

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\
 Data File : VF060019.D
 Acq On : 20 Aug 2018 23:06
 Operator : VA/AP
 Sample : J4510-01
 Misc : 7.28g/5mL/MSVOA F/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-WC4-UST-0818

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Quant Time: Aug 21 07:26:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 21 07:13:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	99228m	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	136449	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.98	117	54380m	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.66	152	9475	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	97826	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
35) Dibromofluoromethane	4.30	113	67163	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	
50) Toluene-d8	7.78	98	179454	57.87	ug/l	0.00
Spiked Amount			Recovery	=	115.74%	
62) 4-Bromofluorobenzene	11.58	95	184063	96.72	ug/l	0.00
Spiked Amount			Recovery	=	193.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.08	50	1492	Below Cal	#	45
16) Acetone	2.34	43	13741	15.48	ug/l	98
20) Methylene Chloride	2.28	84	5648	1.37	ug/l	# 64
39) Methylcyclohexane	5.66	83	295895m	253.81	ug/l	
52) Toluene	7.82	92	483584m	245.63	ug/l	
64) Tetrachloroethene	8.43	164	178937m	431.84	ug/l	
67) Ethyl Benzene	10.13	91	4276475	2194.55	ug/l	97
68) m/p-Xylenes	10.50	106	24349524m	36064.26	ug/l	
69) o-Xylene	11.02	106	10835706m	15655.12	ug/l	
73) Isopropylbenzene	11.34	105	7104907	12508.30	ug/l	94
78) n-propylbenzene	11.81	91	7980316m	11316.93	ug/l	
80) 1,3,5-Trimethylbenzene	11.95	105	20118271	39173.32	ug/l	95
83) tert-Butylbenzene	12.31	119	847624	1679.87	ug/l	85
84) 1,2,4-Trimethylbenzene	12.22	105	9664652	17871.80	ug/l	98
85) sec-Butylbenzene	12.47	105	3553838m	5328.17	ug/l	
86) p-Isopropyltoluene	12.59	119	1350208m	2288.83	ug/l	
89) n-Butylbenzene	12.95	91	1113862m	1954.08	ug/l	
95) Naphthalene	14.53	128	97989	294.76	ug/l	98

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

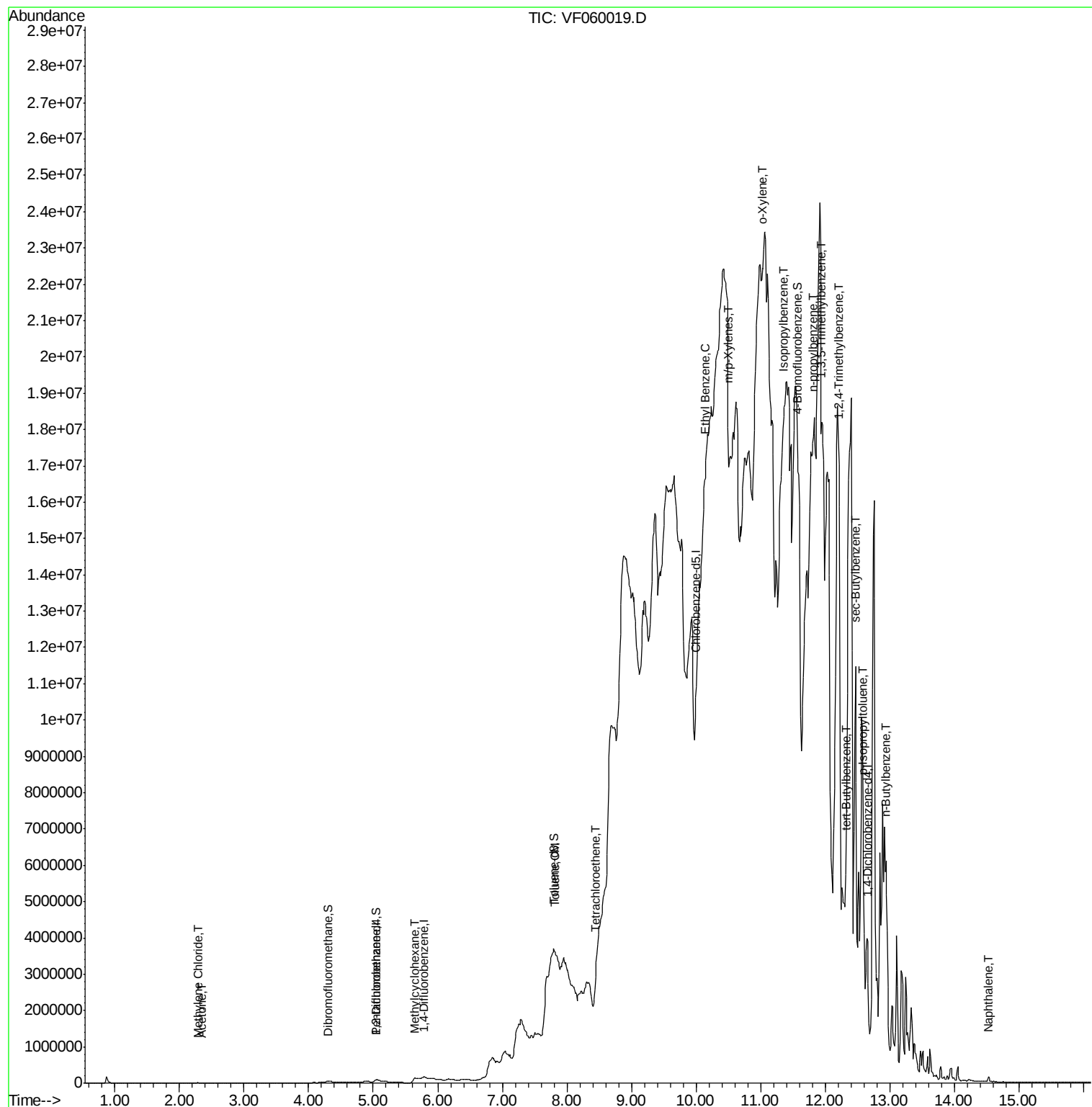
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\
Data File : VF060019.D
Acq On : 20 Aug 2018 23:06
Operator : VA/AP
Sample : J4510-01
Misc : 7.28g/5mL/MSVOA F/SOIL
ALS Vial : 49 Sample Multiplier: 1

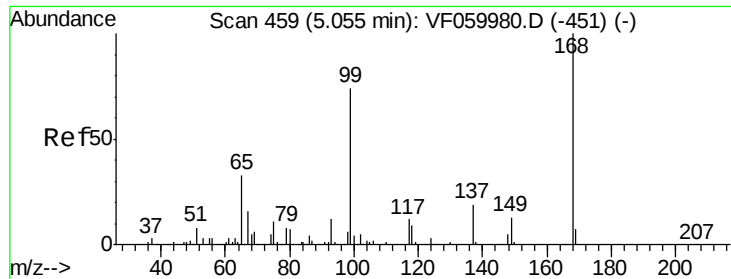
Instrument :
MSVOA_F
ClientSampleId :
EP1-WC4-UST-0818

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Quant Time: Aug 21 07:26:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 21 07:13:45 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l m

RT: 5.05 min Scan# 459

Delta R.T. 0.00 min

Lab File: VF060019.D

Acq: 20 Aug 2018 23:06

Instrument :

MSVOA_F

ClientSampleId :

EP1-WC4-UST-0818

Tot Ion:168 Resp: 99228

Ion Ratio Lower Upper

168 100

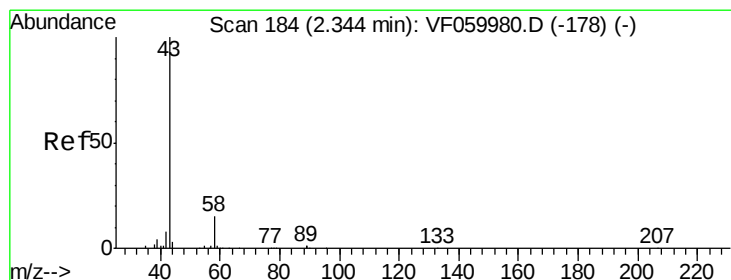
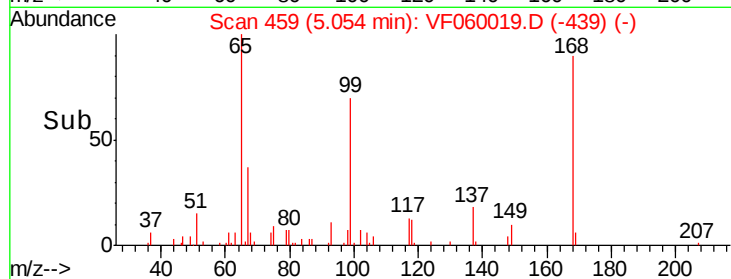
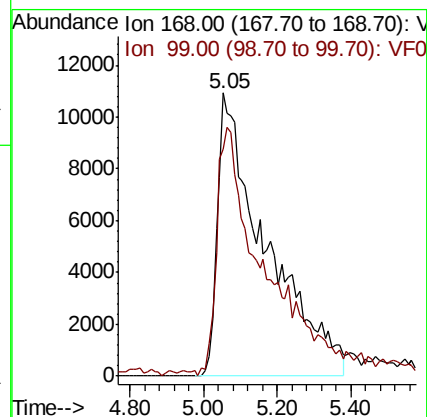
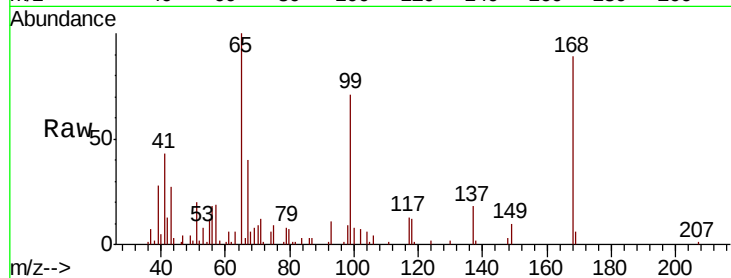
99 80.1 59.0 88.6

