

Data File : VF061508.D
Acq On : 24 Jan 2019 19:02
Operator : VA/AP
Sample : K1223-05RE
Misc : 4.90g/5mL/MSVOA-F/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
TS-QRE

Manual Integrations
APPROVED

MMDadoda
2/4/2019 3:52:17 PM

Quant Time: Jan 25 05:44:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	150709	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.62	114	268421	50.00	ug/l	0.03
63) Chlorobenzene-d5	9.80	117	154520	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.57	152	36006	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	94994	51.05	ug/l	0.04
Spiked Amount 50.000			Recovery	=	102.10%	
35) Dibromofluoromethane	4.14	113	103387	48.81	ug/l	0.04
Spiked Amount 50.000			Recovery	=	97.62%	
50) Toluene-d8	7.58	98	200517	34.55	ug/l	0.03
Spiked Amount 50.000			Recovery	=	69.10%	
62) 4-Bromofluorobenzene	11.42	95	50930	18.78	ug/l	0.02
Spiked Amount 50.000			Recovery	=	37.56%	
Target Compounds						
16) Acetone	2.26	43	38652	103.548	ug/l	96
20) Methylene Chloride	2.19	84	7699m	4.476	ug/l	
25) 2-Butanone	4.36	43	133877	215.672	ug/l	98
86) p-Isopropyltoluene	12.48	119	12481	4.577	ug/l	96
95) Naphthalene	14.47	128	3661	2.378	ug/l #	92

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

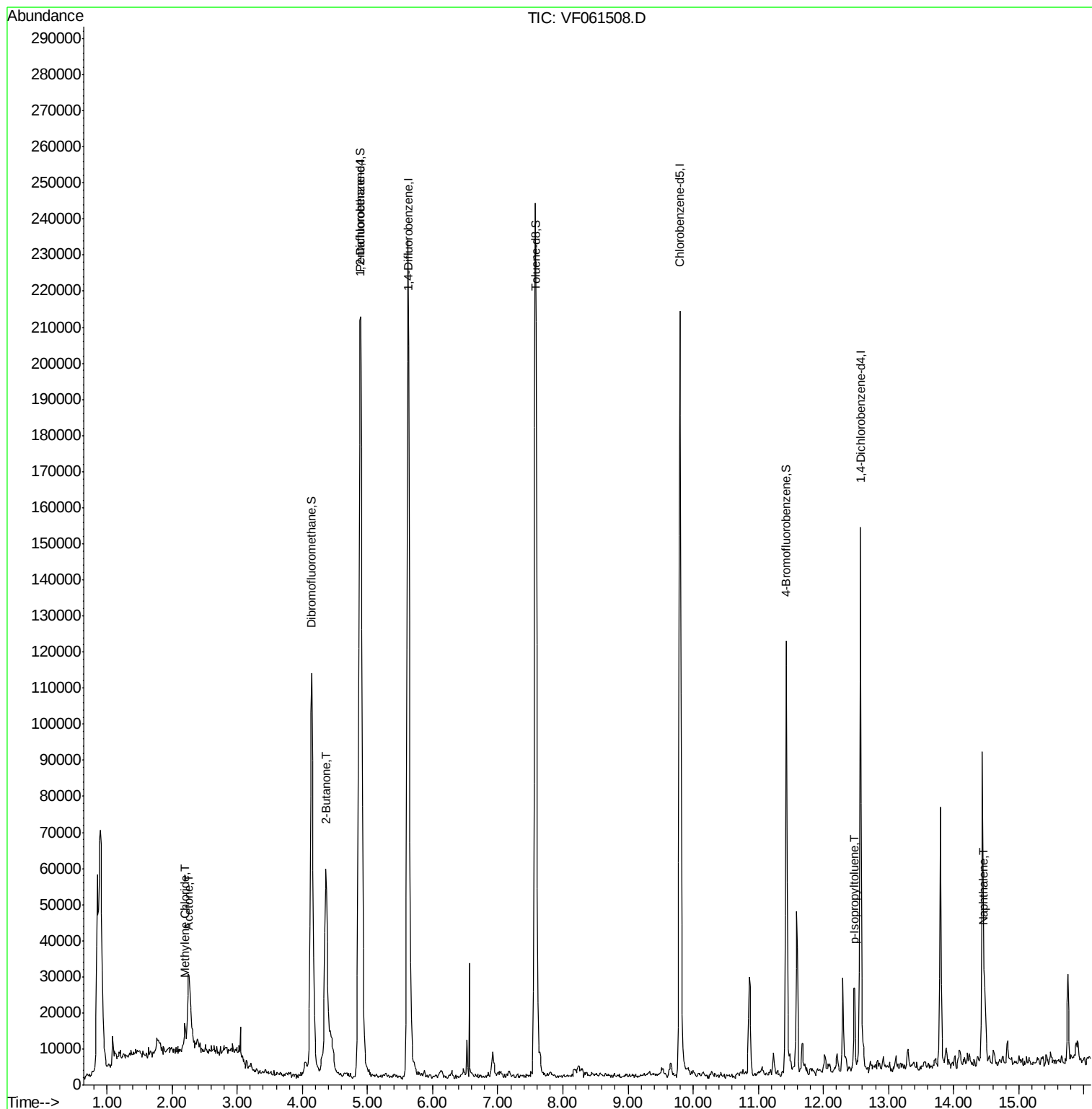
Data File : VF061508.D
Acq On : 24 Jan 2019 19:02
Operator : VA/AP
Sample : K1223-05RE
Misc : 4.90g/5mL/MSVOA-F/SOIL
ALS Vial : 18 Sample Multiplier: 1

