

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031519\
 Data File : VF061959.D
 Acq On : 15 Mar 2019 14:17
 Operator : VA/AP
 Sample : K1928-02
 Misc : 6.34g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-MW-7(10.5-11)

Manual Integrations
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MMDadoda
 3/17/2019 5:23:17 AM

Quant Time: Mar 15 23:48:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	265602	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.63	114	333330	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.80	117	333525	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	183667	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	101269	52.36	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.72%	
35) Dibromofluoromethane	4.13	113	116909	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
50) Toluene-d8	7.59	98	561222	81.17	ug/l	0.03
Spiked Amount	50.000		Recovery	=	162.34%	
62) 4-Bromofluorobenzene	11.43	95	230064	84.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	169.88%	
Target Compounds						
					Qvalue	
31) Cyclohexane	3.78	56	4524666	1110.267	ug/l #	79
39) Methylcyclohexane	5.58	83	16540016m	4447.378	ug/l	
67) Ethyl Benzene	9.92	91	607729	57.222	ug/l	99
68) m/p-Xylenes	10.15	106	869291	213.658	ug/l	90
69) o-Xylene	10.73	106	183360	41.852	ug/l	97
73) Isopropylbenzene	11.14	105	395403	31.271	ug/l	97
78) n-propylbenzene	11.60	91	2291118	160.450	ug/l	92
80) 1,3,5-Trimethylbenzene	11.84	105	2056780	202.599	ug/l	90
84) 1,2,4-Trimethylbenzene	12.21	105	3179077	319.441	ug/l	87
85) sec-Butylbenzene	12.31	105	1080490	77.024	ug/l #	43
86) p-Isopropyltoluene	12.47	119	340023m	28.515	ug/l	
89) n-Butylbenzene	12.86	91	2392266	209.927	ug/l #	58
95) Naphthalene	14.46	128	190481	27.865	ug/l #	81

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

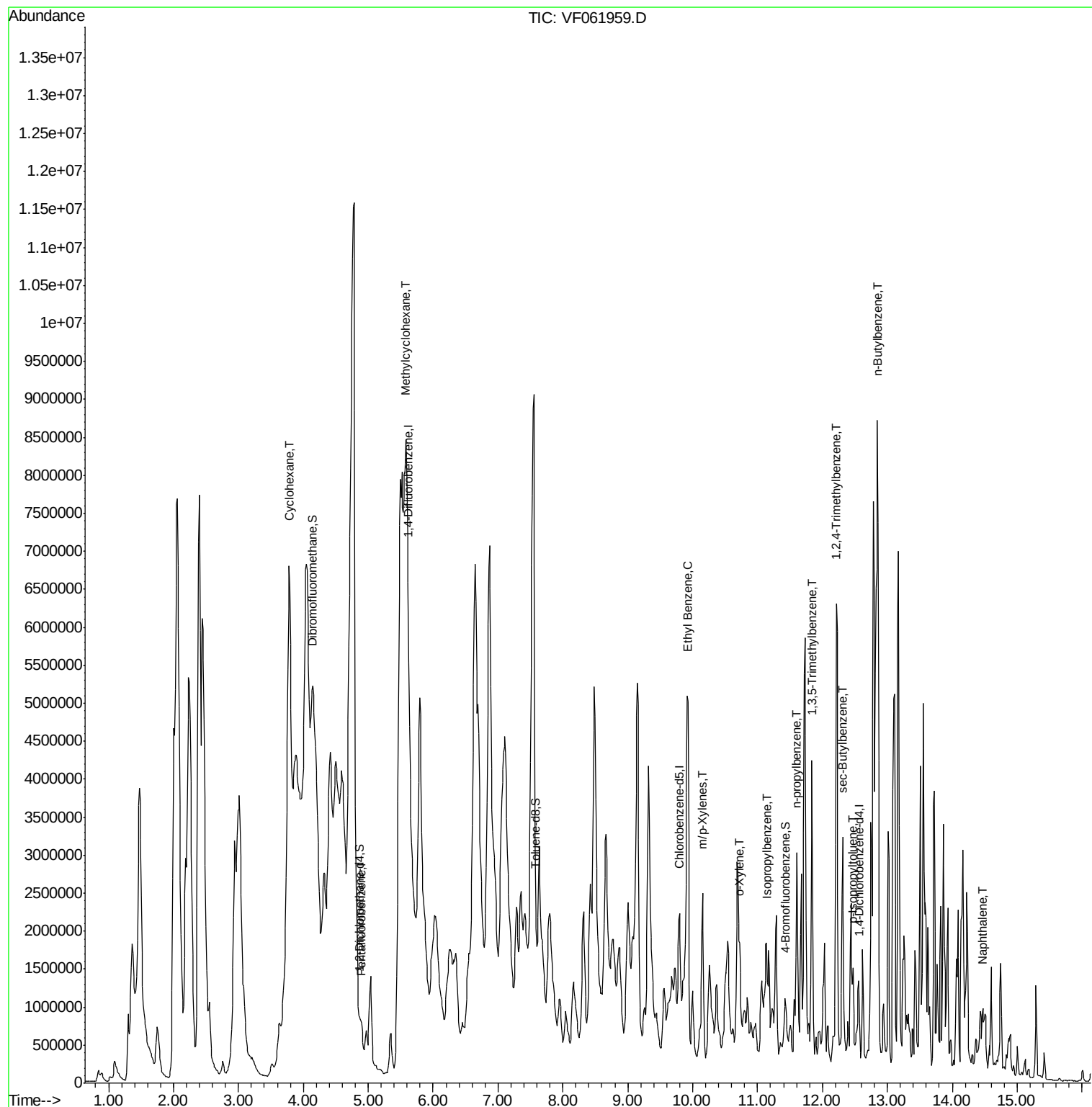
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031519\
Data File : VF061959.D
Acq On : 15 Mar 2019 14:17
Operator : VA/AP
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ALS Vial : 7 Sample Multiplier: 1

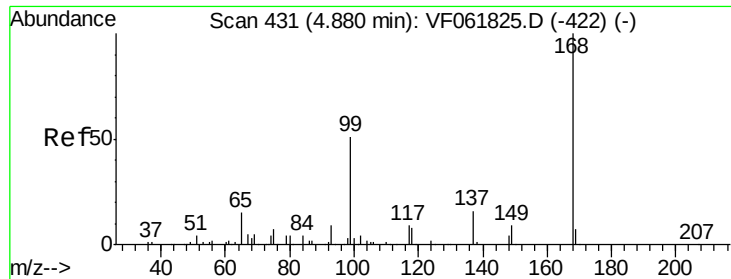
Instrument :
MSVOA_F
ClientSampleId :
SB-MW-7(10.5-11)

Manual Integrations
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Quant Time: Mar 15 23:48:25 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.90 min Scan# 433

Delta R.T. 0.02 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

SB-MW-7(10.5-11)

Tot Ion:168 Resp: 265602

Ion Ratio Lower Upper

168 100

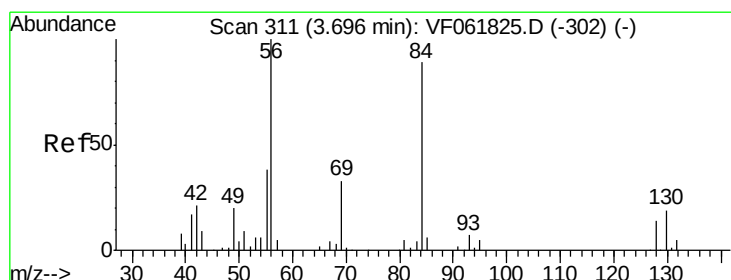
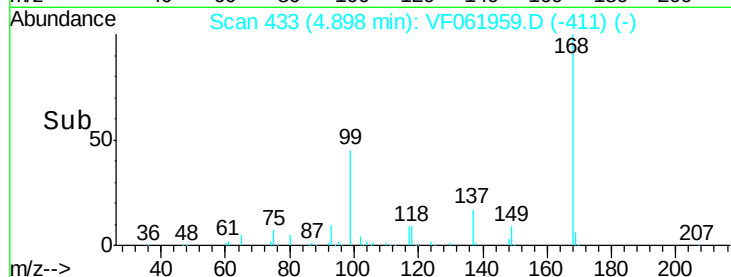
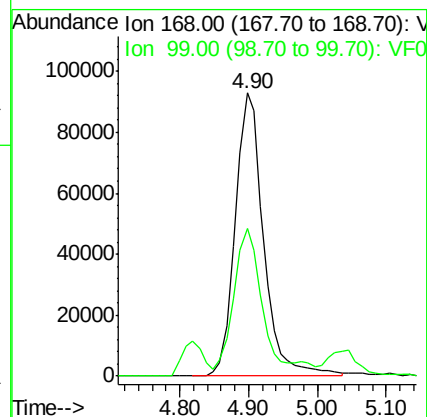
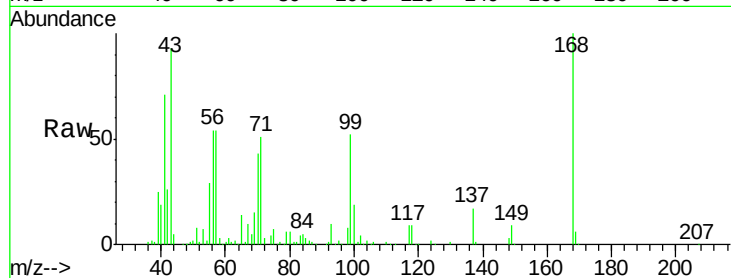
99 52.0 40.8 61.2

