

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060419\
 Data File : VF062841.D
 Acq On : 4 Jun 2019 16:20
 Operator : FY/SY
 Sample : K3171-04
 Misc : 4.00g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-SF-03-008-B

Manual Integrations
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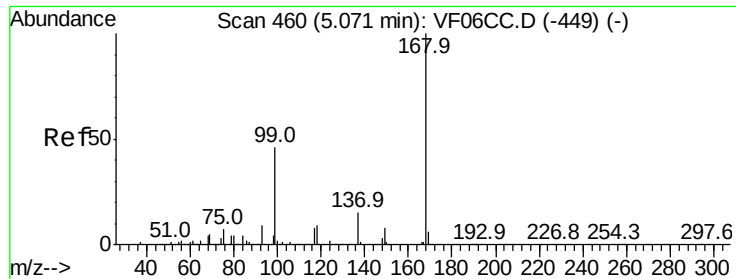
Quant Time: Jun 05 06:26:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	676257	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.78	114	1140298	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	763575	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	210962	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	191943	41.05	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	82.10%	
35) Dibromofluoromethane	4.31	113	43376	5.03	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	10.06%	
50) Toluene-d8	7.71	98	758623	34.82	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	69.64%	
62) 4-Bromofluorobenzene	11.50	95	229113	29.23	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	58.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.35	43	72002	67.272	ug/l	92
40) Benzene	4.82	78	34378	1.125	ug/l #	87
44) Trichloroethene	5.68	130	9256	1.073	ug/l	87
52) Toluene	7.78	92	110644	6.724	ug/l	88
67) Ethyl Benzene	10.03	91	36348	1.436	ug/l #	85
68) m/p-Xylenes	10.26	106	36765	3.797	ug/l	83
69) o-Xylene	10.82	106	21244	2.167	ug/l	70
70) Styrene	10.90	104	146926	10.168	ug/l	96
73) Isopropylbenzene	11.22	105	22727	1.544	ug/l	88
78) n-propylbenzene	11.67	91	32504	1.829	ug/l	80
80) 1,3,5-Trimethylbenzene	11.89	105	35200	2.924	ug/l	90
82) 4-Chlorotoluene	11.97	91	11899	1.191	ug/l	89
84) 1,2,4-Trimethylbenzene	12.27	105	87212	7.641	ug/l	88
85) sec-Butylbenzene	12.37	105	18291	1.164	ug/l	94
86) p-Isopropyltoluene	12.52	119	22241m	1.700	ug/l	
89) n-Butylbenzene	12.90	91	18671	1.419	ug/l	94
91) 1,2-Dichlorobenzene	13.00	146	6530	1.139	ug/l	79
95) Naphthalene	14.49	128	428873	66.501	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. -0.01 min

Lab File: VF062841.D

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Instrument :

MSVOA_F

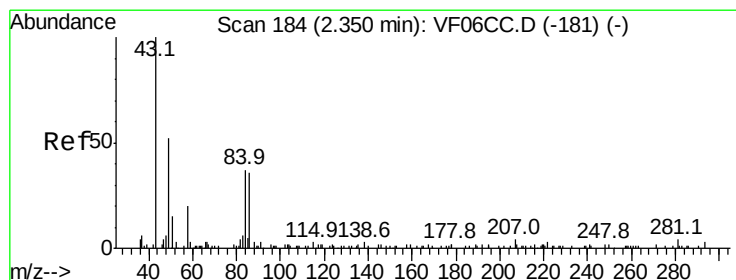
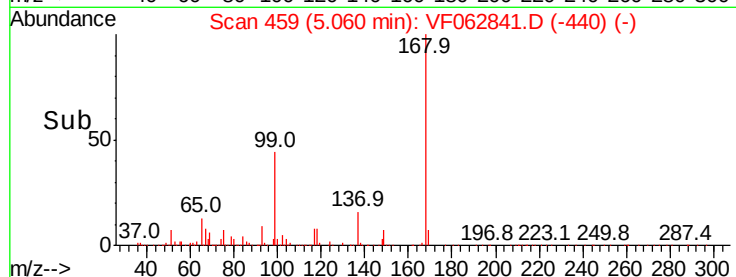
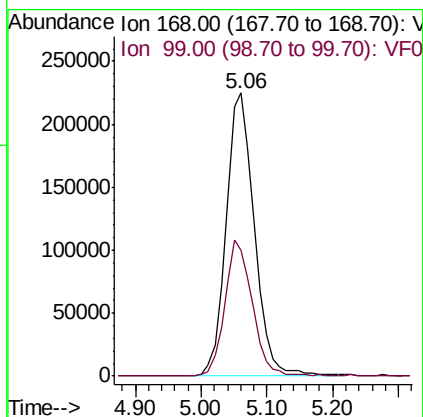
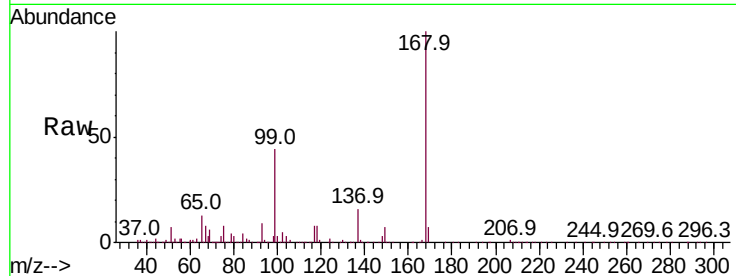
ClientSampleId :

FK-SF-03-008-B

Tot Ion	Ratio	Resp	Lower	Upper
168	100	676257		
99	44.4	39.1	58.7	

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#16

Acetone

Concen: 67.272 ug/l

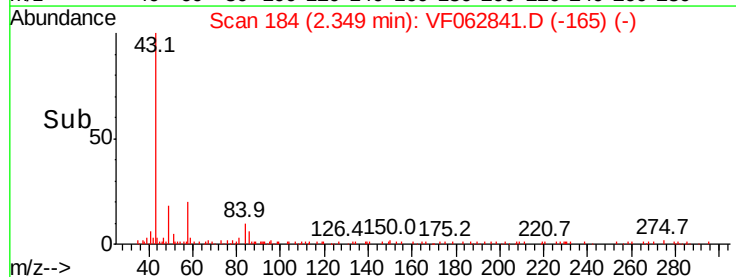
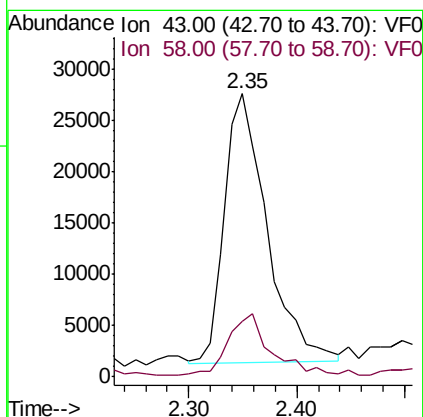
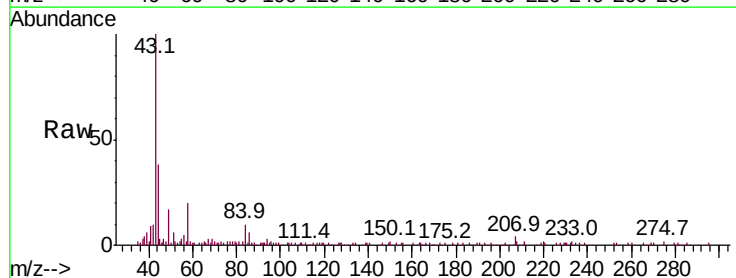
RT: 2.35 min Scan# 184

