

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010719\
 Data File : VF061281.D
 Acq On : 7 Jan 2019 16:07
 Operator : VA/AP
 Sample : K1064-01
 Misc : 6.44g/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P-1419-S

Manual Integrations
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 1/8/2019 12:58:26 PM

Quant Time: Jan 08 01:02:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010319S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 03:27:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	121841	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.58	114	234958	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	135304	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	34454	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	106767	69.03	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	138.06%	
35) Dibromofluoromethane	4.10	113	111377	61.61	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	123.22%	
50) Toluene-d8	7.54	98	190854	35.58	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	71.16%	
62) 4-Bromofluorobenzene	11.40	95	78341	32.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.92%	

Target Compounds

						Qvalue
16) Acetone	2.23	43	18247	53.127	ug/l	94
17) Carbon Disulfide	1.76	76	7513	2.103	ug/l	99
18) Methyl Acetate	2.33	43	17590	28.513	ug/l #	87
20) Methylene Chloride	2.18	84	25329	18.267	ug/l	97
25) 2-Butanone	4.32	43	7909	1.253	ug/l #	81
29) Tetrahydrofuran	4.05	42	25980	123.852	ug/l #	91
31) Cyclohexane	3.69	56	13939	5.500	ug/l	94
39) Methylcyclohexane	5.44	83	59778	20.209	ug/l	89
40) Benzene	4.62	78	9459	1.506	ug/l	95
52) Toluene	7.61	92	18231	4.446	ug/l	98
67) Ethyl Benzene	9.88	91	6631	1.311	ug/l	95
68) m/p-Xylenes	10.12	106	8740	4.735	ug/l	81
69) o-Xylene	10.70	106	61309	30.705	ug/l	92
78) n-propylbenzene	11.59	91	8744	2.507	ug/l	88
80) 1,3,5-Trimethylbenzene	11.81	105	339973	143.892	ug/l	99
83) tert-Butylbenzene	12.12	119	30028	12.326	ug/l	85
84) 1,2,4-Trimethylbenzene	12.20	105	32069	13.634	ug/l	90
85) sec-Butylbenzene	12.30	105	9007	2.726	ug/l	96
86) p-Isopropyltoluene	12.46	119	107968m	39.655	ug/l	

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

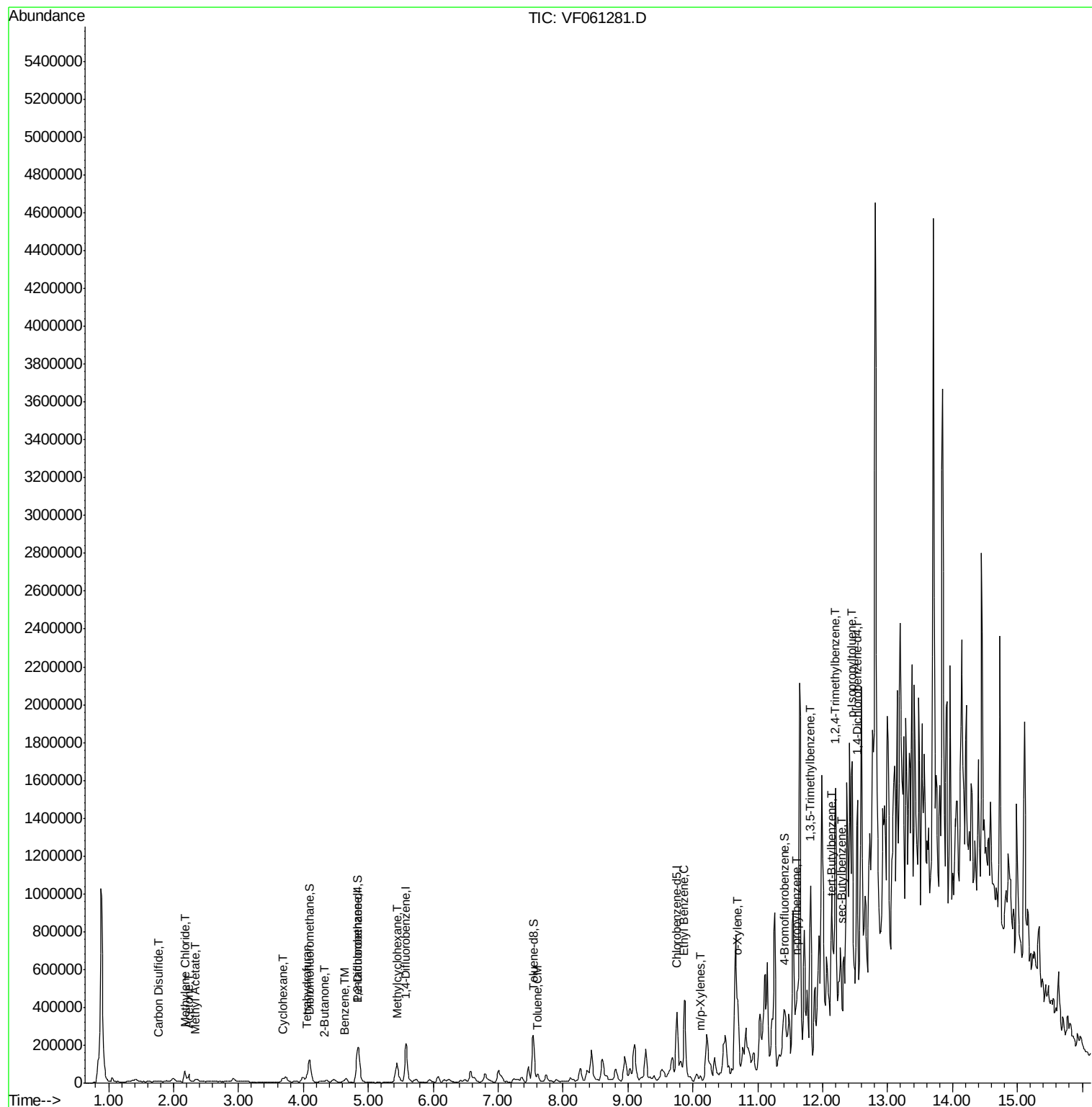
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF010719\
Data File : VF061281.D
Acq On : 7 Jan 2019 16:07
Operator : VA/AP
Sample : K1064-01
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ALS Vial : 11 Sample Multiplier: 1

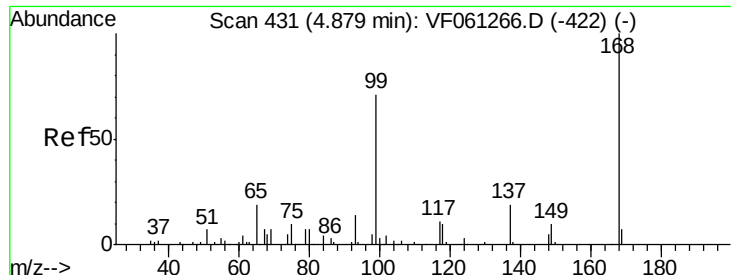
Instrument :
MSVOA_F
ClientSampleId :
P-1419-S

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Quant Time: Jan 08 01:02:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F010319S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 04 03:27:18 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF061281.D

Acq: 7 Jan 2019 16:07

Instrument :

MSVOA_F

ClientSampleId :

P-1419-S

Tot Ion:168 Resp: 121841

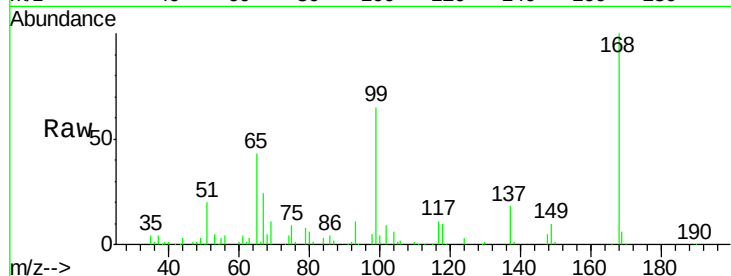
Ion Ratio Lower Upper

168 100

99 65.2 57.0 85.6

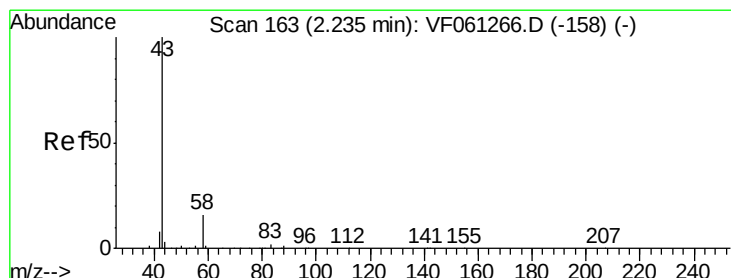
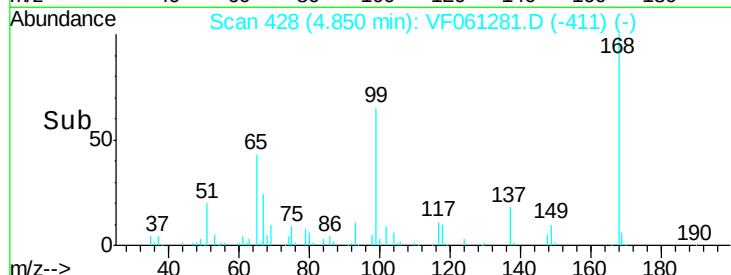
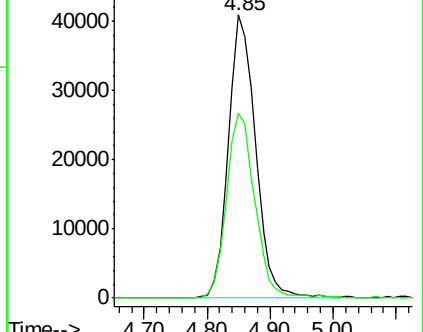
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#16

