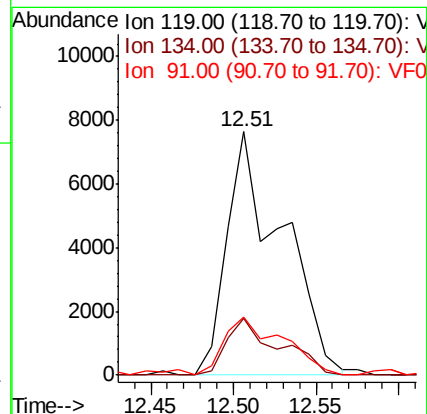
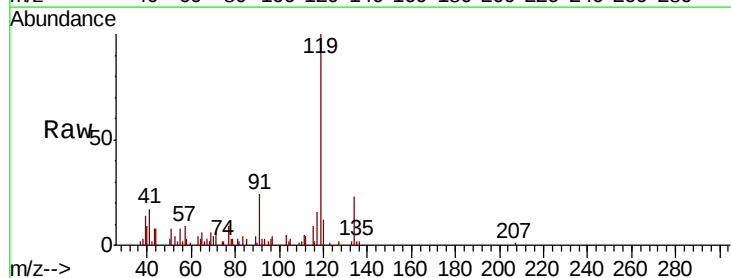
Tgt Ion:119 Resp: 17834

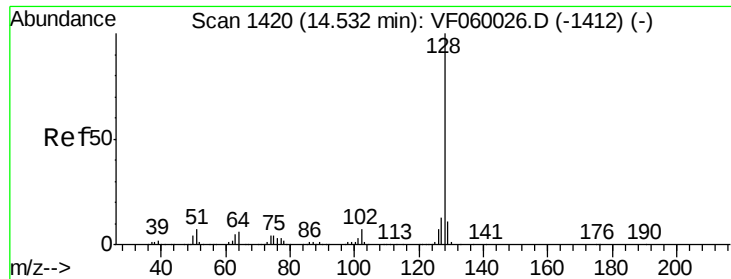
Ion Ratio Lower Upper

119 100

134 23.5 12.4 37.2

91 23.7 13.5 40.4





#95
Naphthalene
Concen: 14.01 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF060150.D
Acq: 28 Aug 2018 15:23

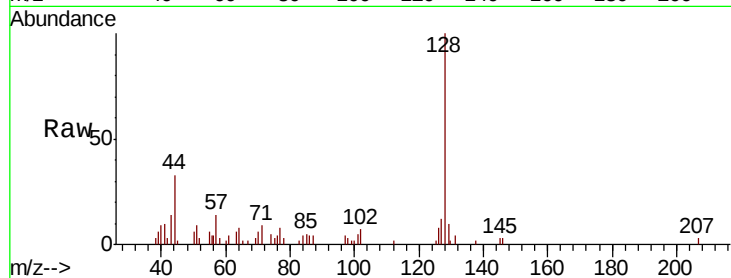
Instrument :
MSVOA_F
ClientSampleId :
SU-02-082318-BRE

Tot Ion:	128	Resp:	8412
Ion Ratio	Lower	Upper	
128	100		
127	11.9	10.4	15.6
129	10.4	8.5	12.7

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