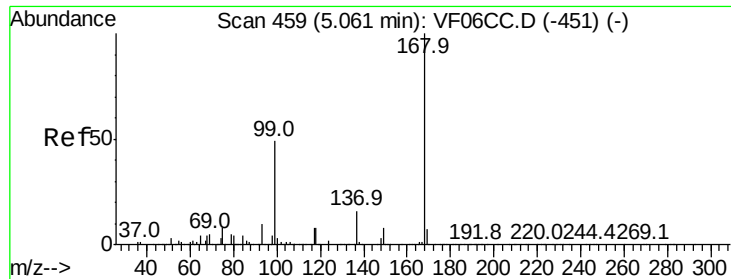
Delta R.T. -0.01 min

Lab File: VF062841.D

Acq: 4 Jun 2019 16:20

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	72002		
58	19.7	19.0	28.4	





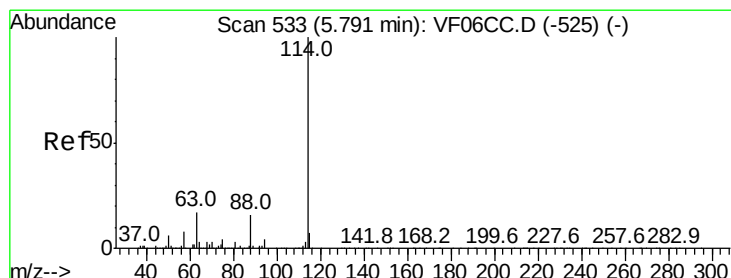
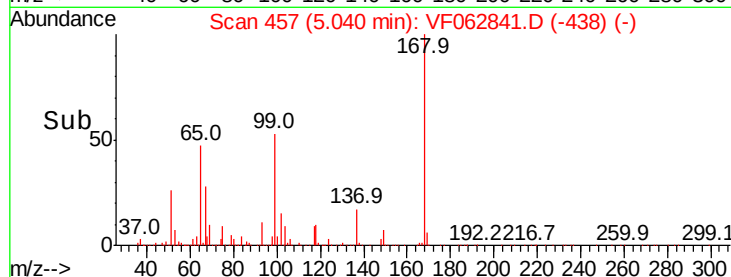
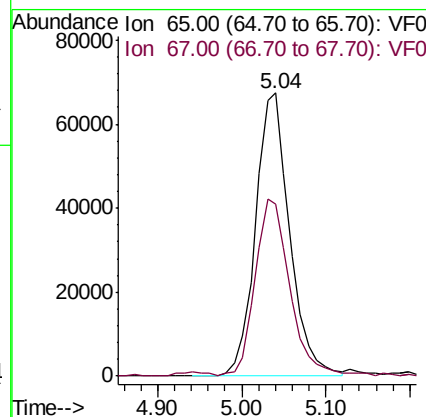
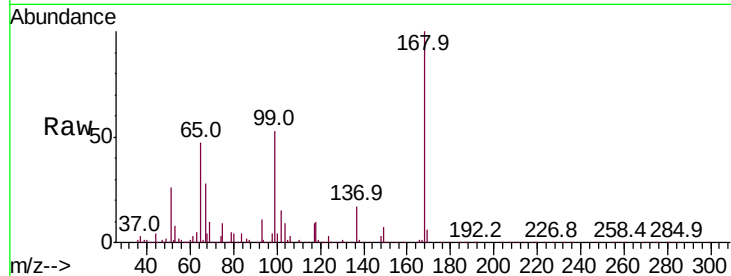
#33
 1,2-Dichloroethane-d4
 Concen: 41.045 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. -0.01 min
 Lab File: VF062841.D
 Acq: 4 Jun 2019 16:20

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-SF-03-008-B

Tot Ion	Ratio	Resp	Lower	Upper
65	100	191943		
67	60.8	0.0	121.2	

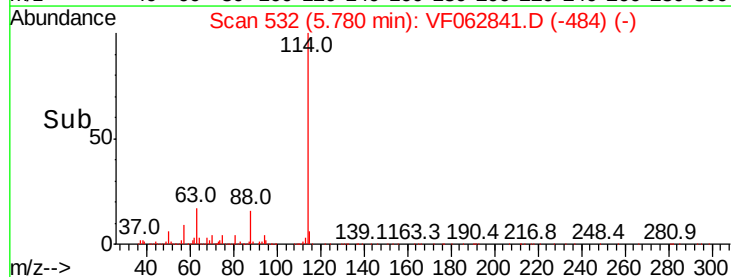
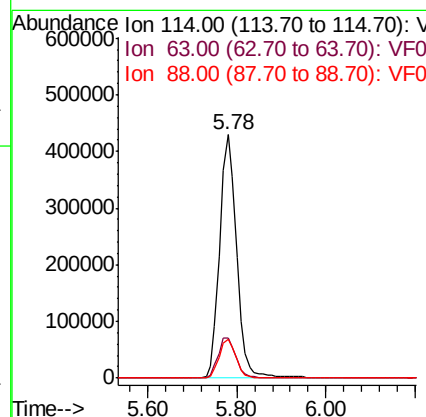
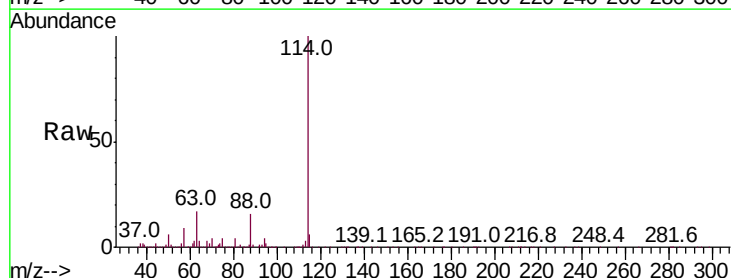
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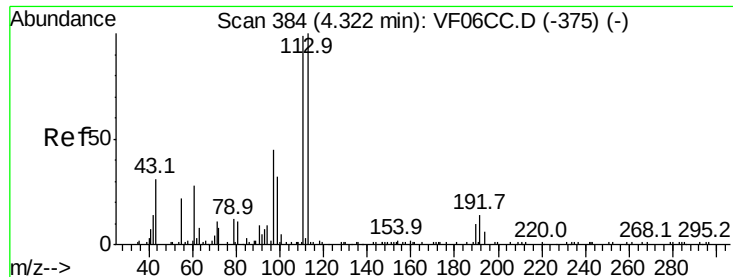
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. -0.02 min
 Lab File: VF062841.D
 Acq: 4 Jun 2019 16:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1140298		
63	16.6	0.0	34.2	
88	15.8	0.0	31.2	





#35

Dibromofluoromethane

Concen: 5.034 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.02 min

Lab File: VF062841.D

Acq: 4 Jun 2019 16:20

Instrument :

MSVOA_F

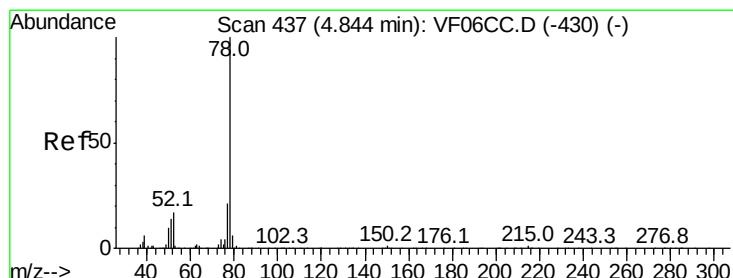
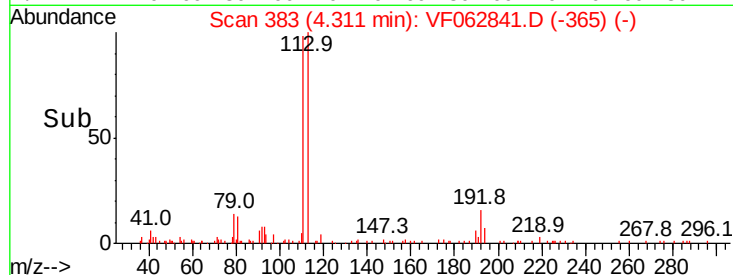
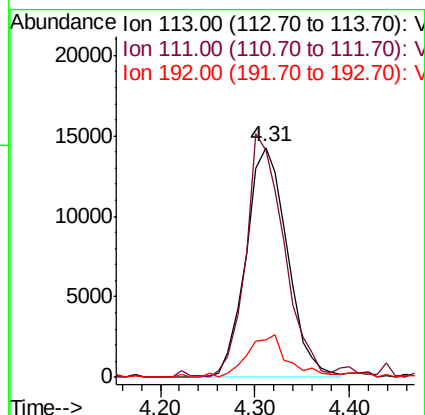
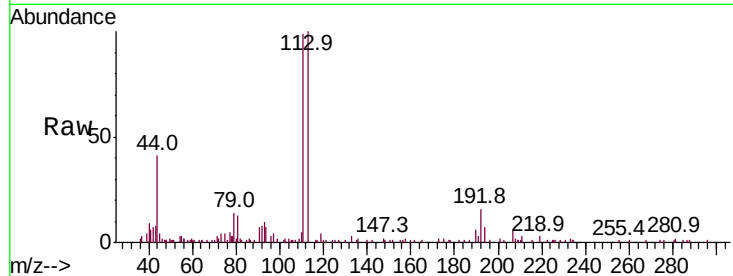
ClientSampleId :

FK-SF-03-008-B

Tot Ion:	113	Resp:	43376
Ion Ratio	Lower	Upper	
113	100		
111	98.7	81.9	122.9
192	16.4	15.1	22.7

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#40

Benzene

Concen: 1.125 ug/l

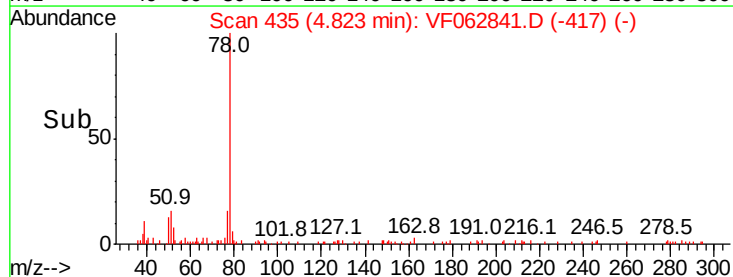
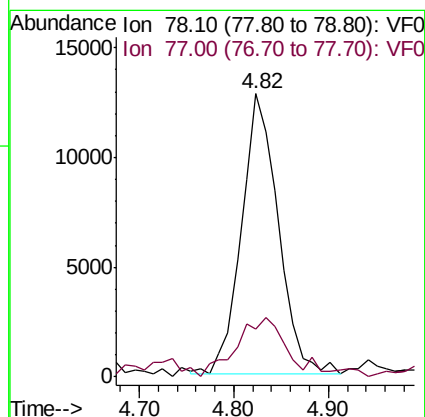
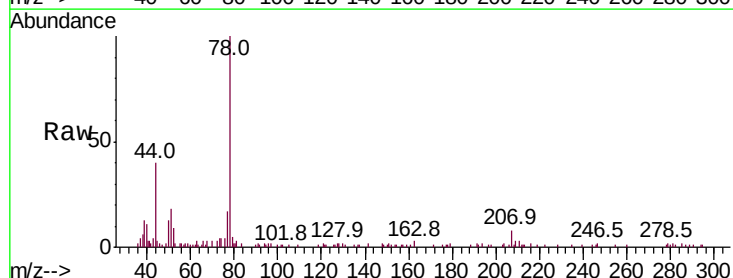
RT: 4.82 min Scan# 435

