

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030119\
 Data File : VF061805.D
 Acq On : 1 Mar 2019 16:24
 Operator : VA/AP
 Sample : K1341-07
 Misc : 4.67g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 HR-06-022719-A

Manual Integrations
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 3/4/2019 4:01:00 PM

Quant Time: Mar 02 03:10:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	90117	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.59	114	138595	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	46536	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	39222	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	48314	73.11	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	146.22%	
35) Dibromofluoromethane	4.10	113	64110	62.29	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	124.58%	
50) Toluene-d8	7.54	98	83489	28.22	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	56.44%	
62) 4-Bromofluorobenzene	11.48	95	248255	207.37	ug/l	0.06
Spiked Amount 50.000			Recovery	=	414.74%	
Target Compounds						
					Qvalue	
16) Acetone	2.24	43	15700	110.730	ug/l #	87
20) Methylene Chloride	2.17	84	16448m	20.144	ug/l	
39) Methylcyclohexane	5.44	83	12999	8.006	ug/l #	85
52) Toluene	7.61	92	182491	83.789	ug/l	99
67) Ethyl Benzene	9.89	91	712268	453.559	ug/l	99
68) m/p-Xylenes	10.12	106	1241555	2065.773	ug/l	87
69) o-Xylene	10.71	106	994442	1550.636	ug/l	87
73) Isopropylbenzene	11.11	105	515644	184.651	ug/l	99
78) n-propylbenzene	11.58	91	1309322	408.587	ug/l	100
80) 1,3,5-Trimethylbenzene	11.82	105	1718383	769.919	ug/l	92
83) tert-Butylbenzene	12.13	119	62838	25.419	ug/l	87
84) 1,2,4-Trimethylbenzene	12.20	105	3060730	1380.347	ug/l	87
85) sec-Butylbenzene	12.30	105	816671	255.467	ug/l	87
86) p-Isopropyltoluene	12.45	119	660690m	246.262	ug/l	
89) n-Butylbenzene	12.84	91	699322	276.042	ug/l #	78
95) Naphthalene	14.44	128	459749	286.576	ug/l #	84

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

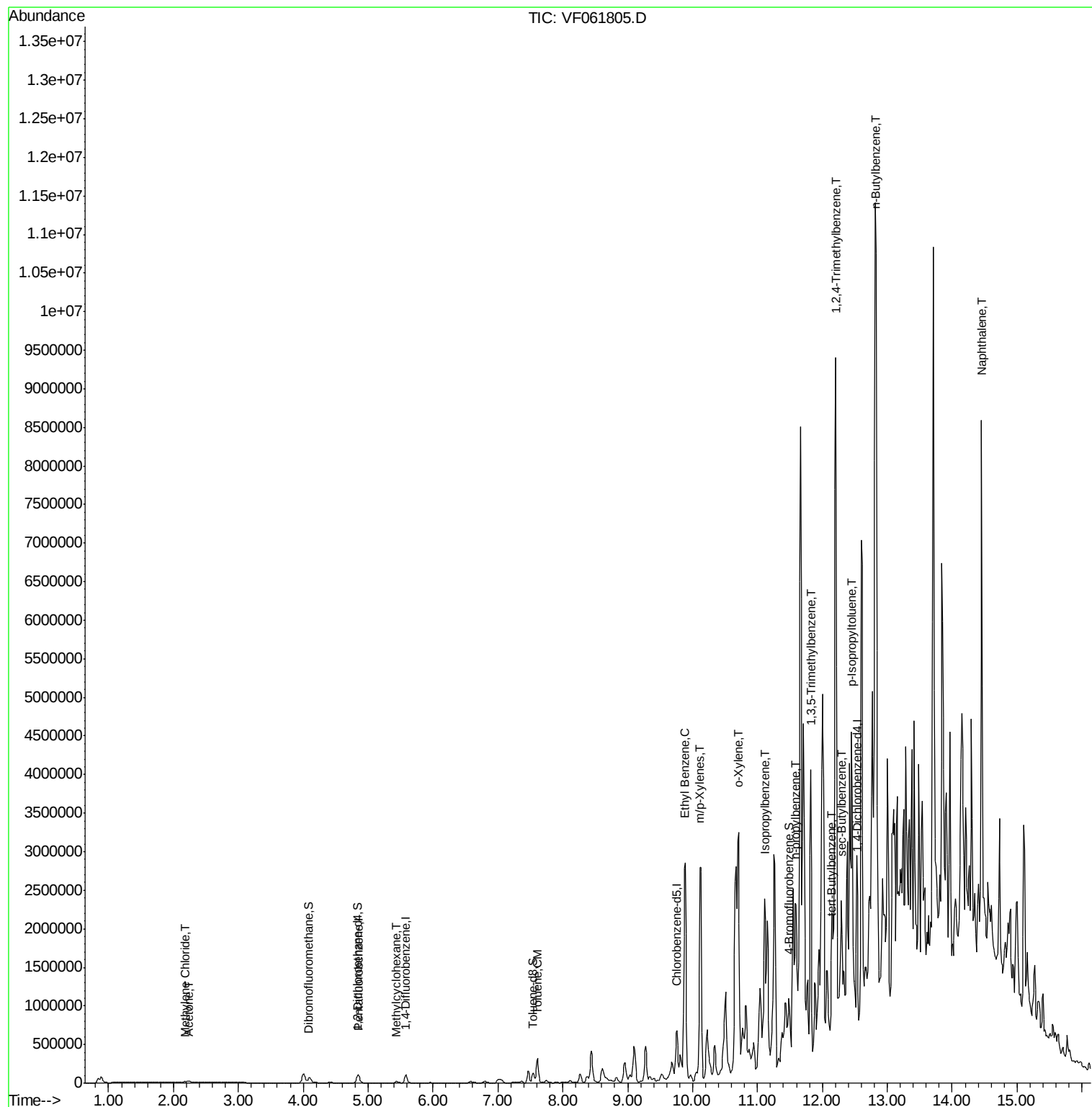
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF030119\
Data File : VF061805.D
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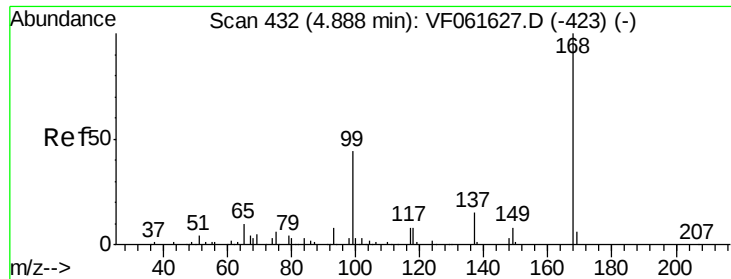
Instrument :
MSVOA_F
ClientSampleId :
HR-06-022719-A

Manual Integrations
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Quant Time: Mar 02 03:10:12 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 03:27:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.04 min

Lab File: VF061805.D

Acq: 1 Mar 2019 16:24

Instrument :

MSVOA_F

ClientSampleId :

HR-06-022719-A

Tot Ion:168 Resp: 90117

Ion Ratio Lower Upper

168 100

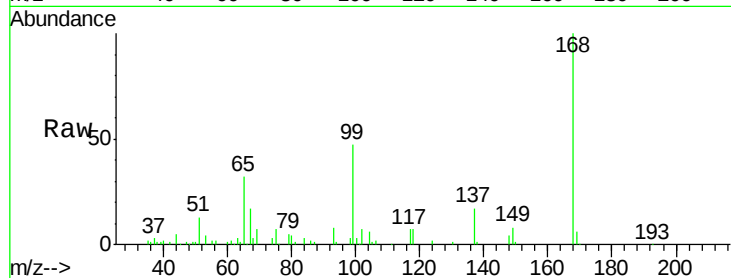
99 47.2 34.9 52.3

Manual Integrations

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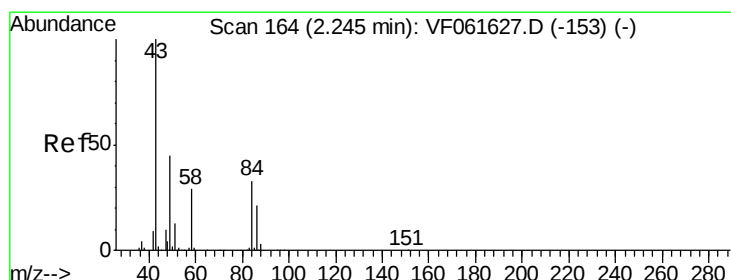
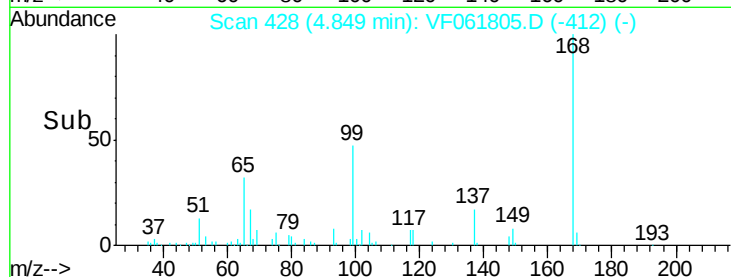
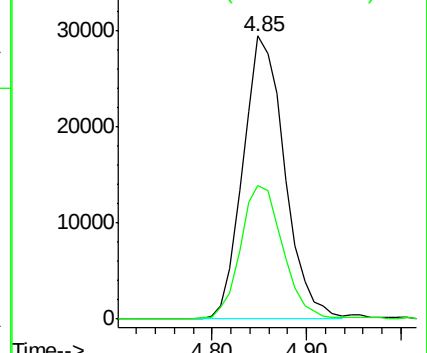
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#16