Acetone

Concen: 53.127 ug/l

RT: 2.23 min Scan# 162

Delta R.T. -0.01 min

Lab File: VF061281.D

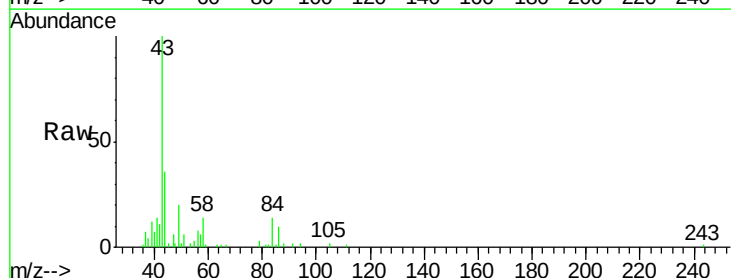
Acq: 7 Jan 2019 16:07

Tgt Ion: 43 Resp: 18247

Ion Ratio Lower Upper

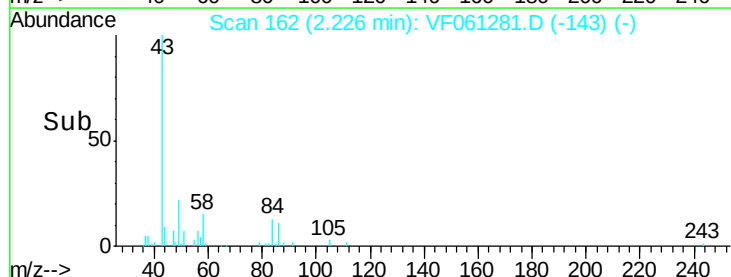
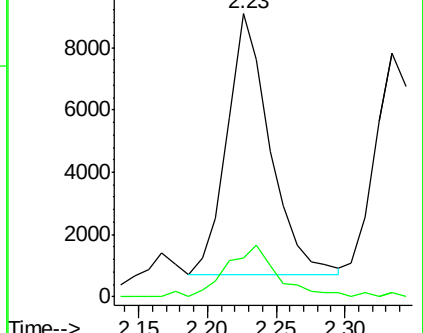
43 100

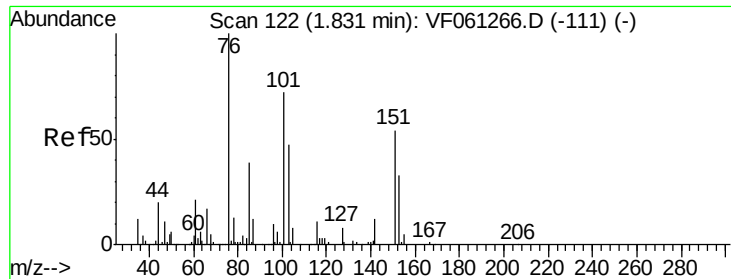
58 13.5 13.0 19.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





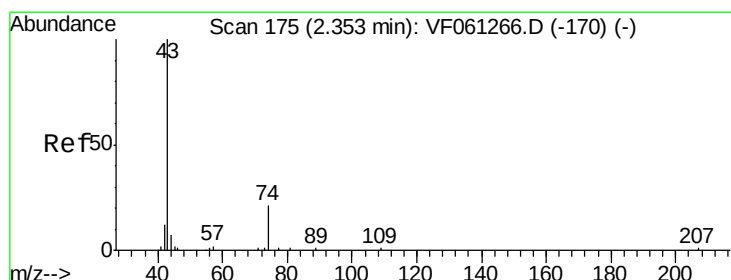
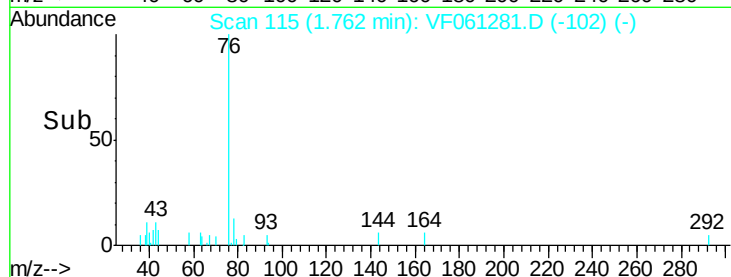
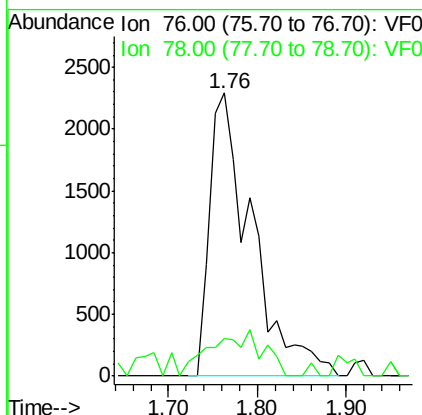
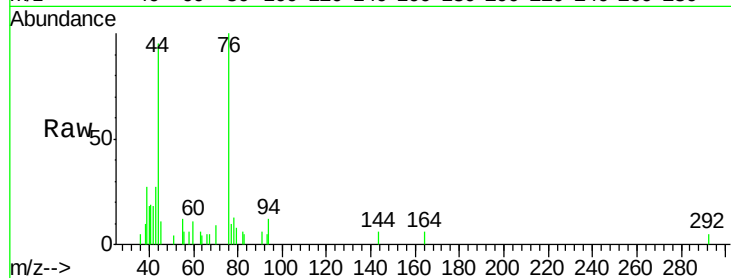
#17
Carbon Disulfide
Concen: 2.103 ug/l
RT: 1.76 min Scan# 115
Delta R.T. -0.07 min
Lab File: VF061281.D
Acq: 7 Jan 2019 16:07

Instrument :
MSVOA_F
ClientSampled :
P-1419-S

Tot Ion	Ratio	Lower	Upper
76	100		
78	13.1	10.2	15.4

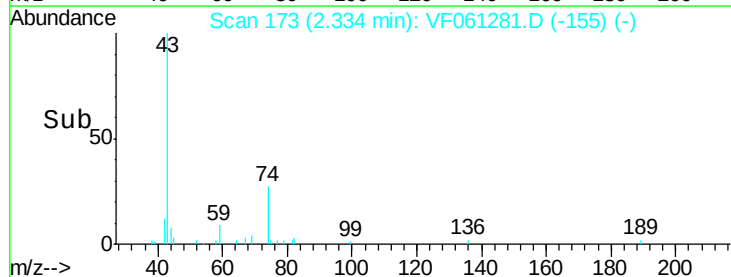
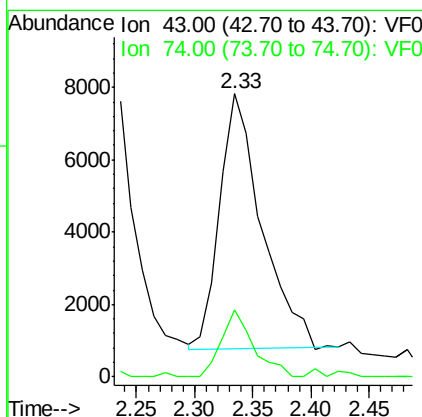
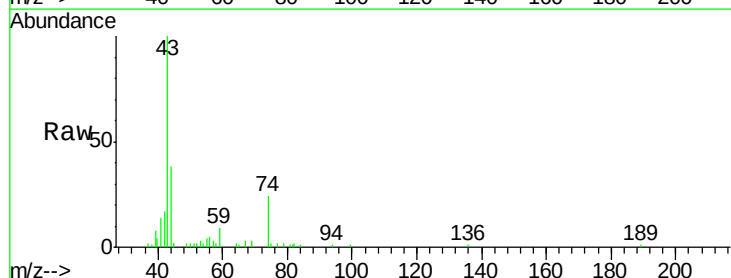
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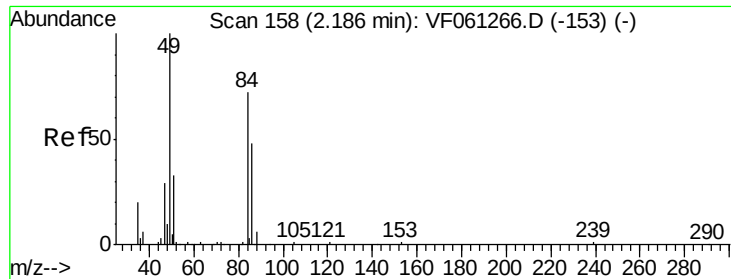
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#18
Methyl Acetate
Concen: 28.513 ug/l
RT: 2.33 min Scan# 173
Delta R.T. -0.02 min
Lab File: VF061281.D
Acq: 7 Jan 2019 16:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	14.4	21.6#





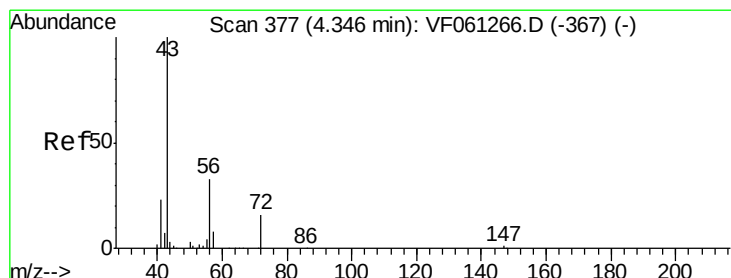
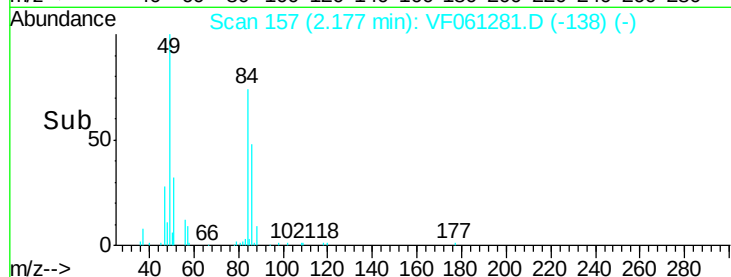
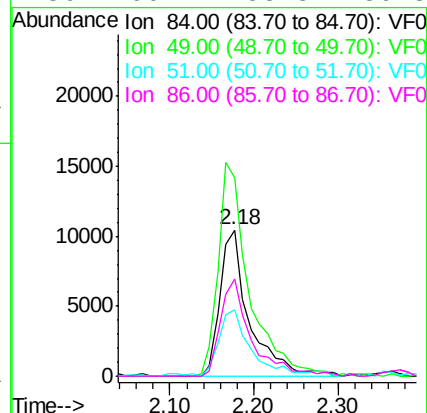
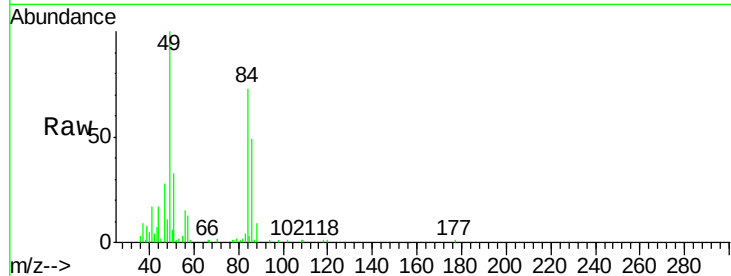
#20
Methylene Chloride
Concen: 18.267 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF061281.D
Acq: 7 Jan 2019 16:07