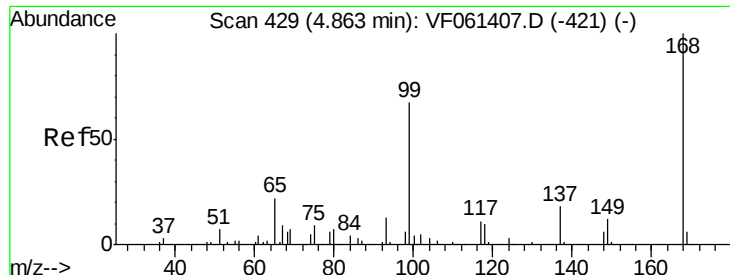
Instrument :
MSVOA_F
ClientSampleId :
TS-QRE

Manual Integrations
APPROVED

MMDadoda
2/4/2019 3:52:17 PM

Quant Time: Jan 25 05:44:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 04:51:59 2019
Response via : Initial Calibration





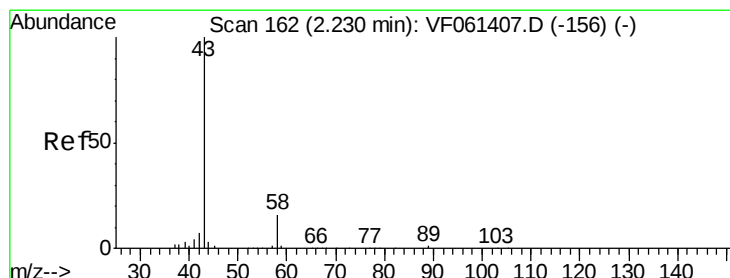
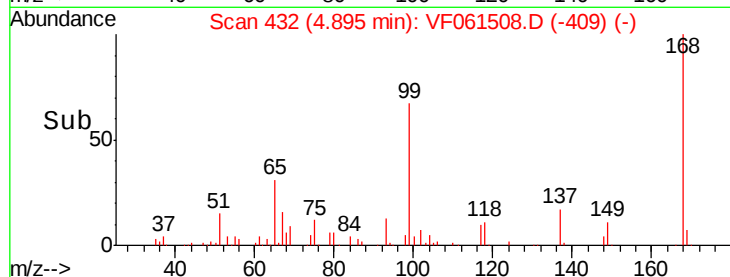
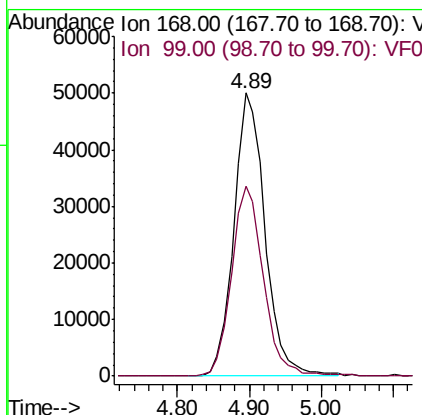
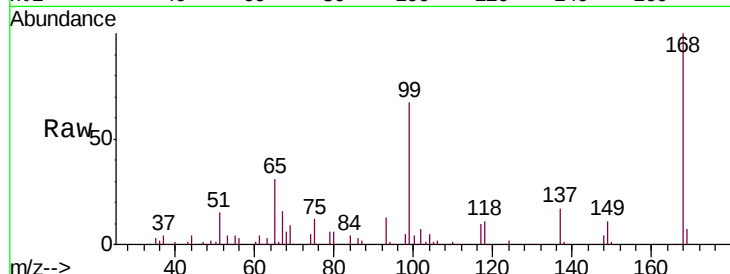
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.89 min Scan# 432
Delta R.T. 0.03 min
Lab File: VF061508.D
Acq: 24 Jan 2019 19:02