Acetone

Concen: 110.730 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF061805.D

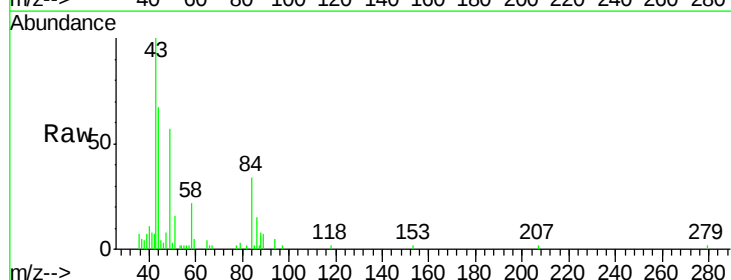
Acq: 1 Mar 2019 16:24

Tgt Ion: 43 Resp: 15700

Ion Ratio Lower Upper

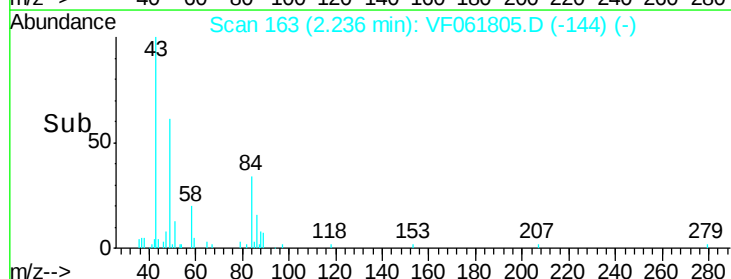
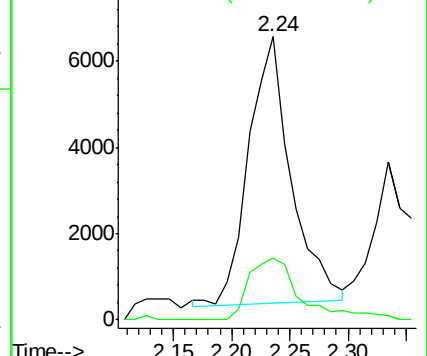
43 100

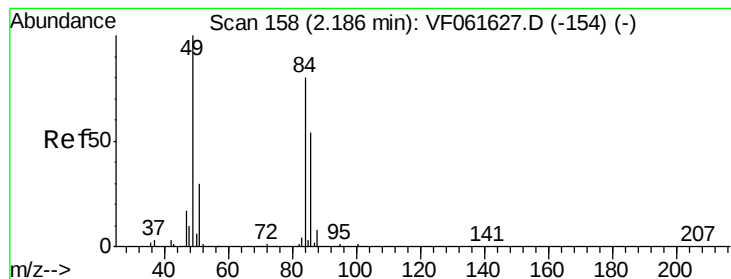
58 21.7 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#20

Methylene Chloride

Concen: 20.144 ug/l m

RT: 2.17 min Scan# 156

Delta R.T. -0.02 min

Lab File: VF061805.D

Acq: 1 Mar 2019 16:24

Instrument :

MSVOA_F

ClientSampleId :

HR-06-022719-A

Tot Ion: 84 Resp: 16448

Ion Ratio Lower Upper

84 100

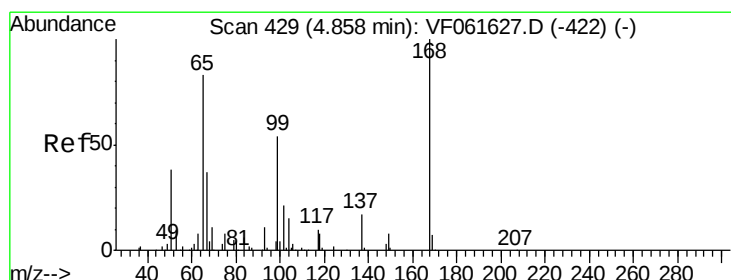
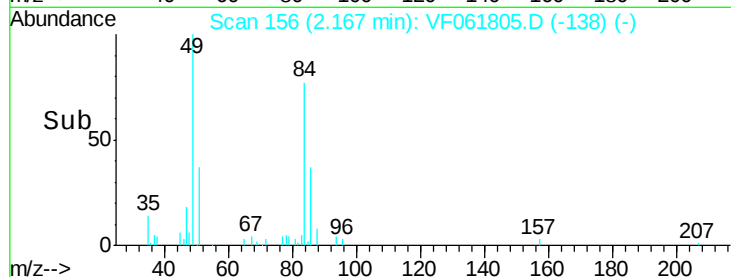
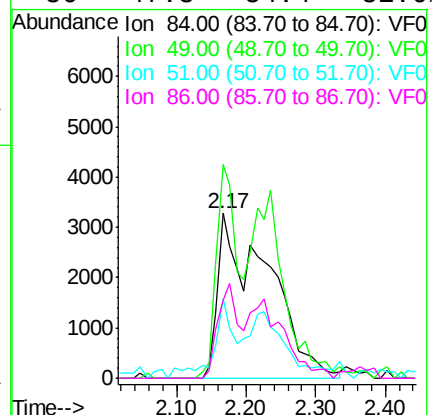
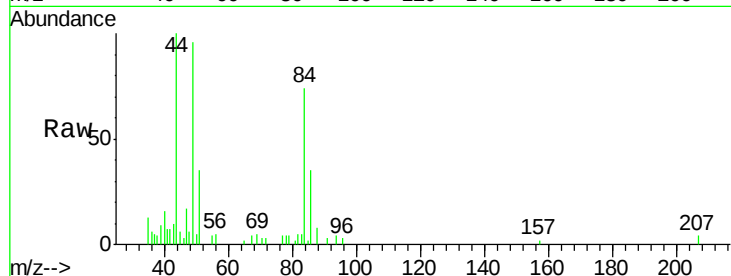
49 129.7 101.8 152.8

51 48.0 31.1 46.7#

86 47.8 54.4 81.6#

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#33

1,2-Dichloroethane-d4

Concen: 73.110 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.03 min

Lab File: VF061805.D

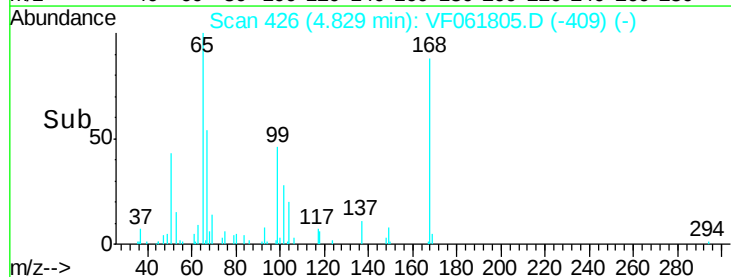
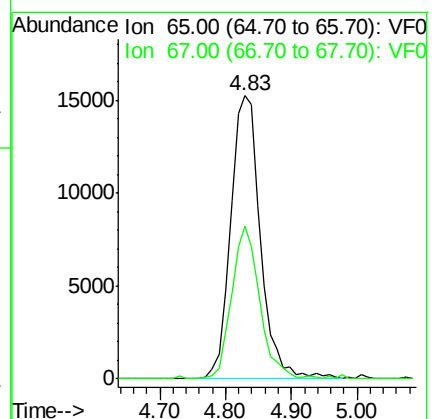
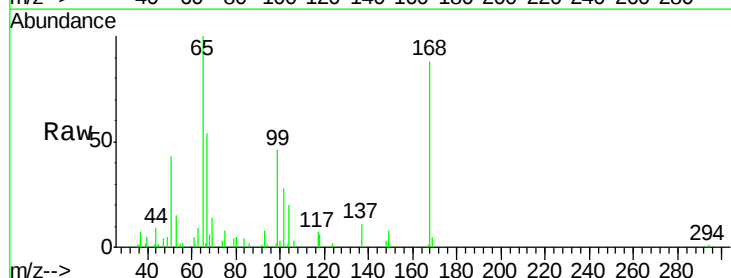
Acq: 1 Mar 2019 16:24

