

Data Path : Z:\voasrv\HPCHEM1\MSVOA_F\Data\VF122018\
 Data File : VF061113.D
 Acq On : 20 Dec 2018 17:40
 Operator : VA/AP
 Sample : J6377-14
 Misc : 4.31g/5mL/MSVOA-F/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD005-0612-01

Manual Integrations
 APPROVED

apatel
 12/21/2018 12:23:31 PM

Quant Time: Jan 03 16:27:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	155288	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.60	114	269794	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.79	117	170693	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	48646	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	61565	30.82	ug/l	0.01
Spiked Amount 50.000			Recovery	=	61.64%	
35) Dibromofluoromethane	4.12	113	78705	36.42	ug/l	0.01
Spiked Amount 50.000			Recovery	=	72.84%	
50) Toluene-d8	7.57	98	189416	30.93	ug/l	0.01
Spiked Amount 50.000			Recovery	=	61.86%	
62) 4-Bromofluorobenzene	11.41	95	52156	18.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	36.94%	
Target Compounds						
					Qvalue	
16) Acetone	2.25	43	17264	43.238	ug/l	98
31) Cyclohexane	3.69	56	9601m	3.291	ug/l	
39) Methylcyclohexane	5.46	83	14263	4.882	ug/l	97
40) Benzene	4.65	78	40497	5.783	ug/l	95
52) Toluene	7.63	92	6097	1.315	ug/l	99
65) Chlorobenzene	9.81	112	35101	9.954	ug/l	92
68) m/p-Xylenes	10.14	106	777673	343.976	ug/l	89
69) o-Xylene	10.72	106	4448	1.774	ug/l	68
73) Isopropylbenzene	11.13	105	9083	2.167	ug/l	86
78) n-propylbenzene	11.60	91	8286	1.289	ug/l	97
80) 1,3,5-Trimethylbenzene	11.83	105	25462	7.376	ug/l	96
84) 1,2,4-Trimethylbenzene	12.21	105	73271	21.286	ug/l	100
86) p-Isopropyltoluene	12.46	119	3969	1.032	ug/l	80
88) 1,4-Dichlorobenzene	12.57	146	46665	28.161	ug/l	97
95) Naphthalene	14.46	128	13774	6.593	ug/l	99

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

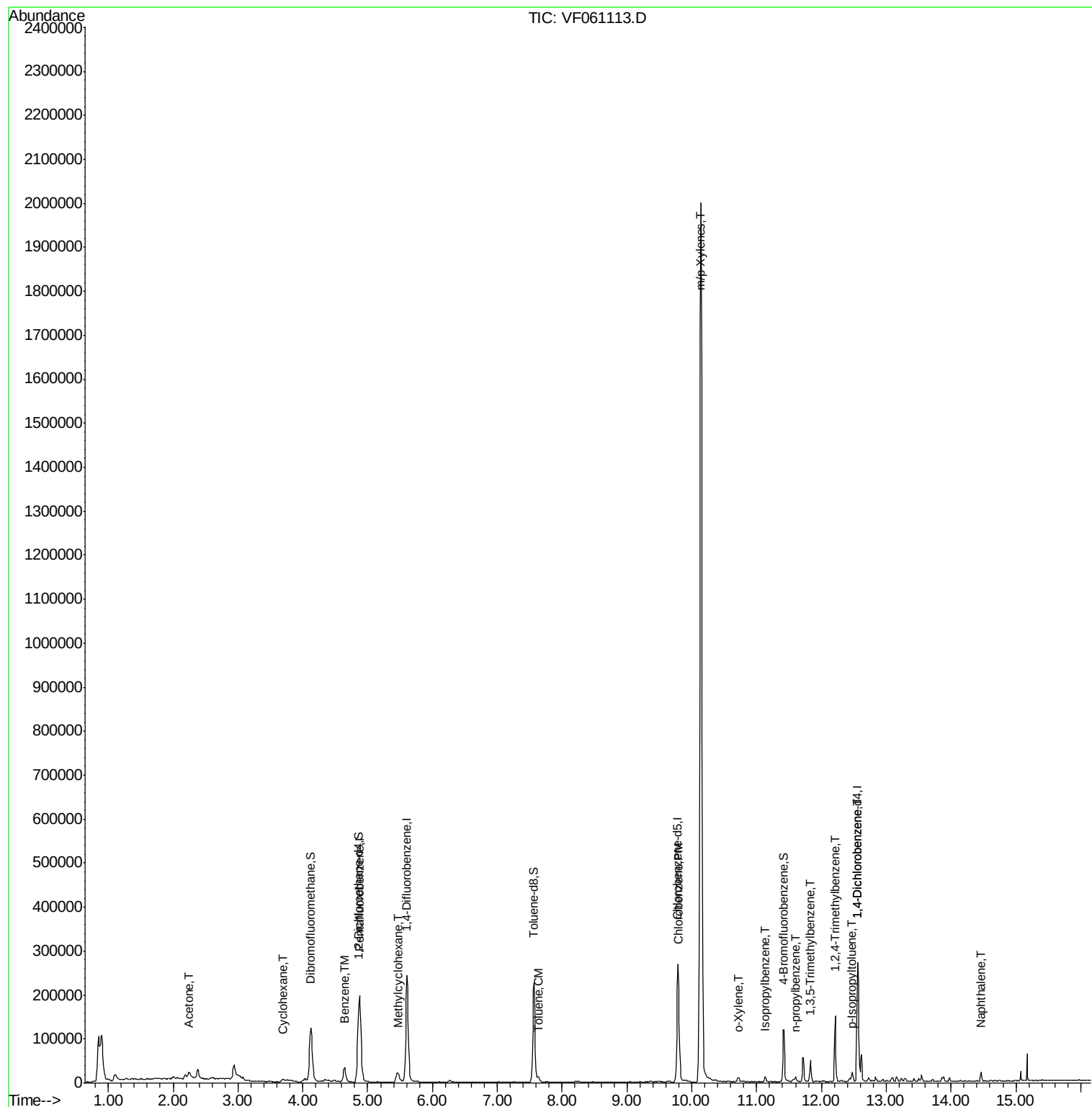
Data Path : Z:\voasrv\HPCHEM1\MSVOA_F\Data\VF122018\
Data File : VF061113.D
Acq On : 20 Dec 2018 17:40
Operator : VA/AP
Sample : J6377-14
Misc : 4.31g/5mL/MSVOA-F/SOIL
ALS Vial : 15 Sample Multiplier: 1

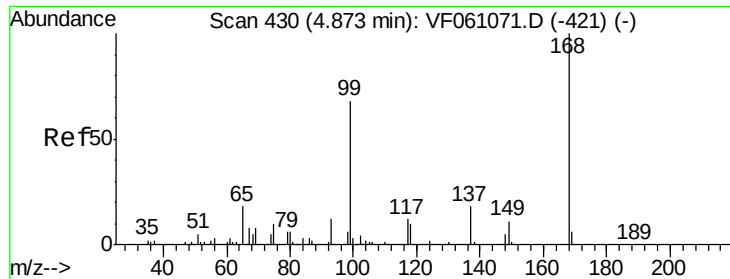
Instrument :
MSVOA_F
ClientSampleId :
P001-SD005-0612-01

Manual Integrations
APPROVED

apatel
12/21/2018 12:23:31 PM

Quant Time: Jan 03 16:27:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 00:56:59 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF061113.D

Acq: 20 Dec 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

P001-SD005-0612-01

Tgt Ion: 168 Resp: 155288

Ion Ratio Lower Upper

168 100

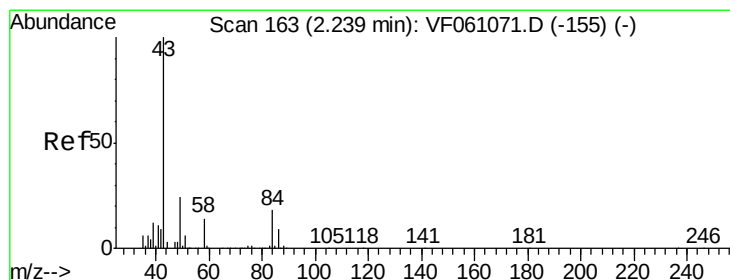
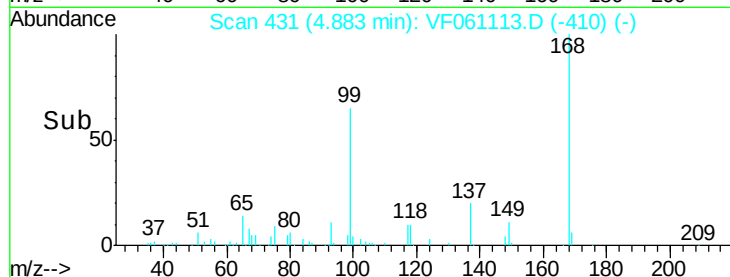
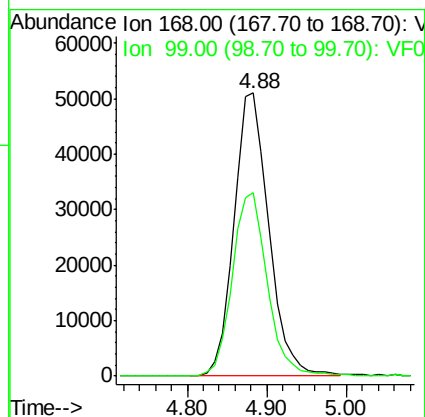
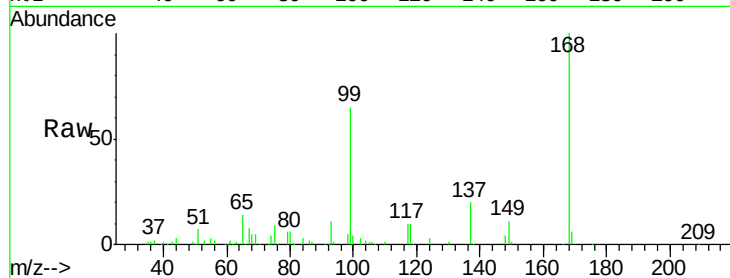
99 65.0 54.4 81.6