Instrument :
MSVOA_F
ClientSampled :
TS-QRE

Tgt Ion: 168 Resp: 150709
Ion Ratio Lower Upper
168 100
99 67.2 53.5 80.3

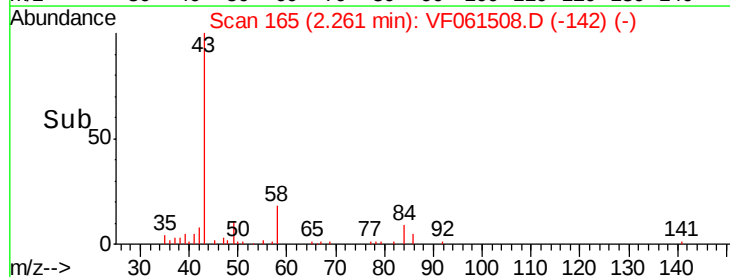
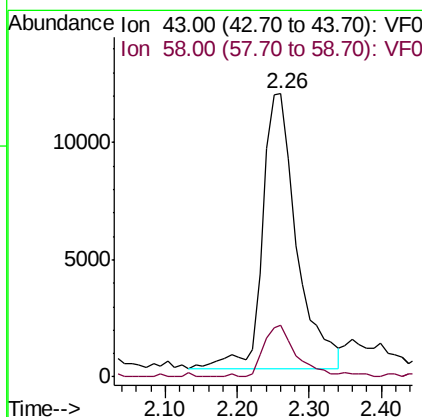
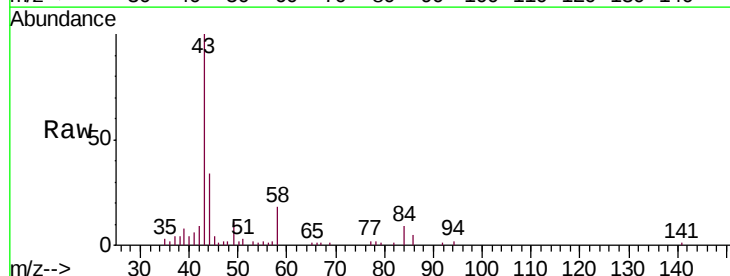
Manual Integrations
APPROVED

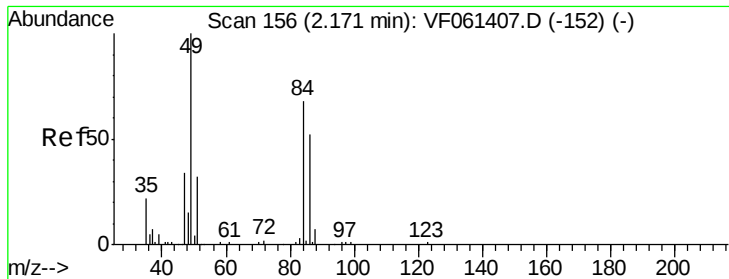
MMDadoda
2/4/2019 3:52:17 PM



#16
Acetone
Concen: 103.548 ug/l
RT: 2.26 min Scan# 165
Delta R.T. 0.03 min
Lab File: VF061508.D
Acq: 24 Jan 2019 19:02

Tgt Ion: 43 Resp: 38652
Ion Ratio Lower Upper
43 100
58 18.1 13.3 19.9





#20

Methylene Chloride

Concen: 4.476 ug/l m

RT: 2.19 min Scan# 158

Delta R.T. 0.02 min

Lab File: VF061508.D

Acq: 24 Jan 2019 19:02

Instrument :