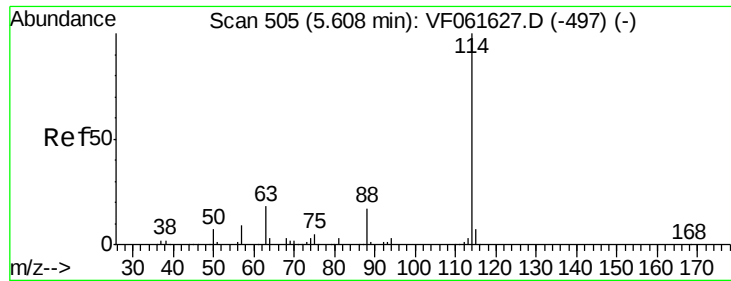
Tgt Ion: 65 Resp: 48314

Ion Ratio Lower Upper

65 100

67 53.9 0.0 104.0





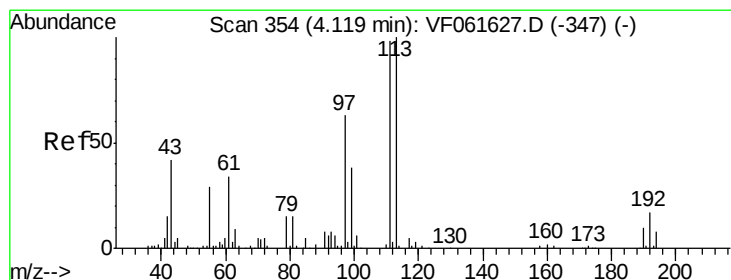
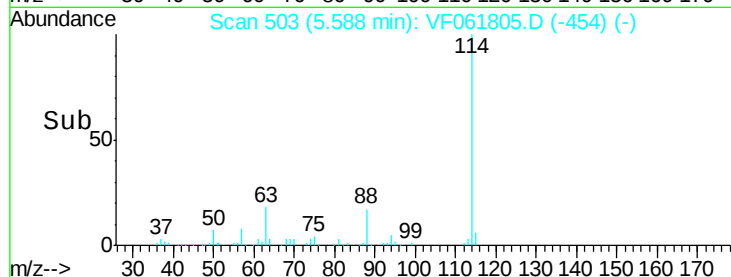
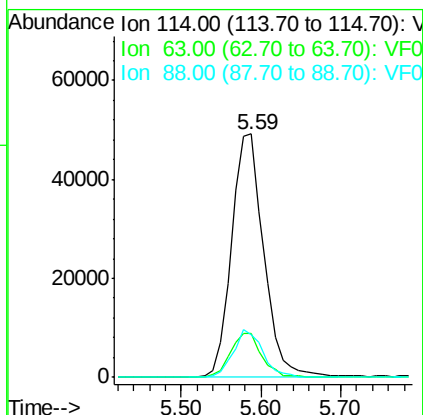
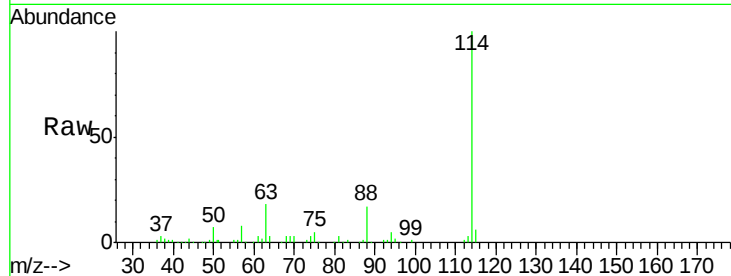
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.02 min
 Lab File: VF061805.D
 Acq: 1 Mar 2019 16:24

Instrument :
 MSVOA_F
 ClientSampleId :
 HR-06-022719-A

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	18.3	0.0	36.6
88	17.3	0.0	34.4

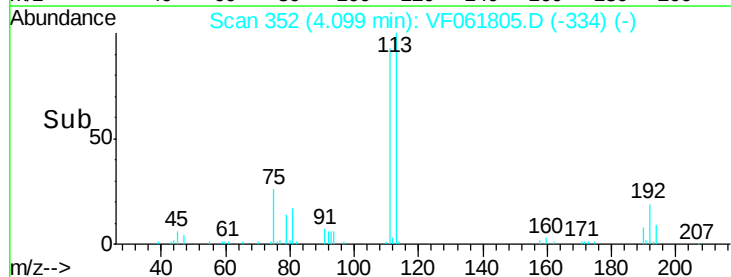
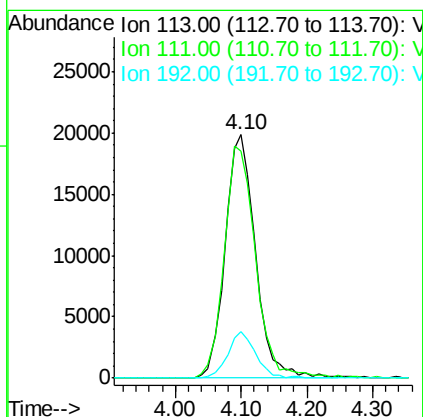
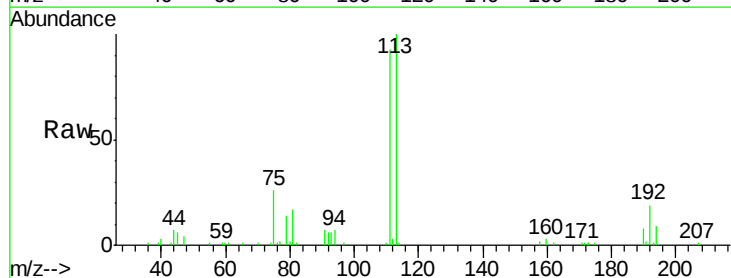
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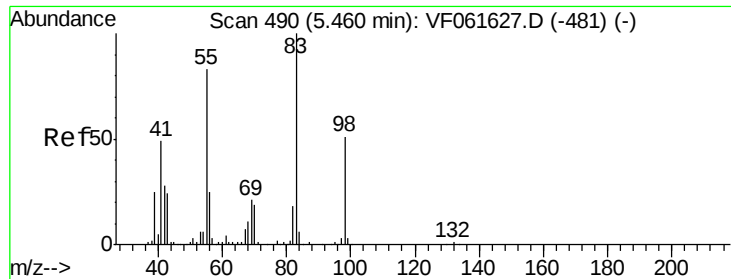
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#35
 Dibromofluoromethane
 Concen: 62.290 ug/l
 RT: 4.10 min Scan# 352
 Delta R.T. -0.02 min
 Lab File: VF061805.D
 Acq: 1 Mar 2019 16:24

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	93.3	78.8	118.2
192	19.1	13.4	20.0





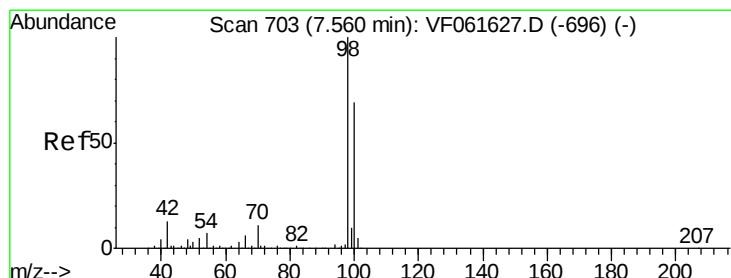
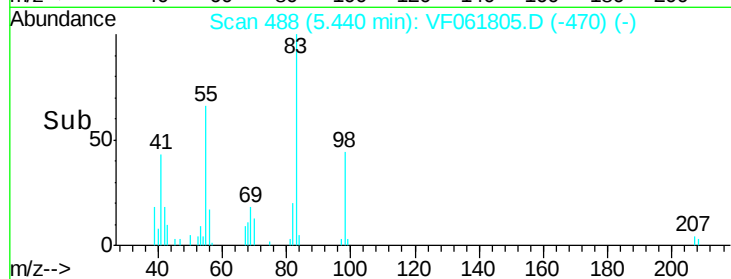
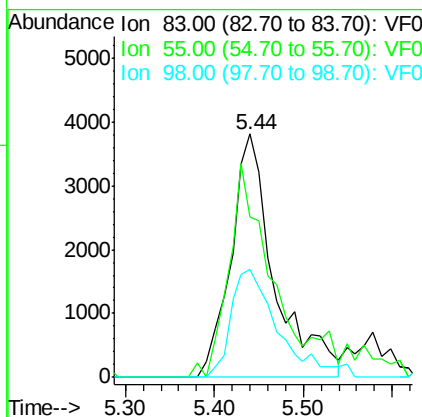
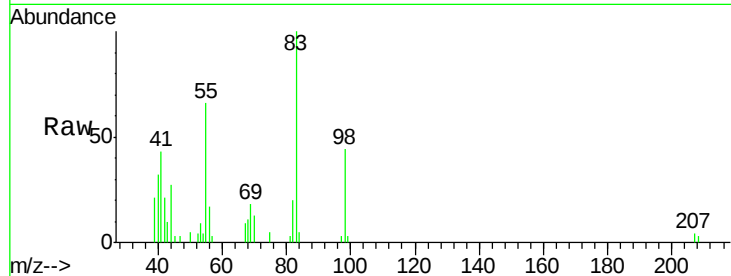
#39
Methvlcvclohexane
Concen: 8.006 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.02 min
Lab File: VF061805.D
Acq: 1 Mar 2019 16:24

Instrument :
MSVOA_F
ClientSampleId :
HR-06-022719-A

Tot Ion	83	Resp	12999
Ion Ratio	Lower	Upper	
83	100		
55	65.9	66.6	99.8#
98	44.3	40.4	60.6