Instrument :
MSVOA_F
ClientSampleId :
P-1419-S

Tot Ion:	84	Resp:	25329
Ion	Ratio	Lower	Upper
84	100		
49	136.1	112.9	169.3
51	45.2	37.9	56.9
86	66.4	53.8	80.8

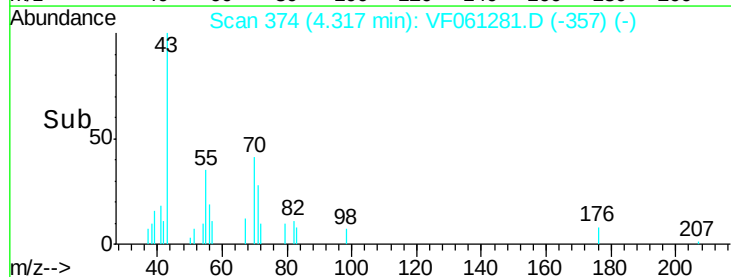
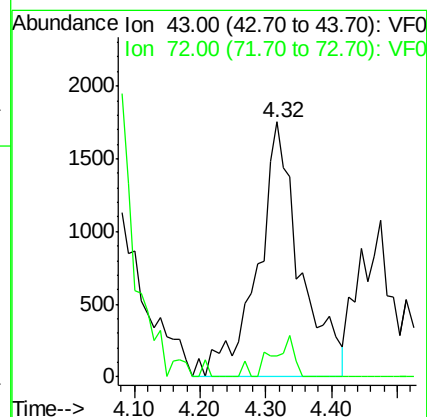
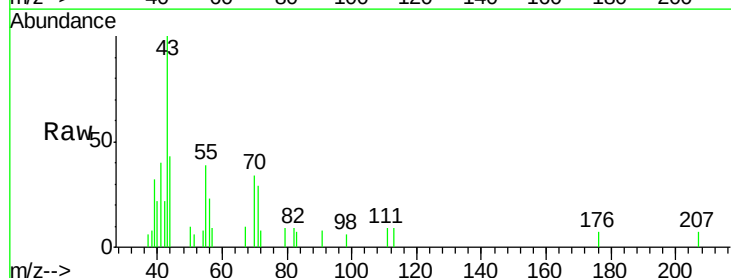
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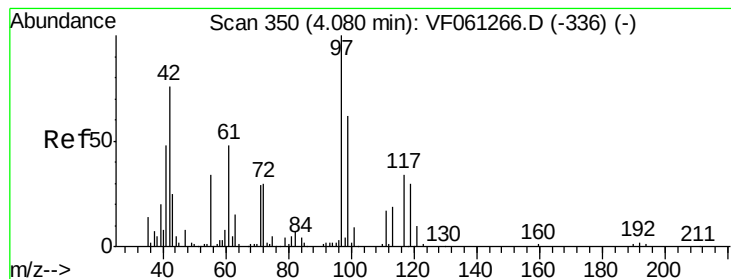
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#25
2-Butanone
Concen: 1.253 ug/l
RT: 4.32 min Scan# 374
Delta R.T. -0.03 min
Lab File: VF061281.D
Acq: 7 Jan 2019 16:07

Tgt Ion:	43	Resp:	7909
Ion	Ratio	Lower	Upper
43	100		
72	8.3	13.0	19.6#





#29

Tetrahydrofuran

Concen: 123.852 ug/l

RT: 4.05 min Scan# 347

Delta R.T. -0.03 min

Lab File: VF061281.D

Acq: 7 Jan 2019 16:07

Instrument :

MSVOA_F

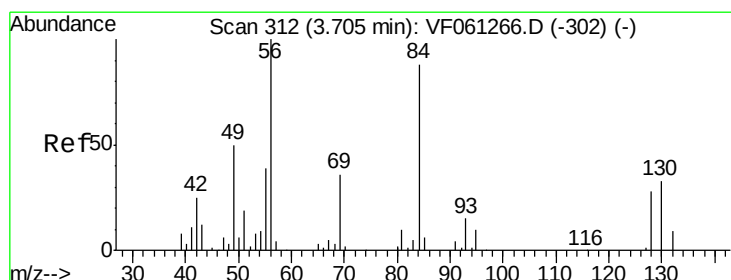
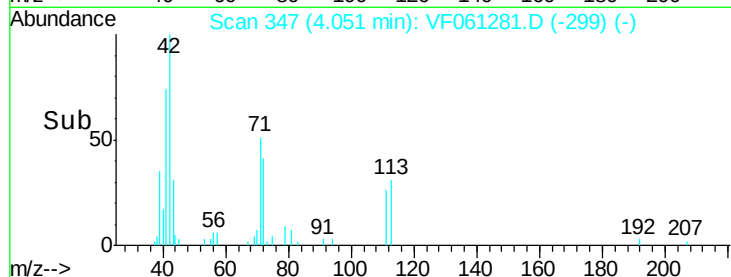
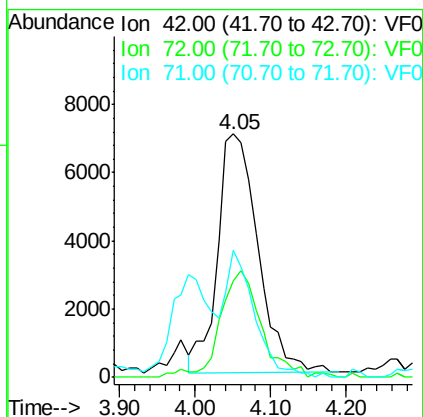
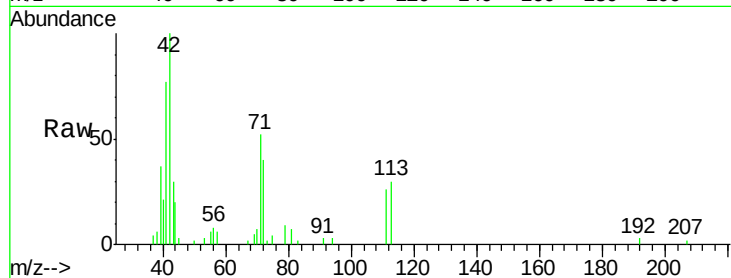
ClientSampleId :

P-1419-S

Tot Ion:	42	Resp:	25980
Ion	Ratio	Lower	Upper
42	100		
72	45.4	29.2	43.8#
71	37.6	29.1	43.7

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#31

Cyclohexane

Concen: 5.500 ug/l

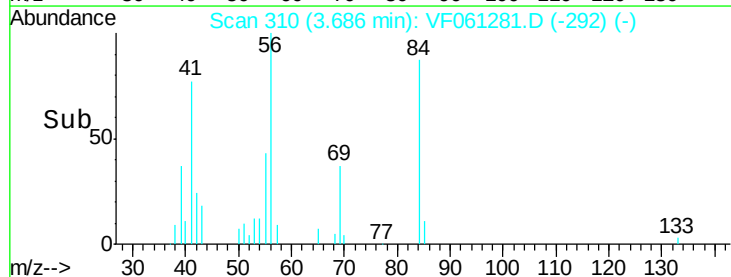
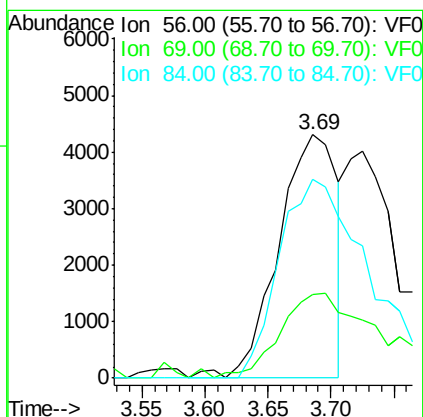
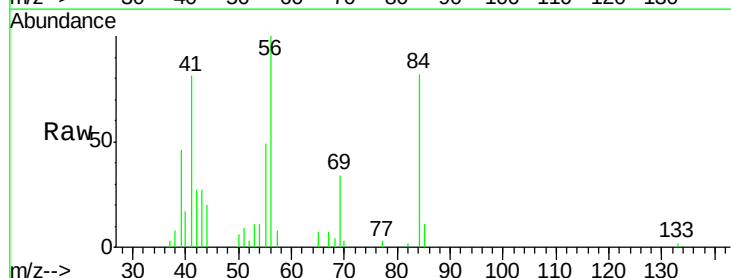
RT: 3.69 min Scan# 310

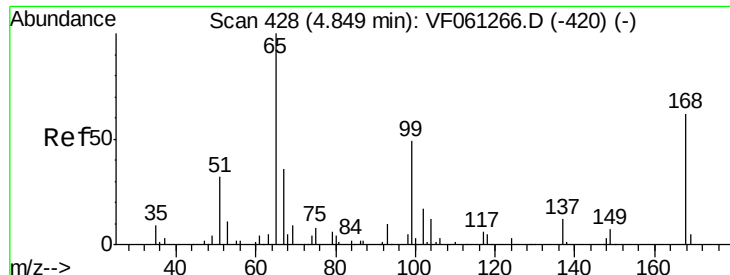
Delta R.T. -0.02 min

Lab File: VF061281.D

Acq: 7 Jan 2019 16:07

Tgt Ion:	56	Resp:	13939
Ion	Ratio	Lower	Upper
56	100		
69	34.3	28.7	43.1
84	81.8	70.6	106.0