MSVOA_F

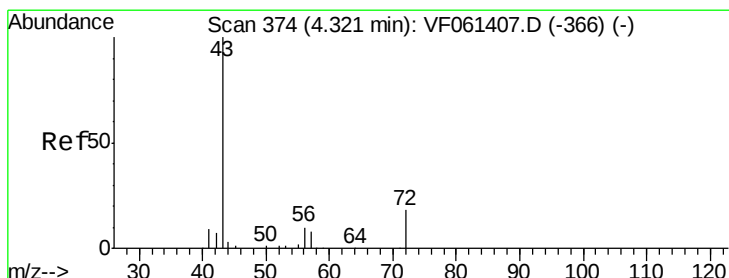
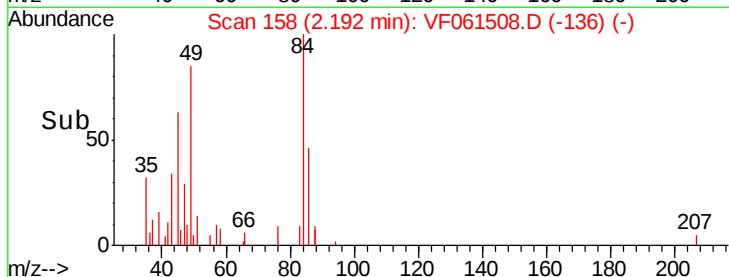
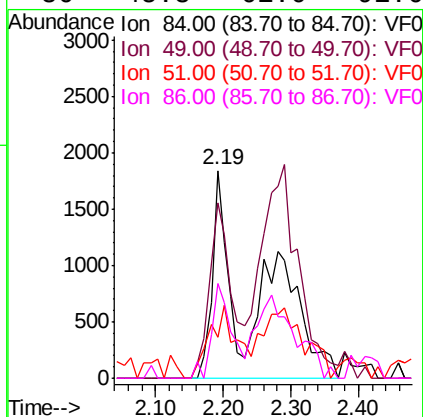
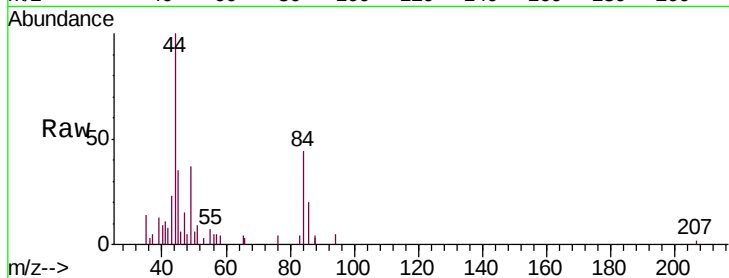
ClientSampleId :

TS-QRE

Tgt Ion:	84	Resp:	7699
Ion	Ratio	Lower	Upper
84	100		
49	84.7	120.0	180.0#
51	19.6	38.6	58.0#
86	45.8	61.0	91.6#

Manual Integrations
APPROVED

MMDadoda
2/4/2019 3:52:17 PM



#25

2-Butanone

Concen: 215.672 ug/l

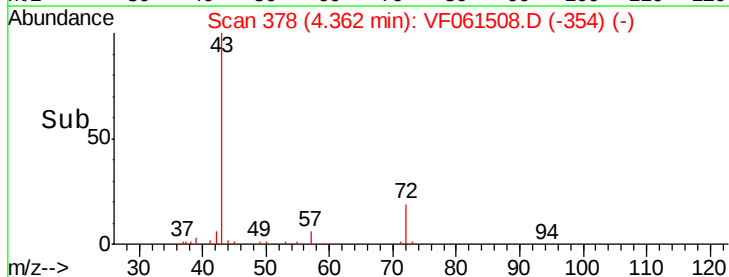
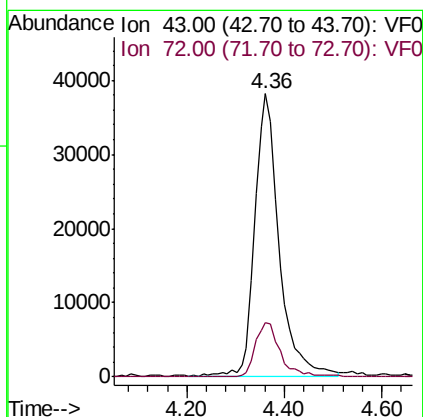
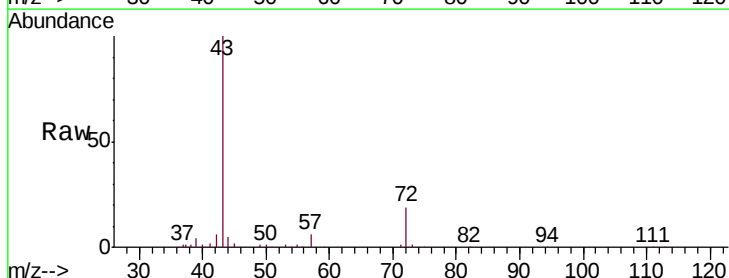
RT: 4.36 min Scan# 378

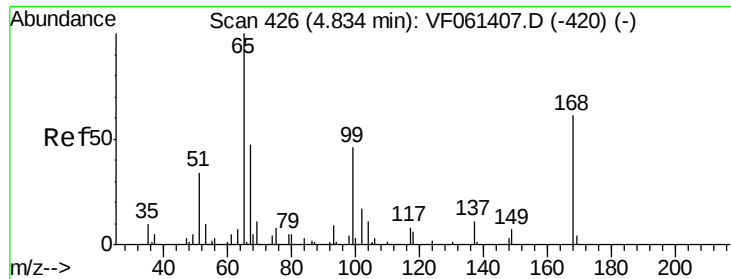
Delta R.T. 0.04 min

Lab File: VF061508.D

Acq: 24 Jan 2019 19:02

Tgt Ion:	43	Resp:	133877
Ion	Ratio	Lower	Upper
43	100		
72	19.0	15.8	23.6





#33

1,2-Dichloroethane-d4

Concen: 51.053 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.04 min

Lab File: VF061508.D

Acq: 24 Jan 2019 19:02

Instrument :