Manual Integrations

APPROVED

apatel

12/21/2018 12:23:31 PM



#16

Acetone

Concen: 43.238 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF061113.D

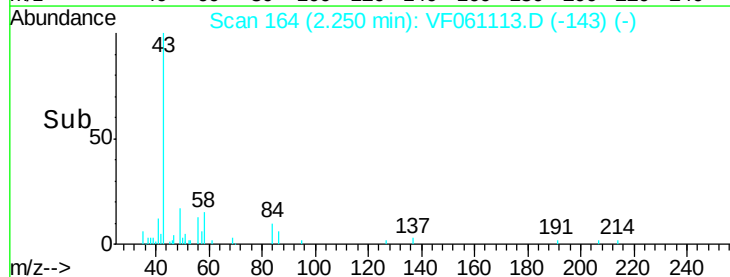
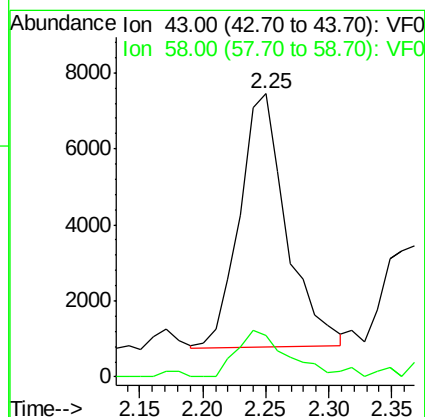
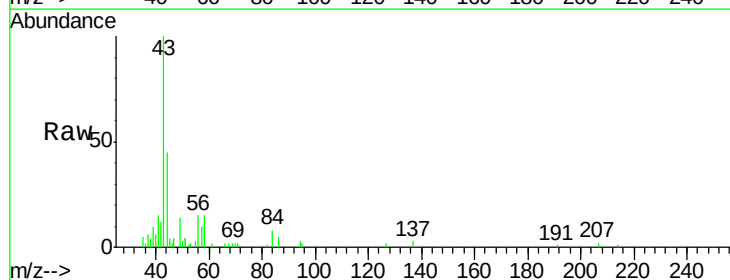
Acq: 20 Dec 2018 17:40

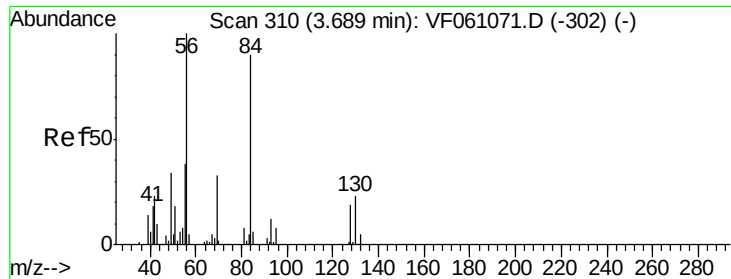
Tgt Ion: 43 Resp: 17264

Ion Ratio Lower Upper

43 100

58 14.5 11.1 16.7





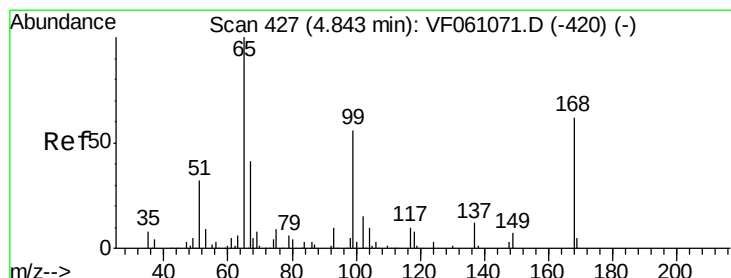
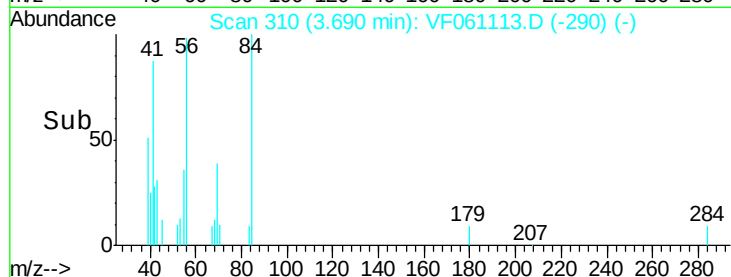
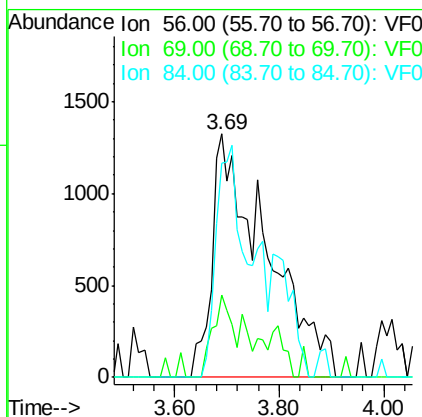
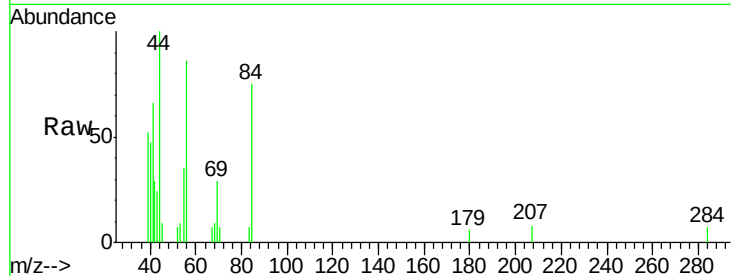
#31
Cyclohexane
Concen: 3.291 ug/l m
RT: 3.69 min Scan# 310
Delta R.T. 0.00 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :
P001-SD005-0612-01

Tgt Ion: 56 Resp: 9601
Ion Ratio Lower Upper
56 100
69 33.9 26.0 39.0
84 87.9 71.4 107.2

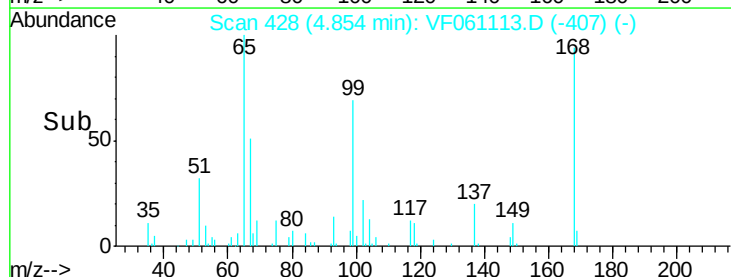
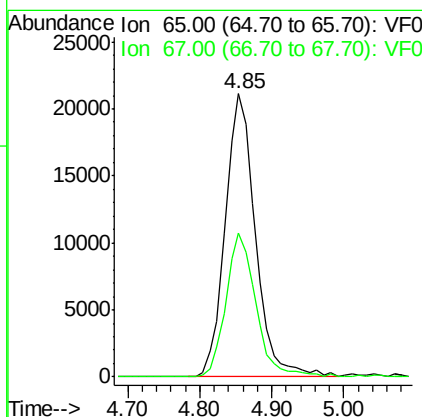
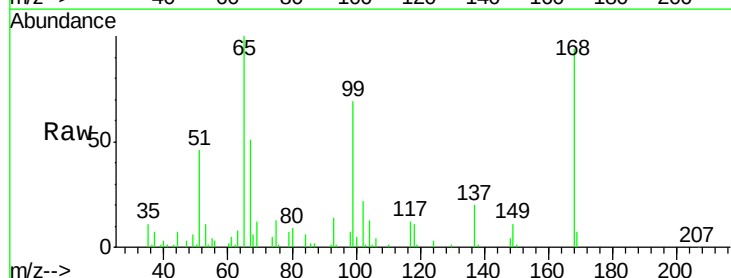
Manual Integrations
APPROVED