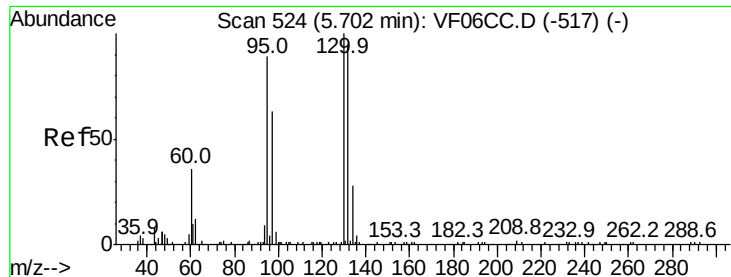
Delta R.T. -0.02 min

Lab File: VF062841.D

Acq: 4 Jun 2019 16:20

Tgt Ion:	78	Resp:	34378
Ion Ratio	Lower	Upper	
78	100		
77	17.0	18.9	28.3#





#44

Trichloroethene

Concen: 1.073 ug/l

RT: 5.68 min Scan# 522

Delta R.T. -0.02 min

Lab File: VF062841.D

Acq: 4 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

FK-SF-03-008-B

Tot Ion:130 Resp: 9256

Ion Ratio Lower Upper

130 100

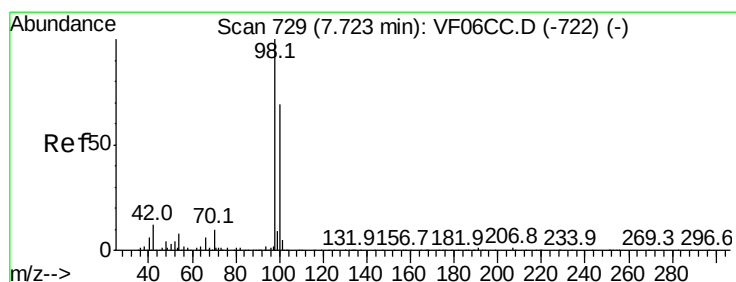
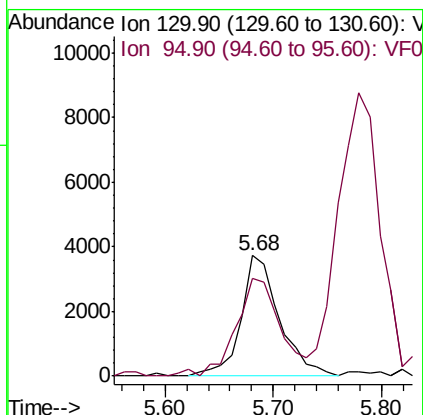
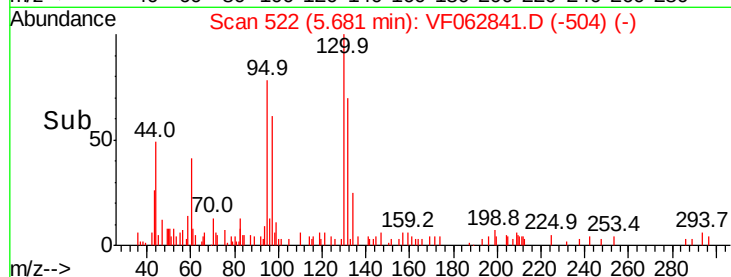
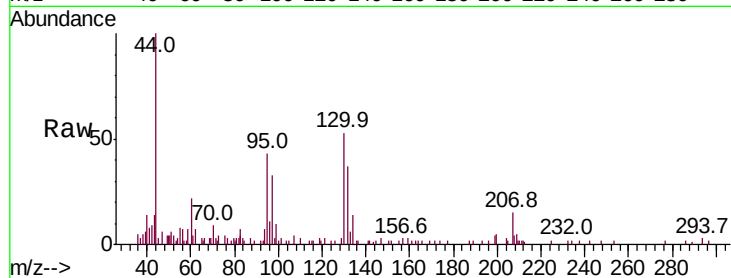
95 81.4 0.0 188.2

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#50

Toluene-d8

Concen: 34.816 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.02 min

Lab File: VF062841.D

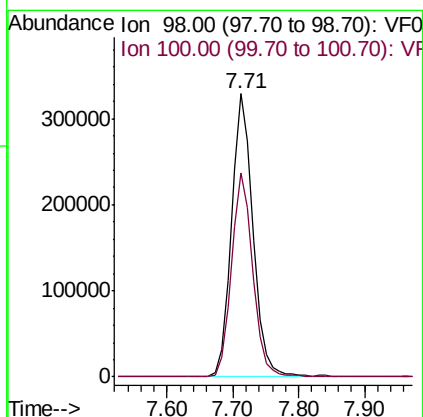
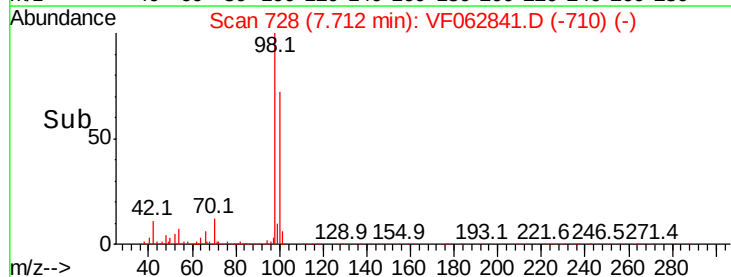
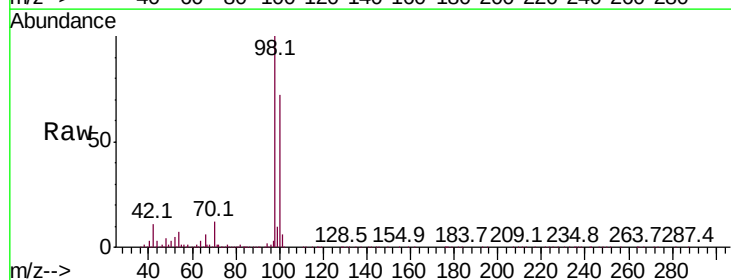
Acq: 4 Jun 2019 16:20

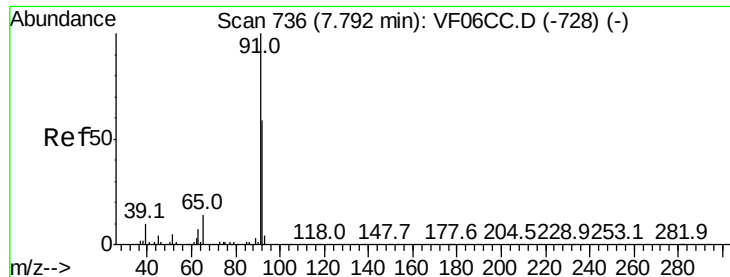
Tgt Ion: 98 Resp: 758623

Ion Ratio Lower Upper

98 100

100 72.0 59.8 89.8





#52

Toluene

Concen: 6.724 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.02 min

Lab File: VF062841.D

Acq: 4 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

FK-SF-03-008-B

Tot Ion: 92 Resp: 110644

Ion Ratio Lower Upper

92 100

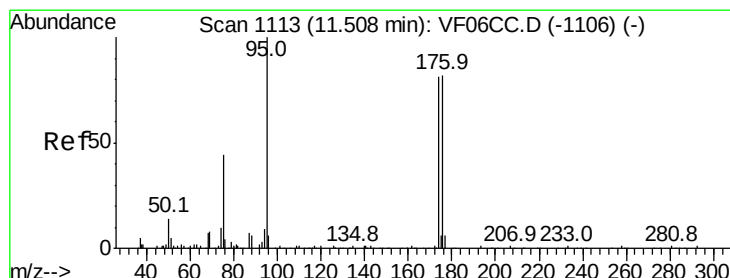
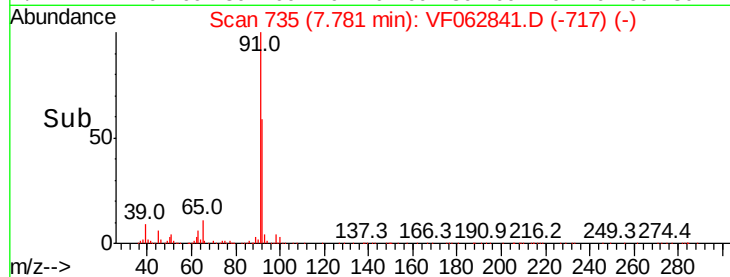
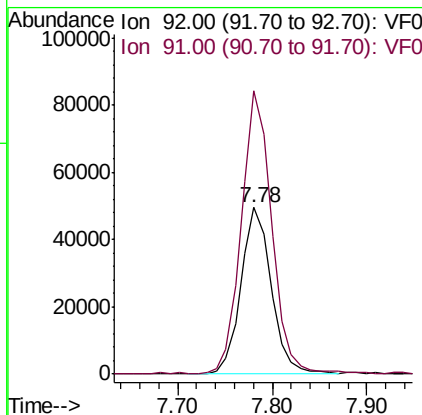
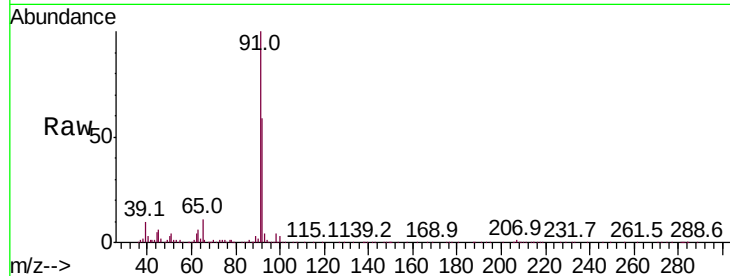
91 170.1 123.2 184.8