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#31

Cyclohexane

Concen: 1110.267 ug/l

RT: 3.78 min Scan# 320

Delta R.T. 0.09 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

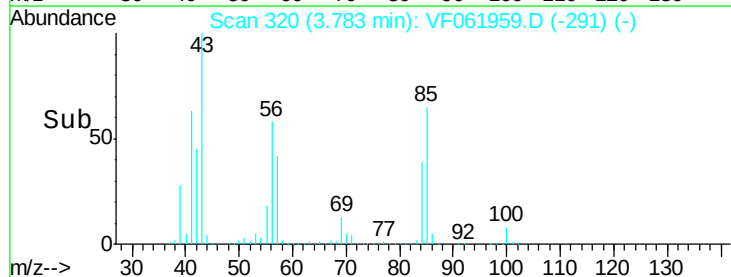
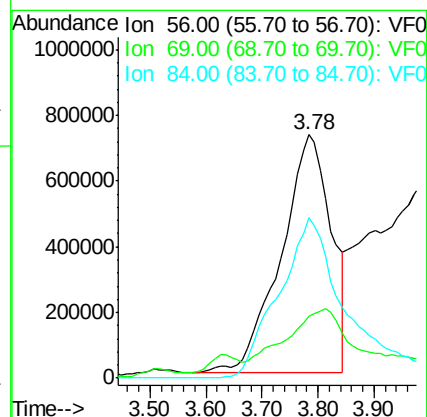
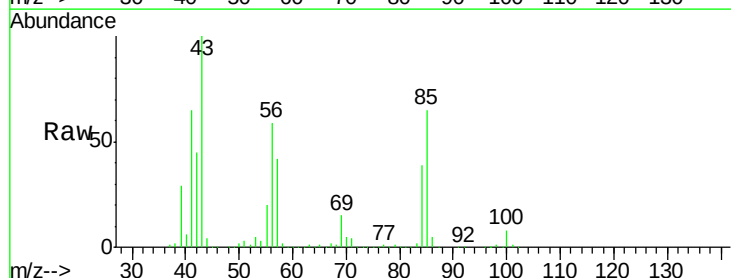
Tgt Ion: 56 Resp: 4524666

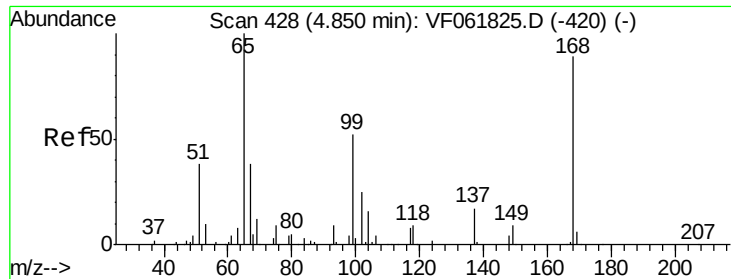
Ion Ratio Lower Upper

56 100

69 25.6 26.0 39.0#

84 65.7 71.0 106.6#





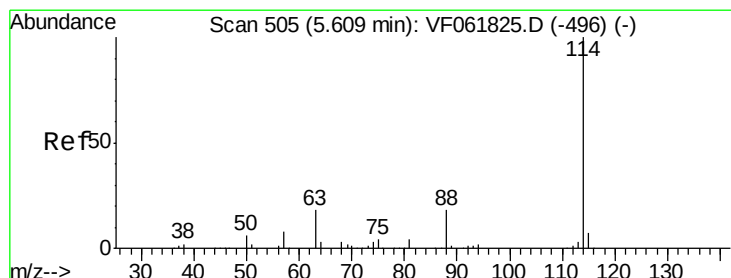
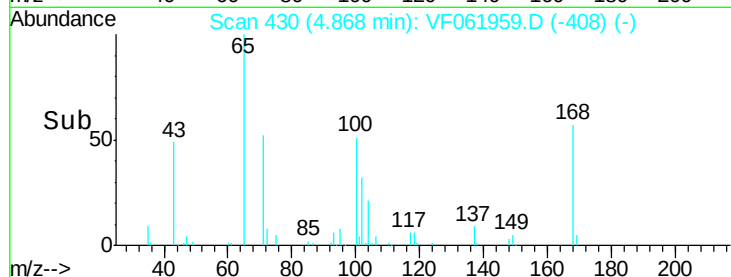
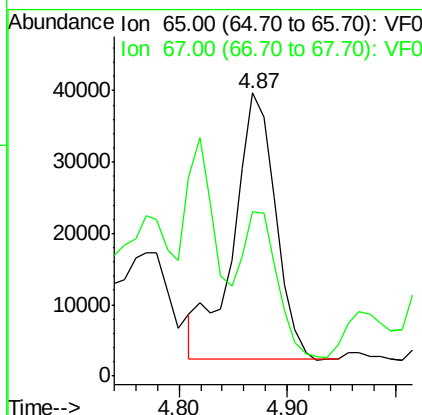
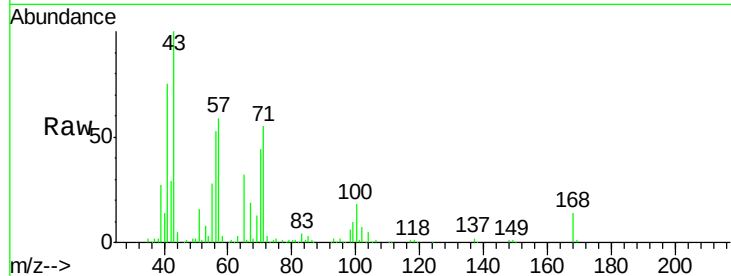
#33
 1,2-Dichloroethane-d4
 Concen: 52.356 ug/l
 RT: 4.87 min Scan# 430
 Delta R.T. 0.02 min
 Lab File: VF061959.D
 Acq: 15 Mar 2019 14:17

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-MW-7(10.5-11)