#33

1,2-Dichloroethane-d4

Concen: 69.033 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.02 min

Lab File: VF061281.D

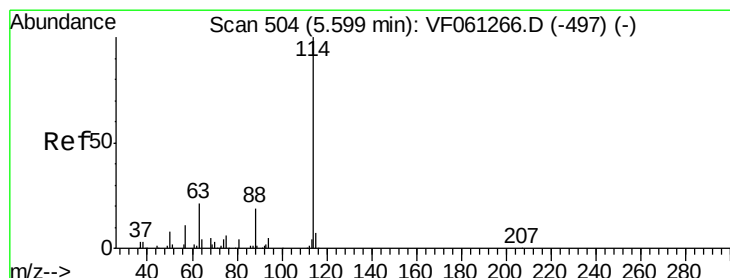
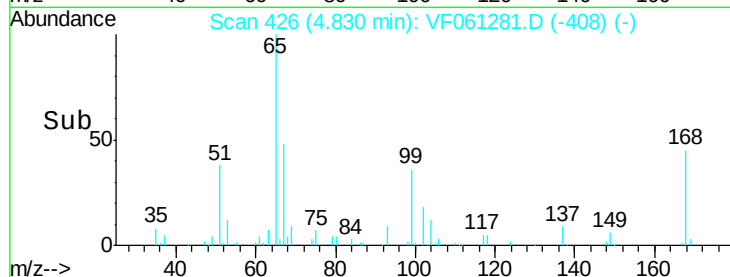
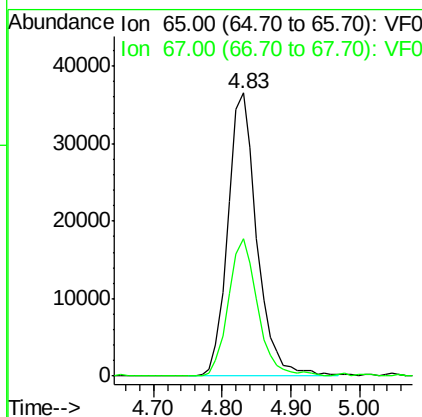
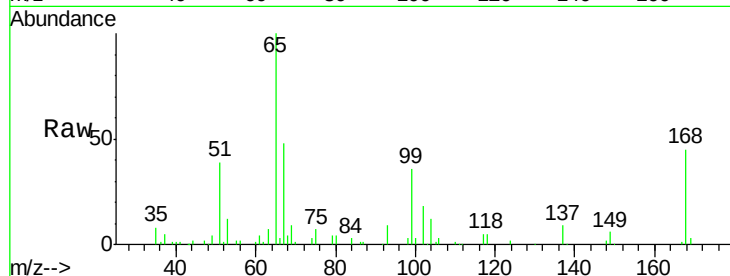
Acq: 7 Jan 2019 16:07

Tot Ion	Ratio	Resp	Lower	Upper
65	100	106767		
67	48.4	0.0	90.4	

Instrument :
MSVOA_F
ClientSampleId :
P-1419-S

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

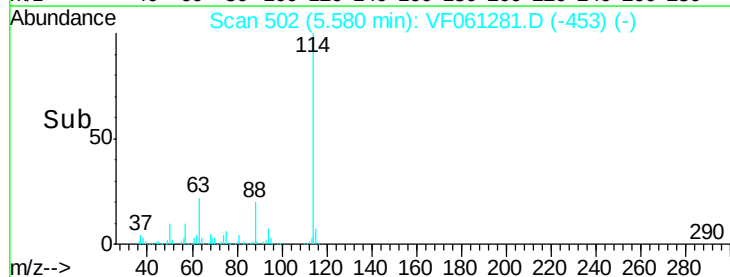
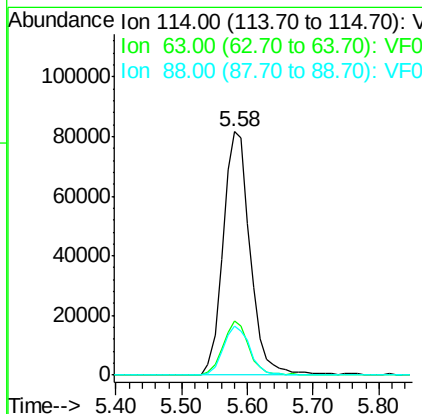
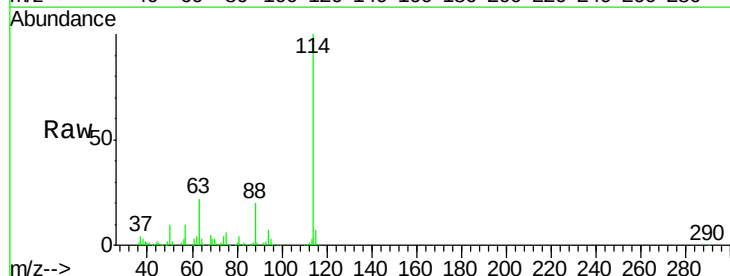
RT: 5.58 min Scan# 502

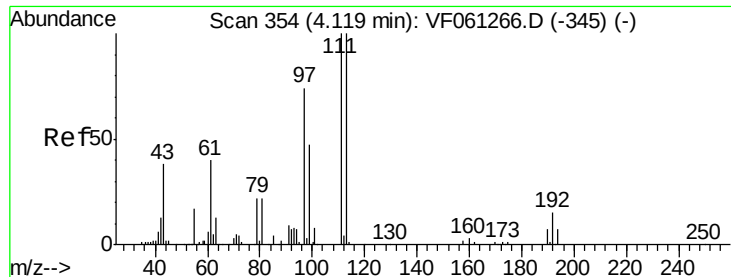
Delta R.T. -0.02 min

Lab File: VF061281.D

Acq: 7 Jan 2019 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	234958		
63	22.4	0.0	41.8	
88	20.0	0.0	38.4	





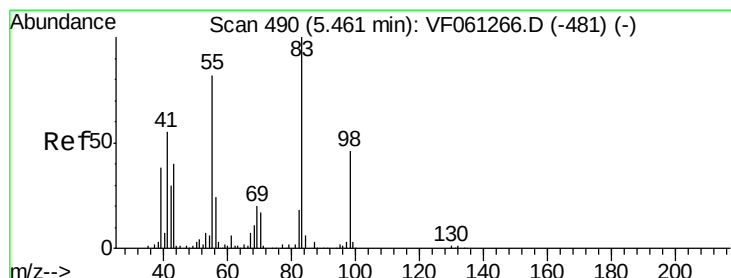
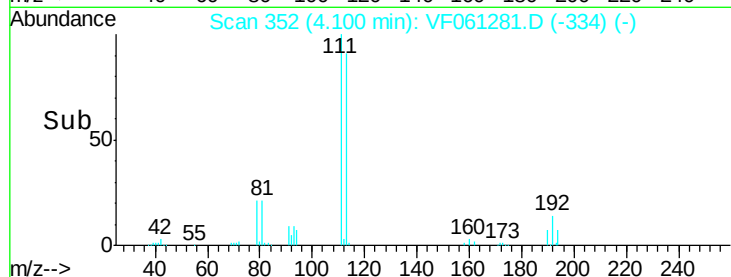
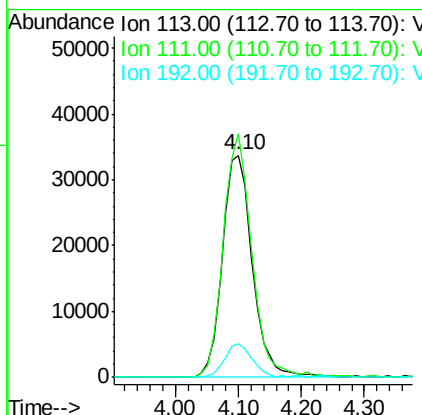
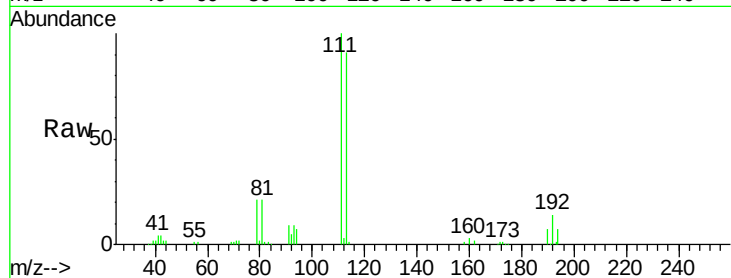
#35
Dibromofluoromethane
Concen: 61.614 ug/l
RT: 4.10 min Scan# 352
Delta R.T. -0.02 min
Lab File: VF061281.D
Acq: 7 Jan 2019 16:07

Instrument :
MSVOA_F
ClientSampleId :
P-1419-S

Tot Ion	Ratio	Resp	Lower	Upper
113	100	111377		
111	109.7	79.8	119.6	
192	15.3	11.9	17.9	

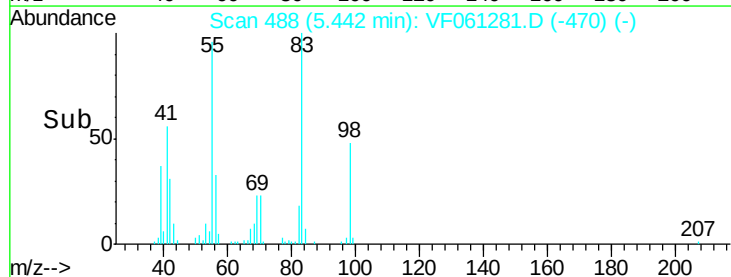
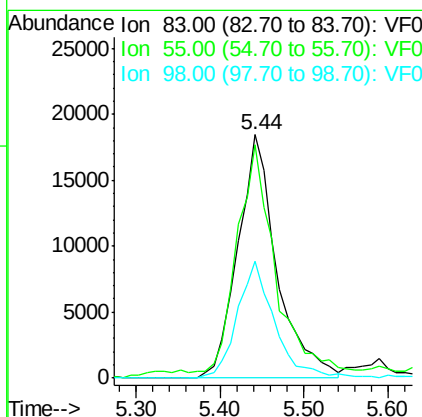
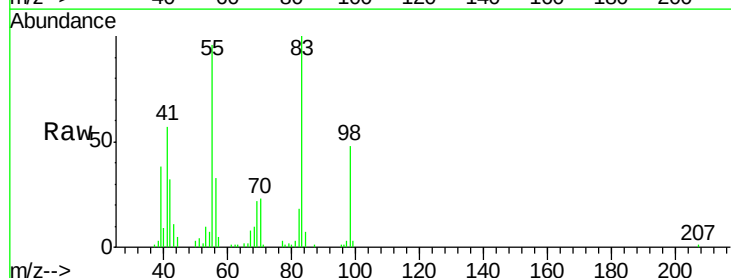
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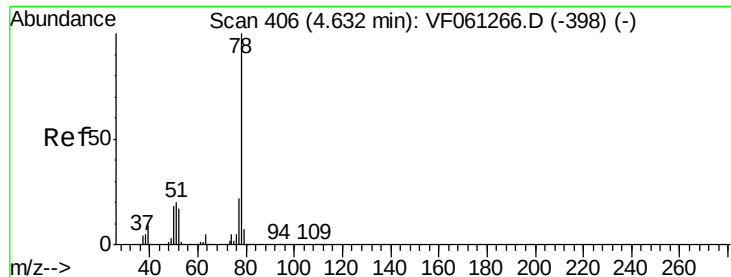
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#39
Methylcyclohexane
Concen: 20.209 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.02 min
Lab File: VF061281.D
Acq: 7 Jan 2019 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	59778		
55	95.7	65.6	98.4	
98	47.8	36.7	55.1	