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#62

4-Bromofluorobenzene

Concen: 29.231 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF062841.D

Acq: 4 Jun 2019 16:20

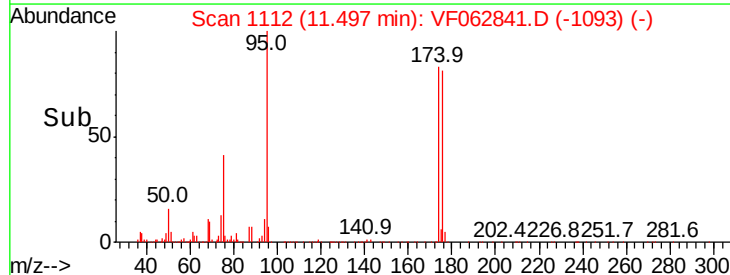
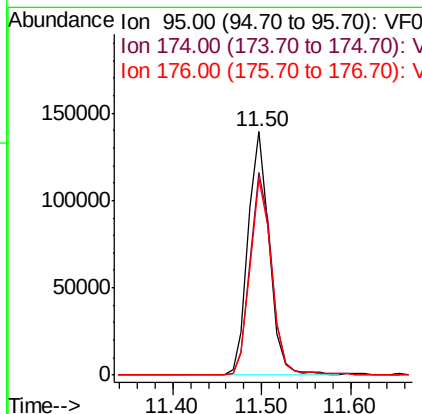
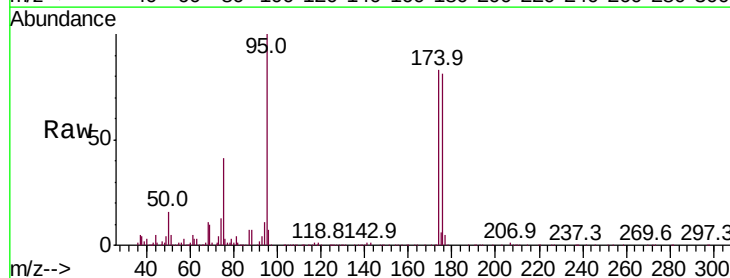
Tgt Ion: 95 Resp: 229113

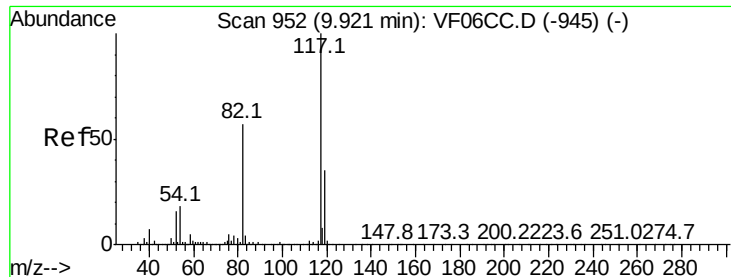
Ion Ratio Lower Upper

95 100

174 83.0 0.0 170.6

176 80.8 0.0 170.6





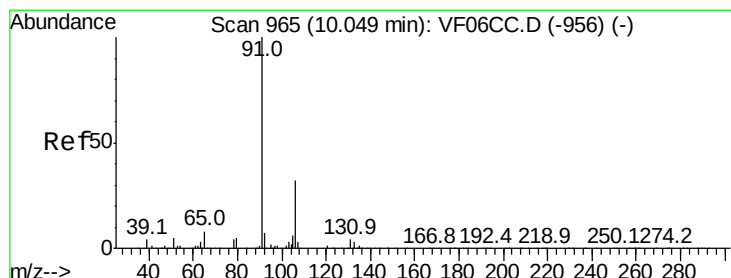
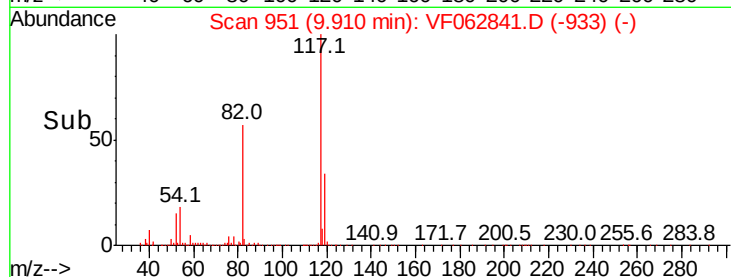
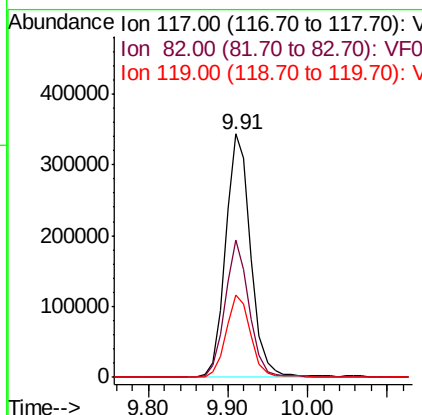
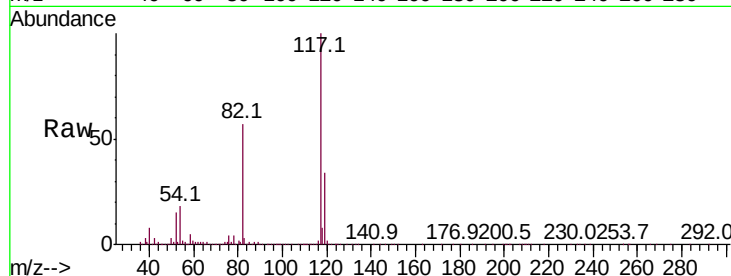
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.02 min
Lab File: VF062841.D
Acq: 4 Jun 2019 16:20

Instrument :
MSVOA_F
ClientSampleId :
FK-SF-03-008-B

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	56.6	42.4	63.6
119	33.7	27.1	40.7

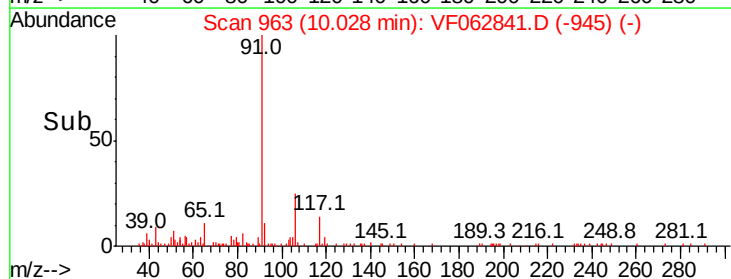
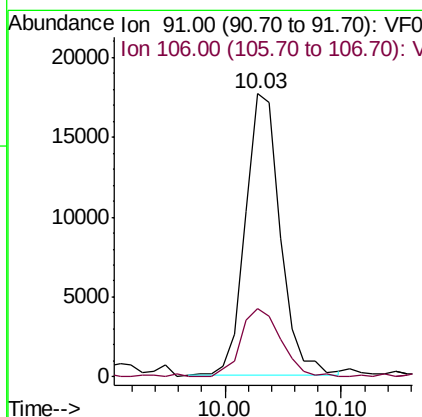
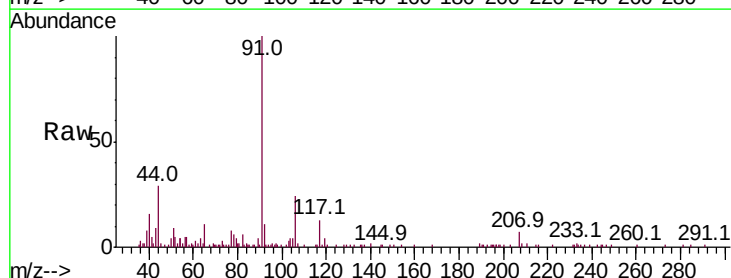
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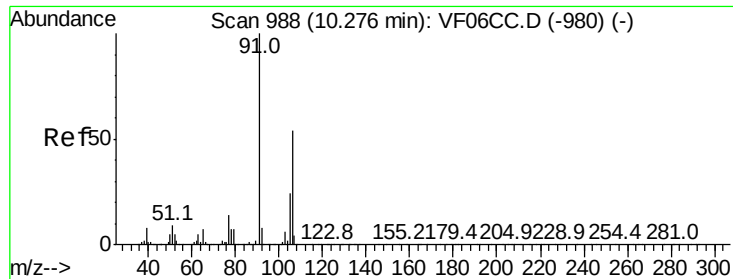
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#67
Ethyl Benzene
Concen: 1.436 ug/l
RT: 10.03 min Scan# 963
Delta R.T. -0.02 min
Lab File: VF062841.D
Acq: 4 Jun 2019 16:20