Tot Ion: 65 Resp: 101269
 Ion Ratio Lower Upper
 65 100
 67 58.1 0.0 108.6

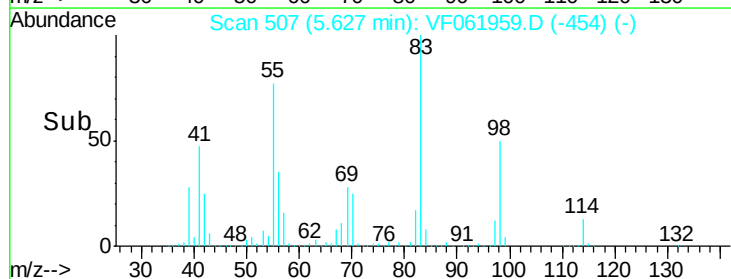
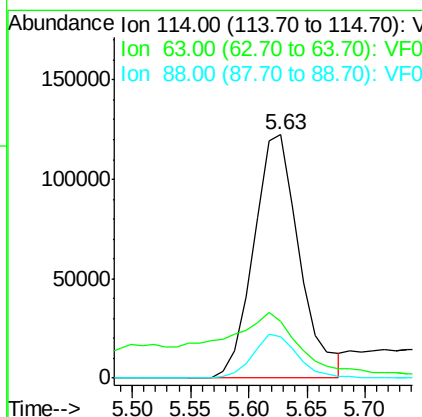
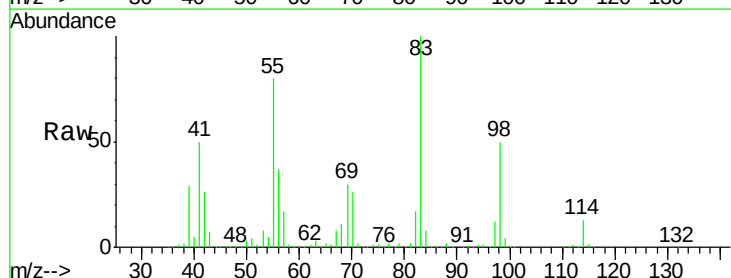
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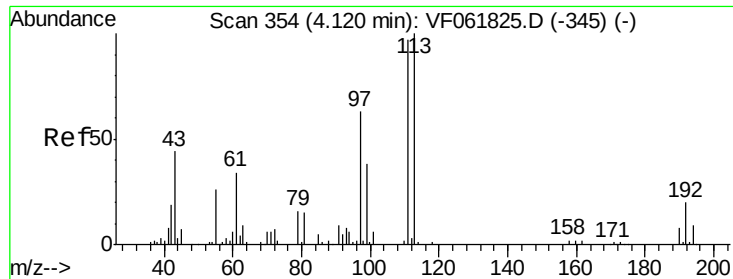
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 507
 Delta R.T. 0.02 min
 Lab File: VF061959.D
 Acq: 15 Mar 2019 14:17

Tgt Ion: 114 Resp: 333330
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 35.6
 88 17.1 0.0 35.6





#35

Dibromofluoromethane

Concen: 50.257 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.01 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

Instrument :

MSVOA_F

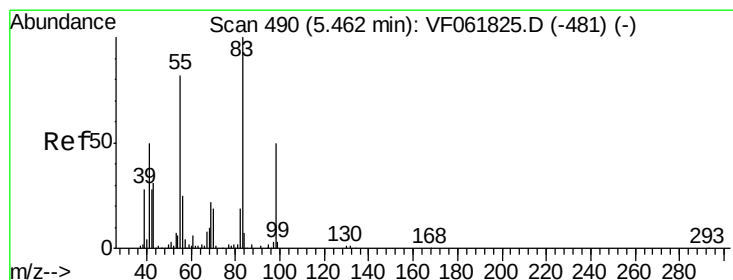
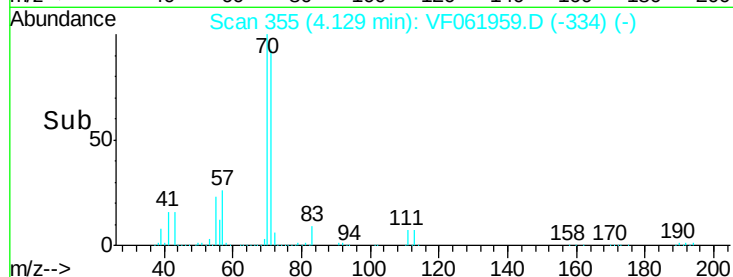
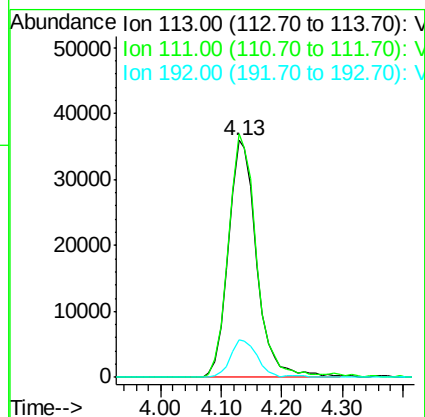
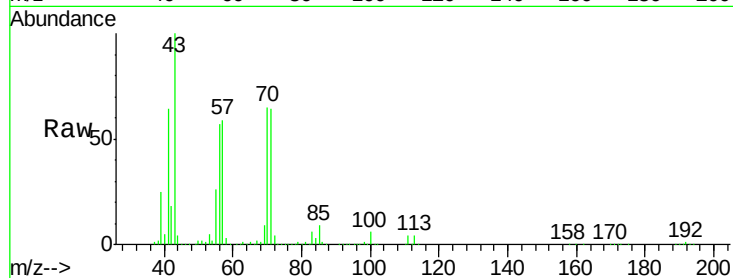
ClientSampleId :

SB-MW-7(10.5-11)

Tot Ion:	113	Resp:	116909
Ion	Ratio	Lower	Upper
113	100		
111	102.8	77.6	116.4
192	16.0	15.9	23.9

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#39

Methylcyclohexane

Concen: 4447.378 ug/l m

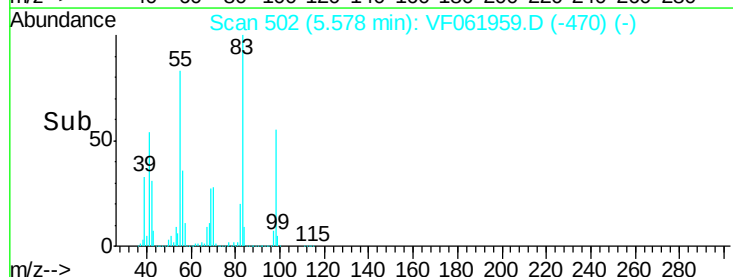
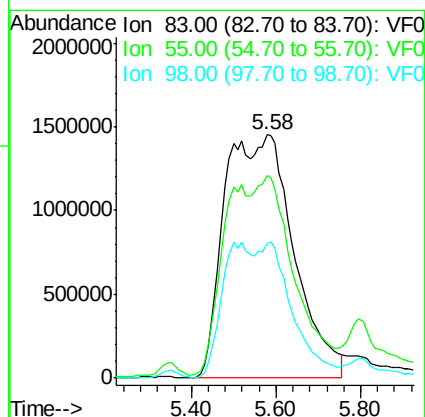
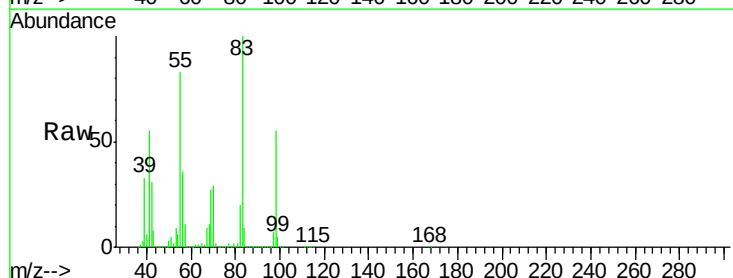
RT: 5.58 min Scan# 502

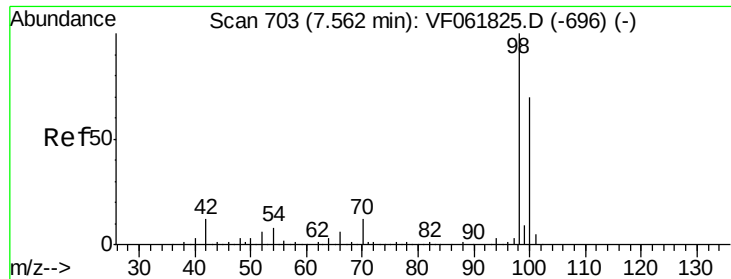
Delta R.T. 0.12 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

Tgt Ion:	83	Resp:	16540016
Ion	Ratio	Lower	Upper
83	100		
55	83.1	66.0	99.0
98	55.1	39.8	59.6