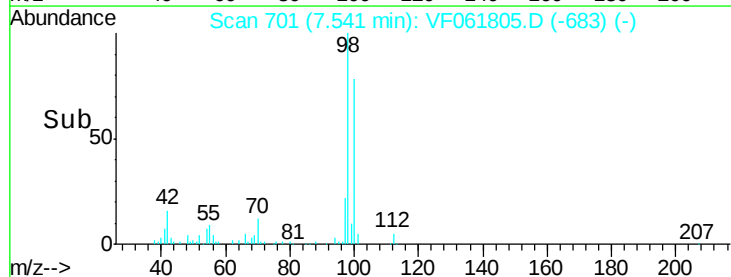
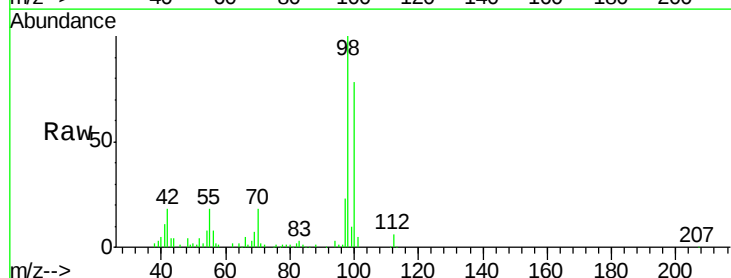
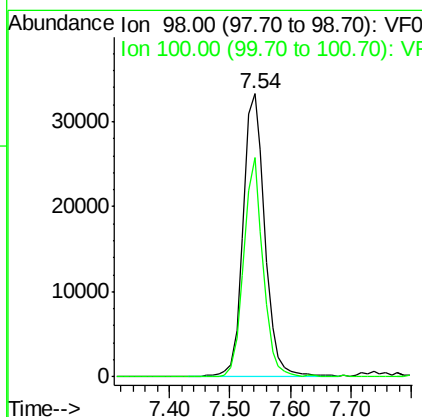
Manual Integrations
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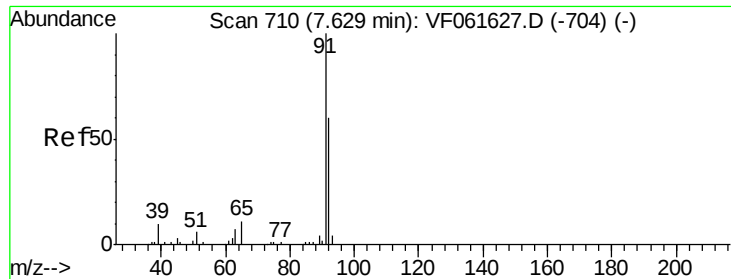
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#50
Toluene-d8
Concen: 28.218 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.02 min
Lab File: VF061805.D
Acq: 1 Mar 2019 16:24

Tgt Ion	98	Resp	83489
Ion Ratio	Lower	Upper	
98	100		
100	77.7	55.4	83.2





#52

Toluene

Concen: 83.789 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.02 min

Lab File: VF061805.D

Acq: 1 Mar 2019 16:24

Instrument :

MSVOA_F

ClientSampleId :

HR-06-022719-A

Tot Ion: 92 Resp: 182491

Ion Ratio Lower Upper

92 100

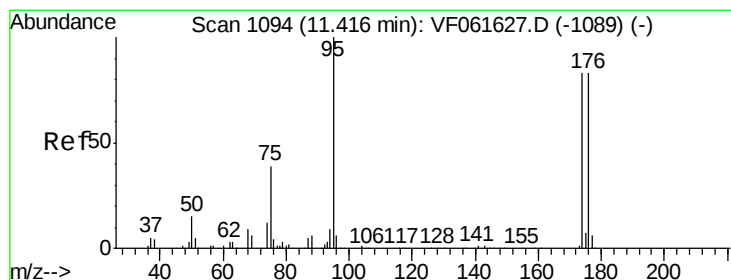
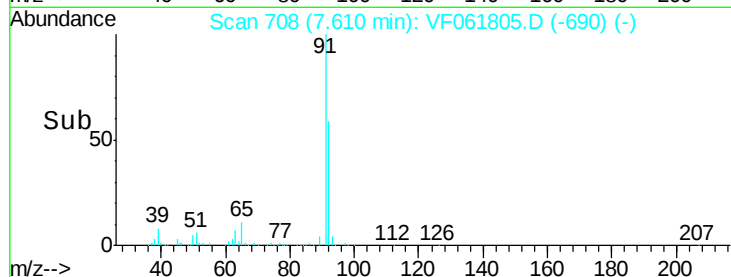
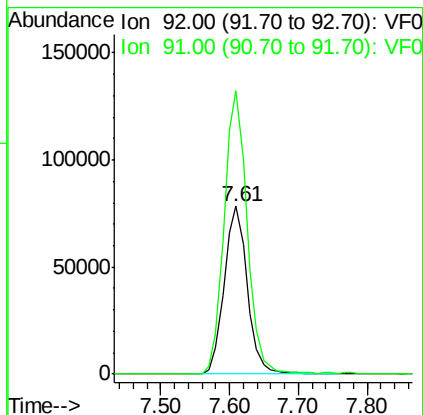
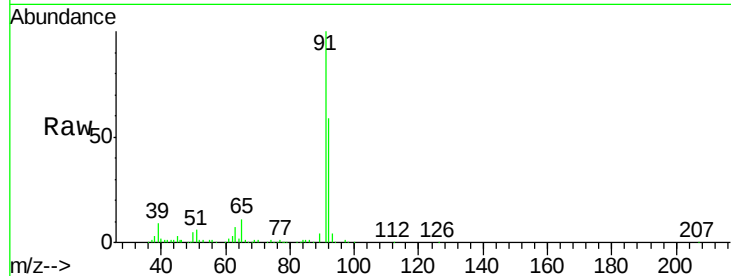
91 168.5 133.9 200.9

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 207.373 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. 0.06 min

Lab File: VF061805.D

Acq: 1 Mar 2019 16:24

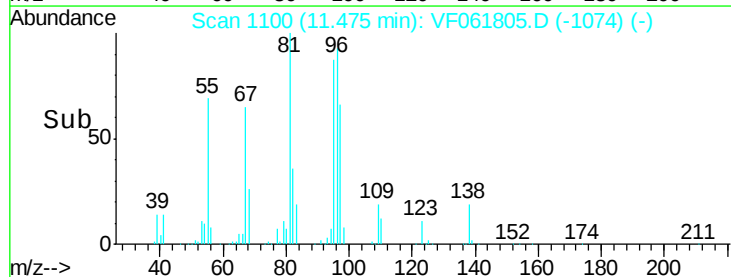
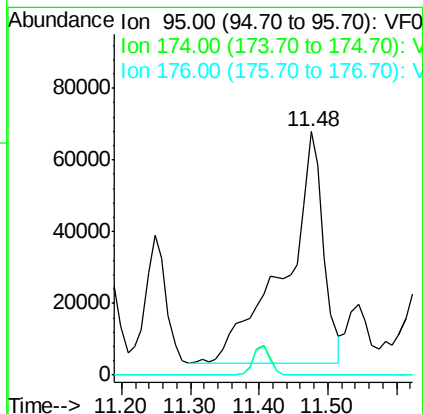
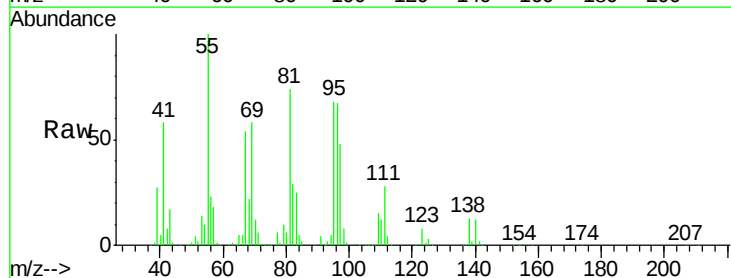
Tgt Ion: 95 Resp: 248255