Tgt Ion	Ratio	Resp Lower	Upper
91	100		
106	24.2	26.0	39.0#





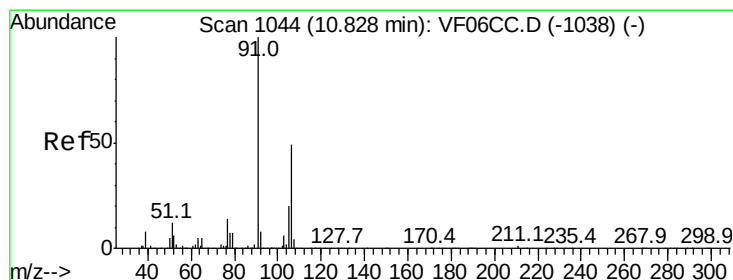
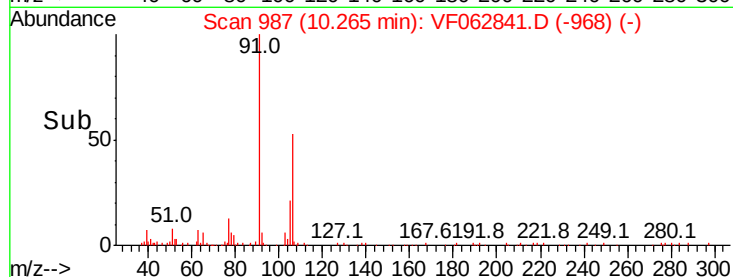
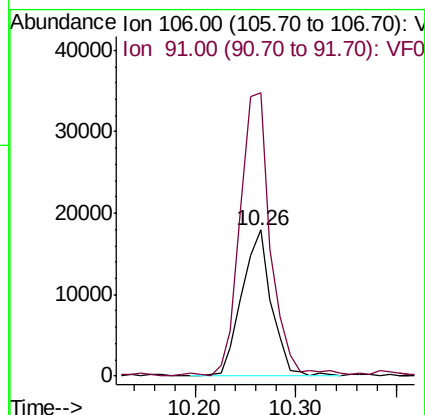
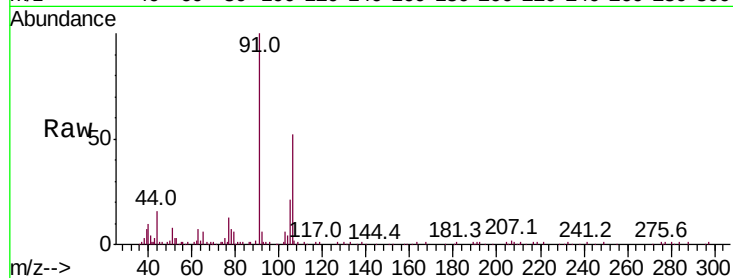
#68
m/p-Xylenes
Concen: 3.797 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF062841.D
Acq: 4 Jun 2019 16:20

Instrument :
MSVOA_F
ClientSampleId :
FK-SF-03-008-B

Tot Ion:106 Resp: 36765
Ion Ratio Lower Upper
106 100
91 193.7 136.2 204.4

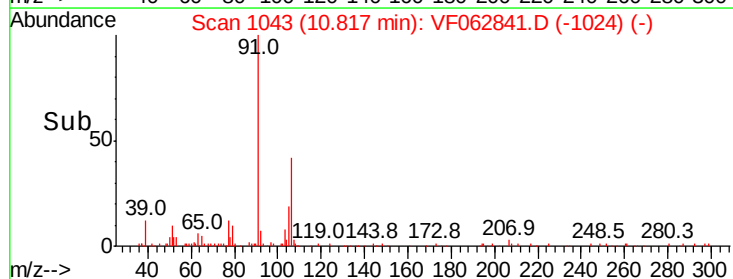
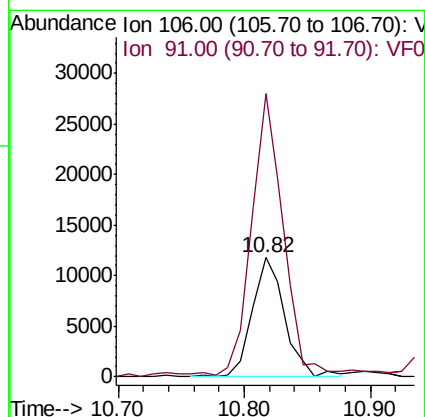
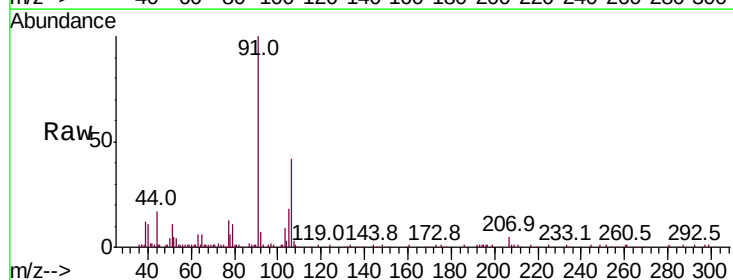
Manual Integrations
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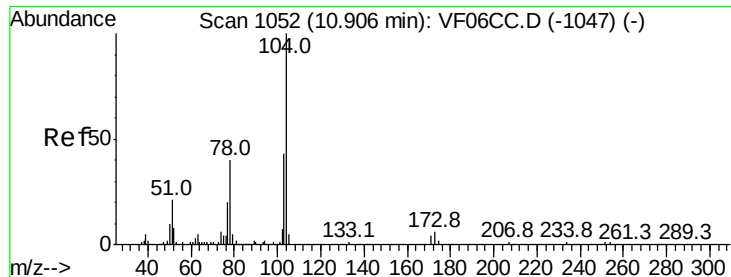
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#69
o-Xylene
Concen: 2.167 ug/l
RT: 10.82 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VF062841.D
Acq: 4 Jun 2019 16:20

Tgt Ion:106 Resp: 21244
Ion Ratio Lower Upper
106 100
91 238.0 96.6 289.8





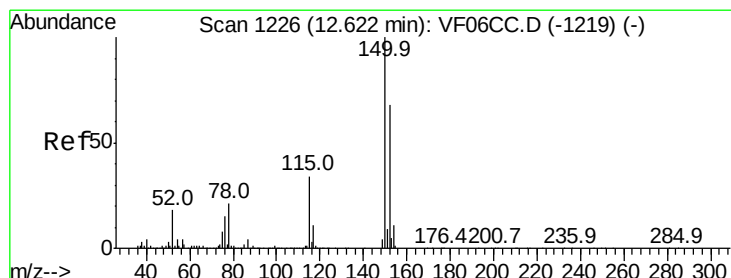
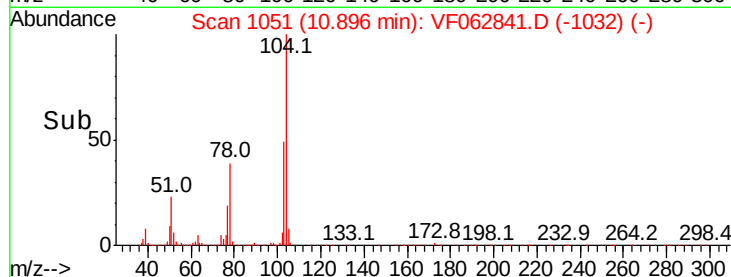
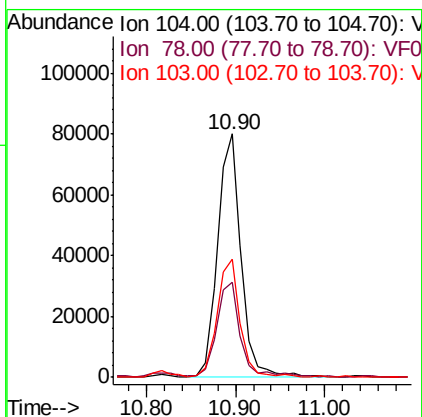
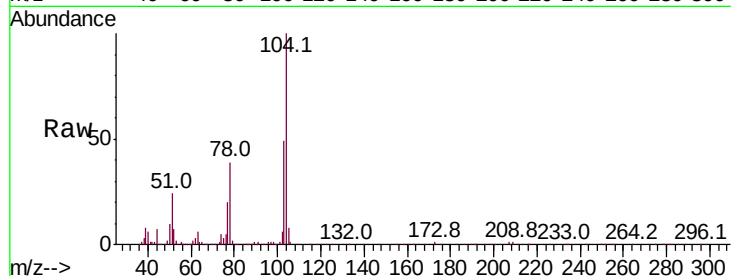
#70
Stvrene
Concen: 10.168 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF062841.D
Acq: 4 Jun 2019 16:20

Instrument :
MSVOA_F
ClientSampleId :
FK-SF-03-008-B

Tot Ion	Ratio	Resp	Lower	Upper
104	100	146926		
78	39.2	30.8	46.2	
103	48.7	35.8	53.6	