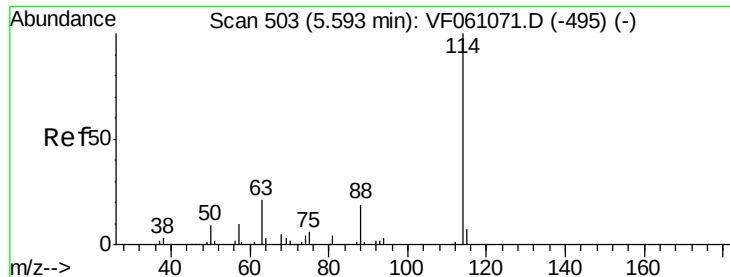
apatel
12/21/2018 12:23:31 PM



#33
1,2-Dichloroethane-d4
Concen: 30.825 ug/l
RT: 4.85 min Scan# 428
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Tgt Ion: 65 Resp: 61565
Ion Ratio Lower Upper
65 100
67 50.7 0.0 94.6





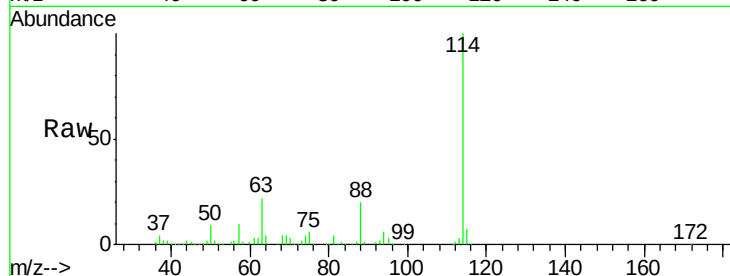
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. 0.01 min
 Lab File: VF061113.D
 Acq: 20 Dec 2018 17:40

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD005-0612-01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	269794		
63	21.6	0.0	41.6	
88	19.9	0.0	38.0	

Manual Integrations
 APPROVED

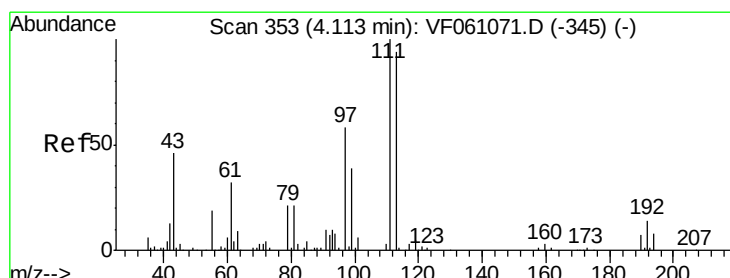
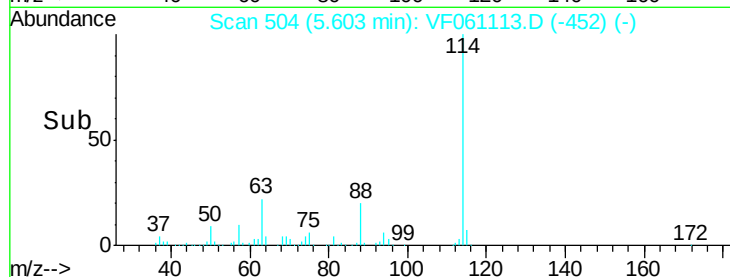
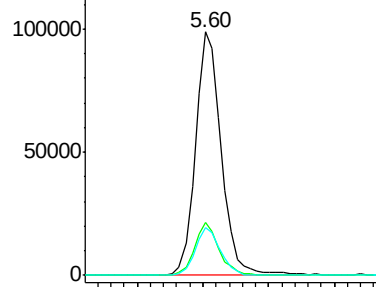
apatel
 12/21/2018 12:23:31 PM



Abundance Ion 114.00 (113.70 to 114.70): V

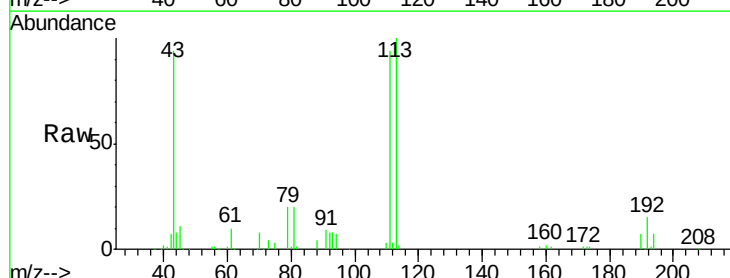
Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35
 Dibromofluoromethane
 Concen: 36.417 ug/l
 RT: 4.12 min Scan# 354
 Delta R.T. 0.01 min
 Lab File: VF061113.D
 Acq: 20 Dec 2018 17:40

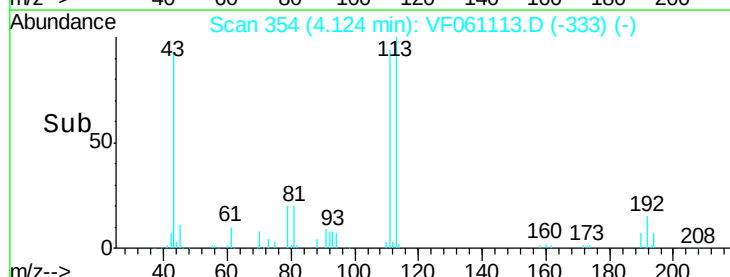
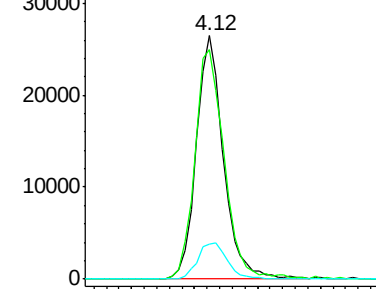
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	78705		
111	94.2	85.2	127.8	
192	14.6	12.8	19.2	

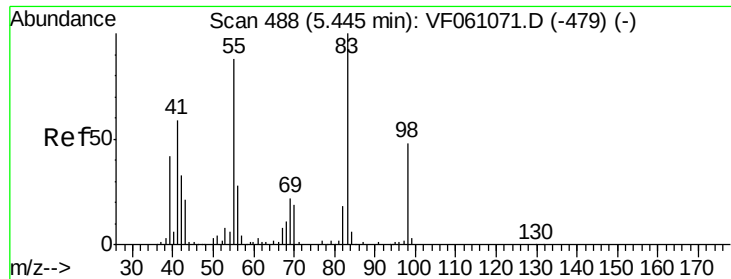


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





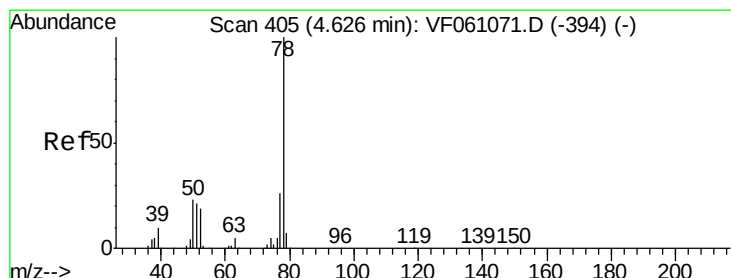
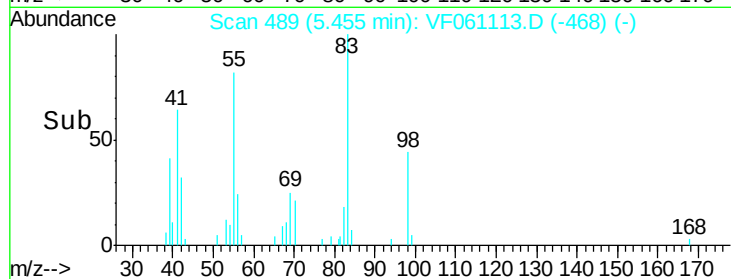
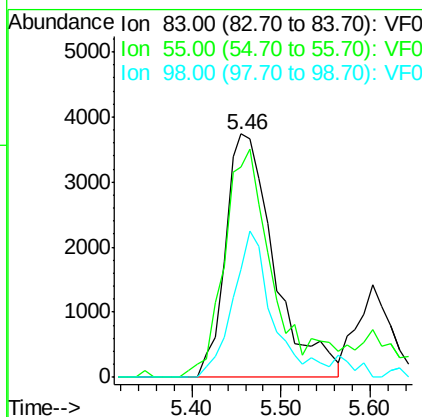
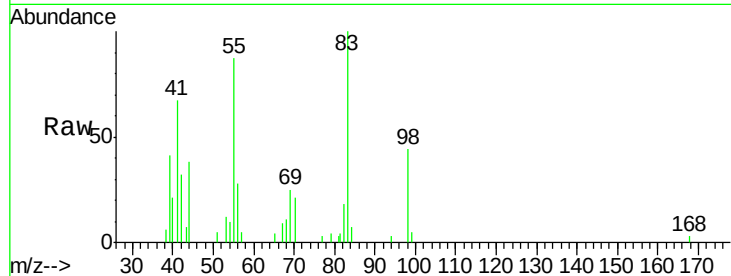
#39
Methylcyclohexane
Concen: 4.882 ug/l
RT: 5.46 min Scan# 489
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :
P001-SD005-0612-01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	14263		
55	86.5	70.6	105.8	
98	44.3	38.5	57.7	