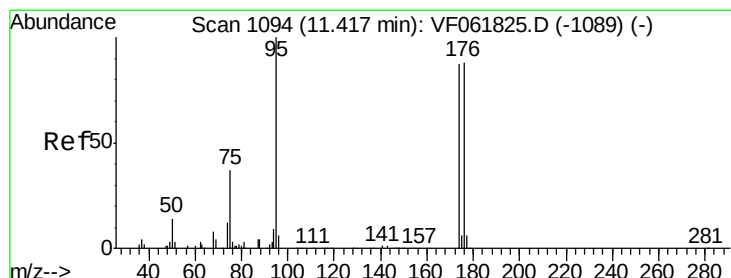
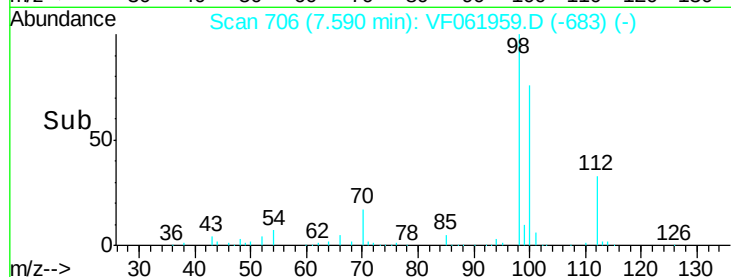
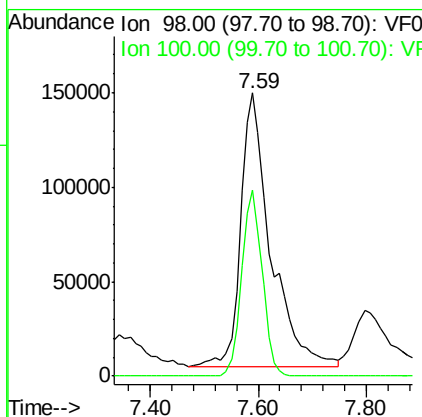
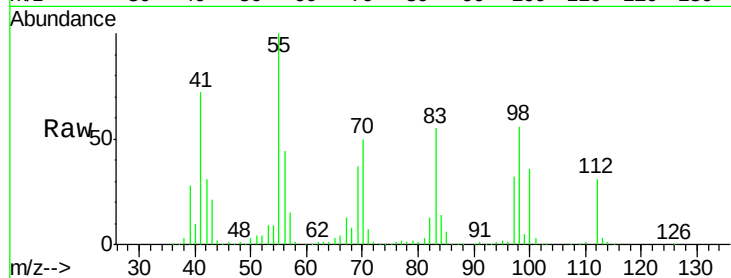
#50
Toluene-d8
Concen: 81.170 ug/l
RT: 7.59 min Scan# 706
Delta R.T. 0.03 min
Lab File: VF061959.D
Acq: 15 Mar 2019 14:17

Instrument :
MSVOA_F
ClientSampleId :
SB-MW-7(10.5-11)

Tot Ion: 98 Resp: 561222
Ion Ratio Lower Upper
98 100
100 65.5 56.0 84.0

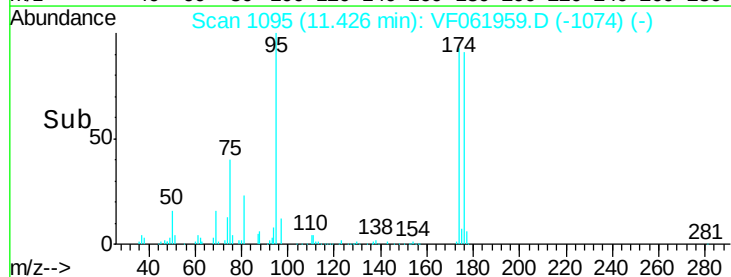
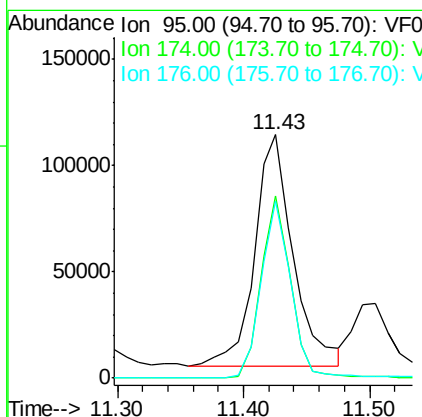
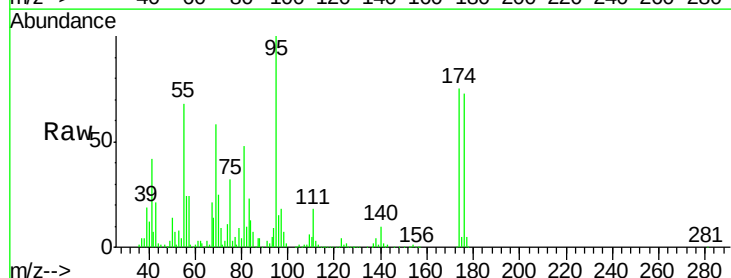
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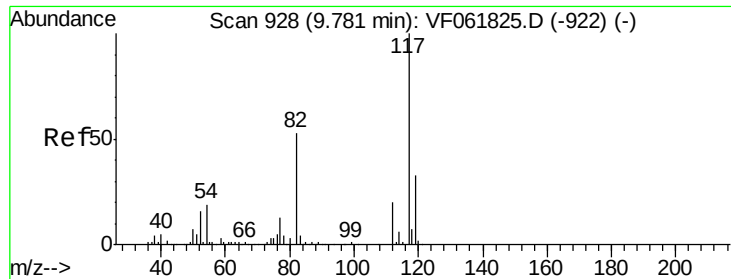
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#62
4-Bromofluorobenzene
Concen: 84.943 ug/l
RT: 11.43 min Scan# 1095
Delta R.T. 0.01 min
Lab File: VF061959.D
Acq: 15 Mar 2019 14:17

Tgt Ion: 95 Resp: 230064
Ion Ratio Lower Upper
95 100
174 74.6 0.0 174.0
176 72.8 0.0 175.2





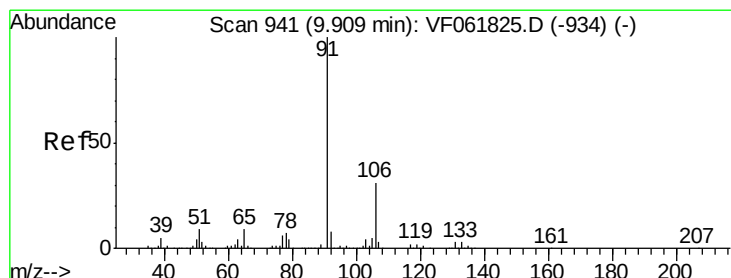
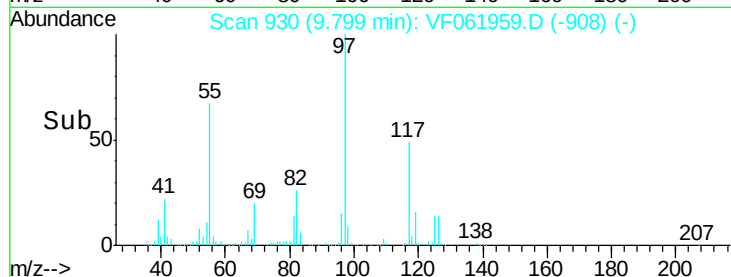
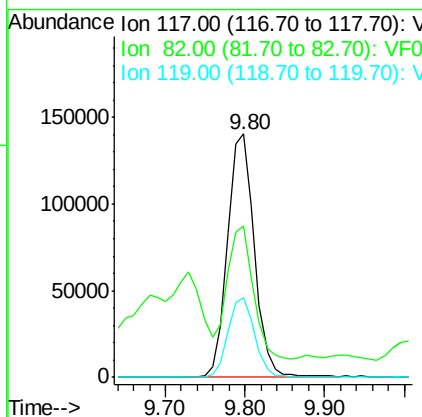
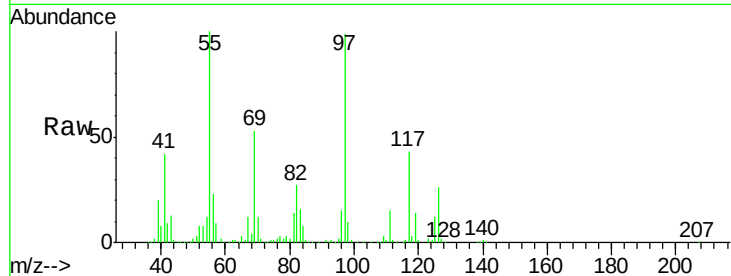
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.02 min
Lab File: VF061959.D
Acq: 15 Mar 2019 14:17

Instrument :
MSVOA_F
ClientSampleId :
SB-MW-7(10.5-11)

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.0	42.6	63.8
119	32.7	26.0	39.0