#40

Benzene

Concen: 1.506 ug/l

RT: 4.62 min Scan# 405

Delta R.T. -0.01 min

Lab File: VF061281.D

Acq: 7 Jan 2019 16:07

Instrument :

MSVOA_F

ClientSampleId :

P-1419-S

Tot Ion: 78 Resp: 9459

Ion Ratio Lower Upper

78 100

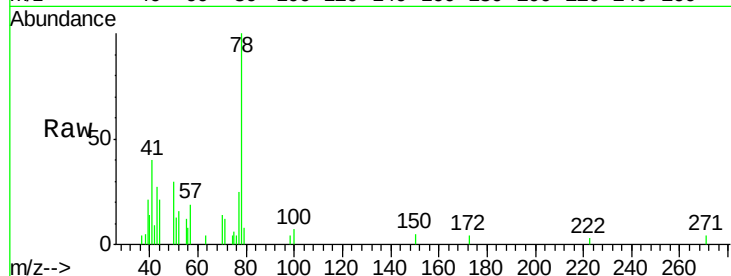
77 24.8 18.0 27.0

Manual Integrations

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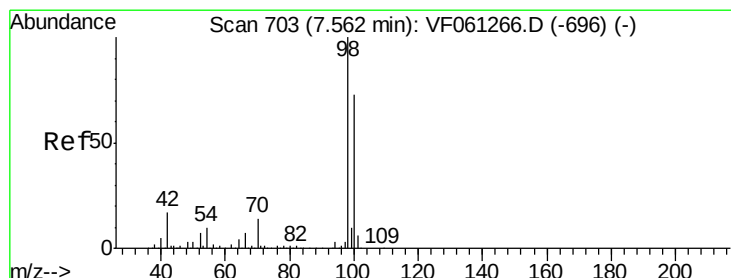
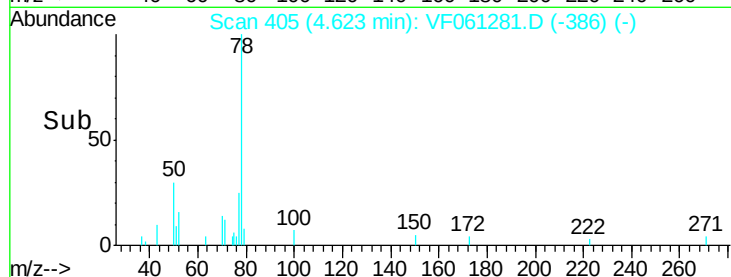
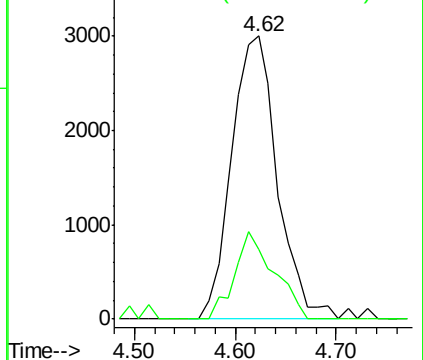
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Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0



#50

Toluene-d8

Concen: 35.579 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF061281.D

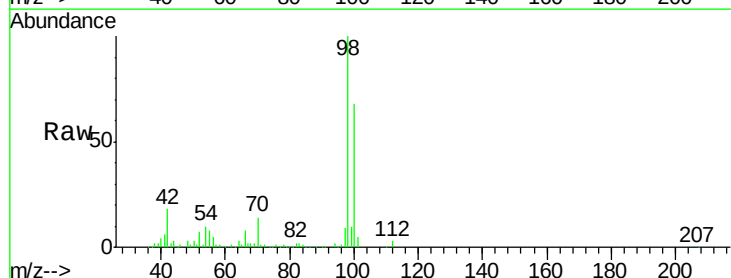
Acq: 7 Jan 2019 16:07

Tgt Ion: 98 Resp: 190854

Ion Ratio Lower Upper

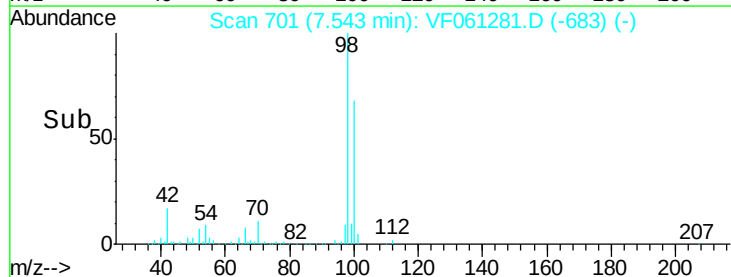
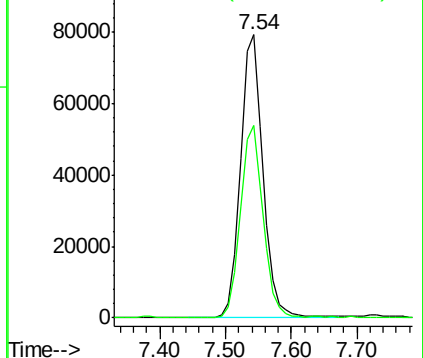
98 100

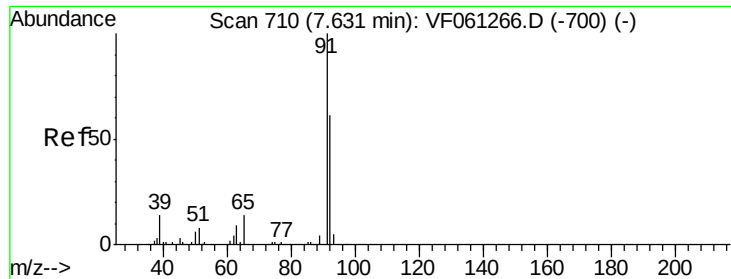
100 68.1 58.1 87.1



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#52

Toluene

Concen: 4.446 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.02 min

Lab File: VF061281.D

Acq: 7 Jan 2019 16:07

Instrument :

MSVOA_F

ClientSampleId :

P-1419-S

Tot Ion: 92 Resp: 18231

Ion Ratio Lower Upper

92 100

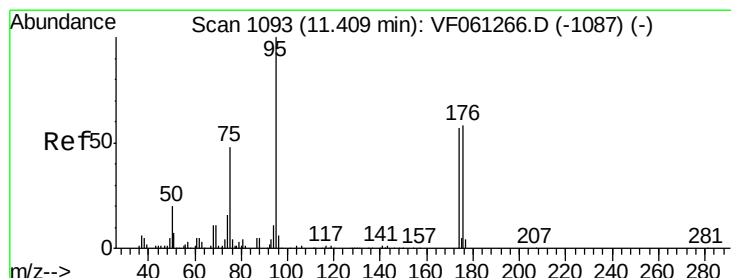
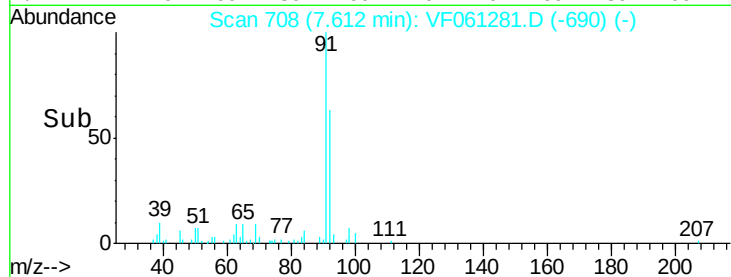
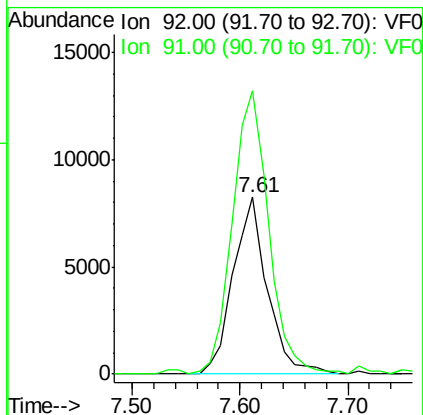
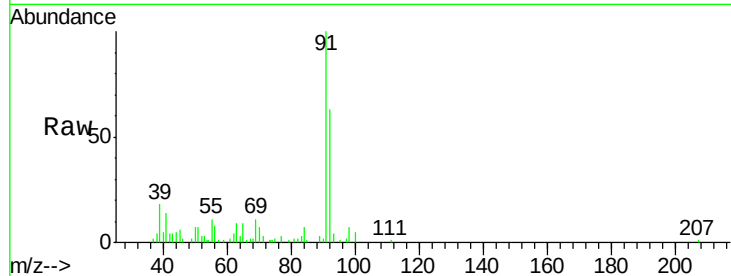
91 160.0 130.5 195.7