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#16

Acetone

Concen: 15.48 ug/l

RT: 2.34 min Scan# 184

Delta R.T. 0.00 min

Lab File: VF060019.D

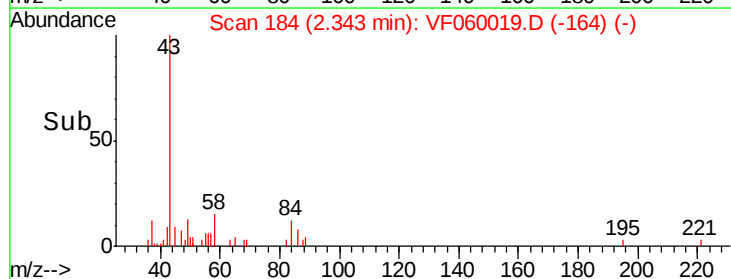
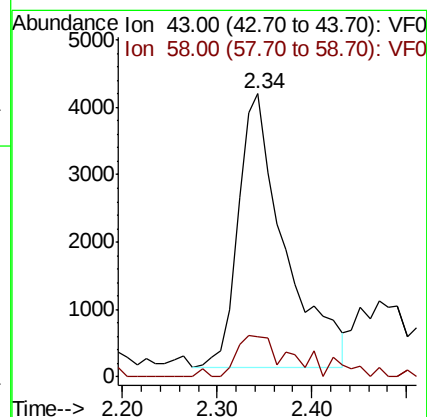
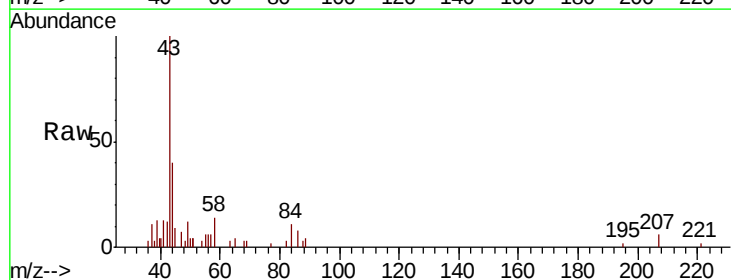
Acq: 20 Aug 2018 23:06

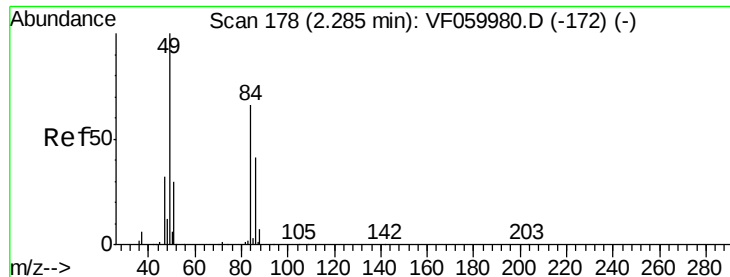
Tgt Ion: 43 Resp: 13741

Ion Ratio Lower Upper

43 100

58 14.2 11.9 17.9





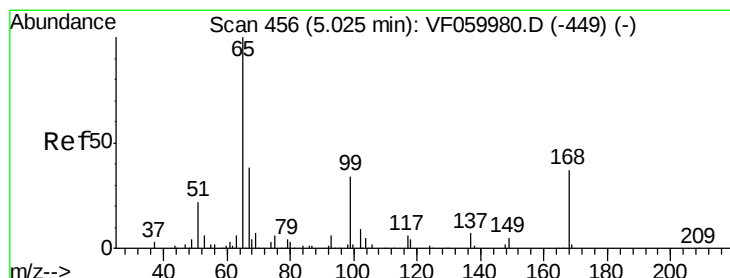
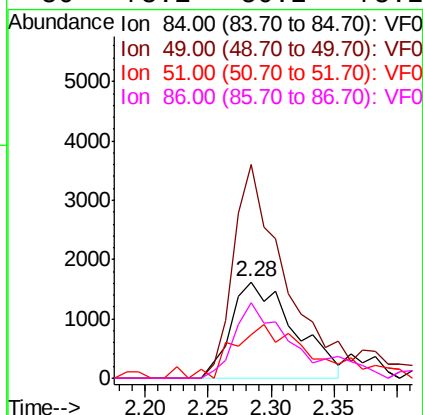
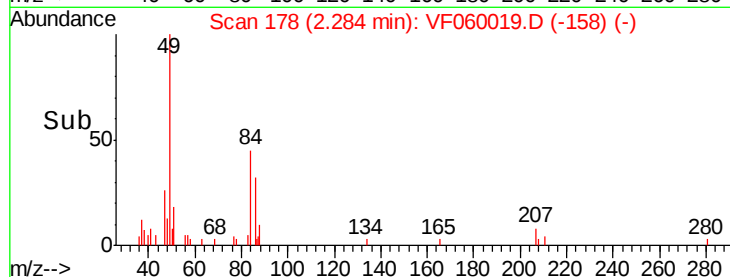
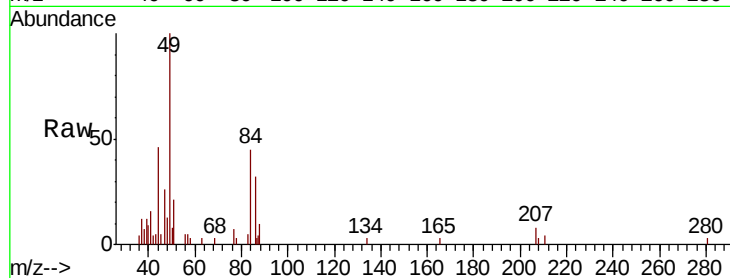
#20
Methvlene Chloride
Concen: 1.37 ug/l
RT: 2.28 min Scan# 178
Delta R.T. 0.00 min
Lab File: VF060019.D
Acq: 20 Aug 2018 23:06

Instrument :
MSVOA_F
ClientSampleId :
EP1-WC4-UST-0818

Tot Ion	Ratio	Lower	Upper
84	100		
49	222.2	122.5	183.7#
51	45.9	37.1	55.7
86	78.1	50.2	75.2#

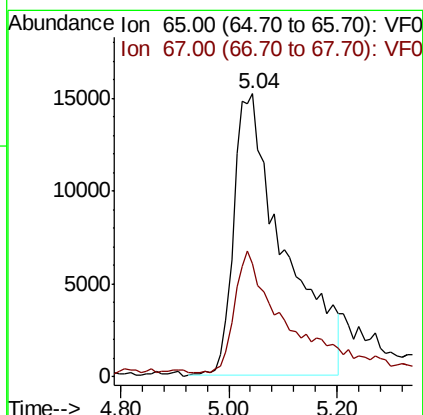
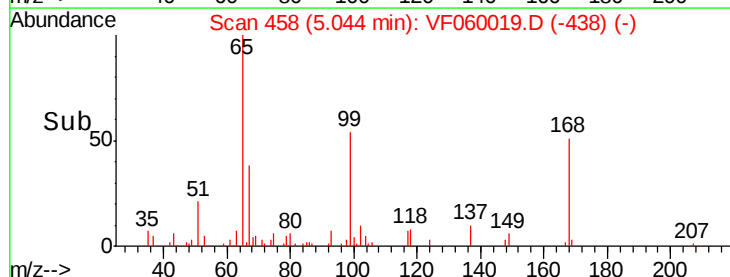
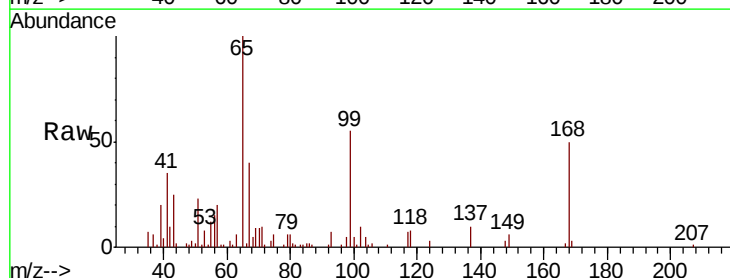
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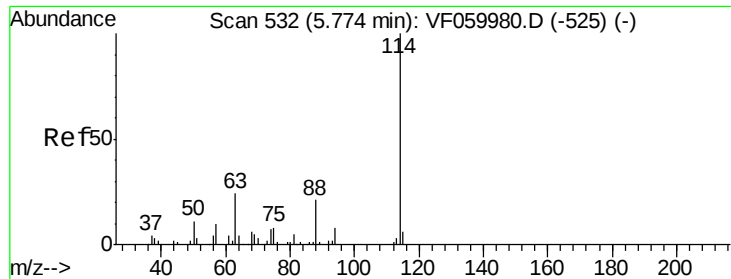
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#33
1,2-Dichloroethane-d4
Concen: 51.07 ug/l
RT: 5.04 min Scan# 458
Delta R.T. 0.00 min
Lab File: VF060019.D
Acq: 20 Aug 2018 23:06

Tgt Ion	Ratio	Lower	Upper
65	100		
67	39.8	0.0	82.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.78 min Scan# 533

Delta R.T. 0.00 min

Lab File: VF060019.D

Acq: 20 Aug 2018 23:06

Instrument :