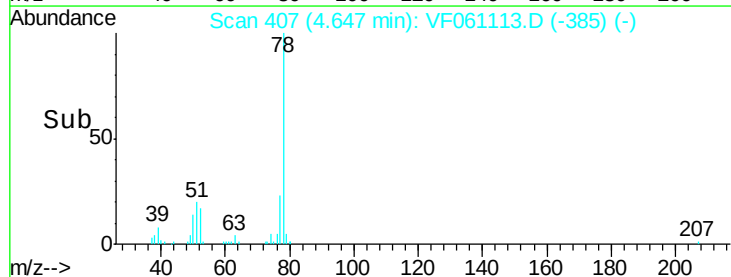
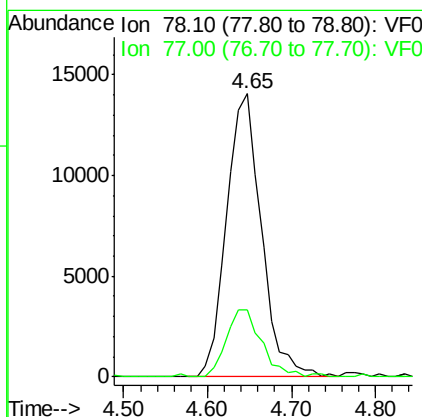
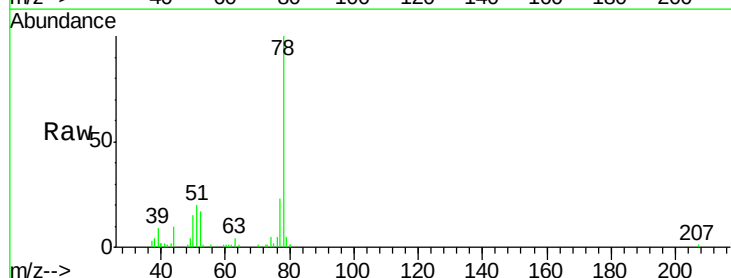
Manual Integrations
APPROVED

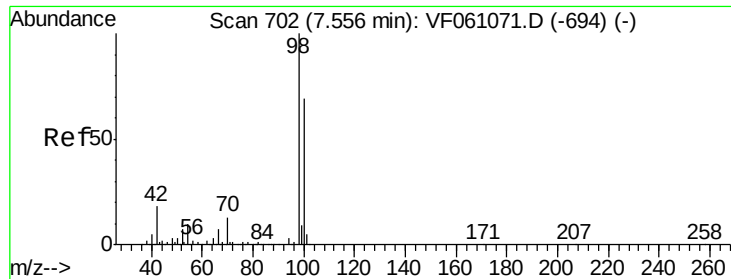
apatel
12/21/2018 12:23:31 PM



#40
Benzene
Concen: 5.783 ug/l
RT: 4.65 min Scan# 407
Delta R.T. 0.02 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	40497		
77	23.5	20.7	31.1	





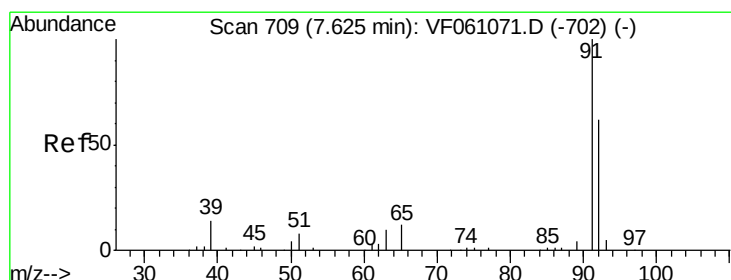
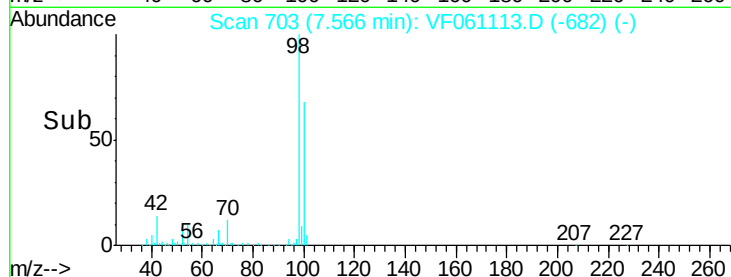
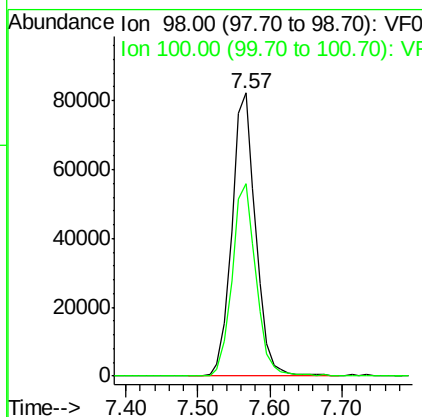
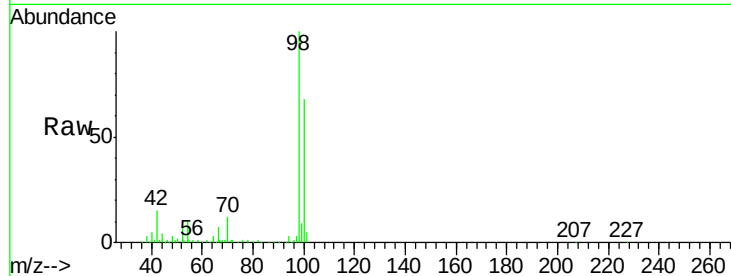
#50
Toluene-d8
Concen: 30.927 ug/l
RT: 7.57 min Scan# 703
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :
P001-SD005-0612-01

Tgt Ion: 98 Resp: 189416
Ion Ratio Lower Upper
98 100
100 68.1 55.3 82.9

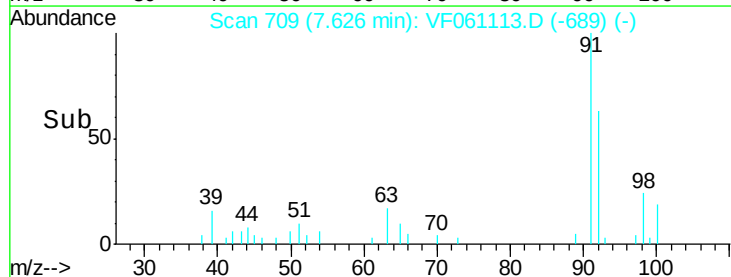
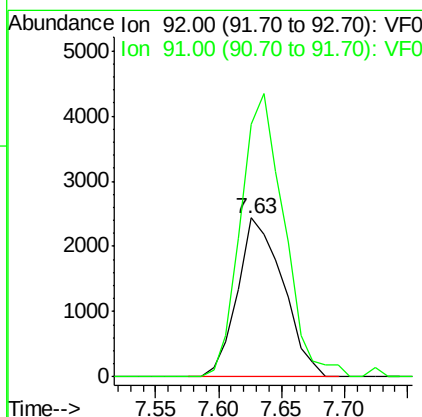
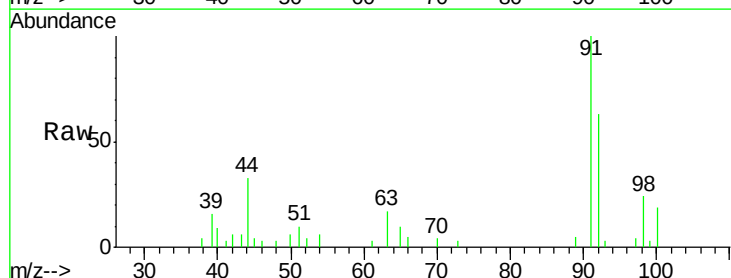
Manual Integrations
APPROVED

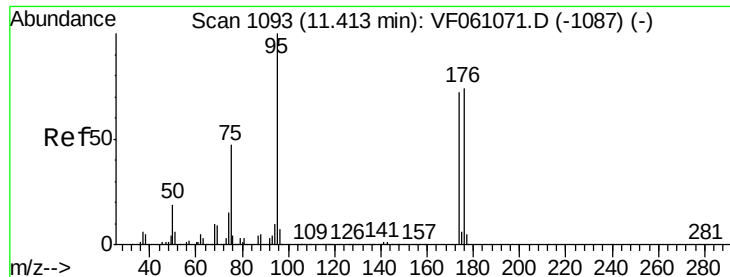
apatel
12/21/2018 12:23:31 PM



#52
Toluene
Concen: 1.315 ug/l
RT: 7.63 min Scan# 709
Delta R.T. 0.00 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Tgt Ion: 92 Resp: 6097
Ion Ratio Lower Upper
92 100
91 159.1 128.8 193.2