MSVOA_F

ClientSampleId :

TS-QRE

Tgt Ion: 65 Resp: 94994

Ion Ratio Lower Upper

65 100

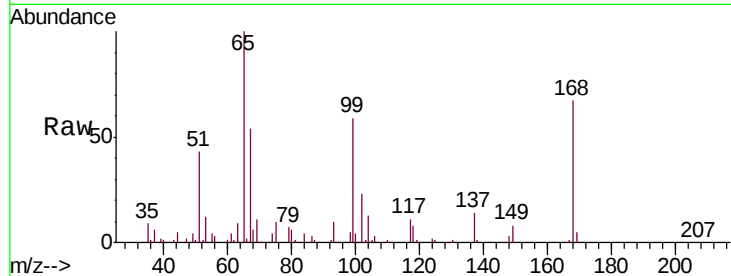
67 54.2 0.0 99.8

Manual Integrations

APPROVED

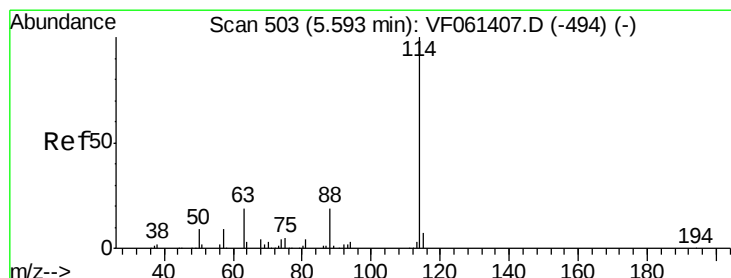
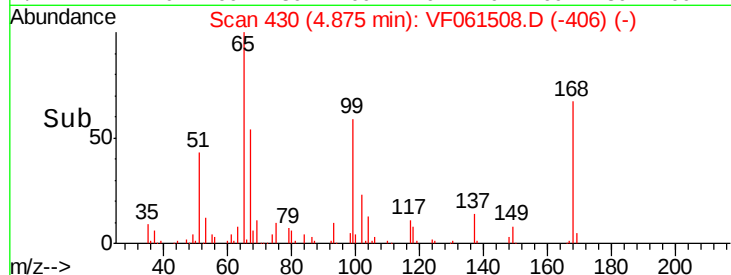
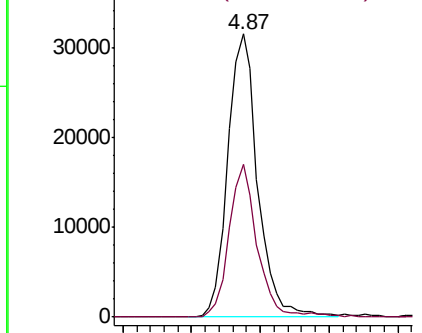
MMDadoda

2/4/2019 3:52:17 PM



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 506

Delta R.T. 0.03 min

Lab File: VF061508.D

Acq: 24 Jan 2019 19:02

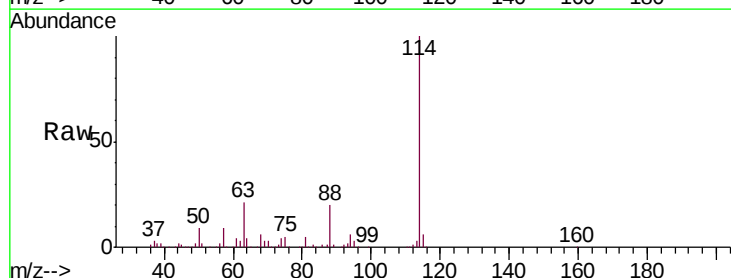
Tgt Ion: 114 Resp: 268421

Ion Ratio Lower Upper

114 100

63 21.1 0.0 39.0

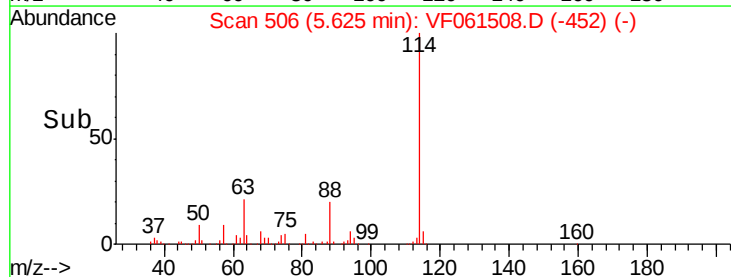
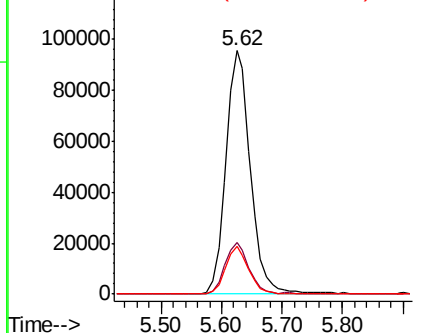
88 19.7 0.0 37.4