MSVOA_F

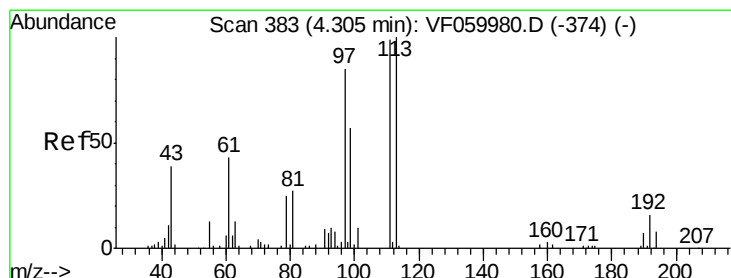
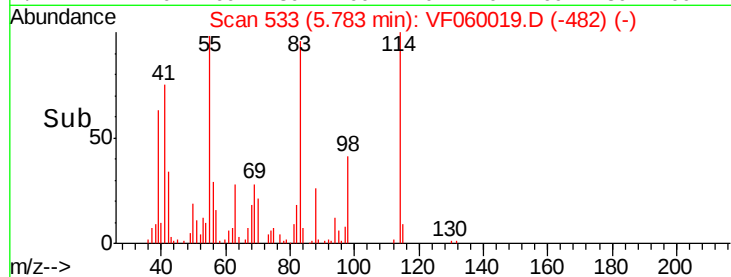
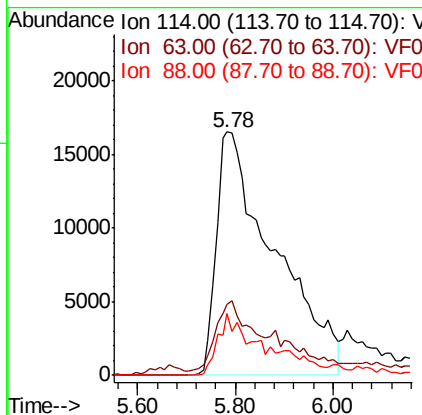
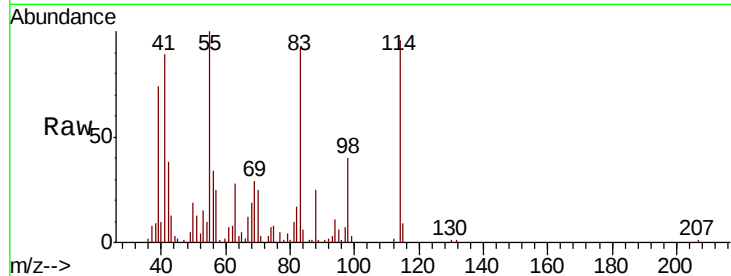
ClientSampleId :

EP1-WC4-UST-0818

Tot Ion:	114	Resp:	136449
Ion Ratio	Lower	Upper	
114	100		
63	29.0	0.0	48.6
88	25.6	0.0	42.8

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#35

Dibromofluoromethane

Concen: 48.16 ug/l

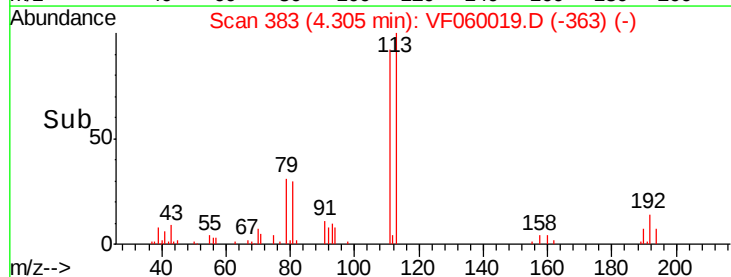
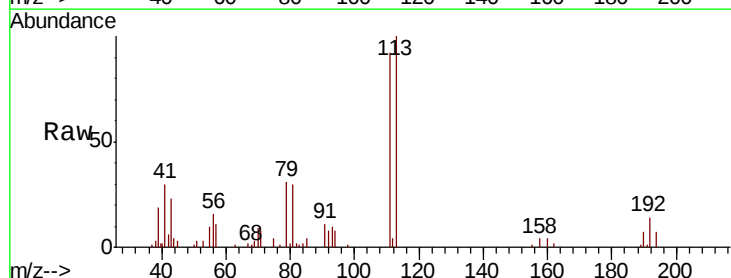
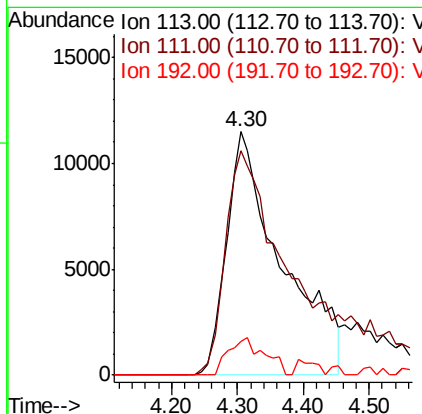
RT: 4.30 min Scan# 383

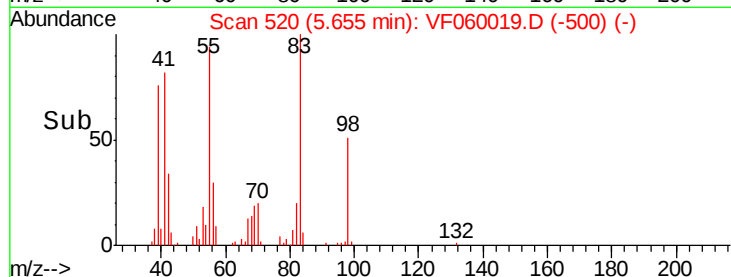
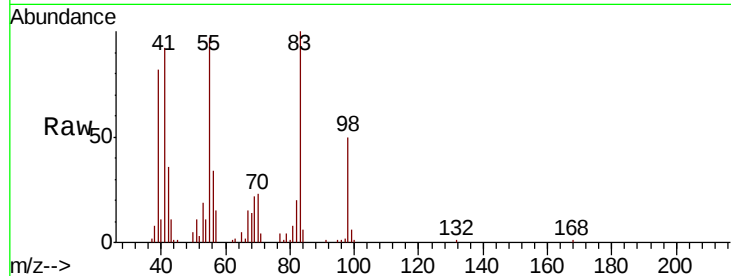
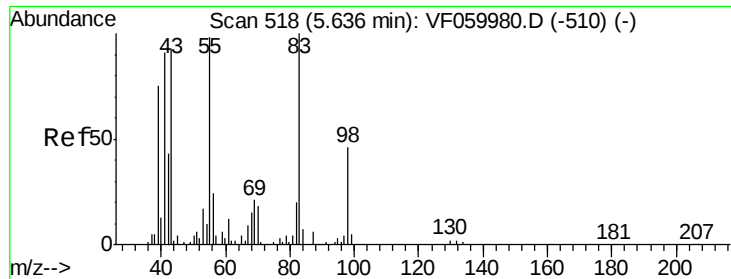
Delta R.T. 0.00 min

Lab File: VF060019.D

Acq: 20 Aug 2018 23:06

Tgt Ion:	113	Resp:	67163
Ion Ratio	Lower	Upper	
113	100		
111	92.2	79.5	119.3
192	13.7	12.4	18.6





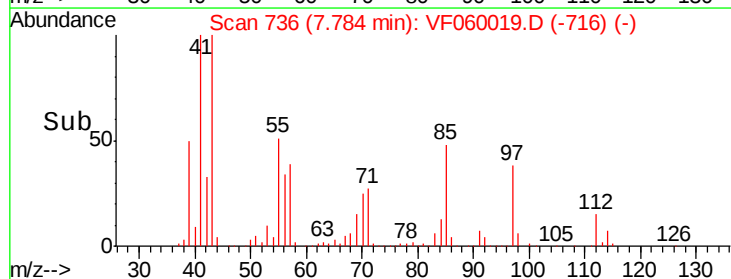
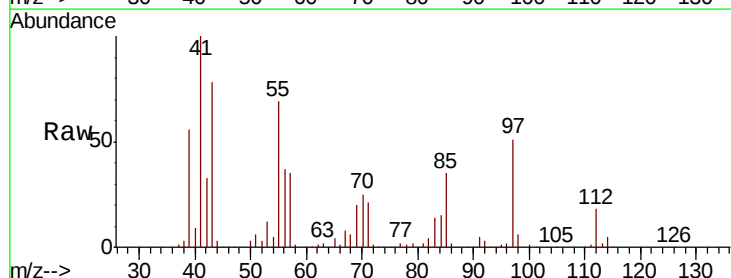
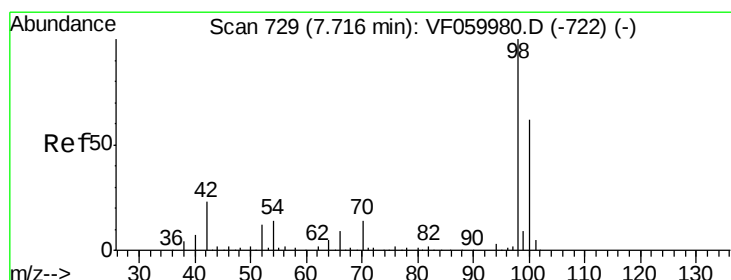
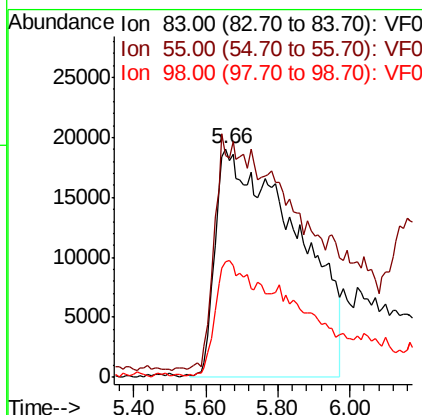
#39
Methylcyclohexane
Concen: 253.81 ug/l m
RT: 5.66 min Scan# 520
Delta R.T. 0.00 min
Lab File: VF060019.D
Acq: 20 Aug 2018 23:06