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#62

4-Bromofluorobenzene

Concen: 32.961 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VF061281.D

Acq: 7 Jan 2019 16:07

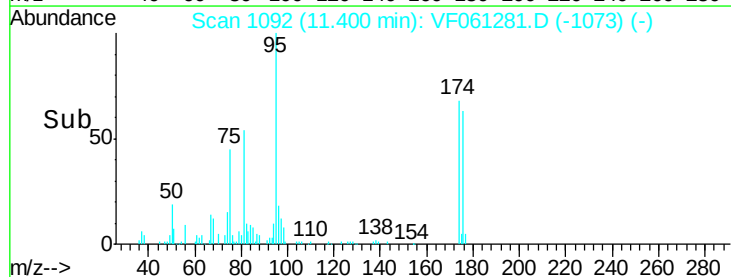
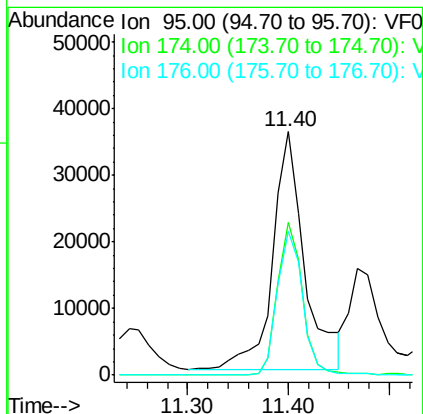
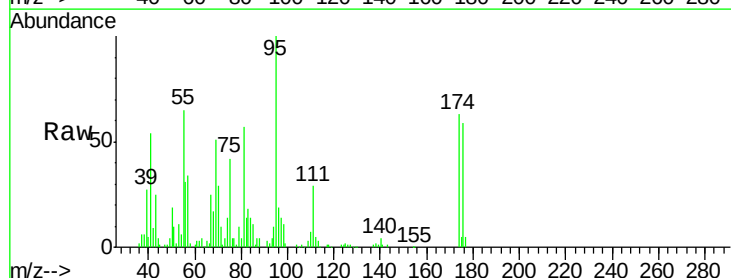
Tgt Ion: 95 Resp: 78341

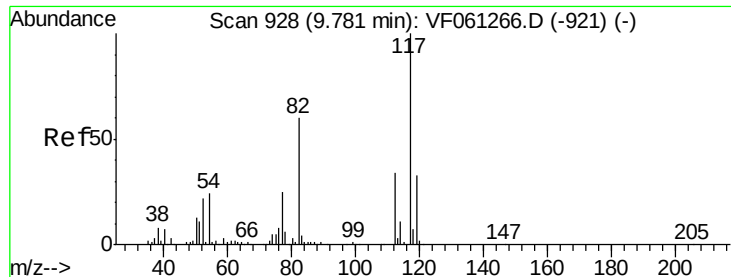
Ion Ratio Lower Upper

95 100

174 63.0 0.0 113.2

176 59.1 0.0 115.6





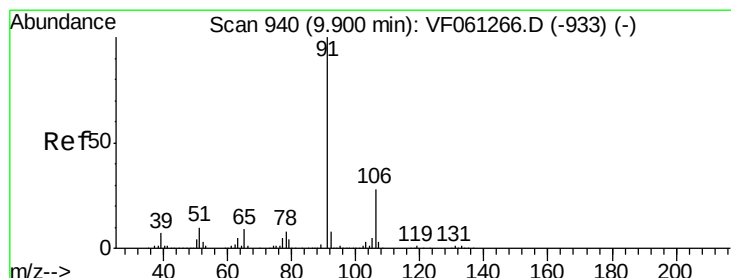
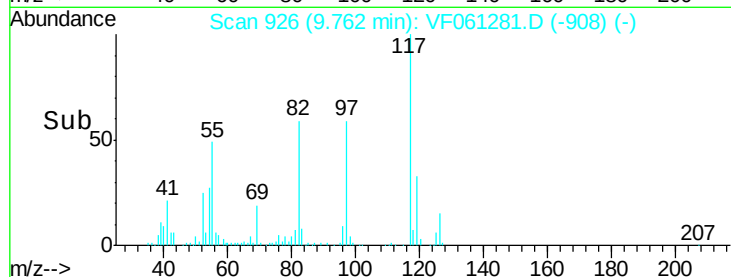
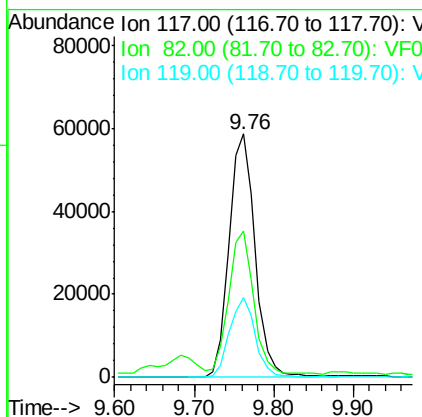
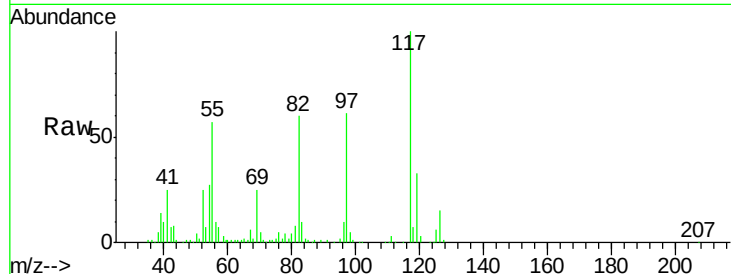
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.02 min
Lab File: VF061281.D
Acq: 7 Jan 2019 16:07

Instrument :
MSVOA_F
ClientSampleId :
P-1419-S

Tot Ion	Ratio	Resp	Lower	Upper
117	100	135304		
82	59.8		47.8	71.6
119	33.0		26.1	39.1

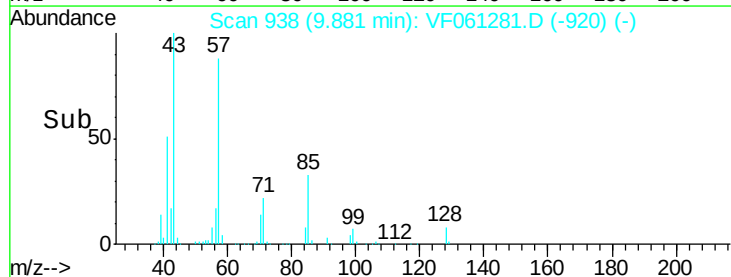
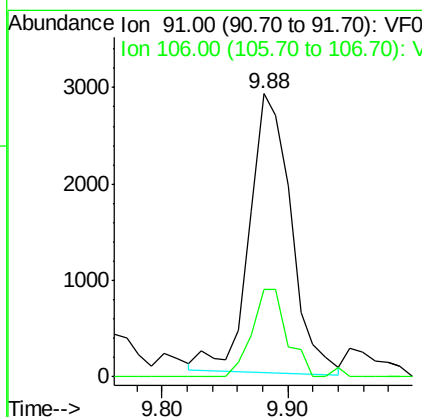
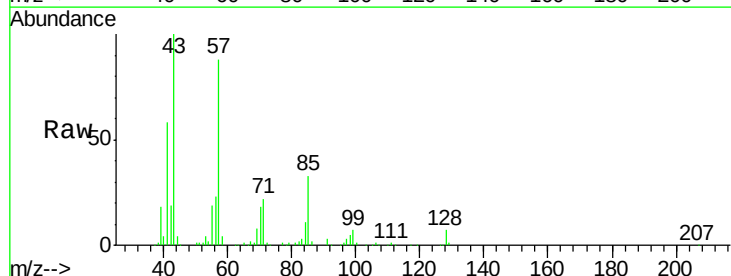
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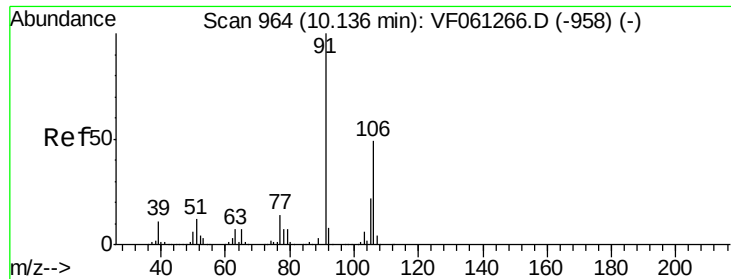
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#67
Ethyl Benzene
Concen: 1.311 ug/l
RT: 9.88 min Scan# 938
Delta R.T. -0.02 min
Lab File: VF061281.D
Acq: 7 Jan 2019 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	6631		
106	30.9		22.8	34.2





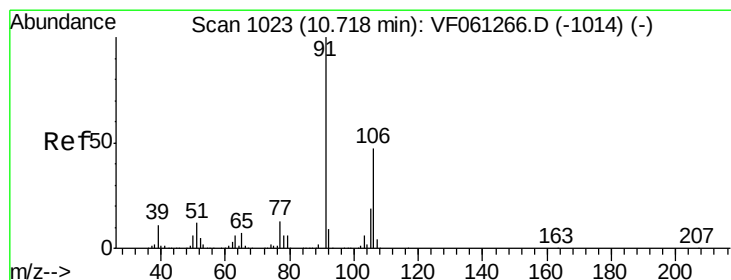
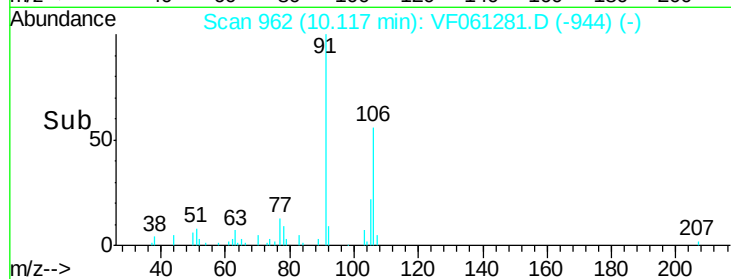
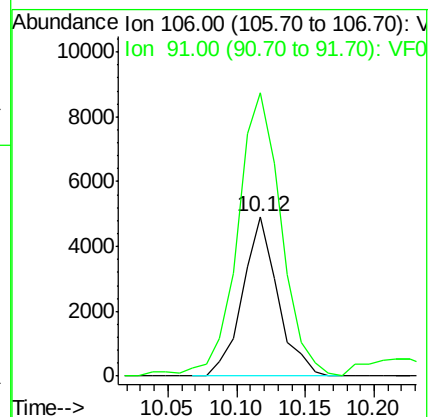
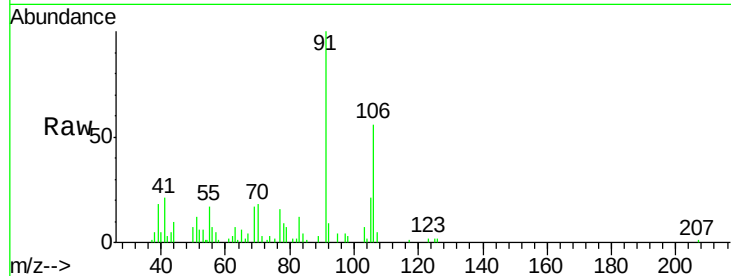
#68
m/p-Xylenes
Concen: 4.735 ug/l
RT: 10.12 min Scan# 962
Delta R.T. -0.02 min
Lab File: VF061281.D
Acq: 7 Jan 2019 16:07