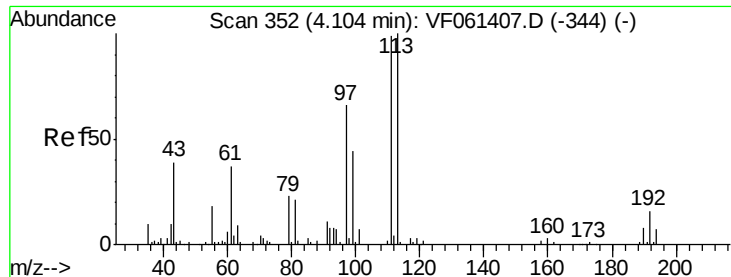


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





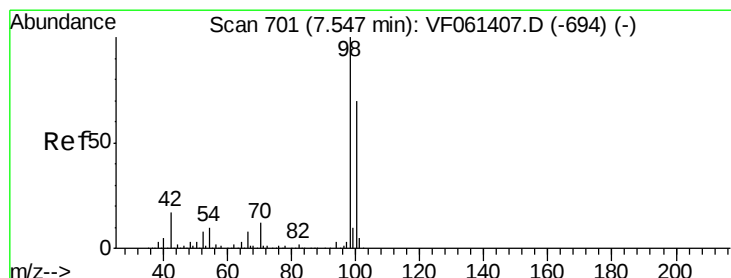
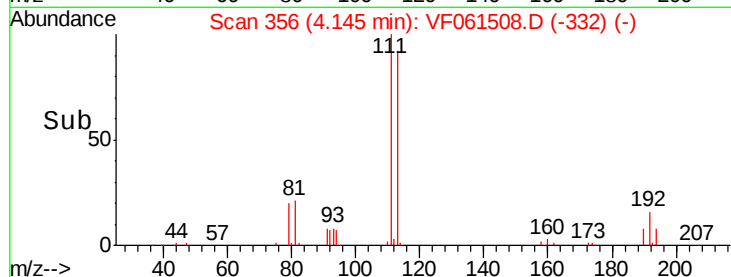
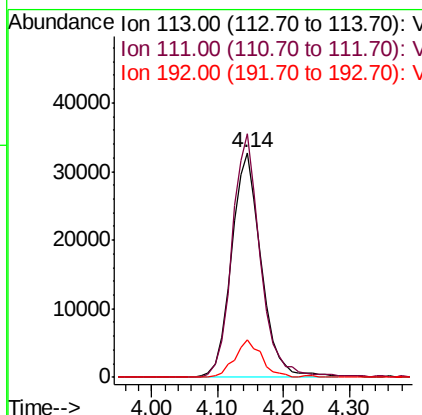
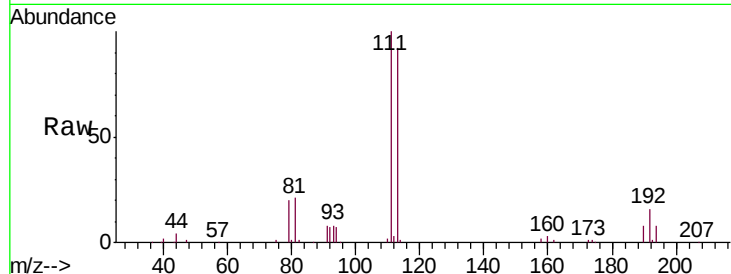
#35
 Dibromofluoromethane
 Concen: 48.812 ug/l
 RT: 4.14 min Scan# 356
 Delta R.T. 0.04 min
 Lab File: VF061508.D
 Acq: 24 Jan 2019 19:02