Tot Ion	Ratio	Lower	Upper
83	100		
55	97.1	78.8	118.2
98	50.4	36.8	55.2

Instrument :
MSVOA_F
ClientSampleId :
EP1-WC4-UST-0818

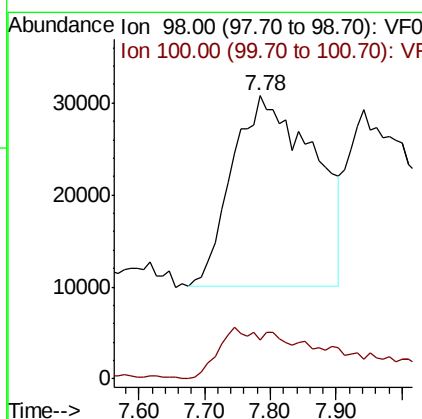
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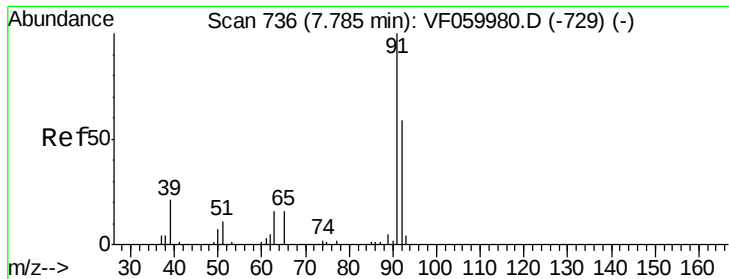
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#50
Toluene-d8
Concen: 57.87 ug/l
RT: 7.78 min Scan# 736
Delta R.T. 0.00 min
Lab File: VF060019.D
Acq: 20 Aug 2018 23:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	13.8	49.8	74.8#





#52

Toluene

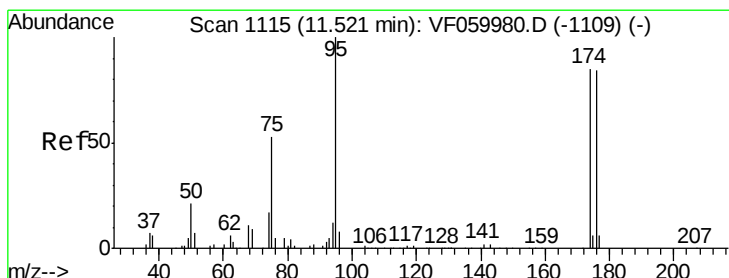
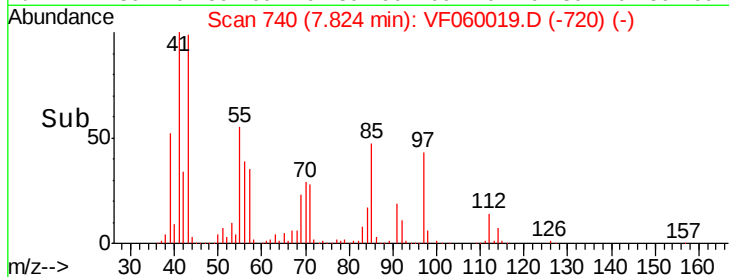
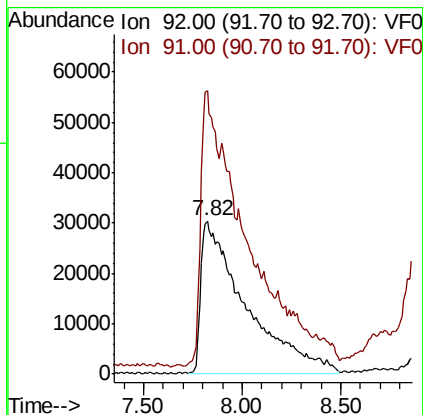
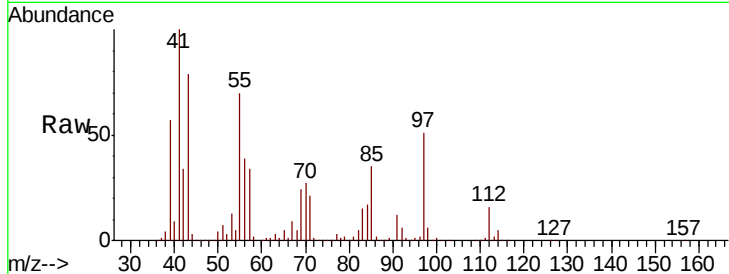
Concen: 245.63 ug/l m
RT: 7.82 min Scan# 740
Delta R.T. 0.00 min
Lab File: VF060019.D
Acq: 20 Aug 2018 23:06

Instrument :
MSVOA_F
ClientSampleId :
EP1-WC4-UST-0818

Tot Ion: 92 Resp: 483584
Ion Ratio Lower Upper
92 100
91 185.2 136.5 204.7

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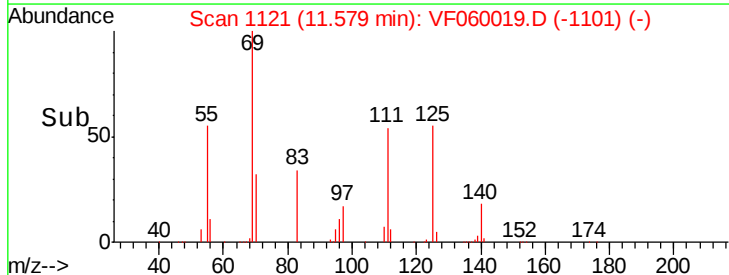
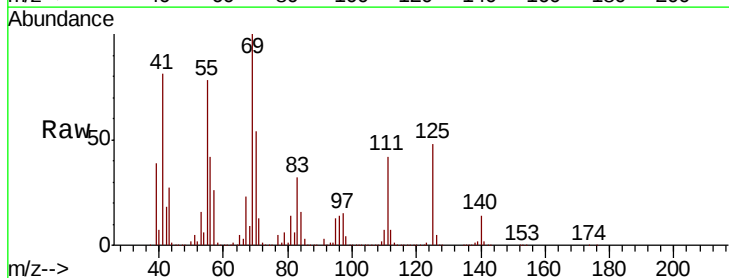
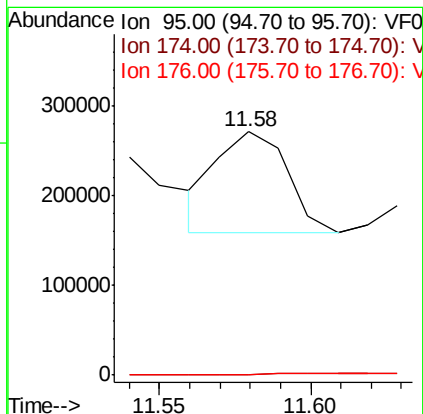


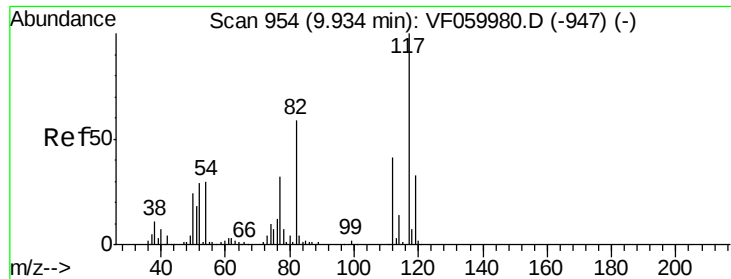
#62

4-Bromofluorobenzene

Concen: 96.72 ug/l
RT: 11.58 min Scan# 1121
Delta R.T. 0.00 min
Lab File: VF060019.D
Acq: 20 Aug 2018 23:06

Tgt Ion: 95 Resp: 184063
Ion Ratio Lower Upper
95 100
174 0.2 0.0 169.8
176 0.2 0.0 167.8





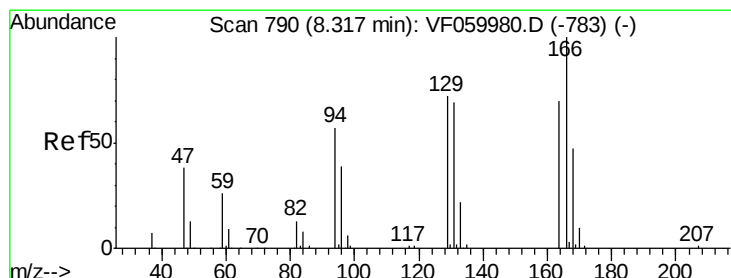
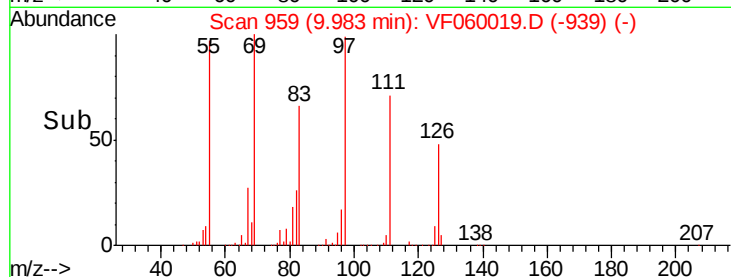
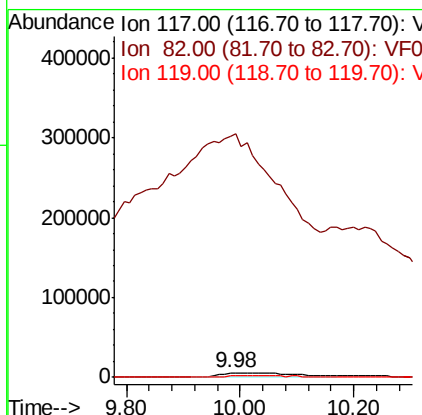
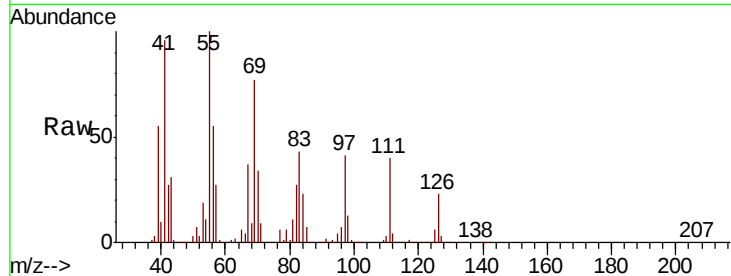
#63
Chlorobenzene-d5
Concen: 50.00 ug/l m
RT: 9.98 min Scan# 959
Delta R.T. 0.00 min
Lab File: VF060019.D
Acq: 20 Aug 2018 23:06