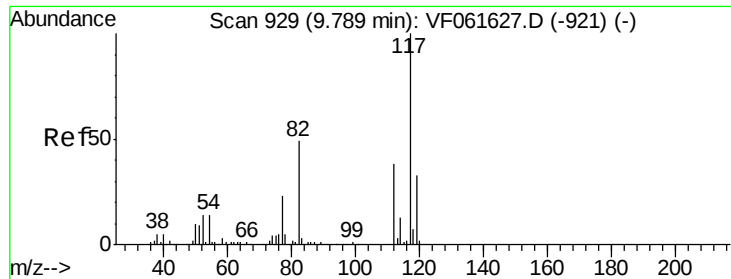
Ion Ratio Lower Upper

95 100

174 0.2 0.0 165.8

176 0.0 0.0 167.0





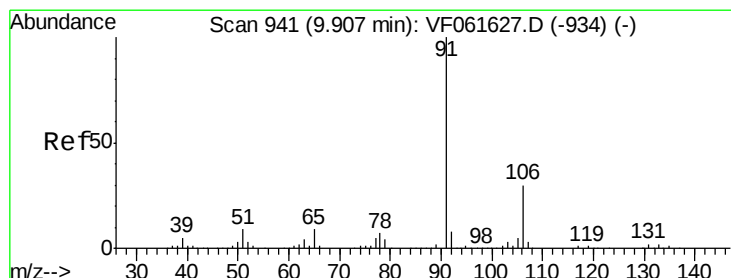
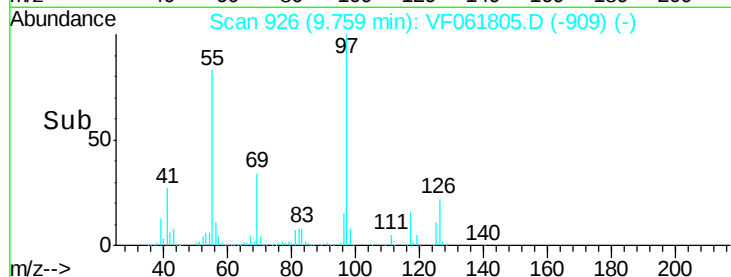
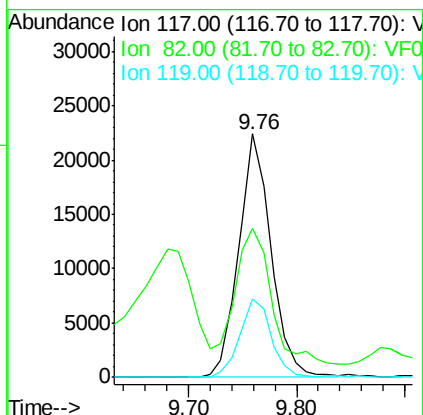
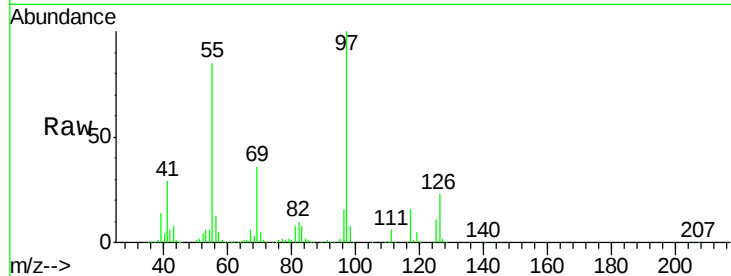
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.03 min
Lab File: VF061805.D
Acq: 1 Mar 2019 16:24

Instrument :
MSVOA_F
ClientSampleId :
HR-06-022719-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
117	100		46536		
82	61.4	39.3		58.9#	
119	32.2	26.6		40.0	

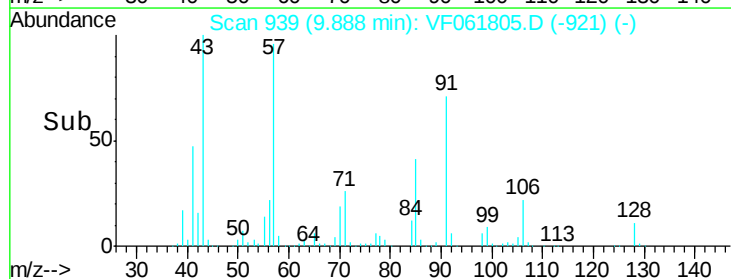
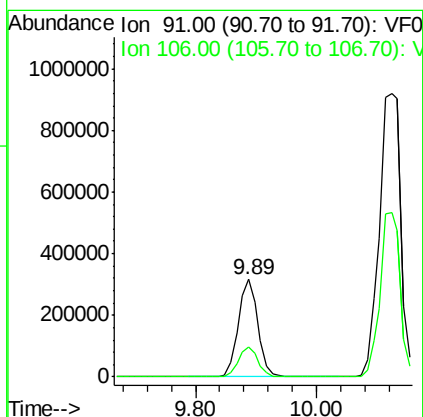
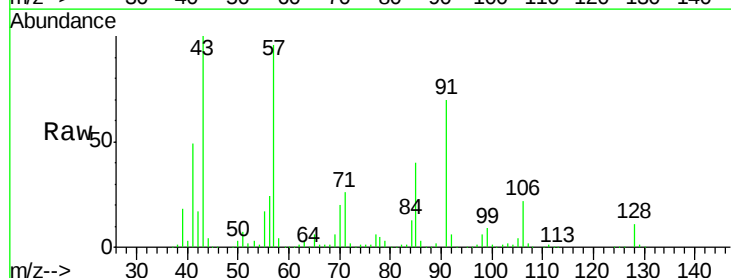
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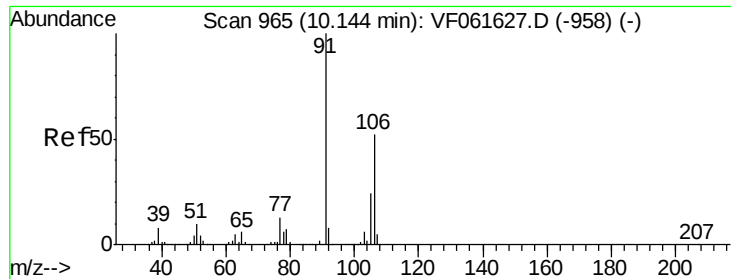
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#67
Ethyl Benzene
Concen: 453.559 ug/l
RT: 9.89 min Scan# 939
Delta R.T. -0.02 min
Lab File: VF061805.D
Acq: 1 Mar 2019 16:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		712268		
106	30.6	24.1		36.1	





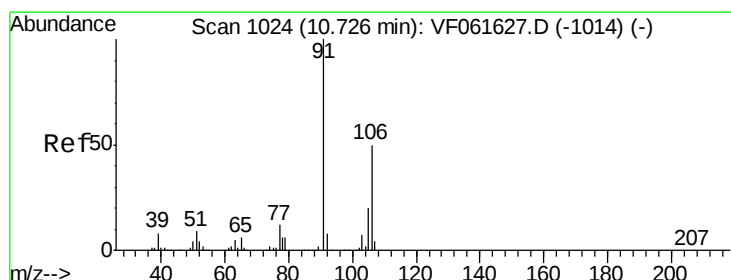
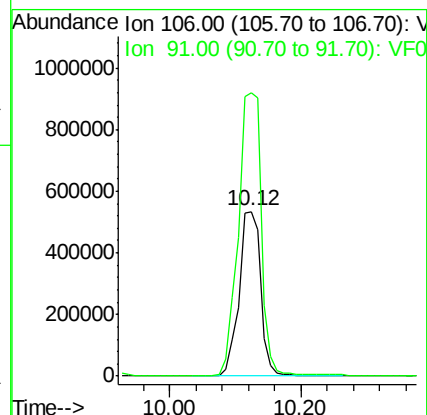
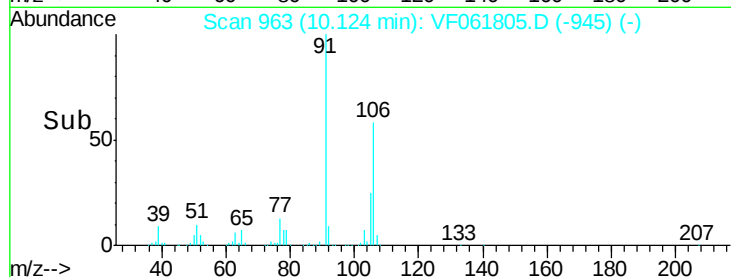
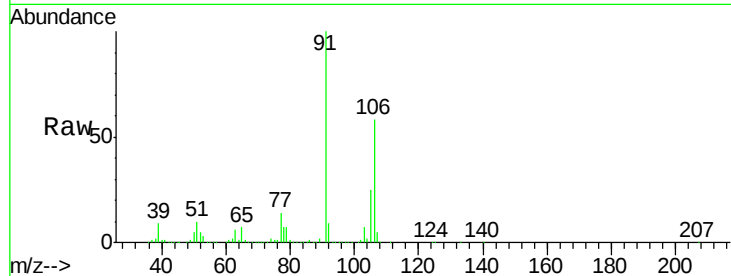
#68
m/p-Xylenes
Concen: 2065.773 ug/l
RT: 10.12 min Scan# 963
Delta R.T. -0.02 min
Lab File: VF061805.D
Acq: 1 Mar 2019 16:24

Instrument :
MSVOA_F
ClientSampleId :
HR-06-022719-A

Tot Ion:106 Resp: 1241555
Ion Ratio Lower Upper
106 100
91 171.9 153.0 229.6

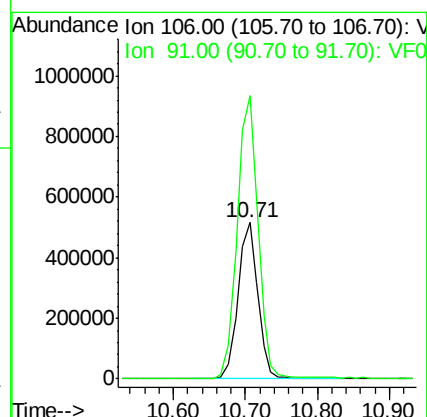
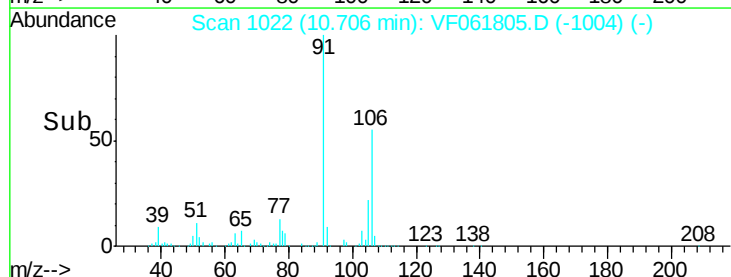
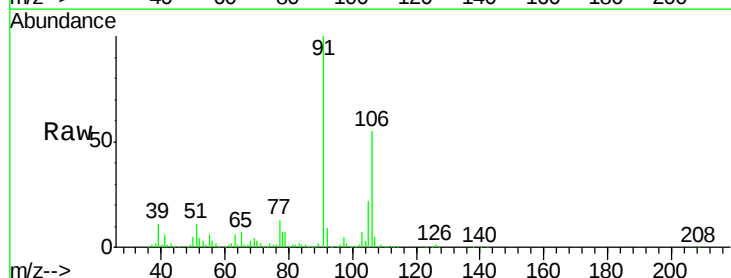
Manual Integrations
APPROVED