Instrument :
 MSVOA_F
 ClientSampleId :
 TS-QRE

Tgt Ion	Ratio	Lower	Upper
113	100		
111	108.5	79.4	119.0
192	17.6	12.4	18.6

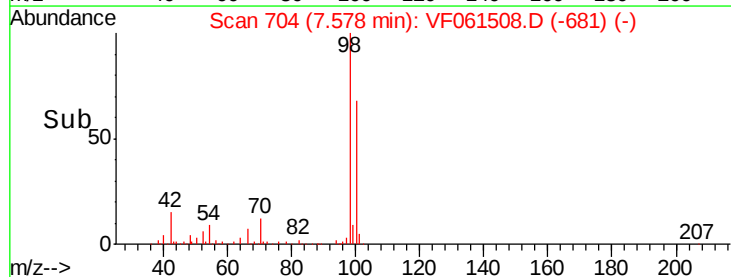
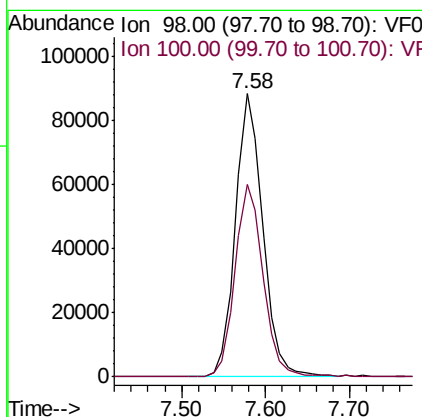
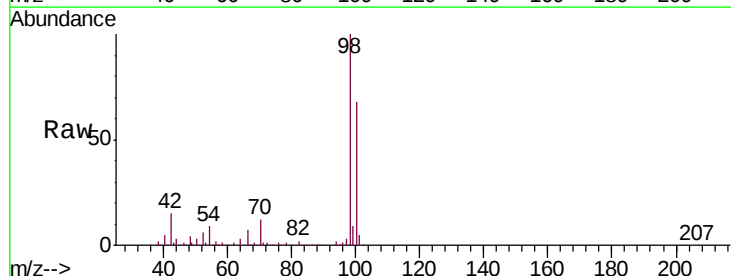
Manual Integrations
 APPROVED

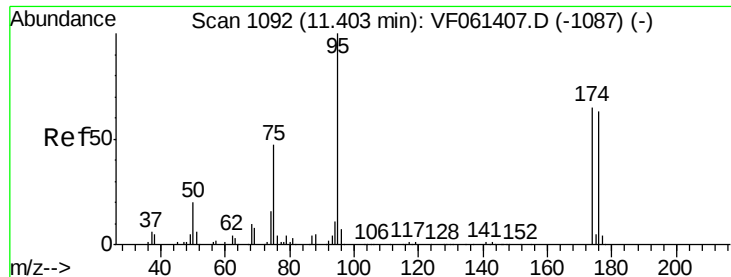
MMDadoda
 2/4/2019 3:52:17 PM



#50
 Toluene-d8
 Concen: 34.553 ug/l
 RT: 7.58 min Scan# 704
 Delta R.T. 0.03 min
 Lab File: VF061508.D
 Acq: 24 Jan 2019 19:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.0	55.6	83.4





#62

4-Bromofluorobenzene

Concen: 18.784 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.02 min

Lab File: VF061508.D

Acq: 24 Jan 2019 19:02

Instrument :

MSVOA_F

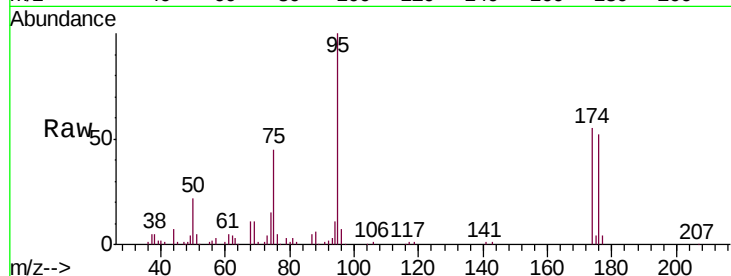
ClientSampleId :

TS-QRE

Tgt Ion:	95	Resp:	50930
Ion Ratio	Lower	Upper	
95	100		
174	54.7	0.0	130.4
176	52.4	0.0	126.2

Manual Integrations
APPROVED

MMDadoda
2/4/2019 3:52:17 PM

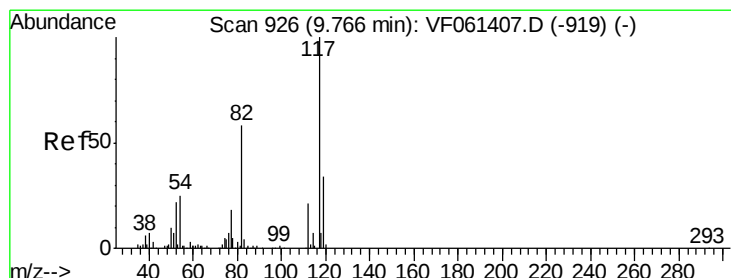
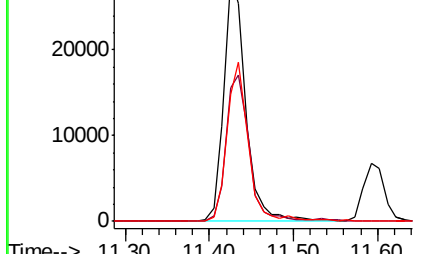
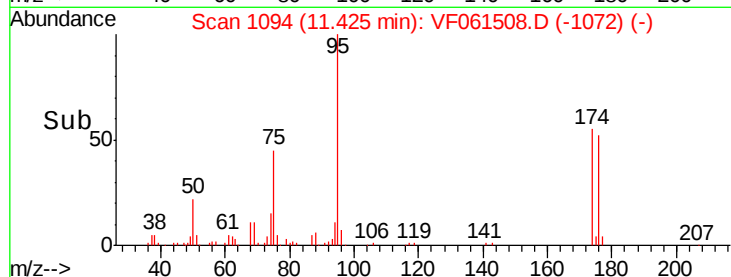