Instrument :
MSVOA_F
ClientSampleId :
EP1-WC4-UST-0818

Tot Ion:117 Resp: 54380
Ion Ratio Lower Upper
117 100
82 5415.6 47.2 70.8
119 31.9 26.1 39.1

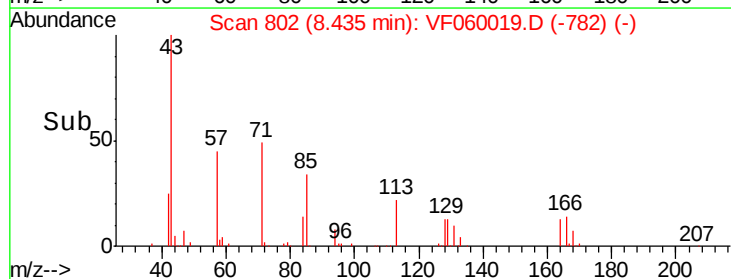
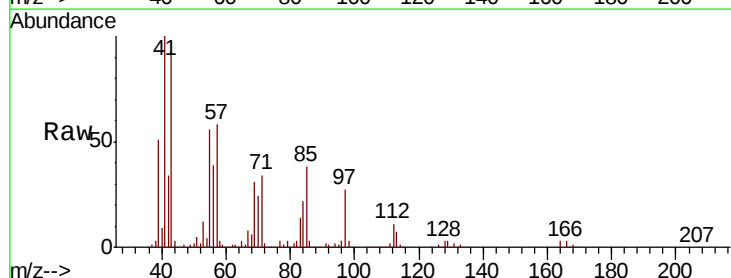
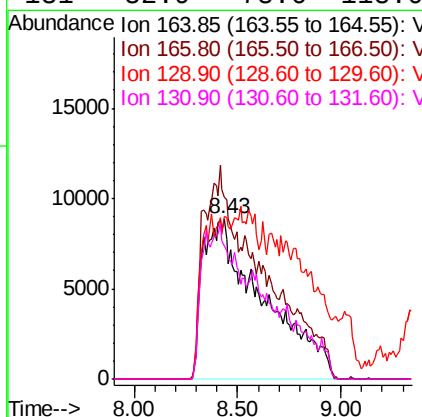
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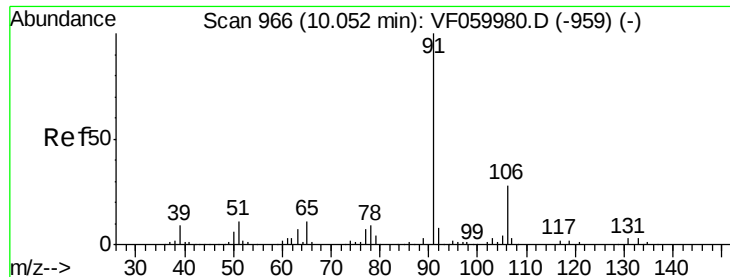
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#64
Tetrachloroethene
Concen: 431.84 ug/l m
RT: 8.43 min Scan# 802
Delta R.T. 0.00 min
Lab File: VF060019.D
Acq: 20 Aug 2018 23:06

Tgt Ion:164 Resp: 178937
Ion Ratio Lower Upper
164 100
166 112.9 114.5 171.7#
129 101.6 82.3 123.5
131 82.9 78.6 118.0





#67

Ethyl Benzene

Concen: 2194.55 ug/l

RT: 10.13 min Scan# 974

Delta R.T. 0.00 min

Lab File: VF060019.D

Acq: 20 Aug 2018 23:06

Instrument :

MSVOA_F

ClientSampleId :

EP1-WC4-UST-0818

Tot Ion: 91 Resp: 4276475

Ion Ratio Lower Upper

91 100

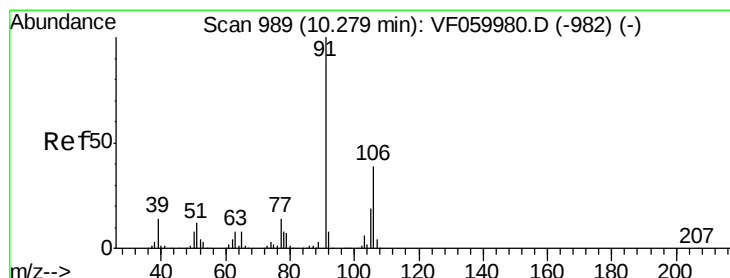
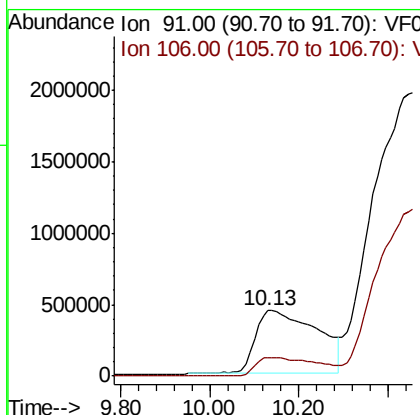
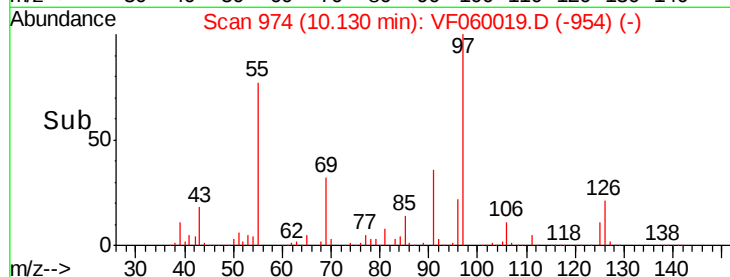
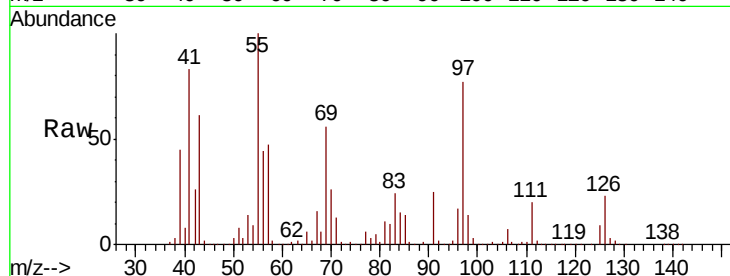
106 28.8 22.0 33.0

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#68

m/p-Xylenes

Concen: 36064.26 ug/l m

RT: 10.50 min Scan# 1012

Delta R.T. 0.35 min

Lab File: VF060019.D

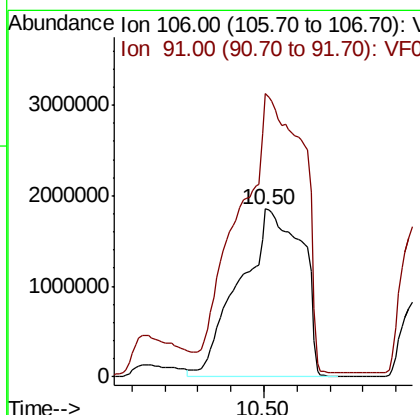
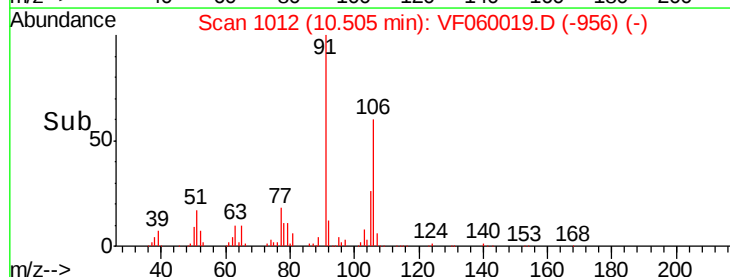
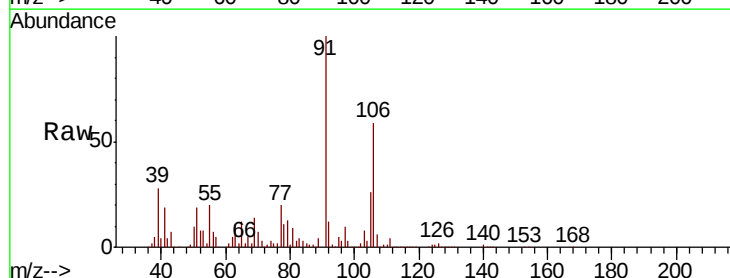
Acq: 20 Aug 2018 23:06