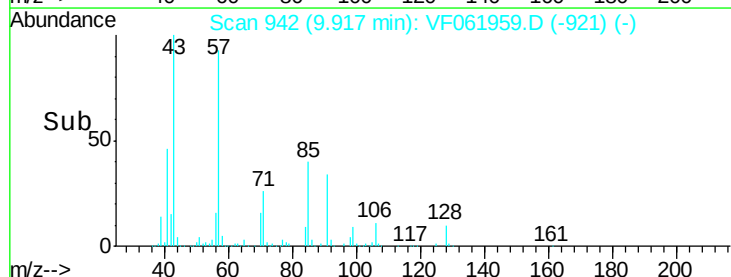
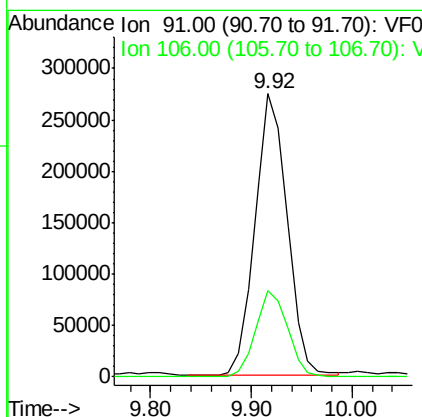
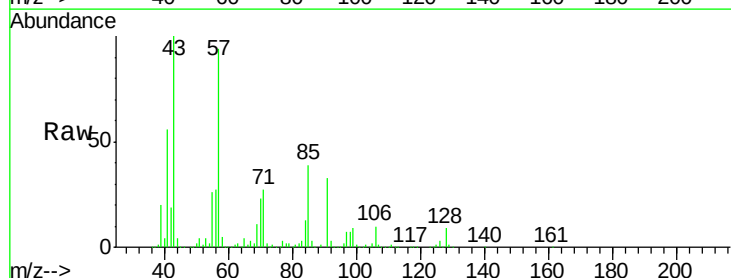
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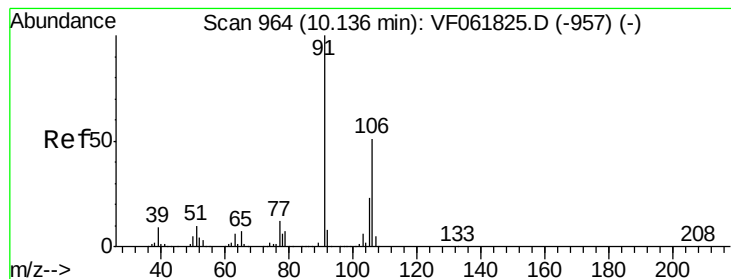
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#67
Ethyl Benzene
Concen: 57.222 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.01 min
Lab File: VF061959.D
Acq: 15 Mar 2019 14:17

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.7	25.0	37.4





#68

m/p-Xylenes

Concen: 213.658 ug/l

RT: 10.15 min Scan# 966

Delta R.T. 0.02 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

SB-MW-7(10.5-11)

Tot Ion:106 Resp: 869291

Ion Ratio Lower Upper

106 100

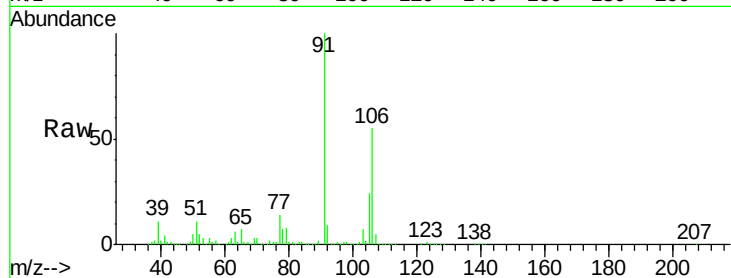
91 182.2 157.5 236.3

Manual Integrations

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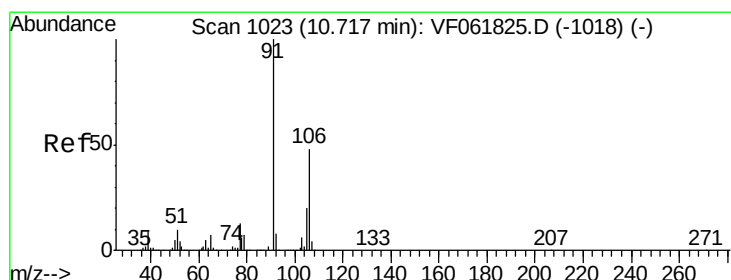
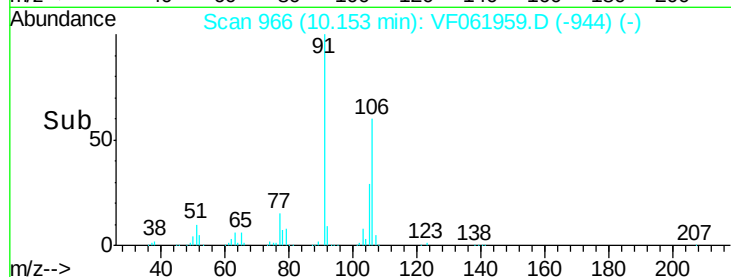
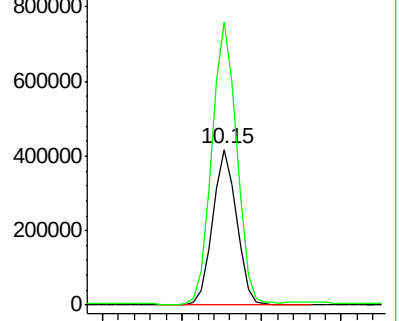
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#69

o-Xylene

Concen: 41.852 ug/l

RT: 10.73 min Scan# 1024

Delta R.T. 0.01 min

Lab File: VF061959.D

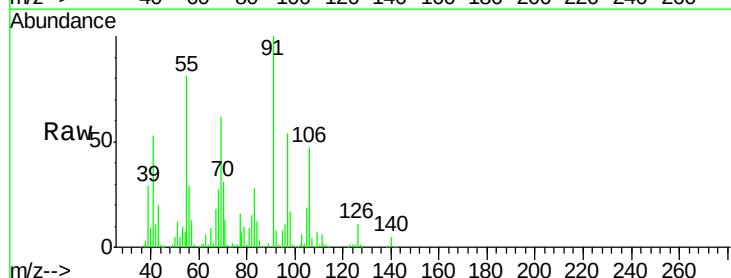
Acq: 15 Mar 2019 14:17

Tgt Ion:106 Resp: 183360

Ion Ratio Lower Upper

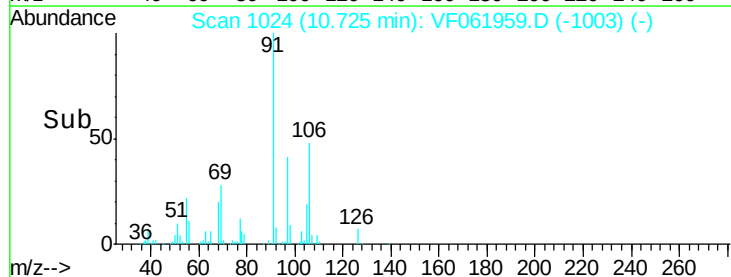
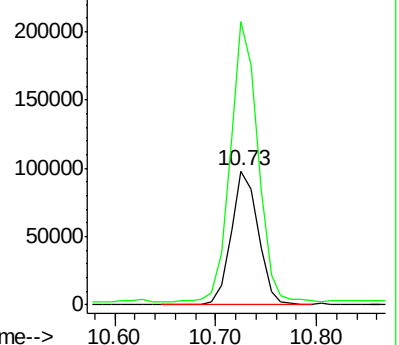
106 100

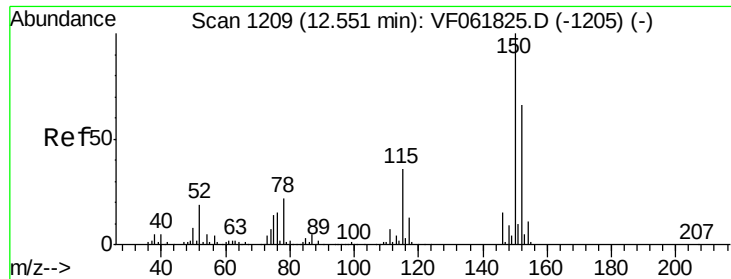
91 211.1 103.5 310.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. 0.01 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

SB-MW-7(10.5-11)