Instrument :
MSVOA_F
ClientSampled :
P-1419-S

Tot Ion:106 Resp: 8740
Ion Ratio Lower Upper
106 100
91 177.1 164.8 247.2

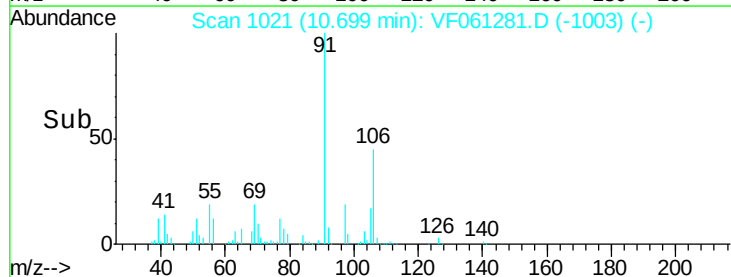
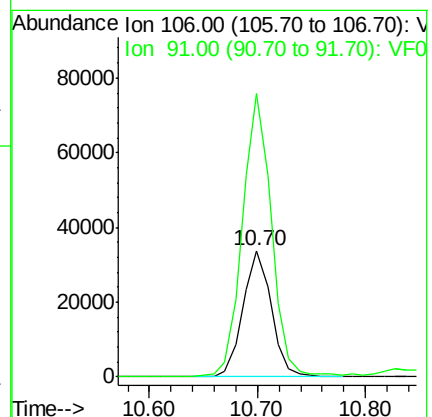
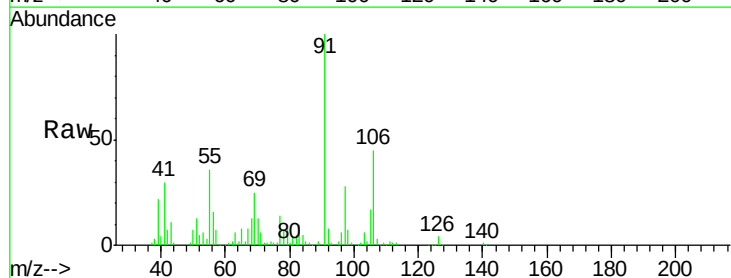
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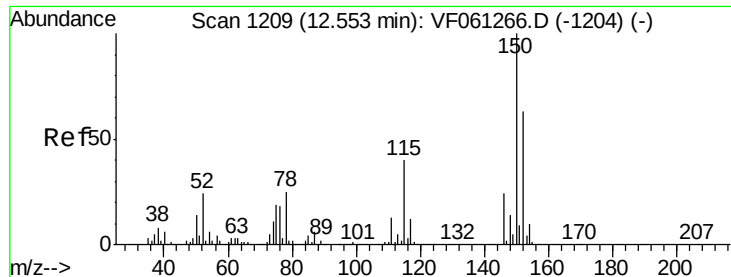
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#69
o-Xylene
Concen: 30.705 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.02 min
Lab File: VF061281.D
Acq: 7 Jan 2019 16:07

Tgt Ion:106 Resp: 61309
Ion Ratio Lower Upper
106 100
91 224.5 106.2 318.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VF061281.D

Acq: 7 Jan 2019 16:07

Instrument :

MSVOA_F

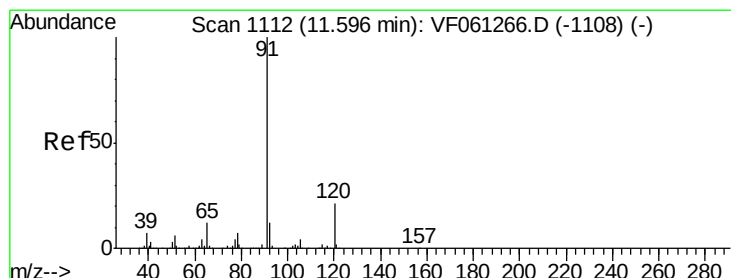
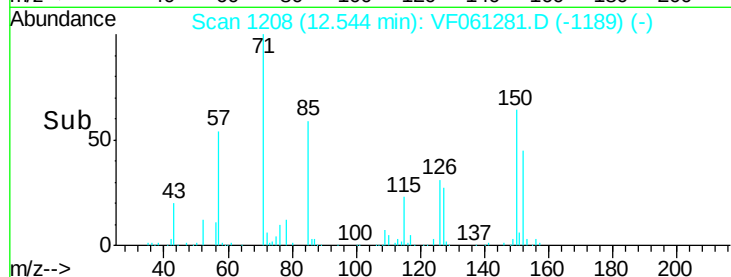
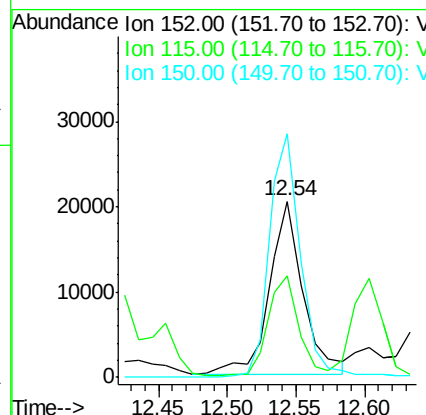
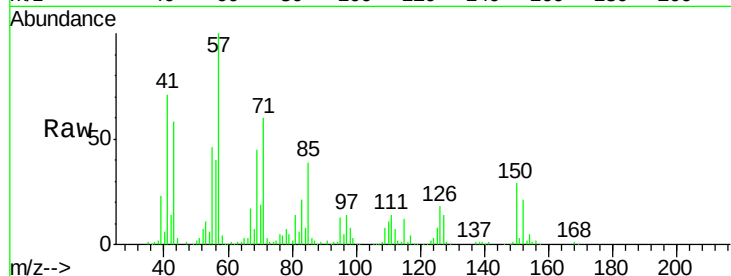
ClientSampled :

P-1419-S

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.9	31.6	94.7
150	138.3	0.0	320.2

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#78

n-propylbenzene

Concen: 2.507 ug/l

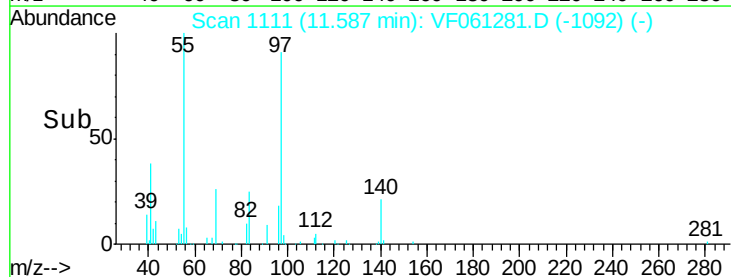
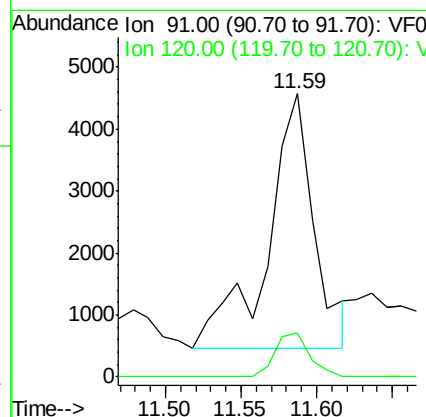
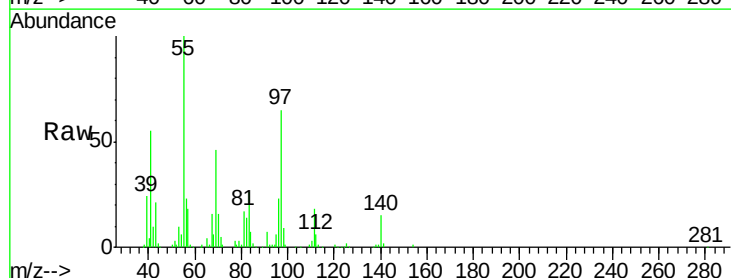
RT: 11.59 min Scan# 1111

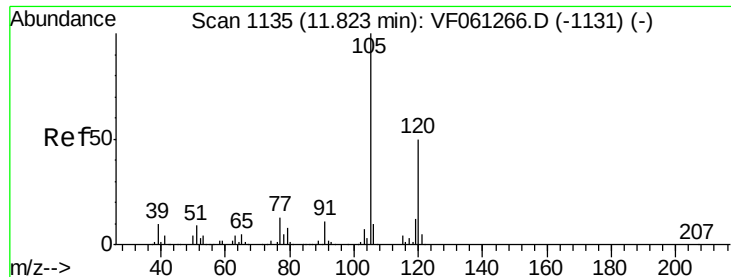
Delta R.T. -0.01 min

Lab File: VF061281.D

Acq: 7 Jan 2019 16:07

Tgt Ion	Ratio	Lower	Upper
91	100		
120	15.3	10.6	31.8





#80

1,3,5-Trimethylbenzene

Concen: 143.892 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF061281.D

Acq: 7 Jan 2019 16:07

Instrument :

MSVOA_F

ClientSampleId :