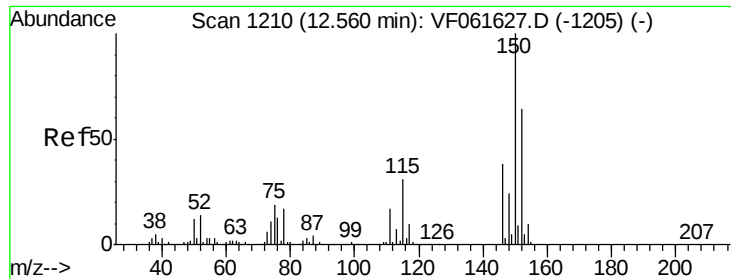
MMDadoda
3/4/2019 4:01:00 PM



#69
o-Xylene
Concen: 1550.636 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.02 min
Lab File: VF061805.D
Acq: 1 Mar 2019 16:24

Tgt Ion:106 Resp: 994442
Ion Ratio Lower Upper
106 100
91 180.7 100.1 300.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF061805.D

Acq: 1 Mar 2019 16:24

Instrument :

MSVOA_F

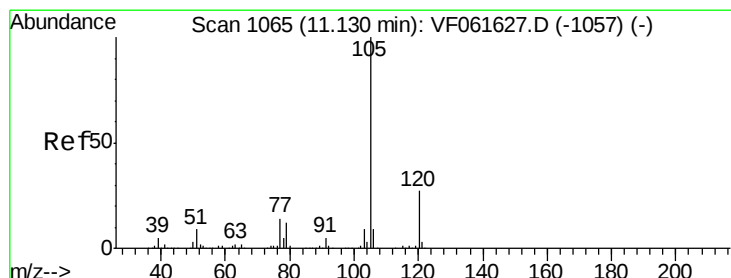
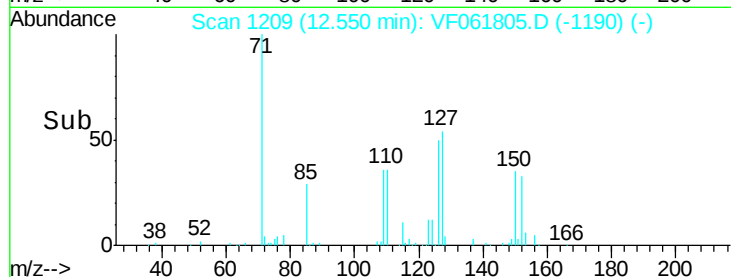
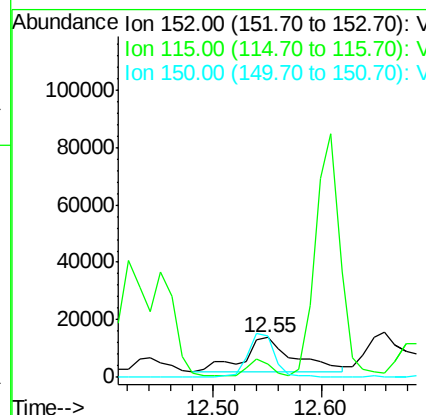
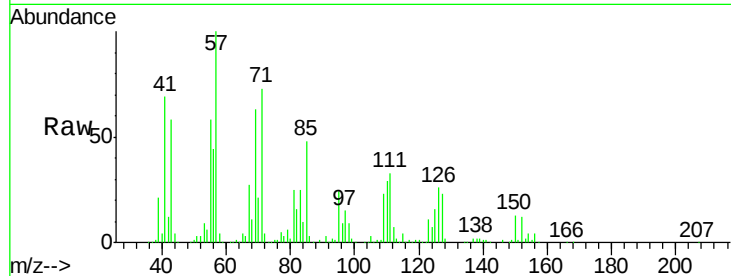
ClientSampleId :

HR-06-022719-A

Tot Ion:	152	Resp:	39222
Ion Ratio	Lower	Upper	
152	100		
115	34.5	24.3	72.8
150	103.6	0.0	312.0

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#73

Isopropylbenzene

Concen: 184.651 ug/l

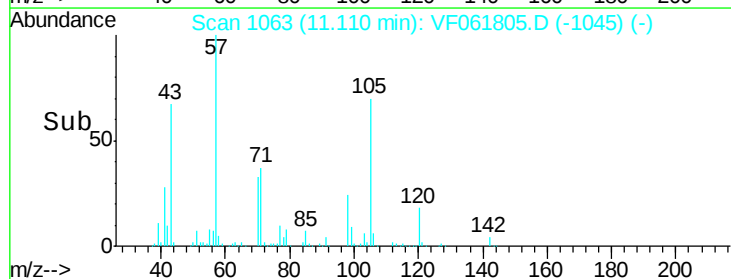
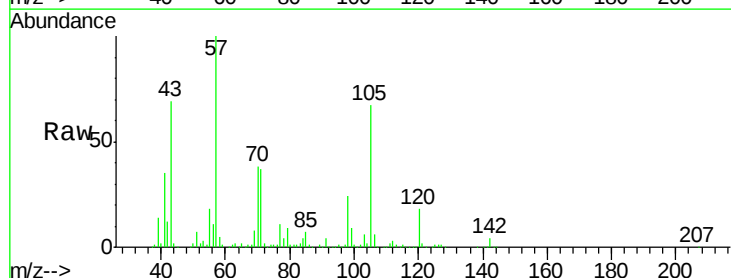
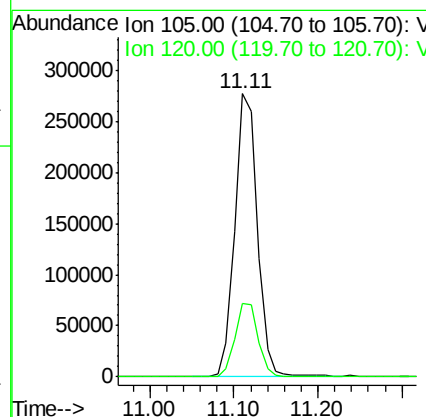
RT: 11.11 min Scan# 1063

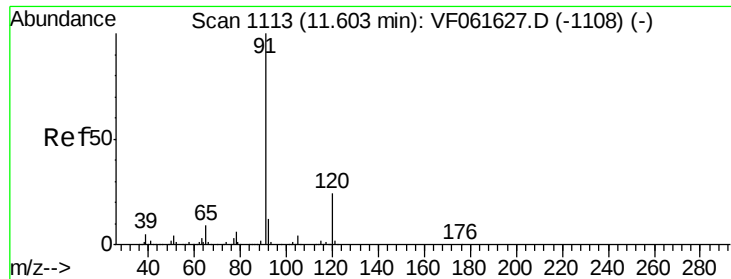
Delta R.T. -0.02 min

Lab File: VF061805.D

Acq: 1 Mar 2019 16:24

Tgt Ion:	105	Resp:	515644
Ion Ratio	Lower	Upper	
105	100		
120	26.1	13.4	40.1





#78

n-propylbenzene

Concen: 408.587 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF061805.D

Acq: 1 Mar 2019 16:24

Instrument :

MSVOA_F

ClientSampleId :

HR-06-022719-A

Tot Ion: 91 Resp: 1309322

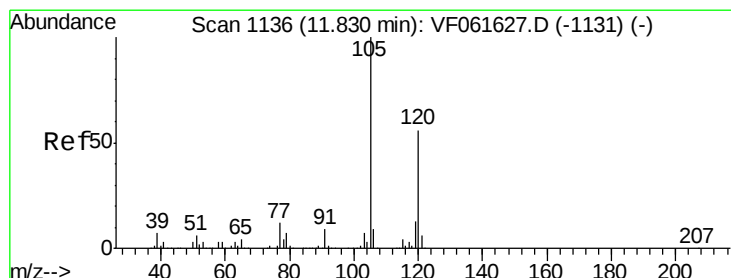
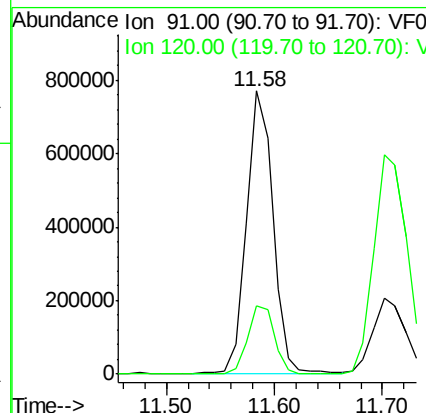
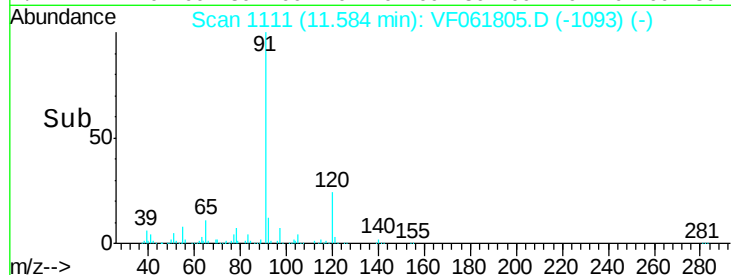
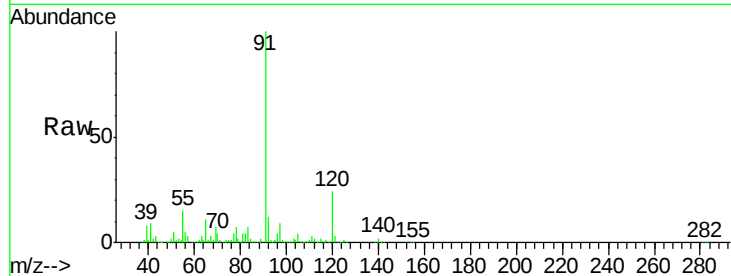
Ion Ratio Lower Upper