Tot Ion:152 Resp: 183667

Ion Ratio Lower Upper

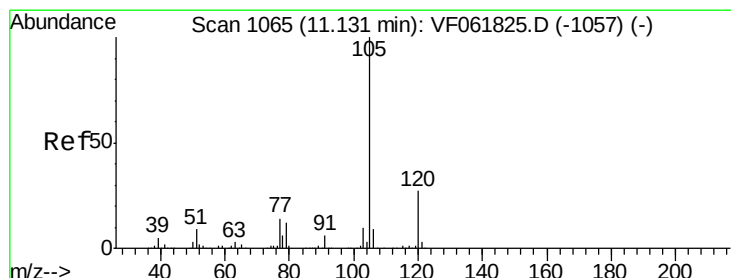
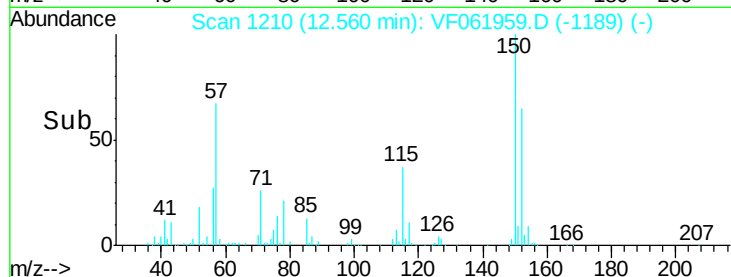
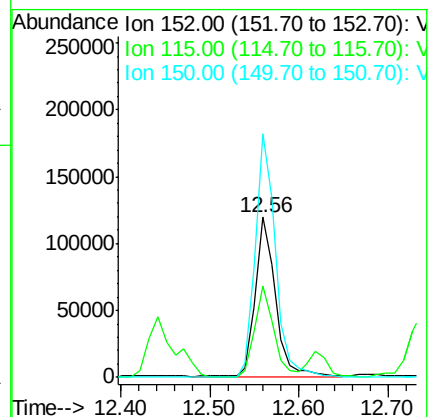
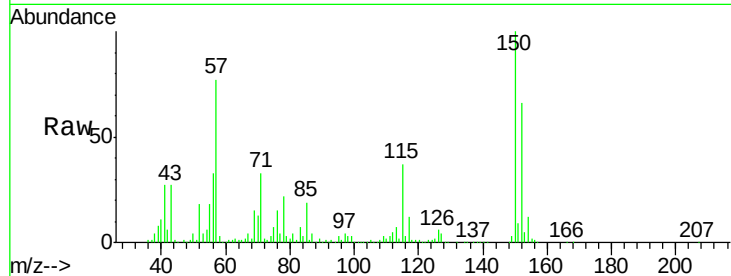
152 100

115 56.7 27.7 83.1

150 152.0 0.0 304.2

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3/17/2019 5:23:17 AM



#73

Isopropylbenzene

Concen: 31.271 ug/l

RT: 11.14 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VF061959.D

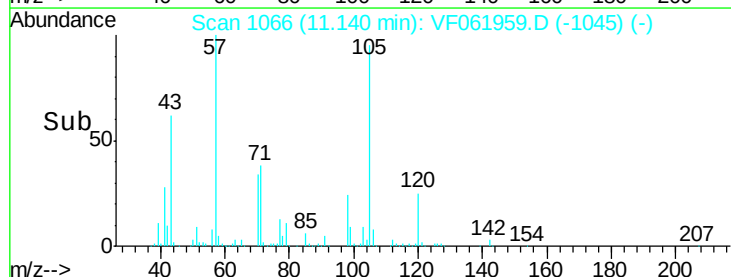
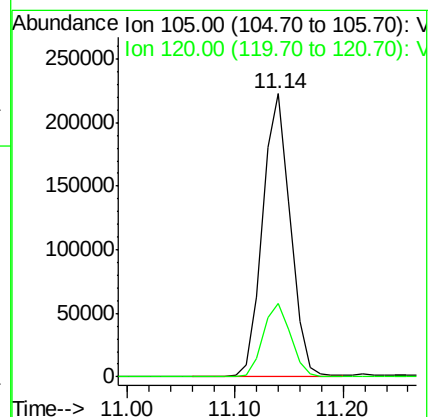
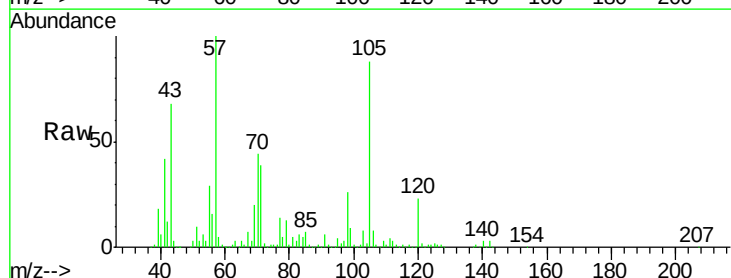
Acq: 15 Mar 2019 14:17

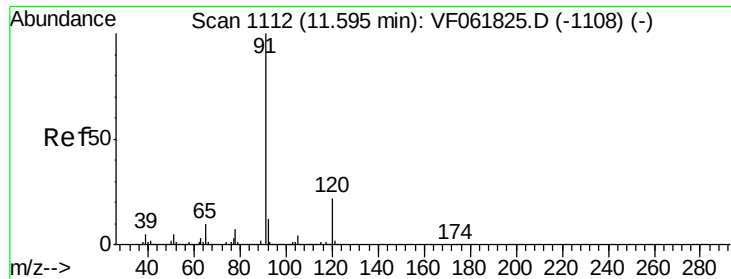
Tgt Ion:105 Resp: 395403

Ion Ratio Lower Upper

105 100

120 25.9 13.7 41.0





#78

n-propylbenzene

Concen: 160.450 ug/l

RT: 11.60 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF061959.D

Acq: 15 Mar 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

SB-MW-7(10.5-11)

Tot Ion: 91 Resp: 2291118

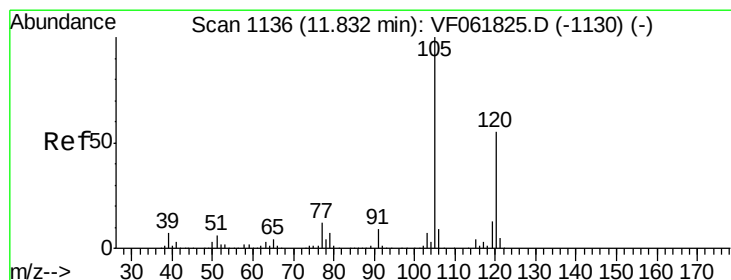
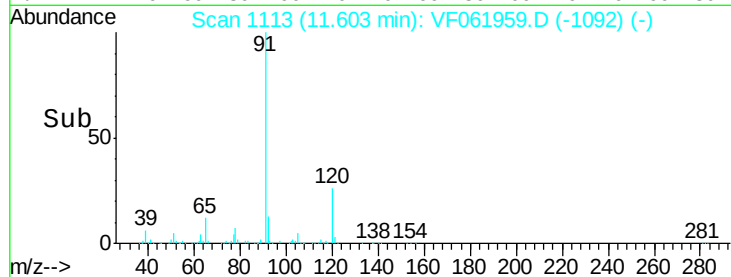
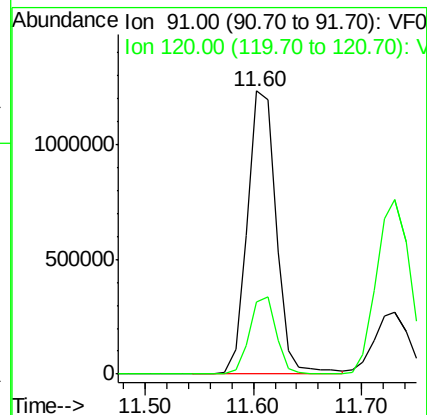
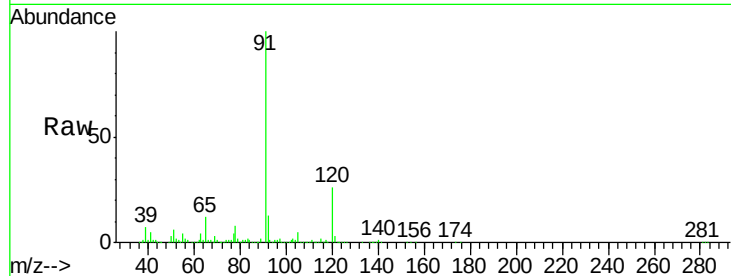
Ion Ratio Lower Upper