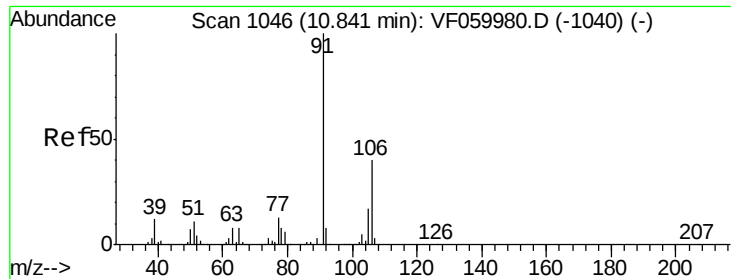
Tgt Ion: 106 Resp: 24349524

Ion Ratio Lower Upper

106 100

91 168.6 203.5 305.3#





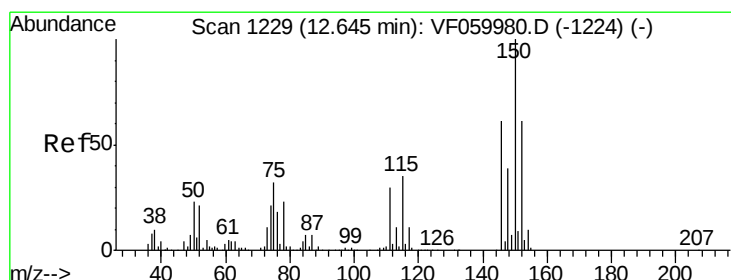
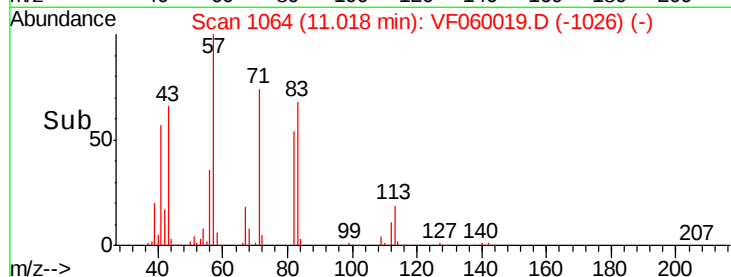
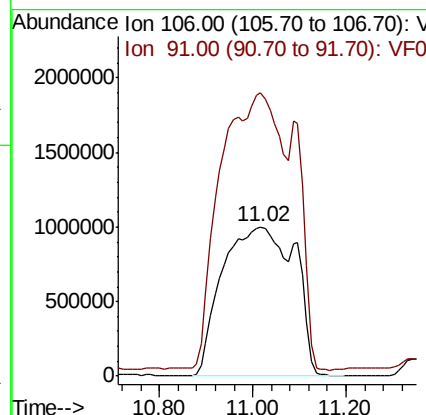
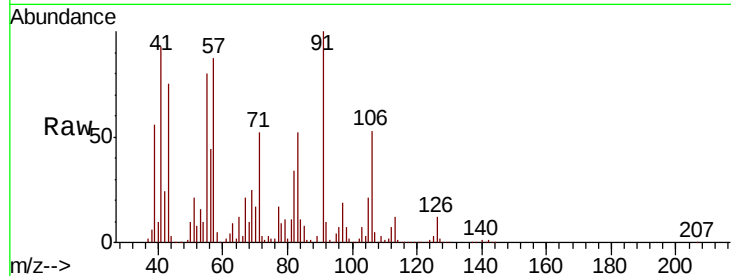
#69
o-Xylene
Concen: 15655.12 ug/l m
RT: 11.02 min Scan# 1064
Delta R.T. 0.18 min
Lab File: VF060019.D
Acq: 20 Aug 2018 23:06

Instrument :
MSVOA_F
ClientSampleId :
EP1-WC4-UST-0818

Tot Ion:106 Resp:10835706
Ion Ratio Lower Upper
106 100
91 189.7 125.4 376.2

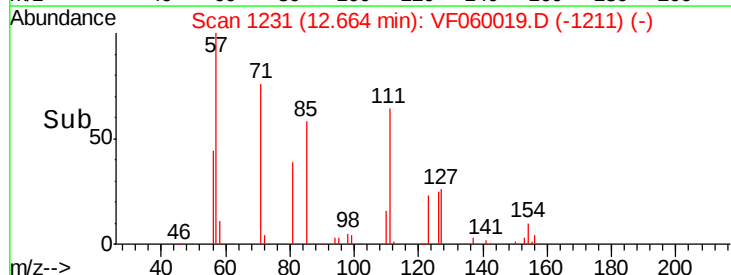
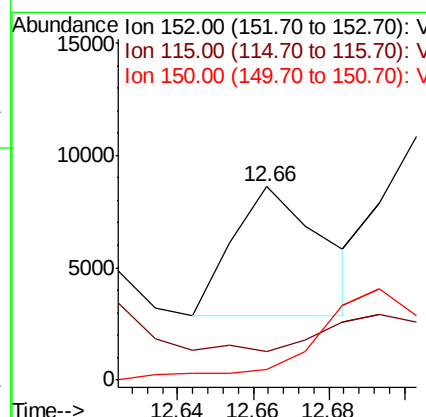
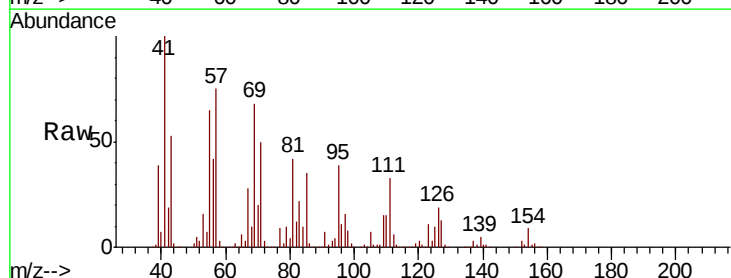
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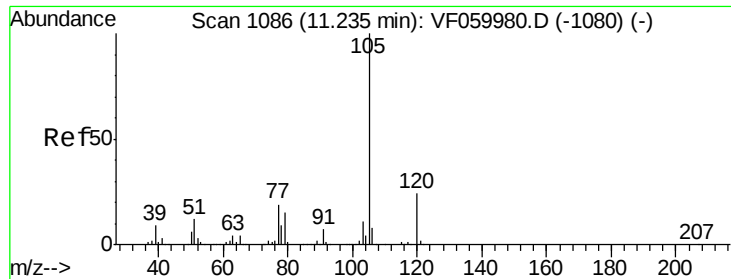
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.66 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VF060019.D
Acq: 20 Aug 2018 23:06

Tgt Ion:152 Resp: 9475
Ion Ratio Lower Upper
152 100
115 14.6 29.1 87.3#
150 5.3 0.0 330.2





#73

Isopropylbenzene

Concen: 12508.30 ug/l

RT: 11.34 min Scan# 1097

Delta R.T. 0.00 min

Lab File: VF060019.D

Acq: 20 Aug 2018 23:06

Instrument :

MSVOA_F

ClientSampleId :

EP1-WC4-UST-0818

Tot Ion:105 Resp: 7104907

Ion Ratio Lower Upper

105 100

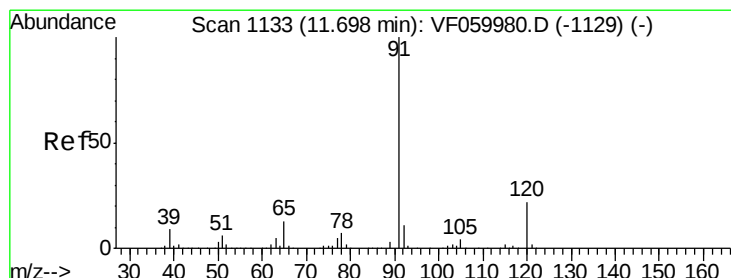
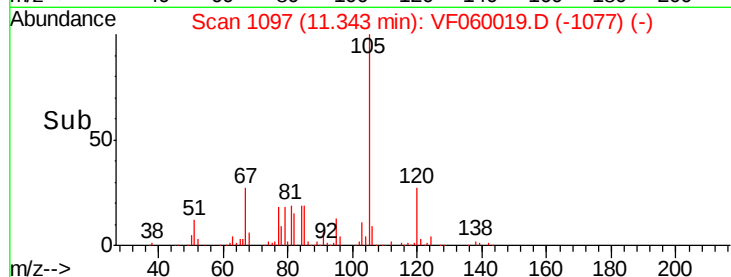
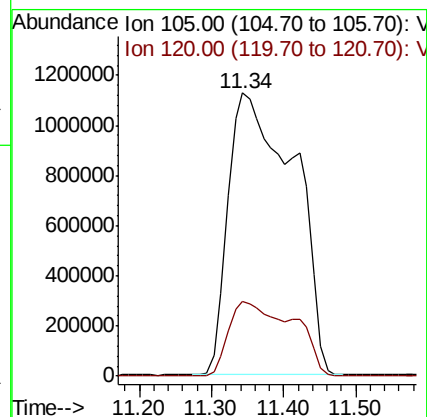
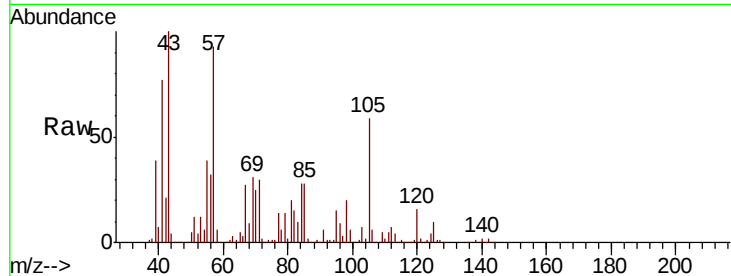
120 26.5 11.9 35.5

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#78

n-propylbenzene

Concen: 11316.93 ug/l m

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF060019.D

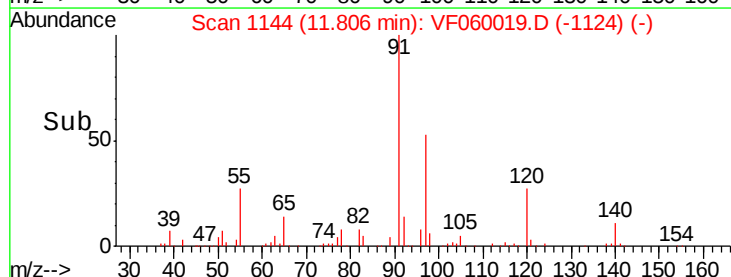
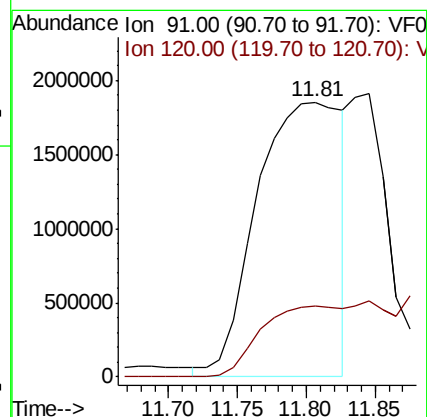
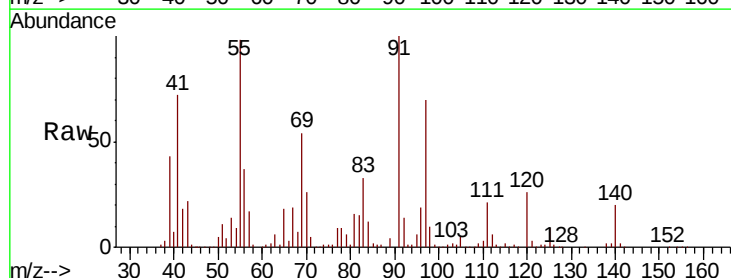
Acq: 20 Aug 2018 23:06