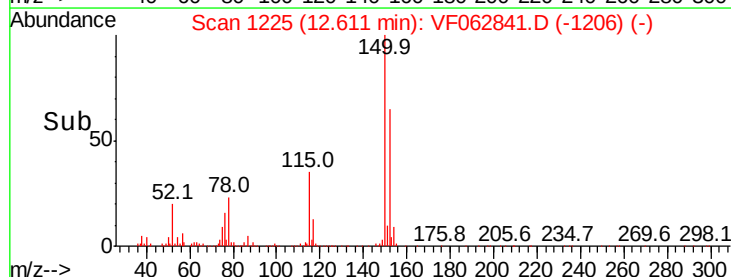
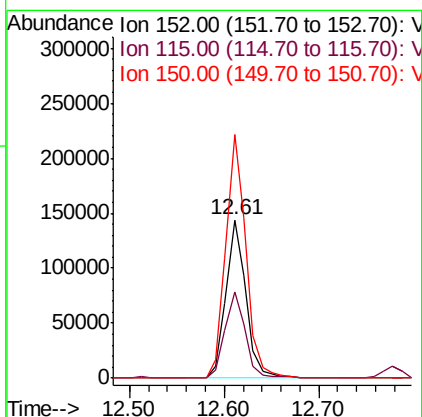
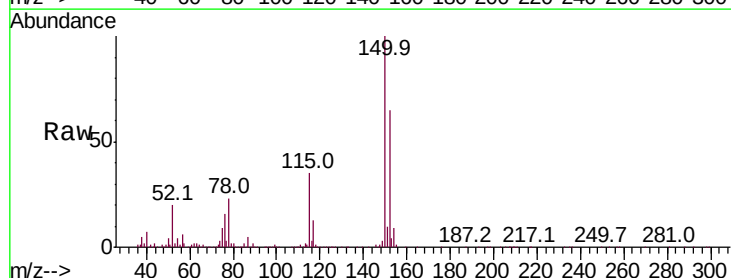
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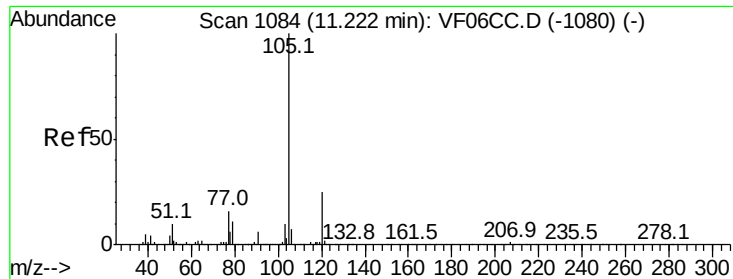
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1225
Delta R.T. -0.01 min
Lab File: VF062841.D
Acq: 4 Jun 2019 16:20

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	210962		
115	54.0	24.6	74.0	
150	153.6	0.0	290.6	





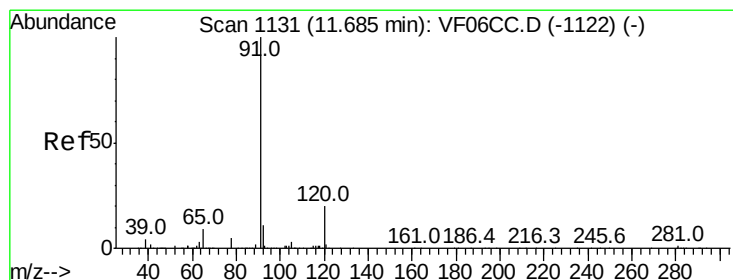
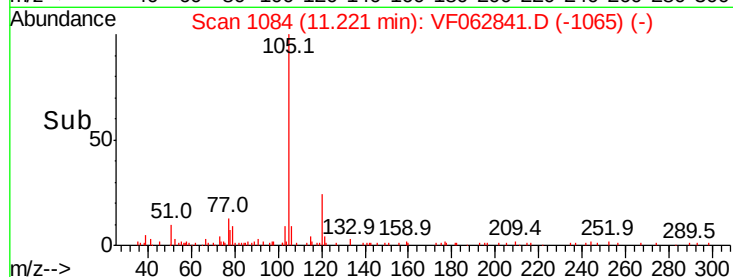
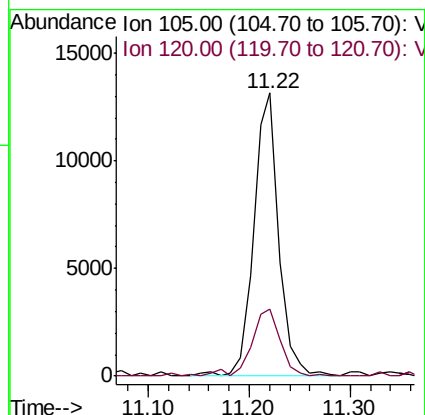
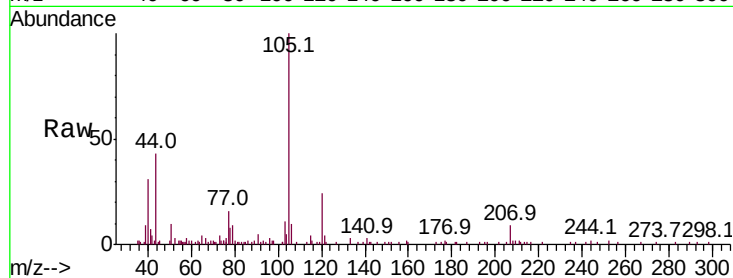
#73
Isopropylbenzene
Concen: 1.544 ug/l
RT: 11.22 min Scan# 1084
Delta R.T. -0.01 min
Lab File: VF062841.D
Acq: 4 Jun 2019 16:20

Instrument :
MSVOA_F
ClientSampleId :
FK-SF-03-008-B

Tot Ion	Ratio	Lower	Upper
105	100		
120	23.9	15.1	45.3

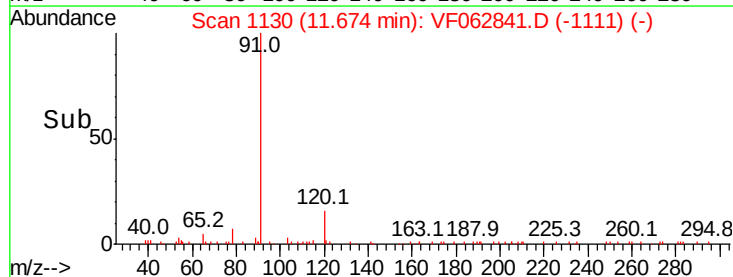
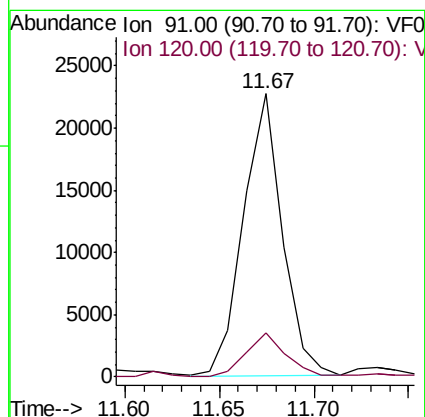
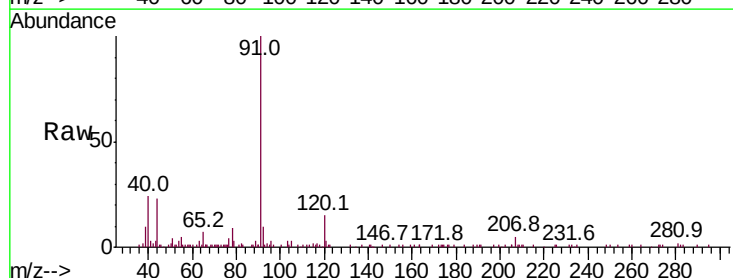
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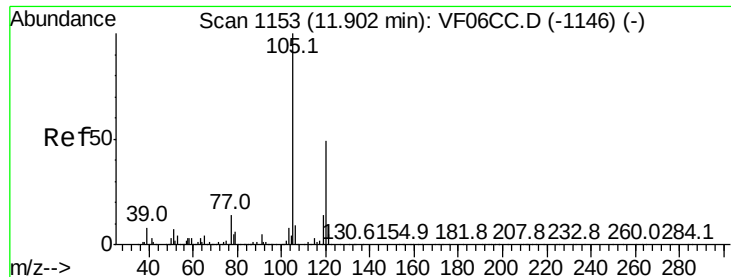
MMDadoda
6/6/2019 8:48:59 AM



#78
n-propylbenzene
Concen: 1.829 ug/l
RT: 11.67 min Scan# 1130
Delta R.T. -0.01 min
Lab File: VF062841.D
Acq: 4 Jun 2019 16:20

Tgt Ion	Ratio	Lower	Upper
91	100		
120	15.4	12.8	38.4





#80

1,3,5-Trimethylbenzene

Concen: 2.924 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF062841.D

Acq: 4 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

FK-SF-03-008-B

Tot Ion:105 Resp: 35200

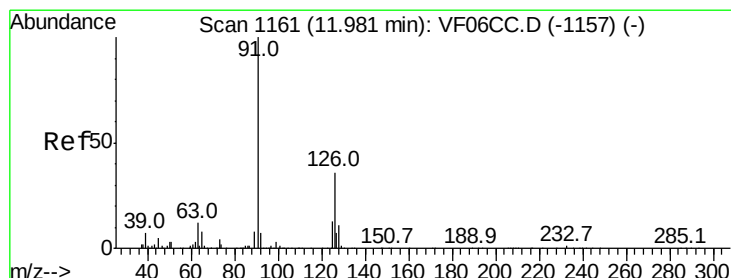
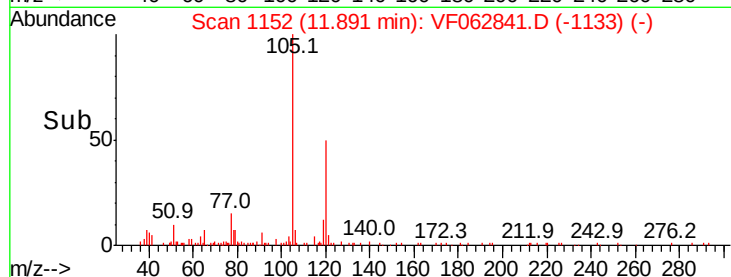
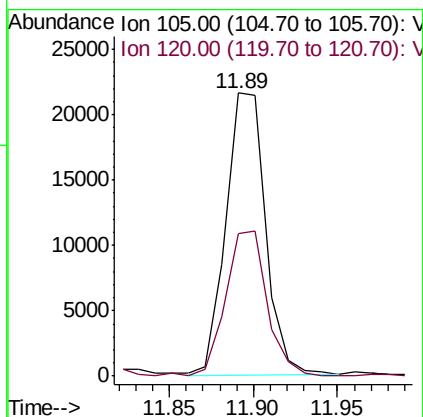
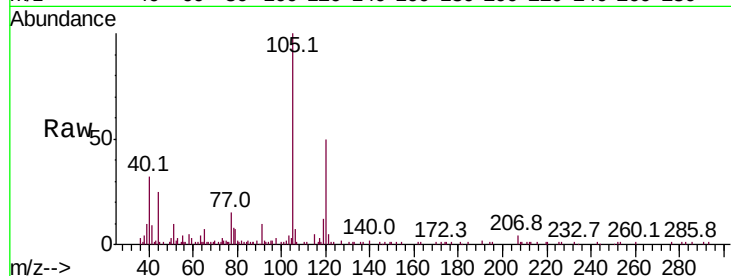
Ion Ratio Lower Upper