P-1419-S

Tot Ion:105 Resp: 339973

Ion Ratio Lower Upper

105 100

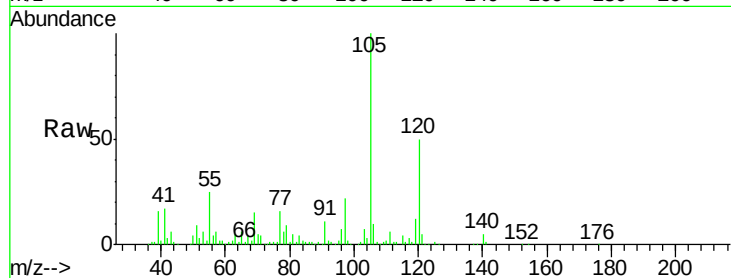
120 50.0 24.8 74.4

Manual Integrations

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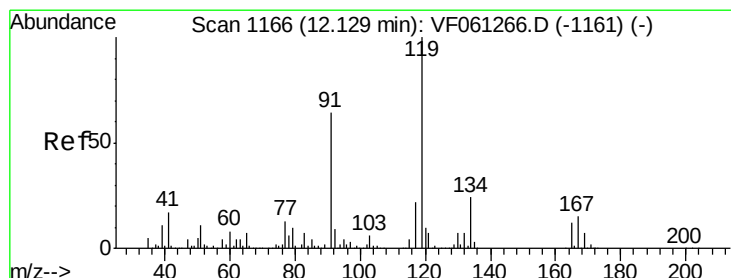
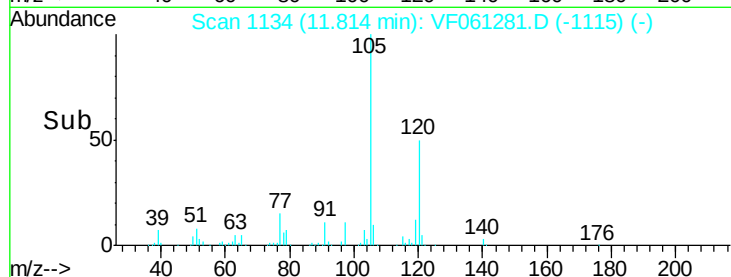
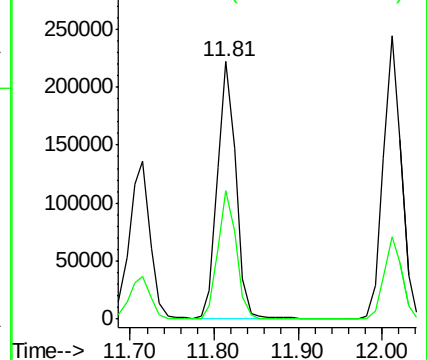
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#83

tert-Butylbenzene

Concen: 12.326 ug/l

RT: 12.12 min Scan# 1165

Delta R.T. -0.01 min

Lab File: VF061281.D

Acq: 7 Jan 2019 16:07

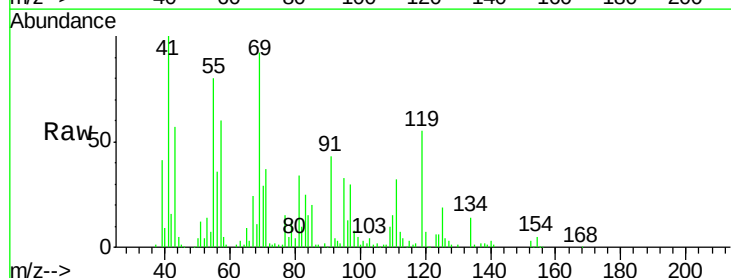
Tgt Ion:119 Resp: 30028

Ion Ratio Lower Upper

119 100

91 79.1 32.0 96.0

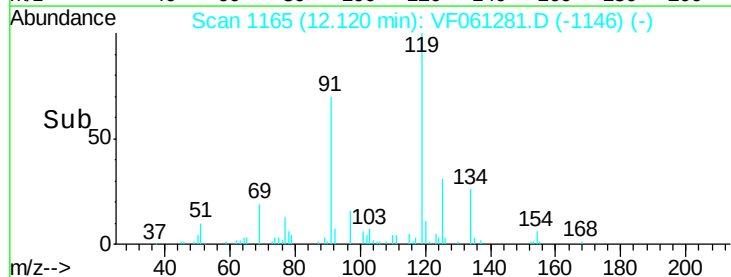
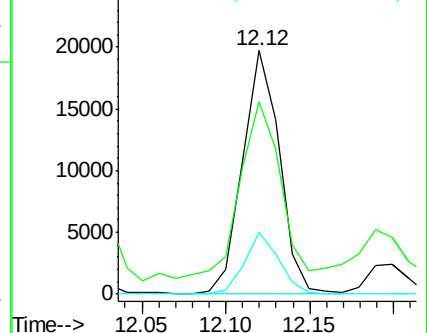
134 25.5 12.1 36.3

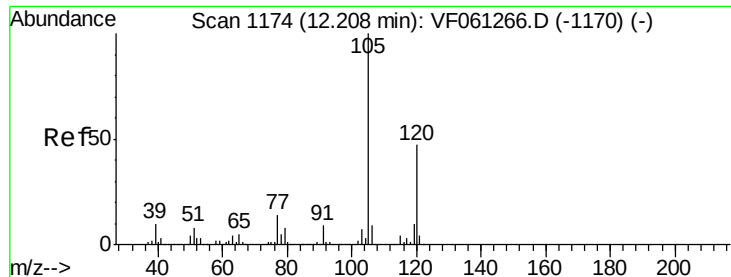


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V





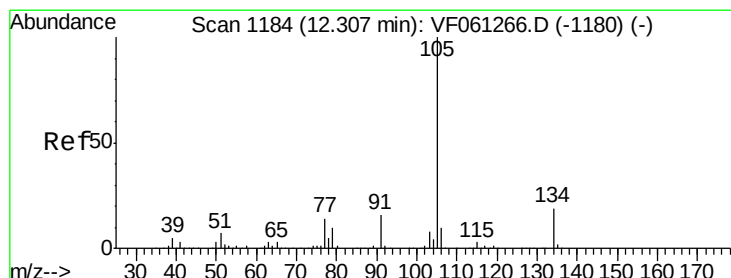
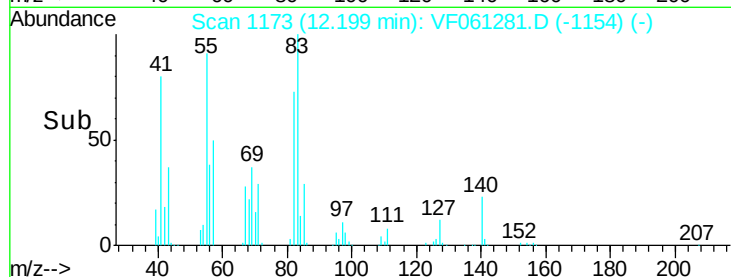
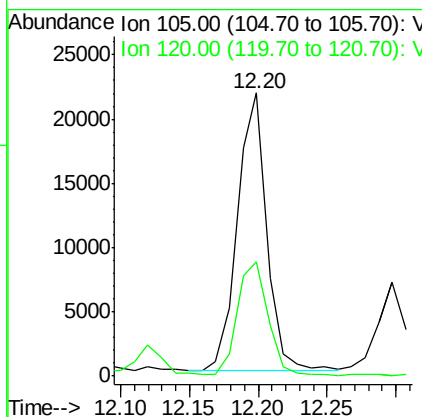
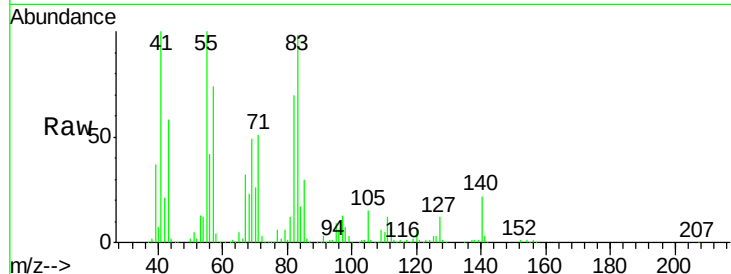
#84
 1,2,4-Trimethylbenzene
 Concen: 13.634 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. -0.01 min
 Lab File: VF061281.D
 Acq: 7 Jan 2019 16:07

Instrument :
 MSVOA_F
 ClientSampleId :
 P-1419-S

Tot Ion	Ratio	Lower	Upper
105	100		
120	40.2	23.3	69.9

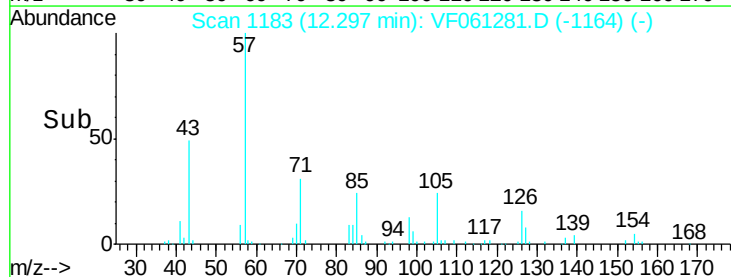
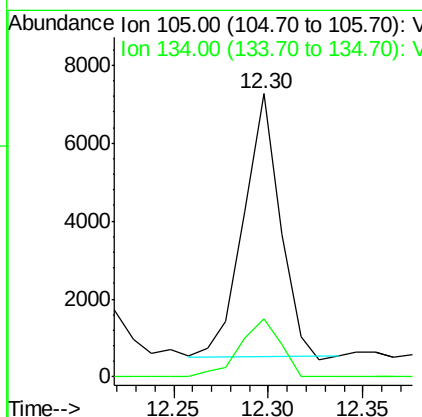
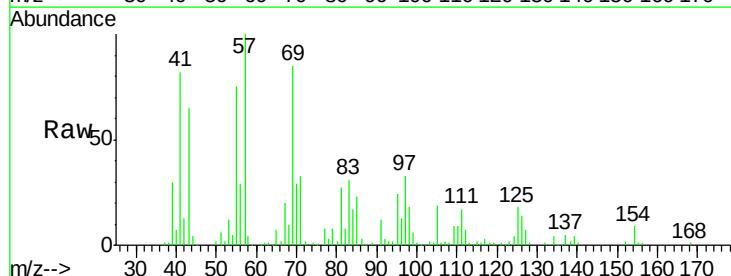
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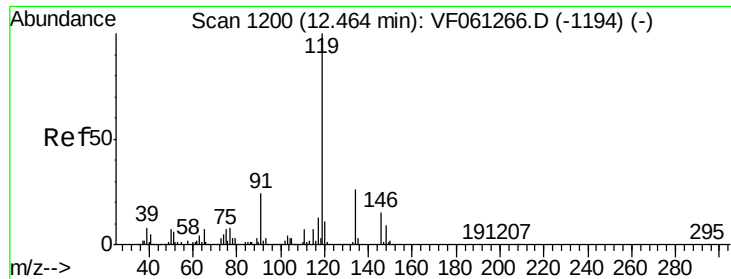
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#85
 sec-Butylbenzene
 Concen: 2.726 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: VF061281.D
 Acq: 7 Jan 2019 16:07

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.7	9.4	28.2





#86
 p-Isopropyltoluene
 Concen: 39.655 ug/l m
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: VF061281.D
 Acq: 7 Jan 2019 16:07

Instrument :
 MSVOA_F
 ClientSampleId :
 P-1419-S

Tot Ion	Ratio	Resp Lower	Upper
119	100		
134	26.0	13.2	39.6
91	29.1	11.9	35.7

Manual Integrations
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