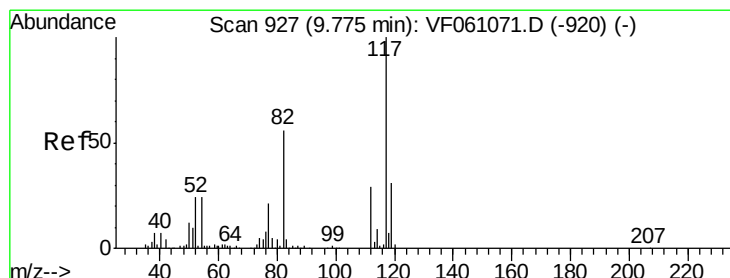
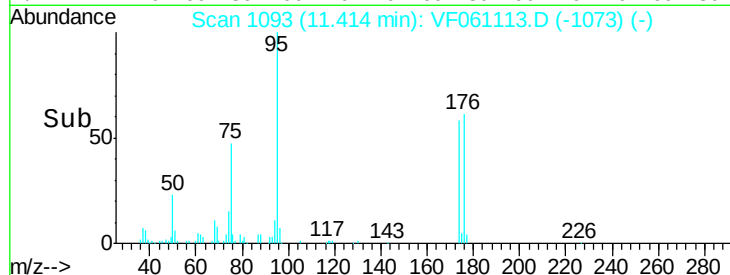
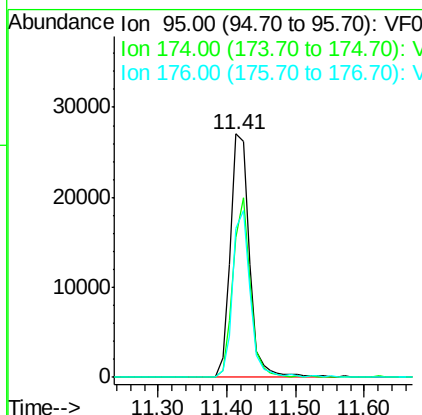
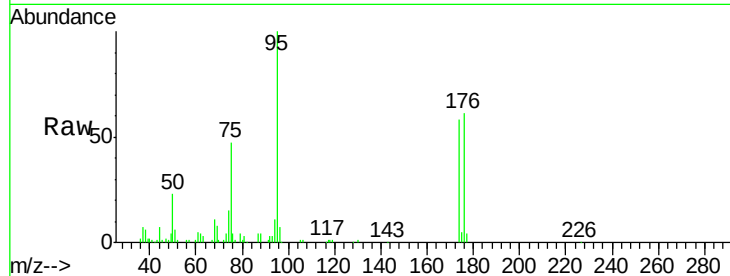
#62
4-Bromofluorobenzene
Concen: 18.472 ug/l
RT: 11.41 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :
P001-SD005-0612-01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	57.7	0.0	143.8
176	61.1	0.0	147.6

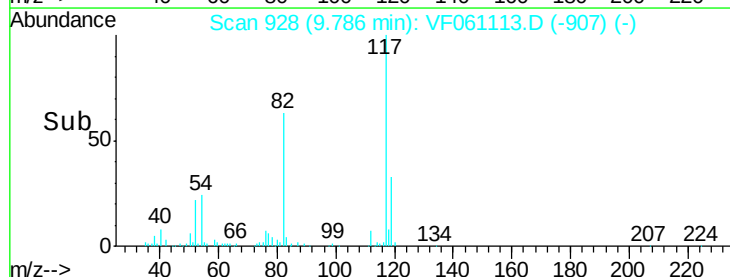
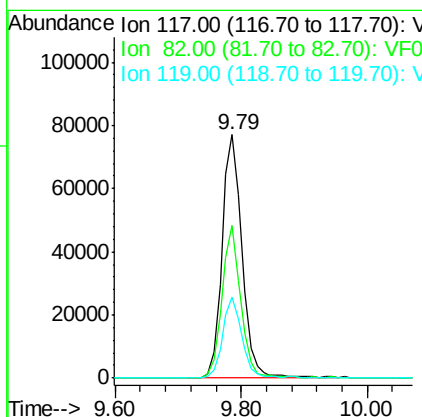
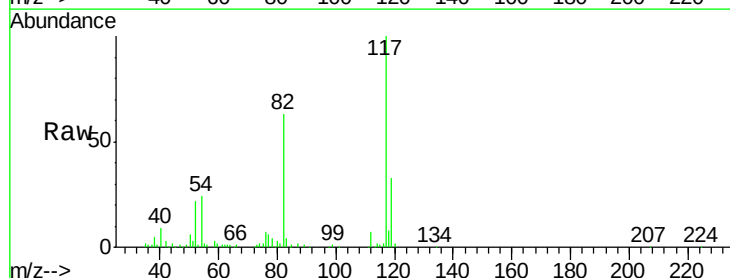
Manual Integrations
APPROVED

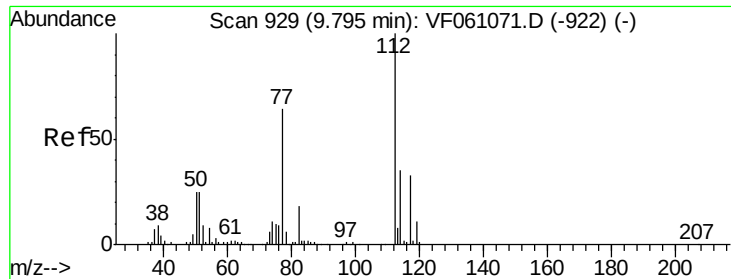
apatel
12/21/2018 12:23:31 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 928
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Tgt Ion	Ratio	Lower	Upper
117	100		
82	63.0	45.0	67.4
119	33.4	24.8	37.2





#65

Chlorobenzene

Concen: 9.954 ug/l

RT: 9.81 min Scan# 930

Delta R.T. 0.01 min

Lab File: VF061113.D

Acq: 20 Dec 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

P001-SD005-0612-01

Tgt Ion:112 Resp: 35101

Ion Ratio Lower Upper

112 100

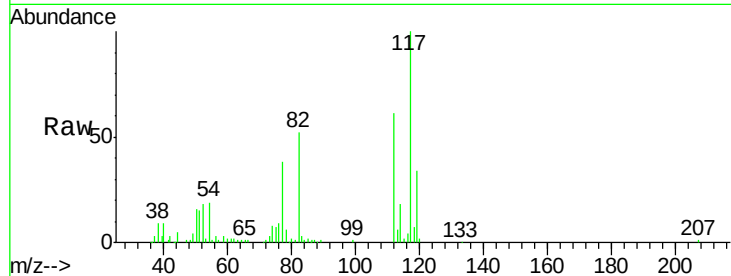
114 30.0 27.8 41.6

Manual Integrations

APPROVED

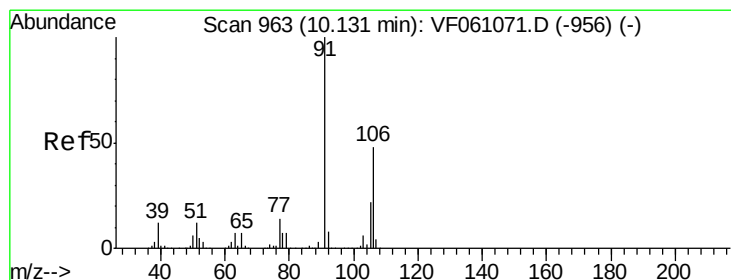
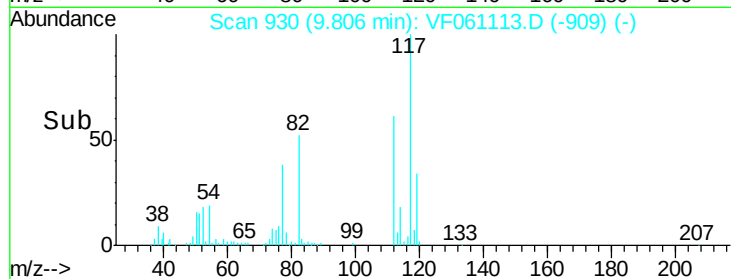
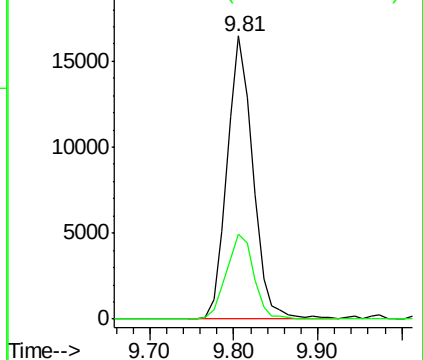
apatel