105 100

120 50.3 28.7 86.1

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#82

4-Chlorotoluene

Concen: 1.191 ug/l

RT: 11.97 min Scan# 1160

Delta R.T. -0.01 min

Lab File: VF062841.D

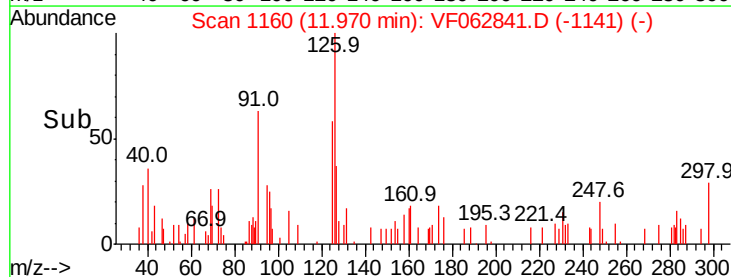
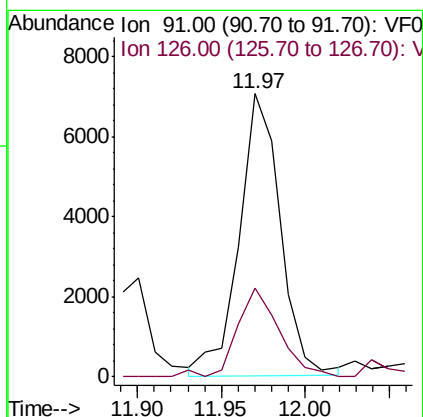
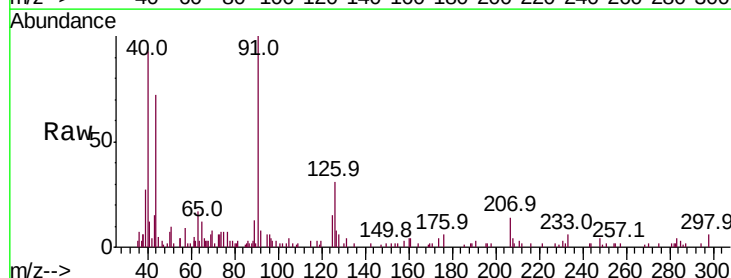
Acq: 4 Jun 2019 16:20

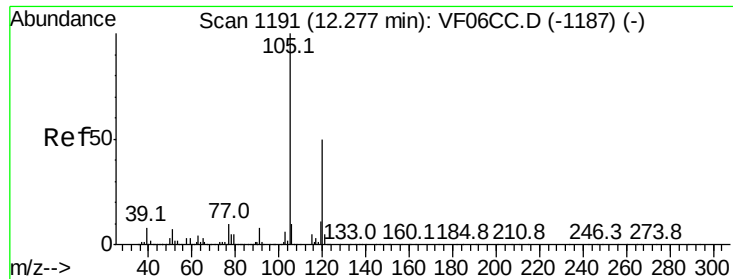
Tgt Ion: 91 Resp: 11899

Ion Ratio Lower Upper

91 100

126 31.2 19.1 57.1





#84

1,2,4-Trimethylbenzene

Concen: 7.641 ug/l

RT: 12.27 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VF062841.D

Acq: 4 Jun 2019 16:20

Instrument :

MSVOA_F

ClientSampleId :

FK-SF-03-008-B

Tot Ion:105 Resp: 87212

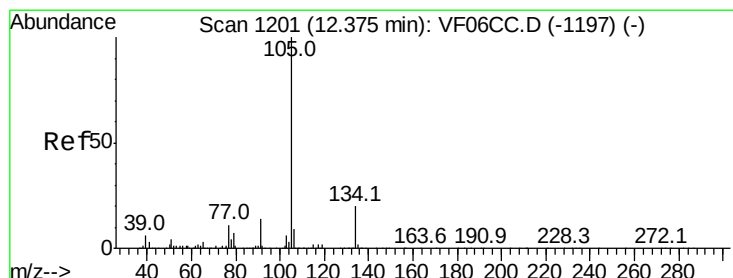
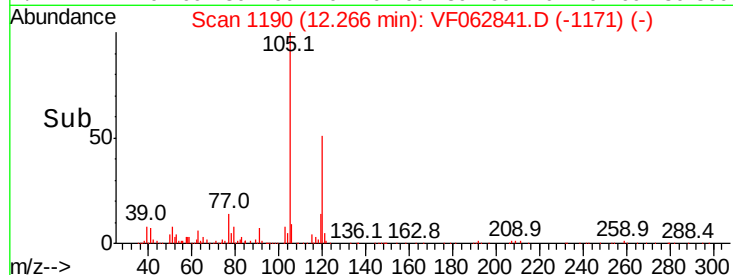
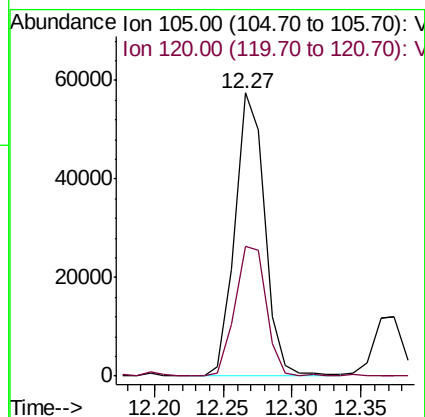
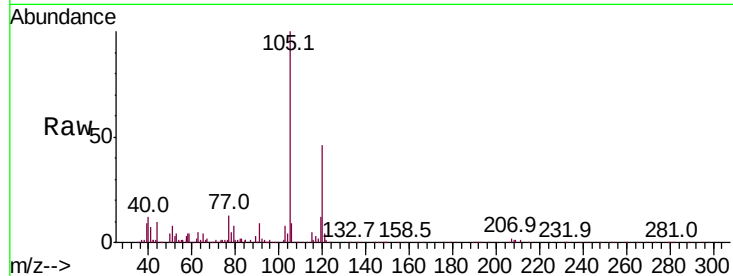
Ion Ratio Lower Upper

105 100

120 45.8 27.1 81.3

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#85

sec-Butylbenzene

Concen: 1.164 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VF062841.D

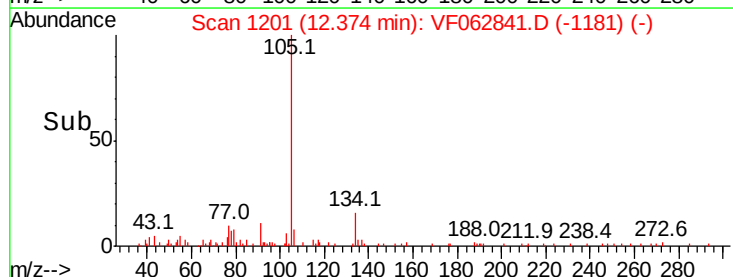
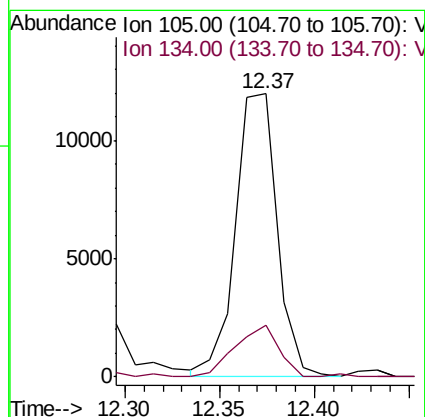
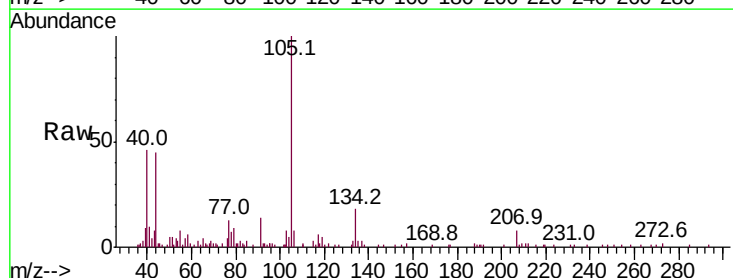
Acq: 4 Jun 2019 16:20