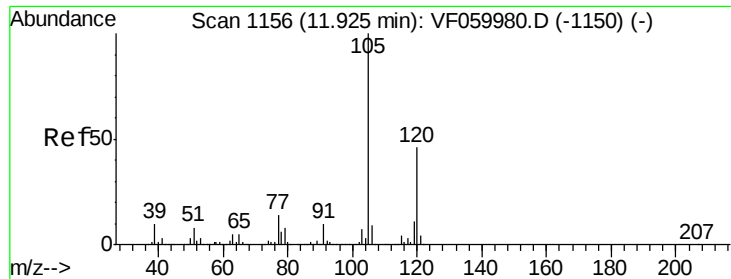
Tgt Ion: 91 Resp: 7980316

Ion Ratio Lower Upper

91 100

120 25.8 11.0 33.0





#80

1,3,5-Trimethylbenzene

Concen: 39173.32 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF060019.D

Acq: 20 Aug 2018 23:06

Instrument :

MSVOA_F

ClientSampleId :

EP1-WC4-UST-0818

Tot Ion:105 Resp:20118271

Ion Ratio Lower Upper

105 100

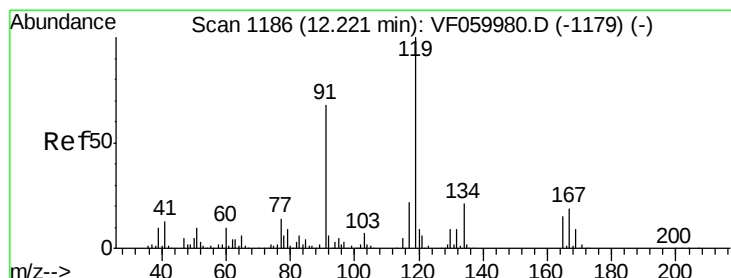
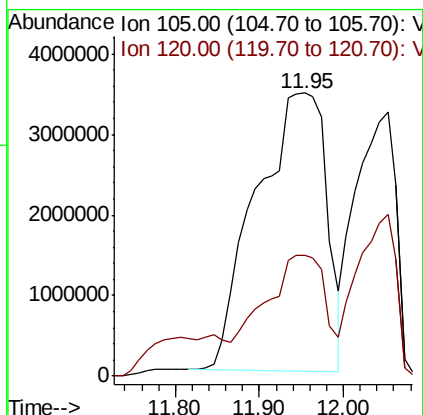
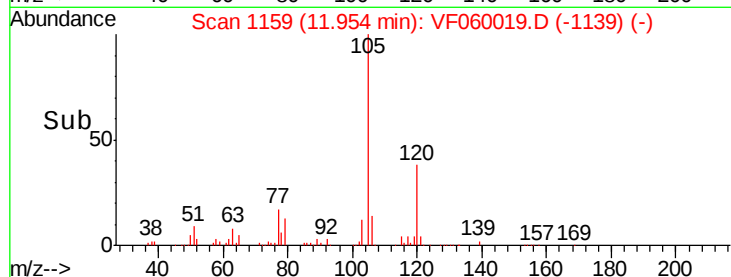
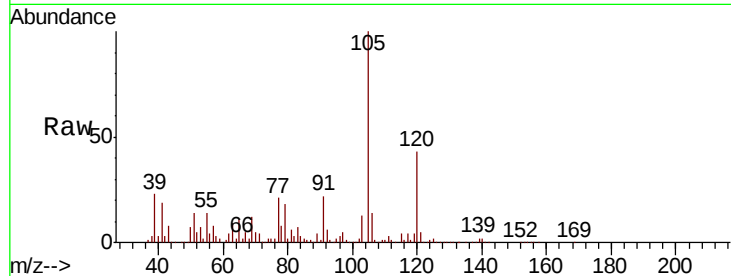
120 42.7 22.9 68.7

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#83

tert-Butylbenzene

Concen: 1679.87 ug/l

RT: 12.31 min Scan# 1195

Delta R.T. 0.00 min

Lab File: VF060019.D

Acq: 20 Aug 2018 23:06

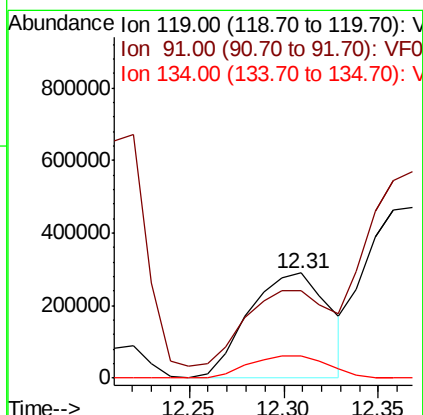
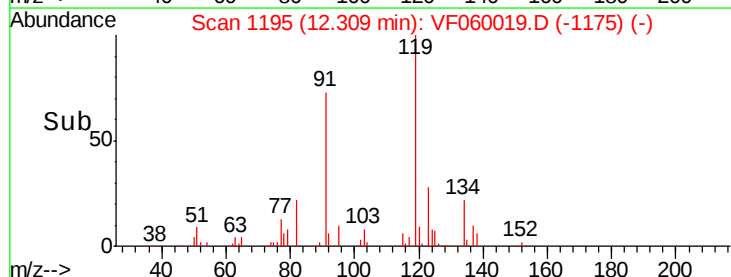
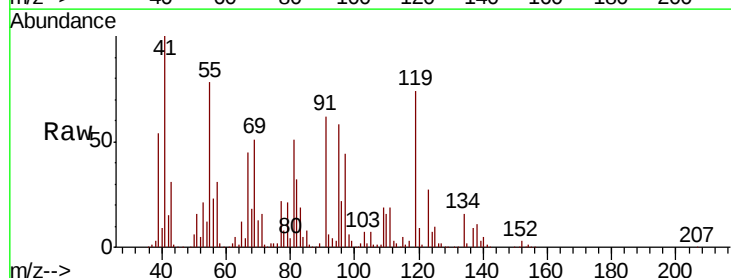
Tgt Ion:119 Resp: 847624

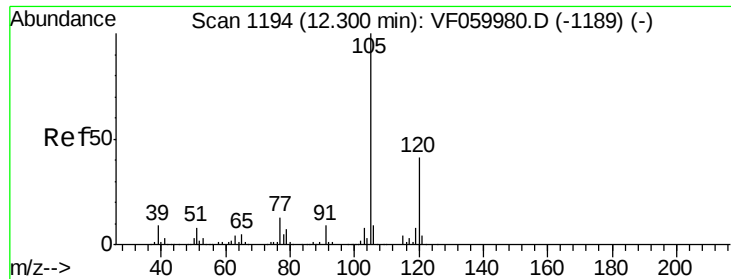
Ion Ratio Lower Upper

119 100

91 83.3 34.1 102.2

134 21.5 10.5 31.6





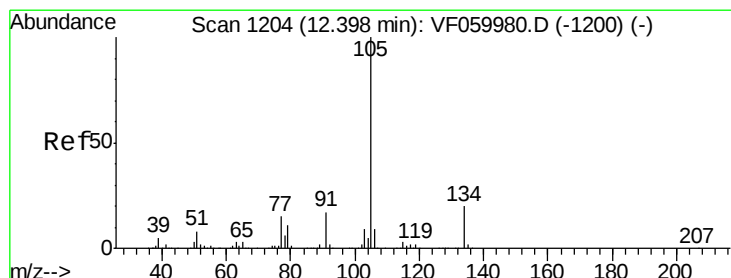
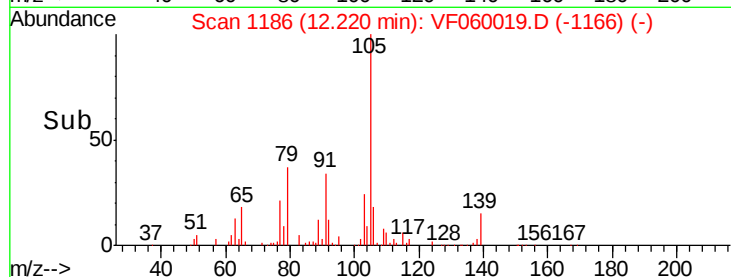
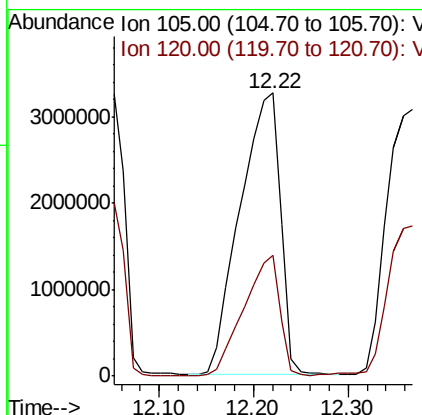
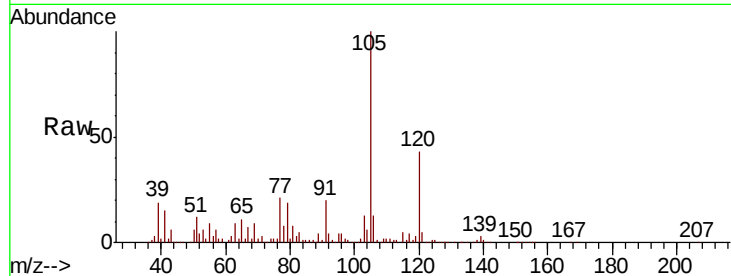
#84
 1,2,4-Trimethylbenzene
 Concen: 17871.80 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VF060019.D
 Acq: 20 Aug 2018 23:06