91 100

120 24.3 12.1 36.3

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#80

1,3,5-Trimethylbenzene

Concen: 769.919 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VF061805.D

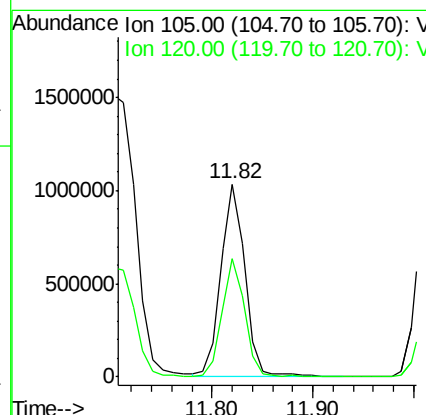
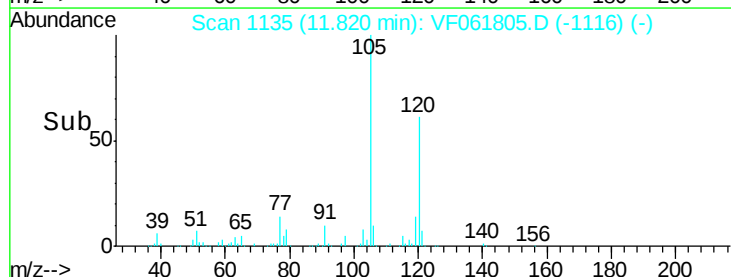
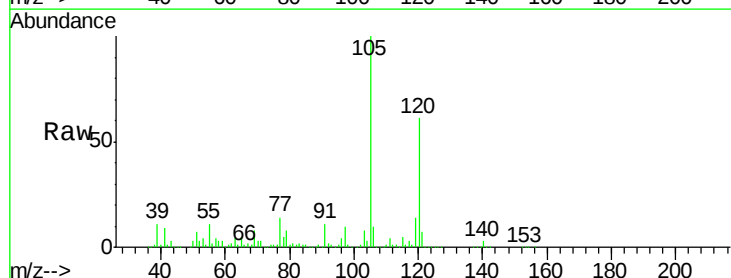
Acq: 1 Mar 2019 16:24

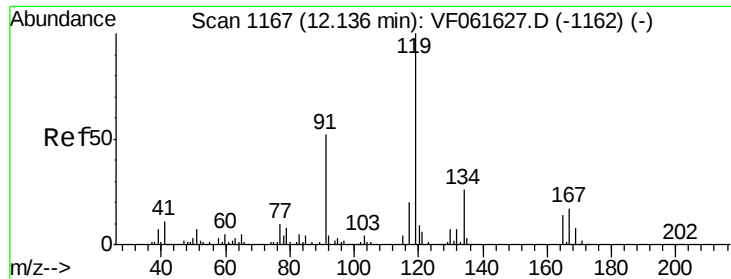
Tgt Ion: 105 Resp: 1718383

Ion Ratio Lower Upper

105 100

120 61.2 27.9 83.6





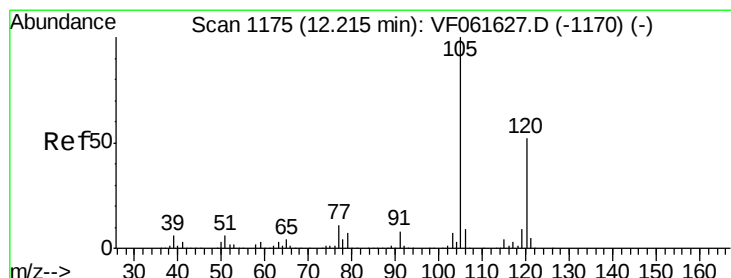
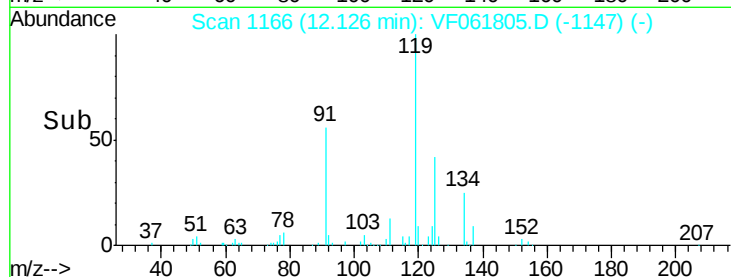
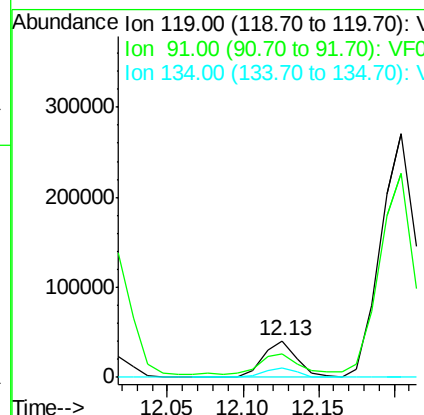
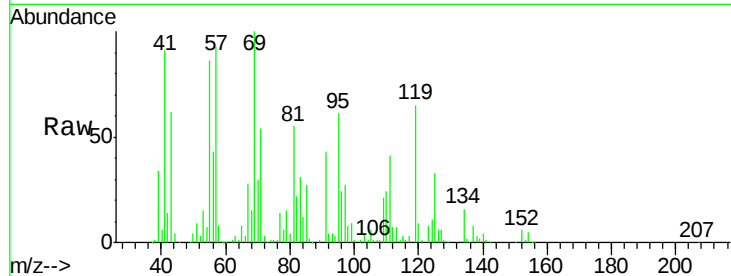
#83
tert-Butylbenzene
Concen: 25.419 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. -0.01 min
Lab File: VF061805.D
Acq: 1 Mar 2019 16:24

Instrument :
MSVOA_F
ClientSampleId :
HR-06-022719-A

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.6	26.3	78.8
134	24.9	12.9	38.7

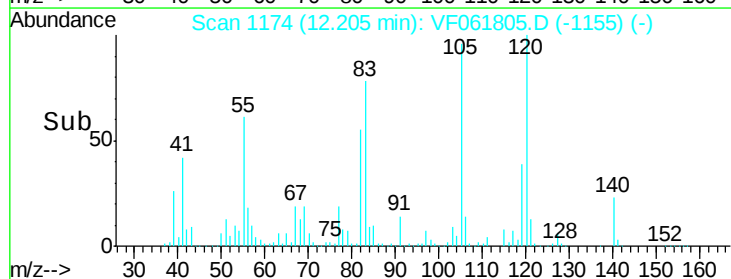
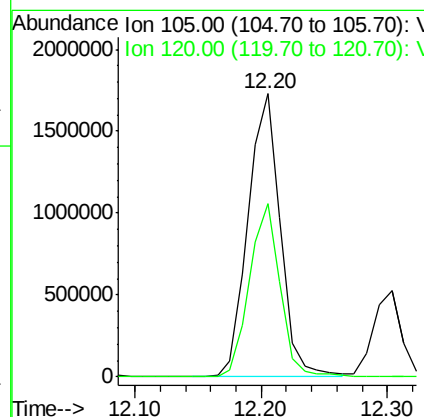
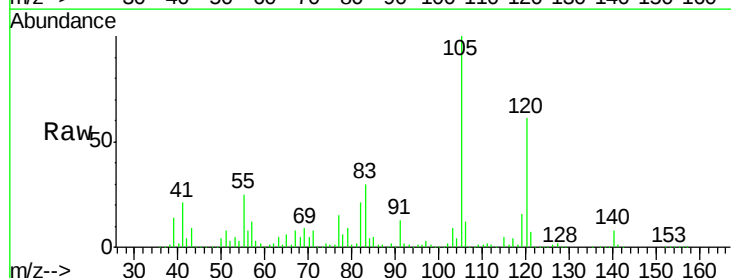
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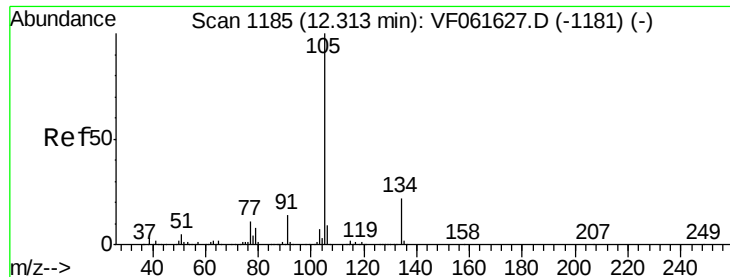
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#84
1,2,4-Trimethylbenzene
Concen: 1380.347 ug/l
RT: 12.20 min Scan# 1174
Delta R.T. -0.01 min
Lab File: VF061805.D
Acq: 1 Mar 2019 16:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	61.1	26.1	78.3