12/21/2018 12:23:31 PM



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#68

m/p-Xylenes

Concen: 343.976 ug/l

RT: 10.14 min Scan# 964

Delta R.T. 0.01 min

Lab File: VF061113.D

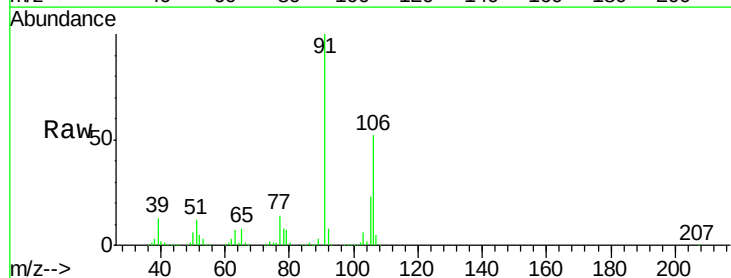
Acq: 20 Dec 2018 17:40

Tgt Ion:106 Resp: 777673

Ion Ratio Lower Upper

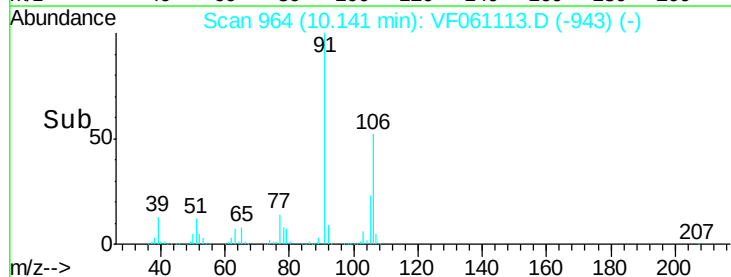
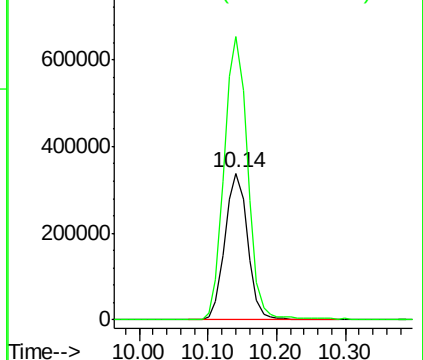
106 100

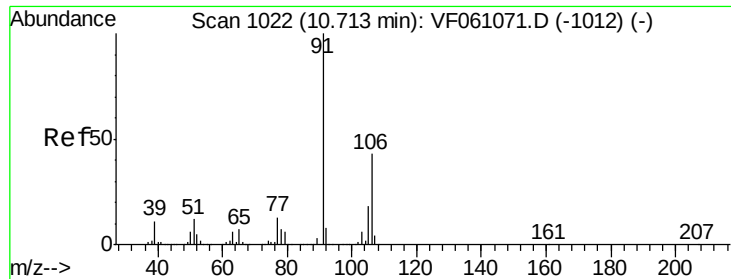
91 192.5 168.2 252.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





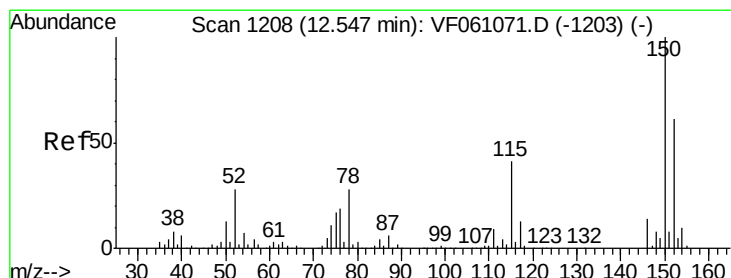
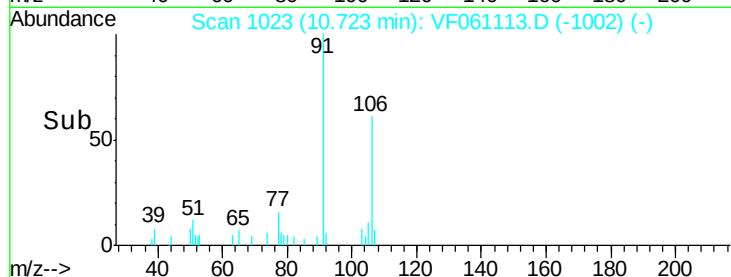
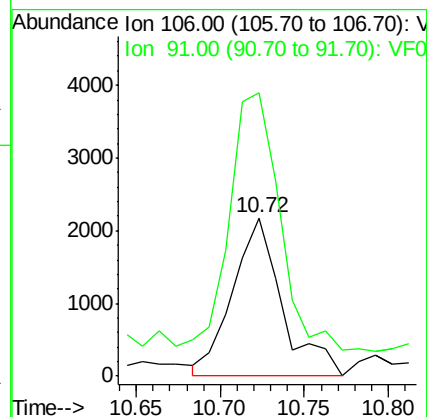
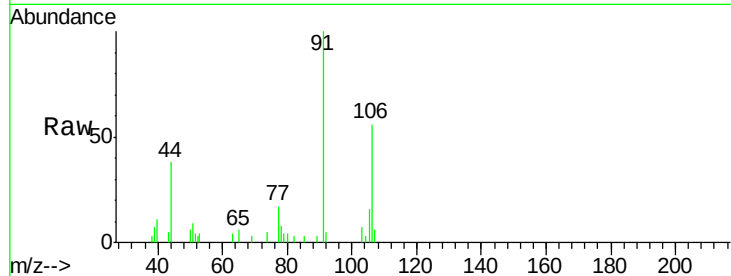
#69
o-Xylene
Concen: 1.774 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :
P001-SD005-0612-01

Tgt Ion:106 Resp: 4448
Ion Ratio Lower Upper
106 100
91 179.1 115.9 347.7

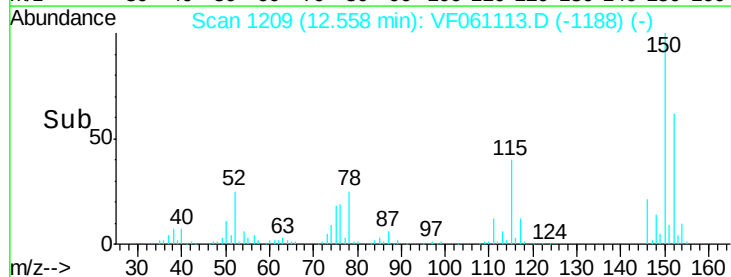
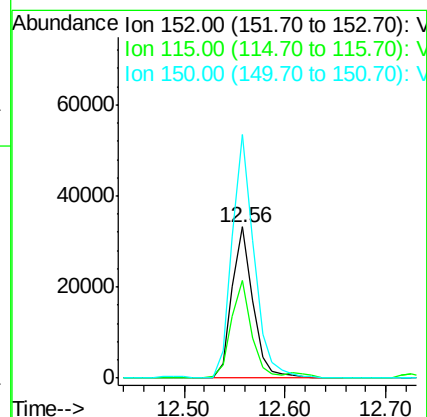
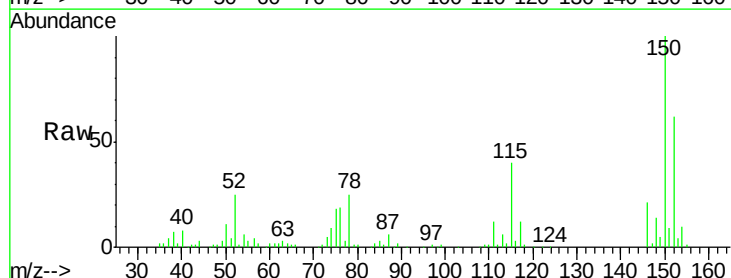
Manual Integrations
APPROVED

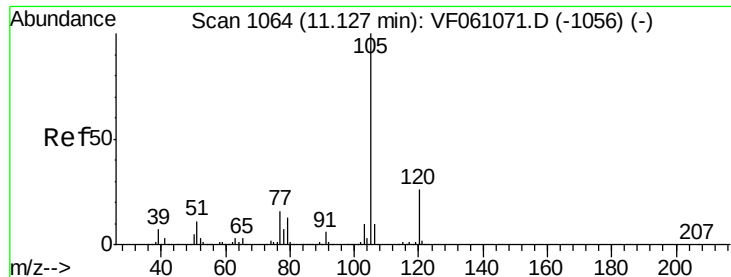
apatel
12/21/2018 12:23:31 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1209
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Tgt Ion:152 Resp: 48646
Ion Ratio Lower Upper
152 100
115 64.2 33.3 99.9
150 160.9 0.0 328.2





#73

Isopropylbenzene

Concen: 2.167 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VF061113.D

Acq: 20 Dec 2018 17:40

Instrument :