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-WC4-UST-0818

Tot Ion:105 Resp: 9664652
 Ion Ratio Lower Upper
 105 100
 120 42.8 20.9 62.7

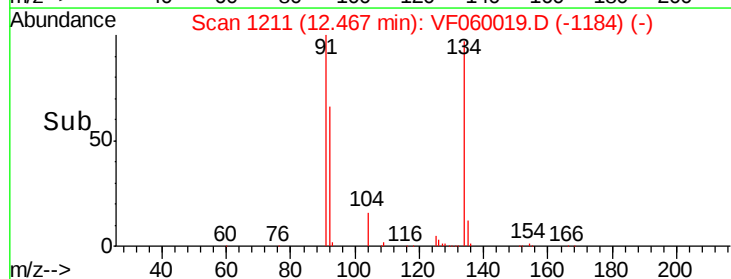
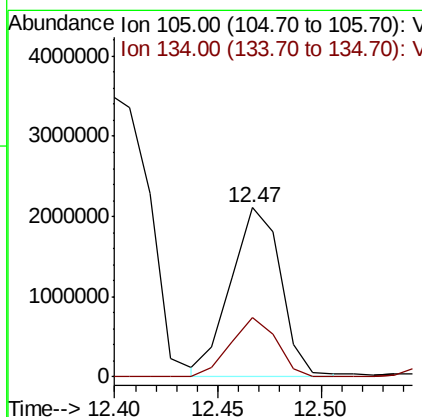
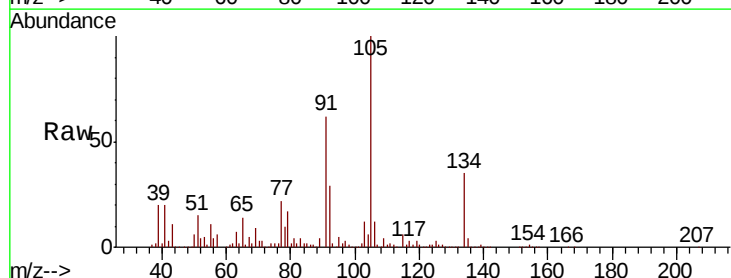
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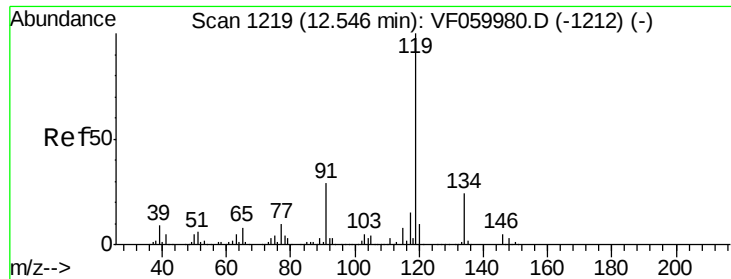
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#85
 sec-Butylbenzene
 Concen: 5328.17 ug/l m
 RT: 12.47 min Scan# 1211
 Delta R.T. 0.07 min
 Lab File: VF060019.D
 Acq: 20 Aug 2018 23:06

Tgt Ion:105 Resp: 3553838
 Ion Ratio Lower Upper
 105 100
 134 35.3 9.8 29.5#





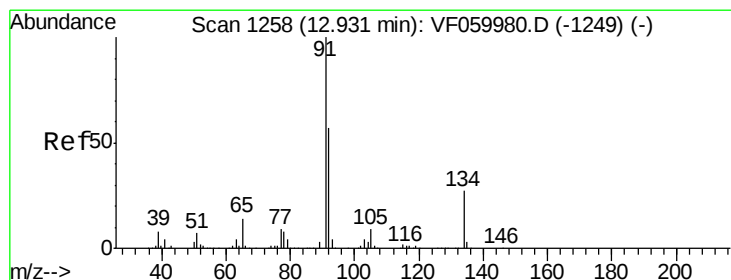
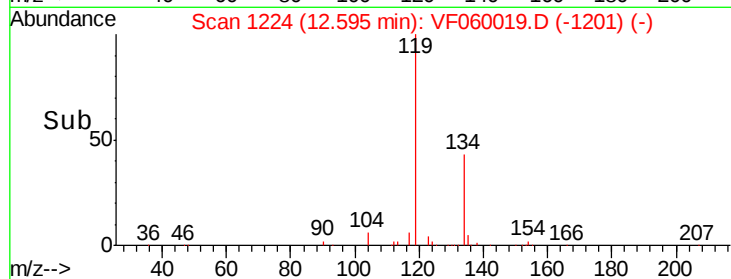
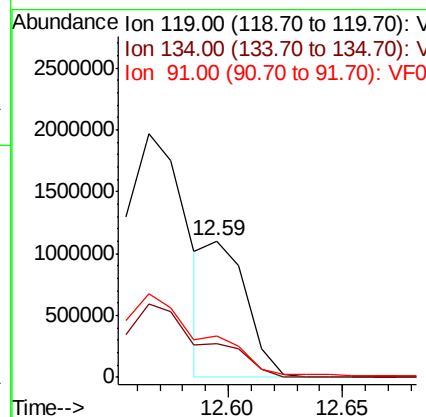
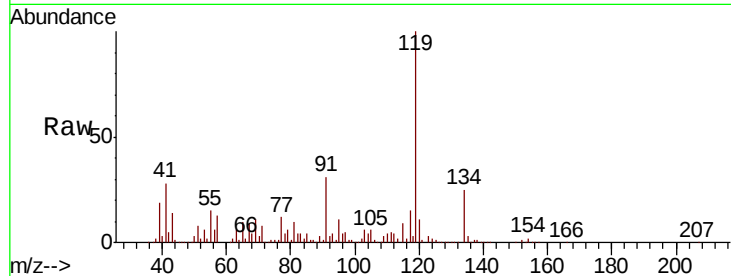
#86
p-Isopropyltoluene
Concen: 2288.83 ug/l m
RT: 12.59 min Scan# 1224
Delta R.T. 0.03 min
Lab File: VF060019.D
Acq: 20 Aug 2018 23:06

Instrument :
MSVOA_F
ClientSampleId :
EP1-WC4-UST-0818

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.8	12.1	36.3
91	30.6	14.4	43.4

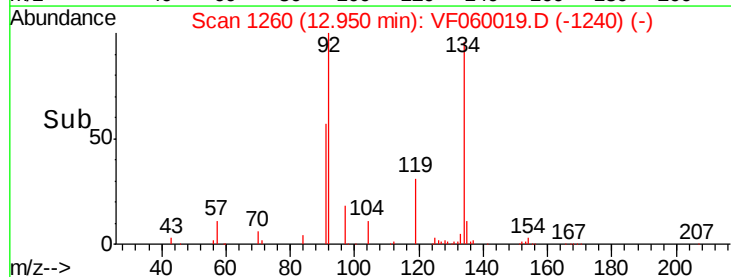
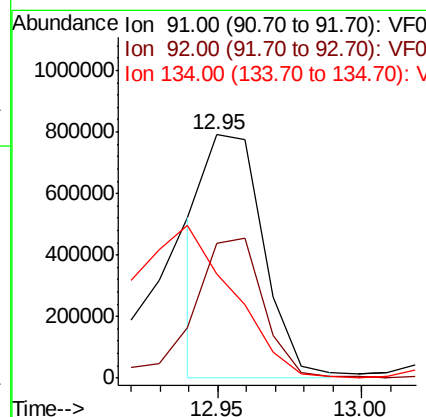
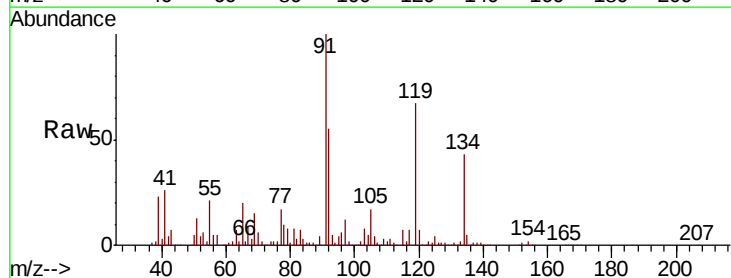
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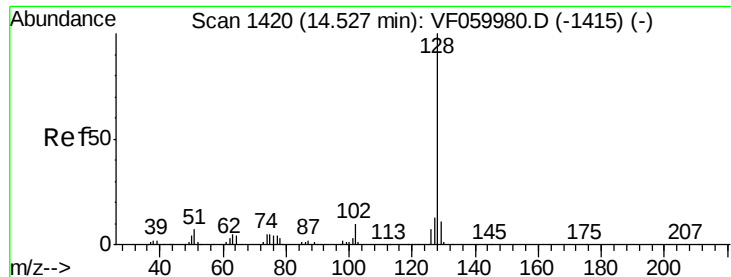
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#89
n-Butylbenzene
Concen: 1954.08 ug/l m
RT: 12.95 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VF060019.D
Acq: 20 Aug 2018 23:06

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.2	28.7	86.3
134	42.5	13.3	39.9





#95
 Naphthalene
 Concen: 294.76 ug/l
 RT: 14.53 min Scan# 1420
 Delta R.T. 0.00 min
 Lab File: VF060019.D
 Acq: 20 Aug 2018 23:06

Instrument :
 MSVOA_F
 ClientSampleId :
 EP1-WC4-UST-0818

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	12.6	9.0	13.4

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