91 100

120 25.7 11.1 33.1

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#80

1,3,5-Trimethylbenzene

Concen: 202.599 ug/l

RT: 11.84 min Scan# 1137

Delta R.T. 0.01 min

Lab File: VF061959.D

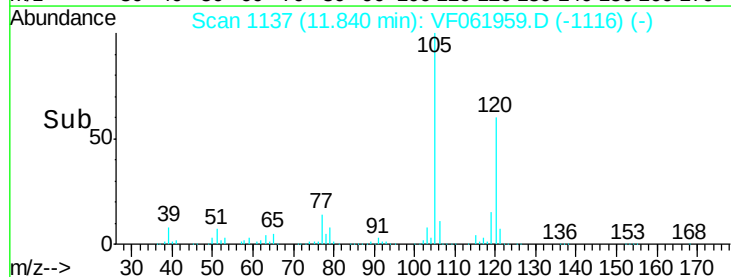
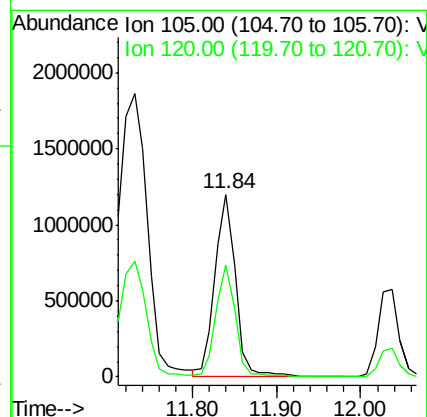
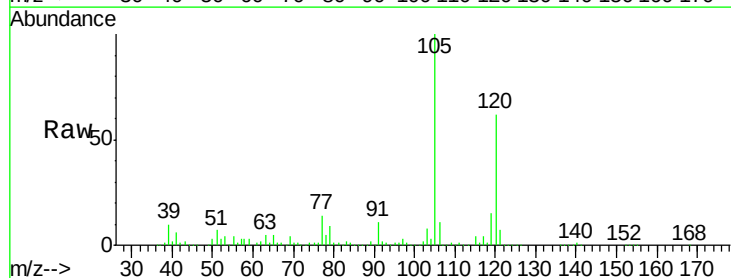
Acq: 15 Mar 2019 14:17

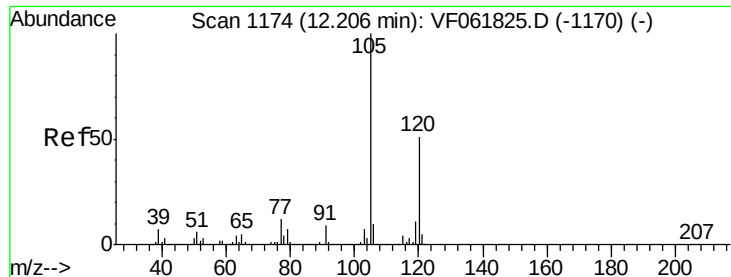
Tgt Ion: 105 Resp: 2056780

Ion Ratio Lower Upper

105 100

120 61.7 27.4 82.2





#84

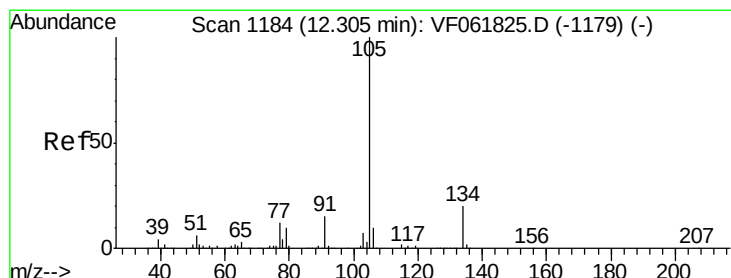
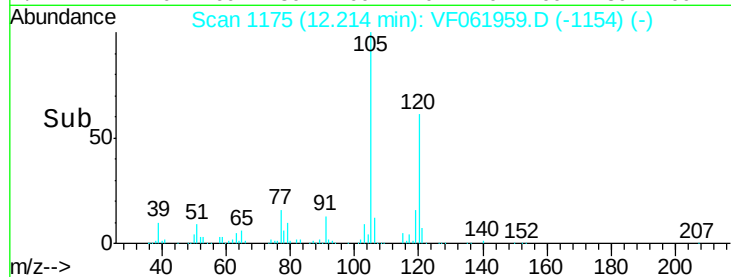
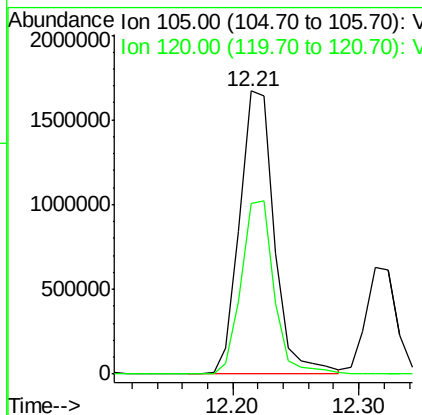
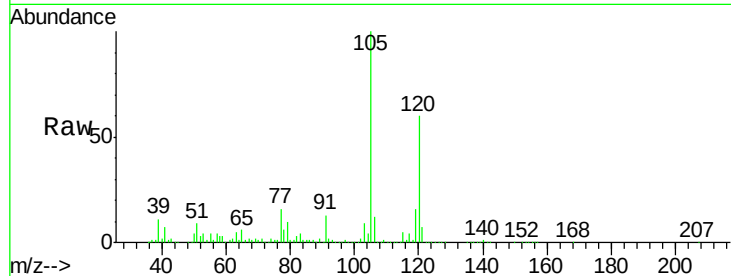
1,2,4-Trimethylbenzene
Concen: 319.441 ug/l
RT: 12.21 min Scan# 1175
Delta R.T. 0.01 min
Lab File: VF061959.D
Acq: 15 Mar 2019 14:17

Instrument :
MSVOA_F
ClientSampleId :
SB-MW-7(10.5-11)

Tot Ion:105 Resp: 3179077
Ion Ratio Lower Upper
105 100
120 60.4 25.8 77.4

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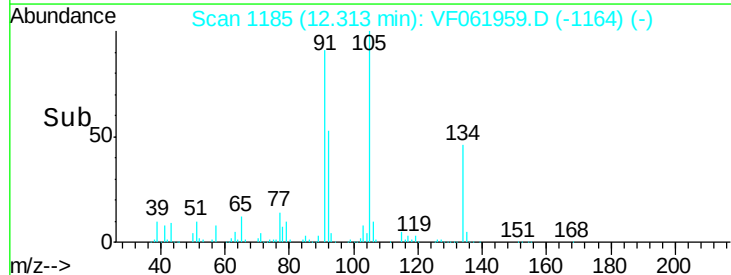
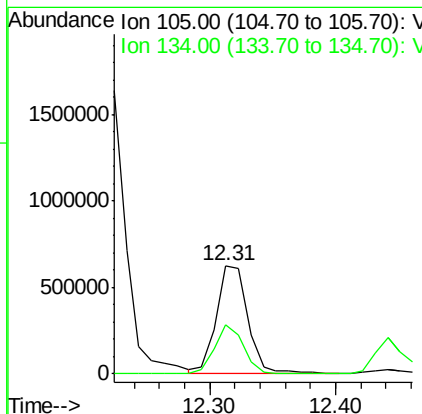
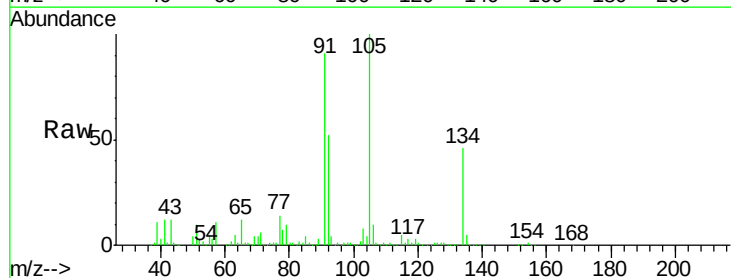
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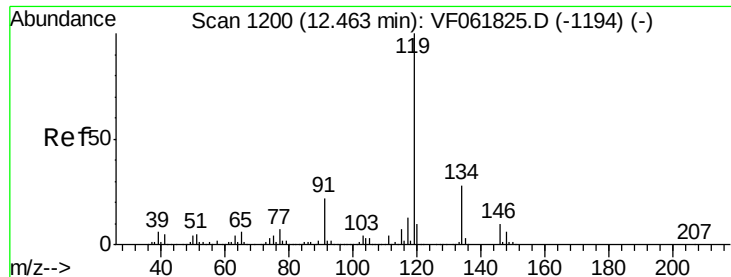