MSVOA_F

ClientSampleId :

P001-SD005-0612-01

Tgt Ion: 105 Resp: 9083

Ion Ratio Lower Upper

105 100

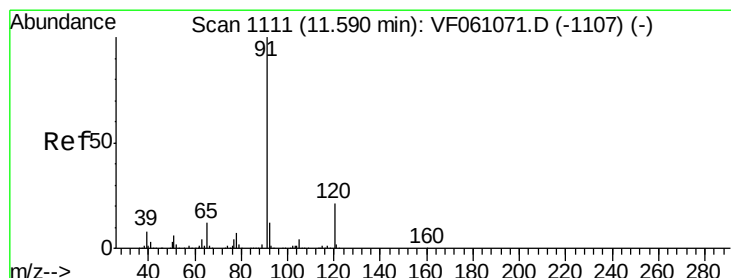
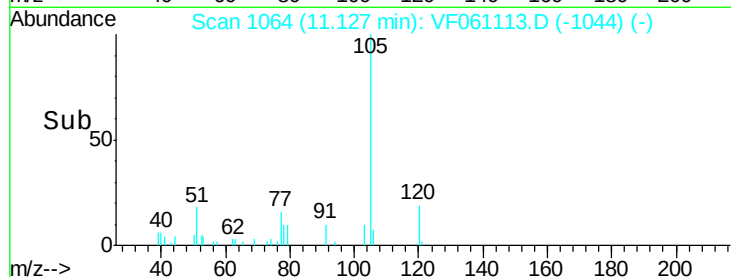
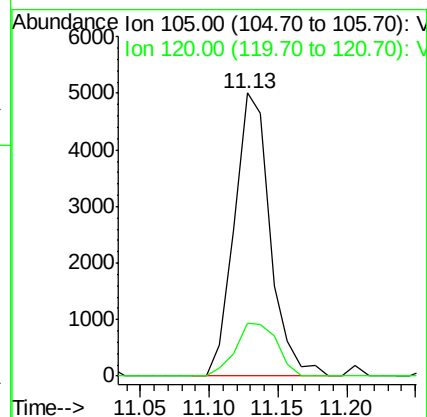
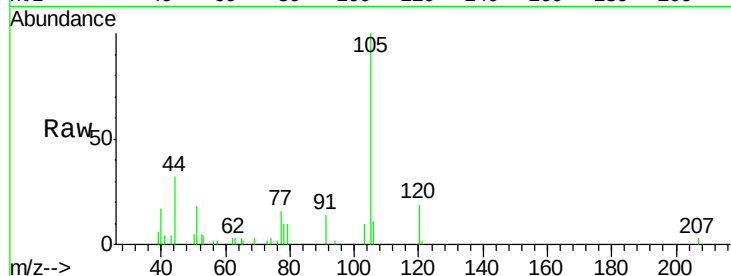
120 18.8 13.0 39.0

Manual Integrations

APPROVED

apatel

12/21/2018 12:23:31 PM



#78

n-propylbenzene

Concen: 1.289 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF061113.D

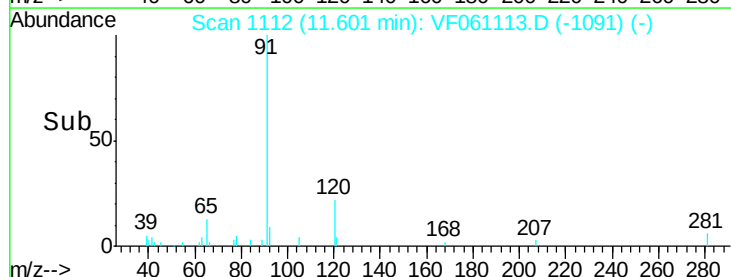
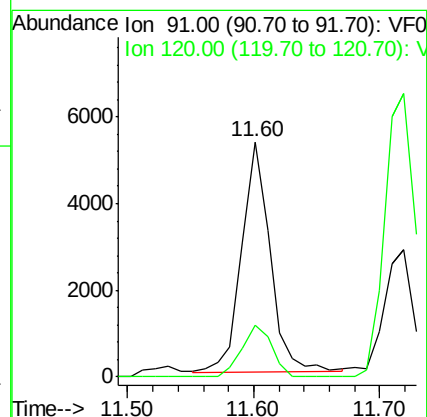
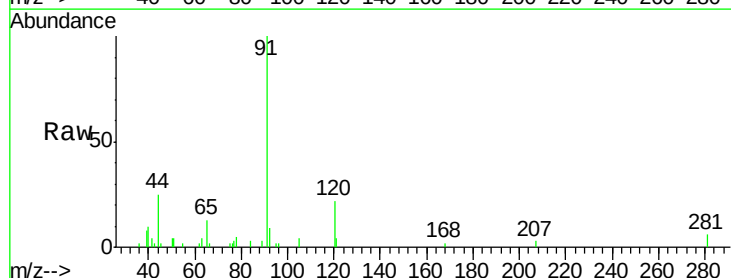
Acq: 20 Dec 2018 17:40

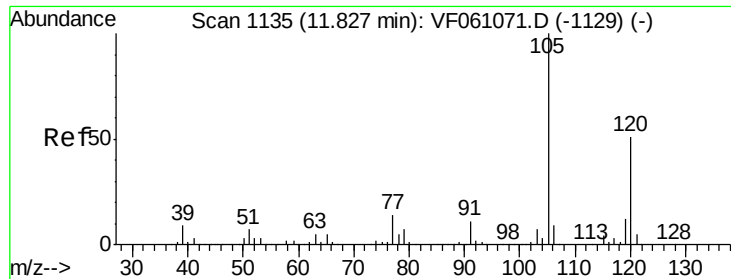
Tgt Ion: 91 Resp: 8286

Ion Ratio Lower Upper

91 100

120 22.1 10.4 31.2





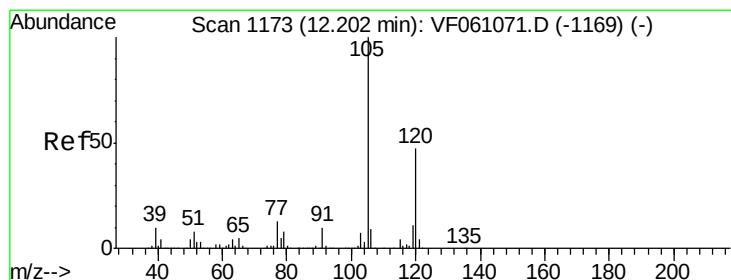
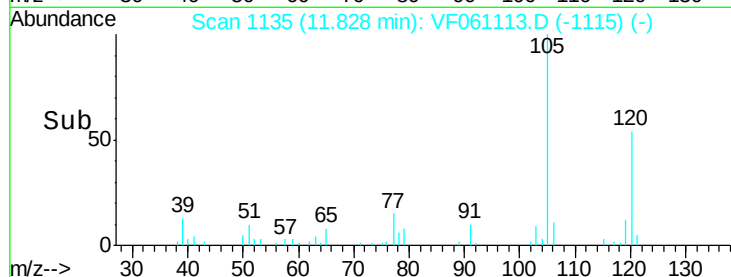
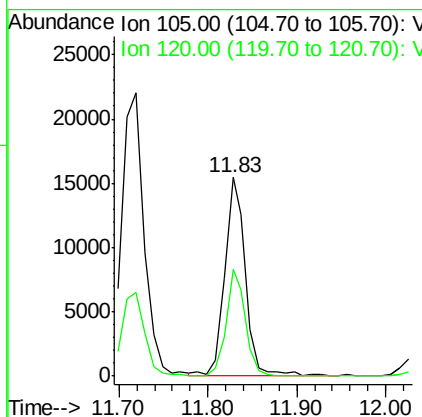
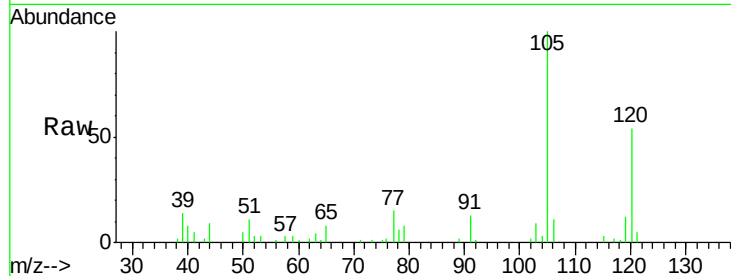
#80
 1,3,5-Trimethylbenzene
 Concen: 7.376 ug/l
 RT: 11.83 min Scan# 1135
 Delta R.T. 0.00 min
 Lab File: VF061113.D
 Acq: 20 Dec 2018 17:40