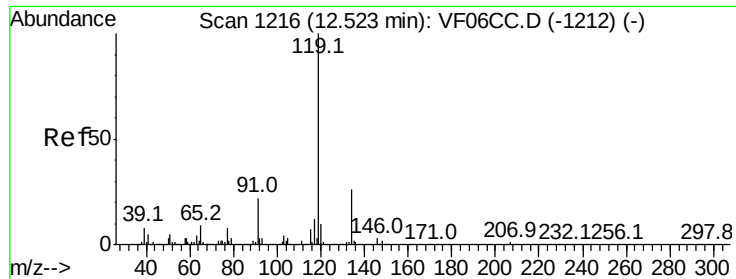
Tgt Ion:105 Resp: 18291

Ion Ratio Lower Upper

105 100

134 18.5 10.5 31.6





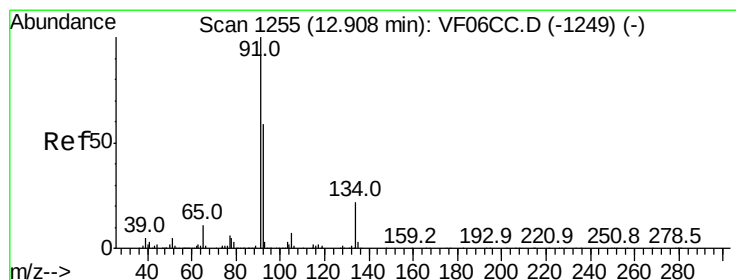
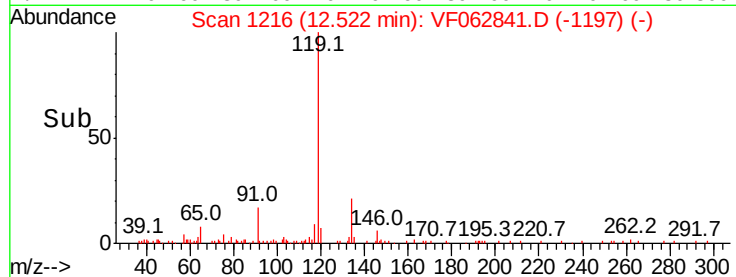
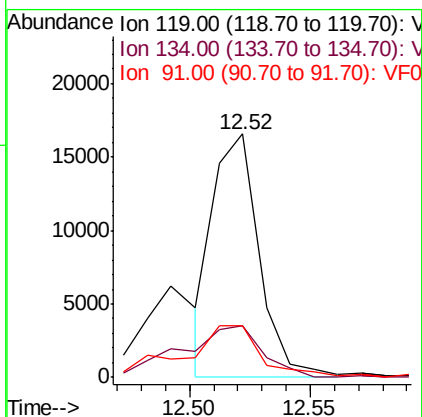
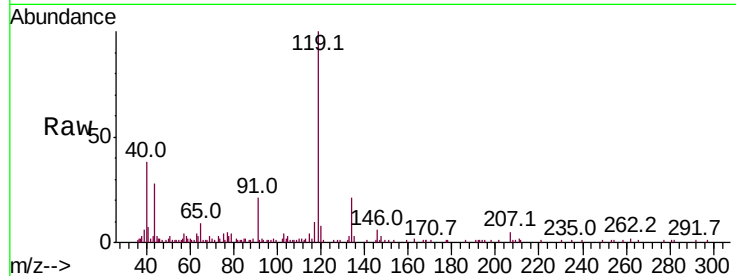
#86
 p-Isopropyltoluene
 Concen: 1.700 ug/l m
 RT: 12.52 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: VF062841.D
 Acq: 4 Jun 2019 16:20

Instrument :
 MSVOA_F
 ClientSampleId :
 FK-SF-03-008-B

Tot Ion:	119	Resp:	22241
Ion Ratio	Lower	Upper	
119	100		
134	21.0	15.5	46.5
91	21.1	10.3	30.9

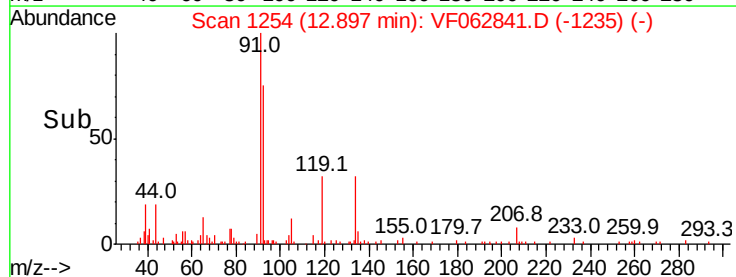
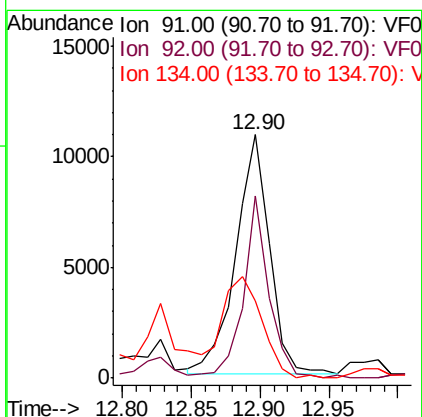
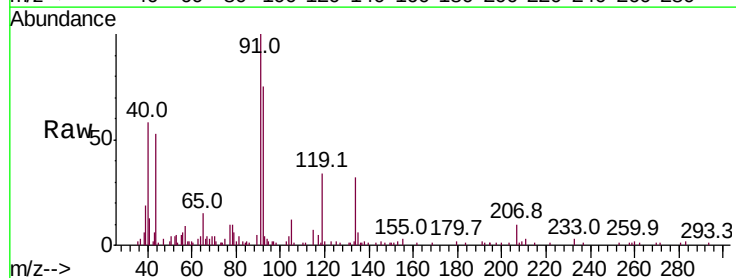
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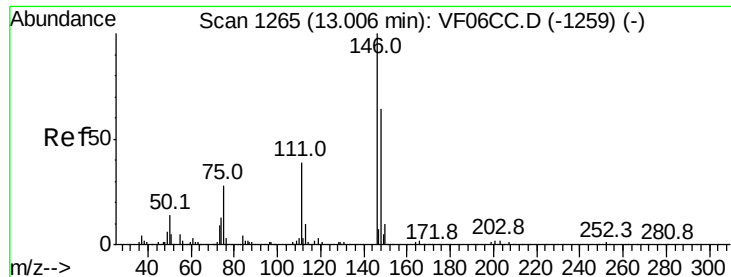
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#89
 n-Butylbenzene
 Concen: 1.419 ug/l
 RT: 12.90 min Scan# 1254
 Delta R.T. -0.01 min
 Lab File: VF062841.D
 Acq: 4 Jun 2019 16:20

Tgt Ion:	91	Resp:	18671
Ion Ratio	Lower	Upper	
91	100		
92	74.7	34.2	102.6
134	31.9	15.8	47.3





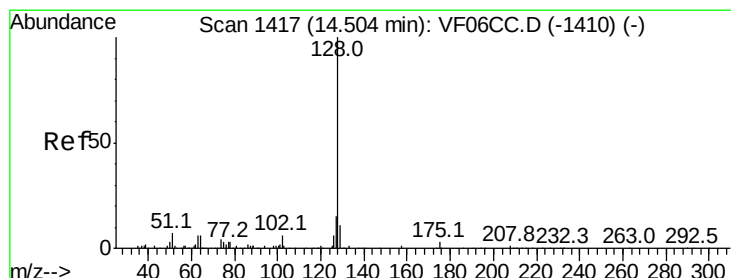
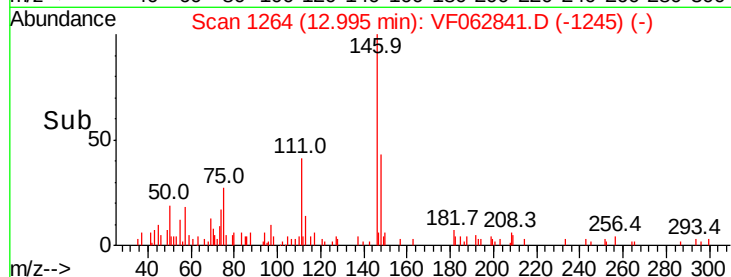
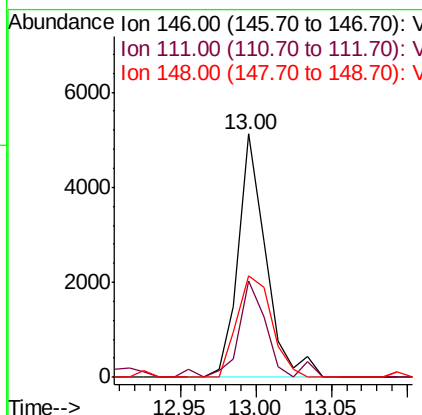
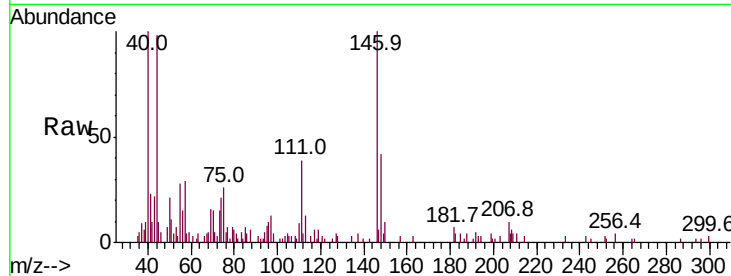
#91
1,2-Dichlorobenzene
Concen: 1.139 ug/l
RT: 13.00 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VF062841.D
Acq: 4 Jun 2019 16:20

Instrument :
MSVOA_F
ClientSampleId :
FK-SF-03-008-B

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.4	61.3
148	41.9	34.1	102.3

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#95
Naphthalene
Concen: 66.501 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.01 min
Lab File: VF062841.D
Acq: 4 Jun 2019 16:20

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.2	9.7	14.5
129	12.0	9.4	14.2