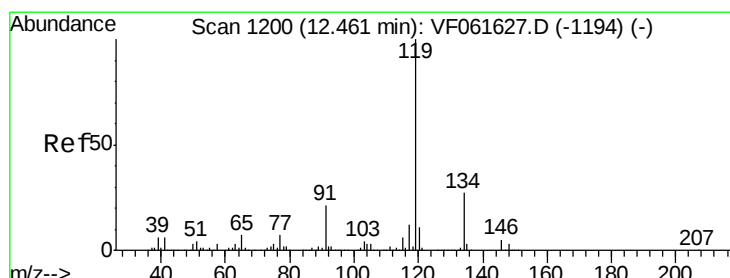
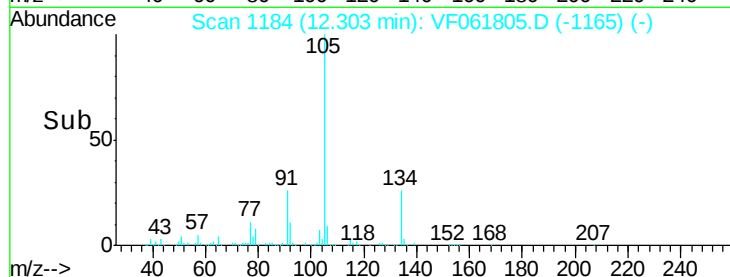
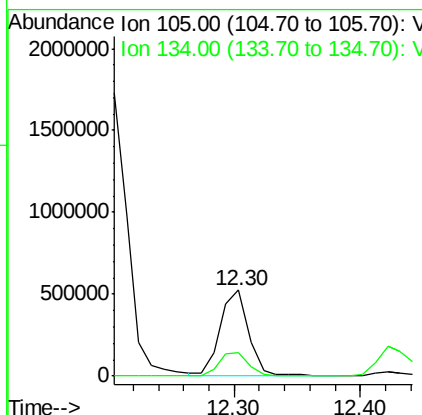
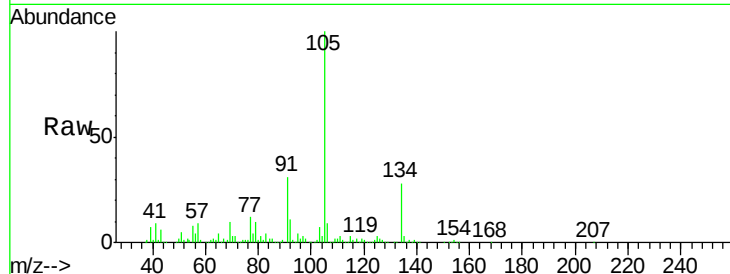
#85
 sec-Butylbenzene
 Concen: 255.467 ug/l
 RT: 12.30 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF061805.D
 Acq: 1 Mar 2019 16:24

Instrument :
 MSVOA_F
 ClientSampleId :
 HR-06-022719-A

Tot Ion	Ratio	Lower	Upper
105	100		
134	27.6	10.8	32.4

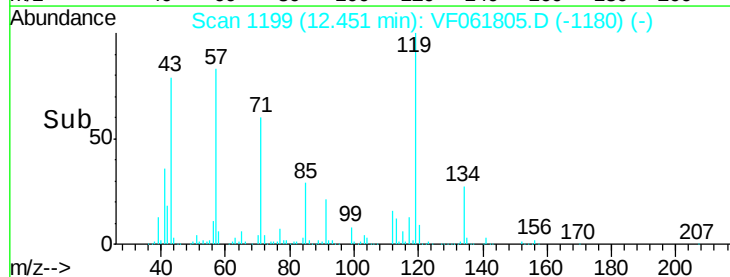
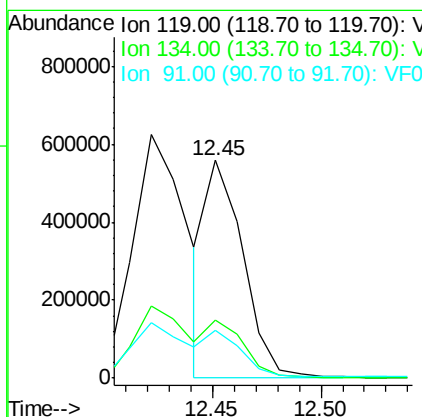
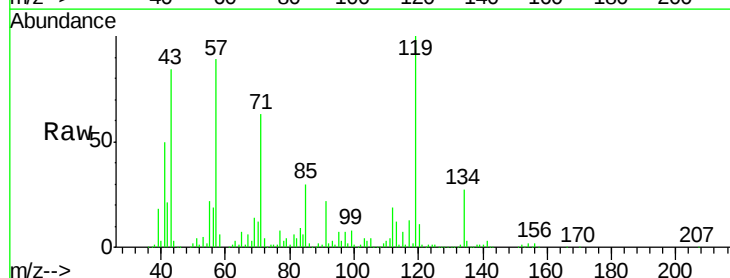
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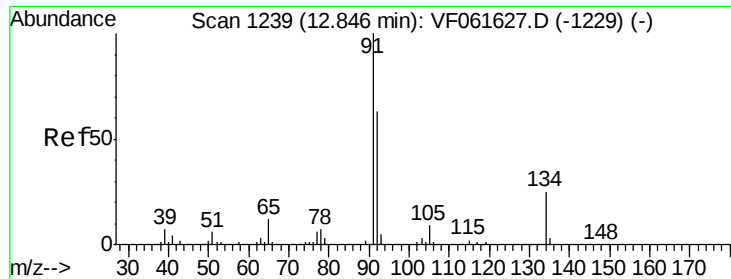
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#86
 p-Isopropyltoluene
 Concen: 246.262 ug/l m
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VF061805.D
 Acq: 1 Mar 2019 16:24

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.7	41.1
91	22.2	10.8	32.4





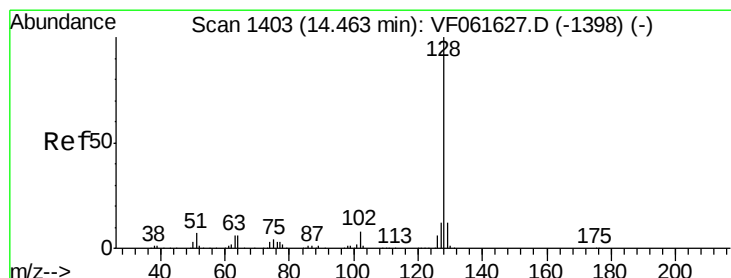
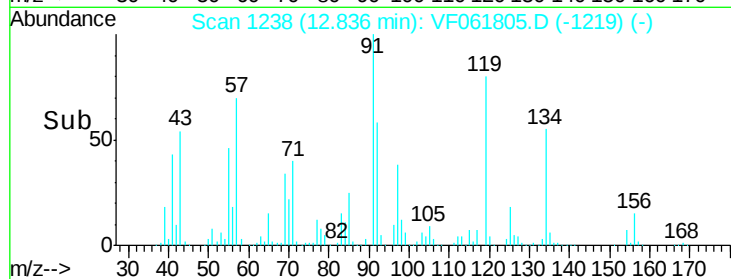
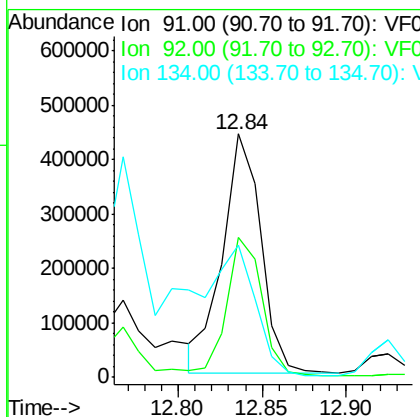
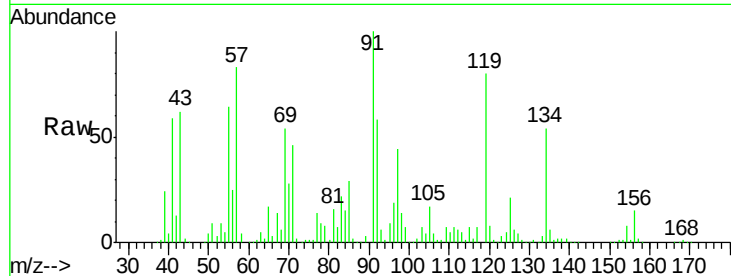
#89
n-Butylbenzene
Concen: 276.042 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF061805.D
Acq: 1 Mar 2019 16:24

Instrument :
MSVOA_F
ClientSampleId :
HR-06-022719-A

Tot Ion	Ratio	Resp	Lower	Upper
91	100	699322		
92	57.7	31.4	94.3	
134	54.4	12.3	36.9	

Manual Integrations
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#95
Naphthalene
Concen: 286.576 ug/l
RT: 14.44 min Scan# 1401
Delta R.T. -0.02 min
Lab File: VF061805.D
Acq: 1 Mar 2019 16:24

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	459749		
127	20.4	9.8	14.6	#
129	16.1	9.4	14.2	#