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD005-0612-01

Tgt Ion:105 Resp: 25462
 Ion Ratio Lower Upper
 105 100
 120 53.5 25.4 76.4

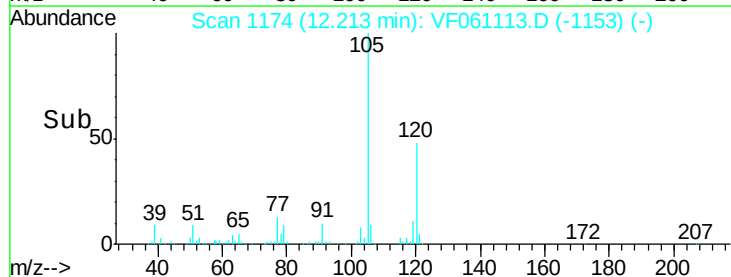
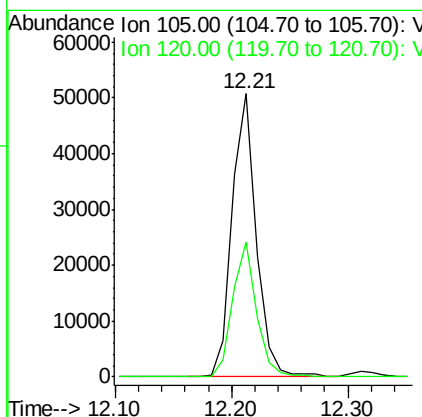
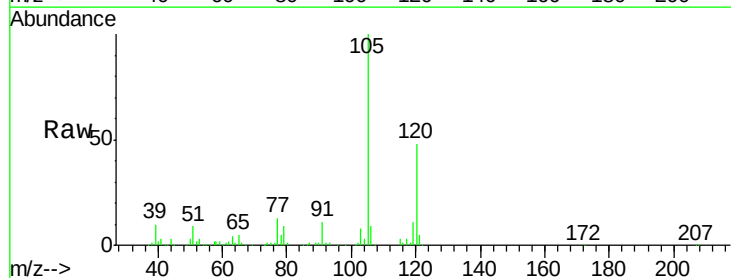
Manual Integrations
 APPROVED

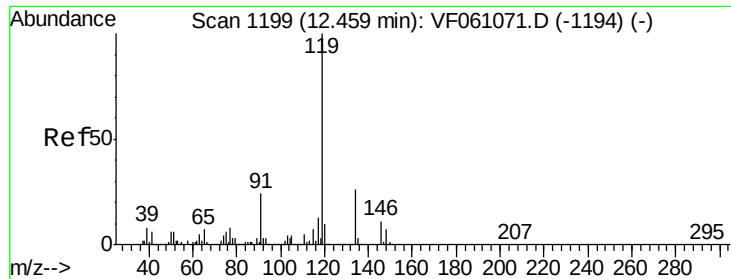
apatel
 12/21/2018 12:23:31 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.286 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. 0.01 min
 Lab File: VF061113.D
 Acq: 20 Dec 2018 17:40

Tgt Ion:105 Resp: 73271
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.6 71.0





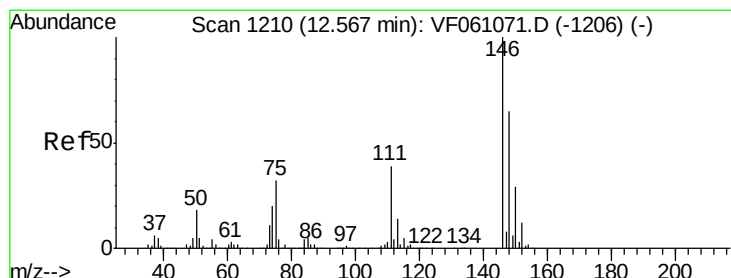
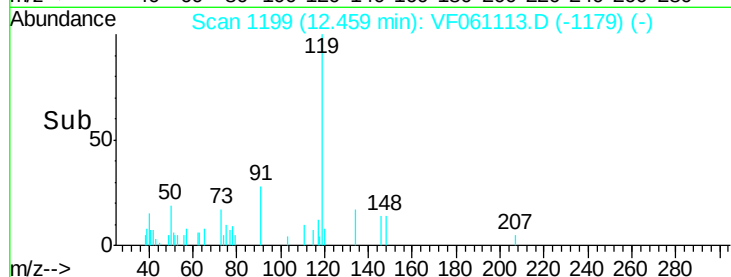
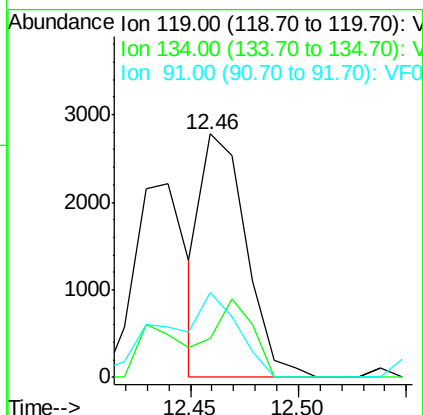
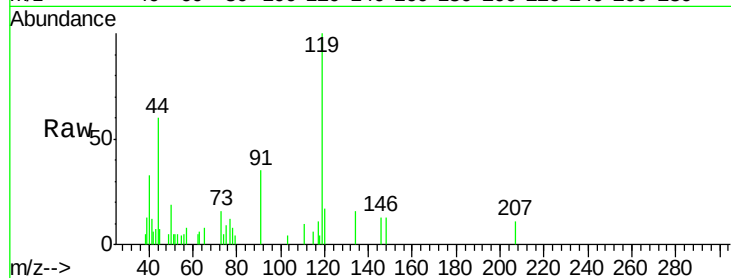
#86
p-Isopropyltoluene
Concen: 1.032 ug/l
RT: 12.46 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :
P001-SD005-0612-01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	15.8	12.8	38.4
91	34.7	12.2	36.6

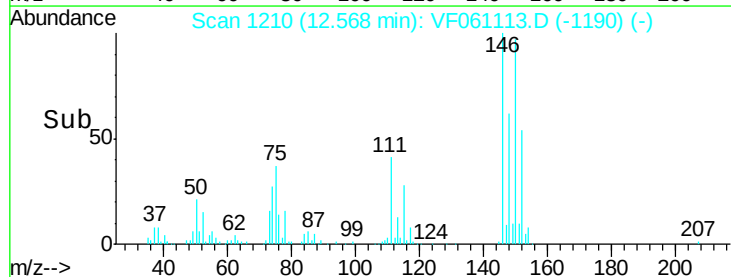
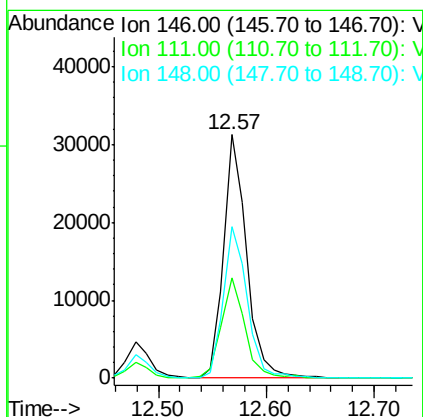
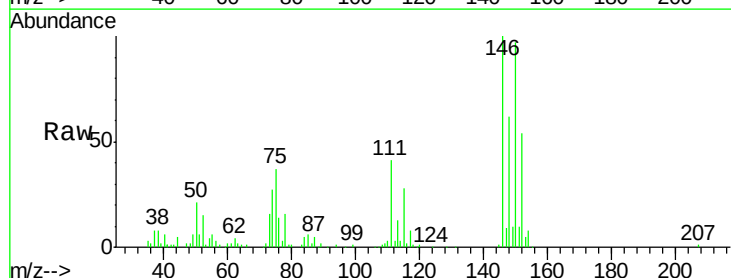
Manual Integrations
APPROVED

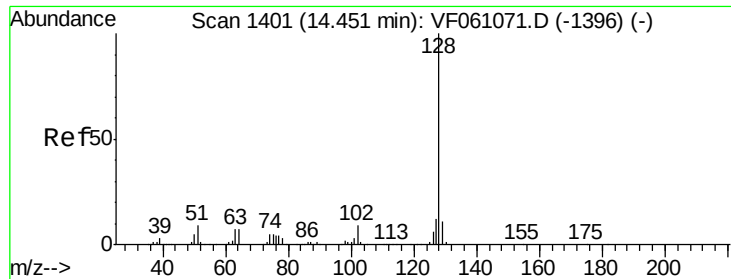
apatel
12/21/2018 12:23:31 PM



#88
1,4-Dichlorobenzene
Concen: 28.161 ug/l
RT: 12.57 min Scan# 1210
Delta R.T. 0.00 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.4	58.4
148	62.4	32.4	97.0





#95
Naphthalene
Concen: 6.593 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.01 min
Lab File: VF061113.D
Acq: 20 Dec 2018 17:40

Instrument :
MSVOA_F
ClientSampleId :
P001-SD005-0612-01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.9	9.4	14.2
129	11.5	8.8	13.2

Manual Integrations
APPROVED

apatel
12/21/2018 12:23:31 PM