#85

sec-Butylbenzene
Concen: 77.024 ug/l
RT: 12.31 min Scan# 1185
Delta R.T. 0.01 min
Lab File: VF061959.D
Acq: 15 Mar 2019 14:17

Tgt Ion:105 Resp: 1080490
Ion Ratio Lower Upper
105 100
134 45.7 9.8 29.5#





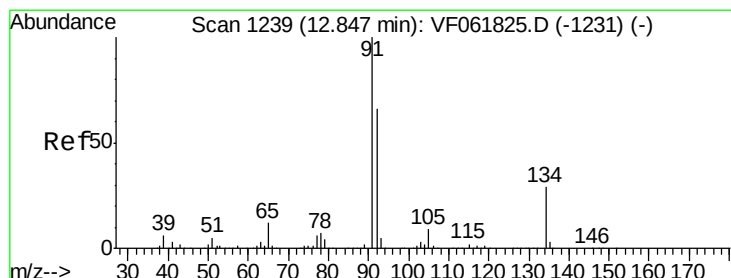
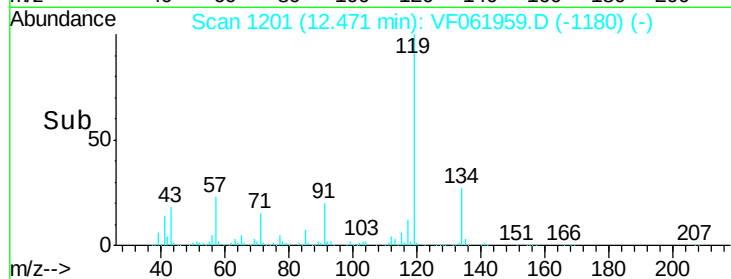
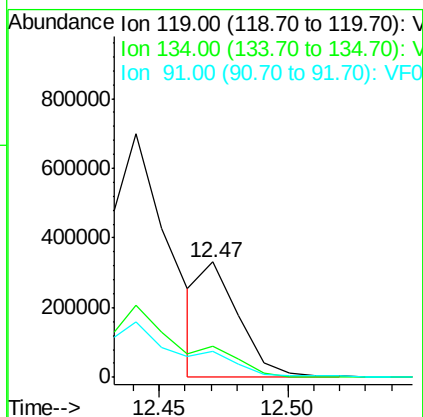
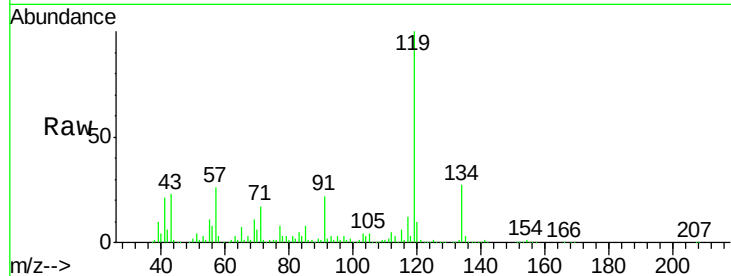
#86
 p-Isopropyltoluene
 Concen: 28.515 ug/l m
 RT: 12.47 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF061959.D
 Acq: 15 Mar 2019 14:17

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-MW-7(10.5-11)

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.6	14.0	42.0
91	22.1	11.1	33.3

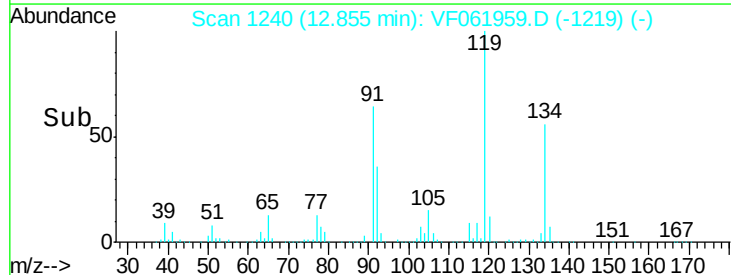
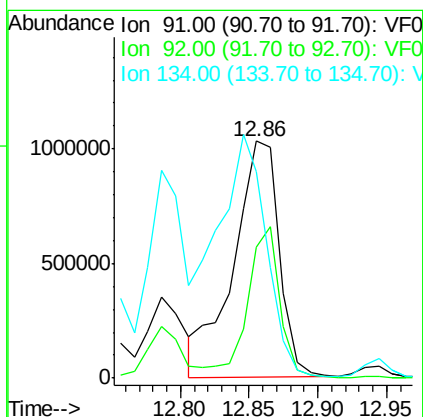
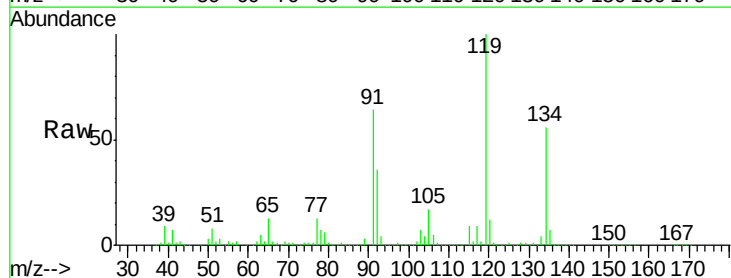
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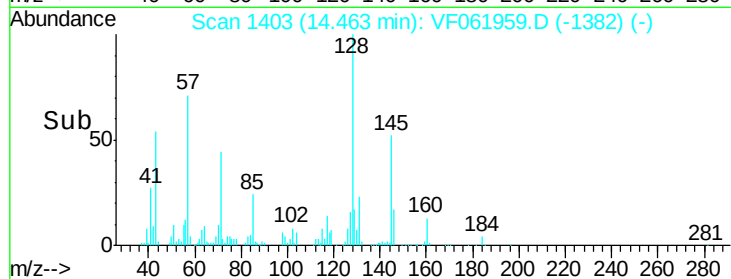
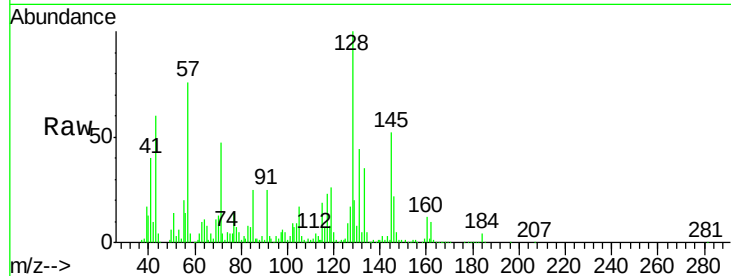
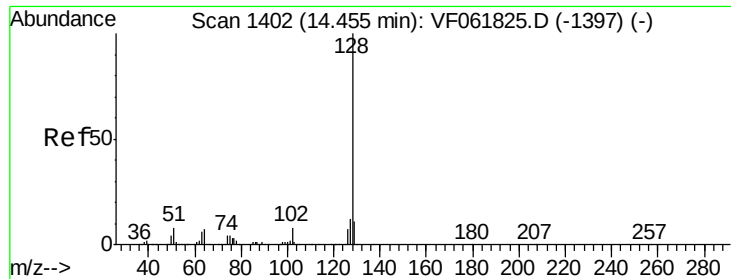
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#89
 n-Butylbenzene
 Concen: 209.927 ug/l
 RT: 12.86 min Scan# 1240
 Delta R.T. 0.01 min
 Lab File: VF061959.D
 Acq: 15 Mar 2019 14:17

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.3	32.9	98.6
134	87.0	14.5	43.6





#95
Naphthalene
Concen: 27.865 ug/l
RT: 14.46 min Scan# 1403
Delta R.T. 0.01 min
Lab File: VF061959.D
Acq: 15 Mar 2019 14:17

Instrument :
MSVOA_F
ClientSampleId :
SB-MW-7(10.5-11)

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	16.9	9.3	13.9#
129	20.3	8.8	13.2#

Manual Integrations
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