Abundance Ion 95.00 (94.70 to 95.70): VF061508.D (-1072) (-)

Ion 174.00 (173.70 to 174.70): VF061508.D (-1072) (-)

Ion 176.00 (175.70 to 176.70): VF061508.D (-1072) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

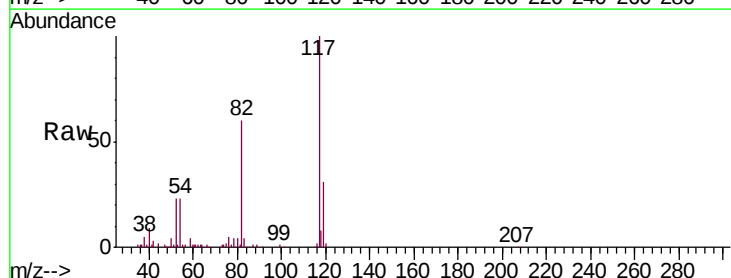
RT: 9.80 min Scan# 929

Delta R.T. 0.03 min

Lab File: VF061508.D

Acq: 24 Jan 2019 19:02

Tgt Ion:	117	Resp:	154520
Ion Ratio	Lower	Upper	
117	100		
82	59.9	46.4	69.6
119	30.6	27.2	40.8

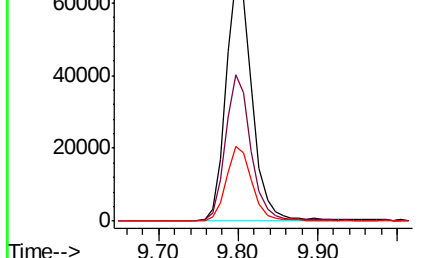
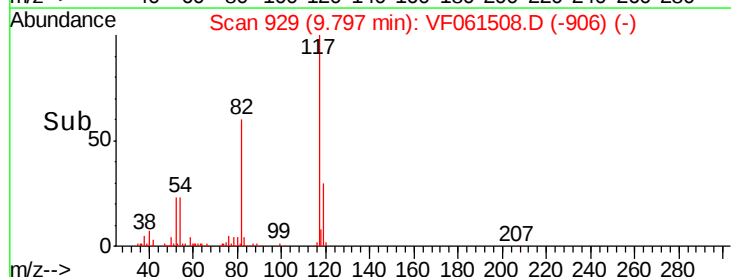


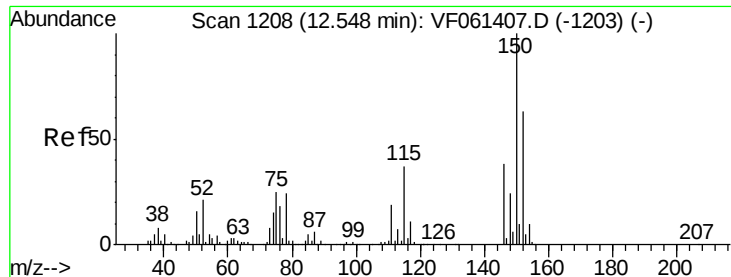
Abundance Ion 117.00 (116.70 to 117.70): VF061508.D (-906) (-)

Ion 82.00 (81.70 to 82.70): VF061508.D (-906) (-)

Ion 119.00 (118.70 to 119.70): VF061508.D (-906) (-)

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.57 min Scan# 1210

Delta R.T. 0.02 min

Lab File: VF061508.D

Acq: 24 Jan 2019 19:02

Instrument :

MSVOA_F

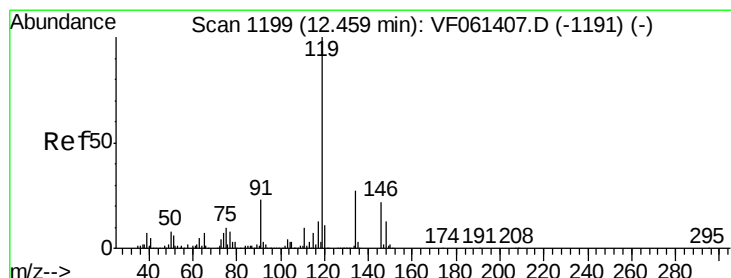
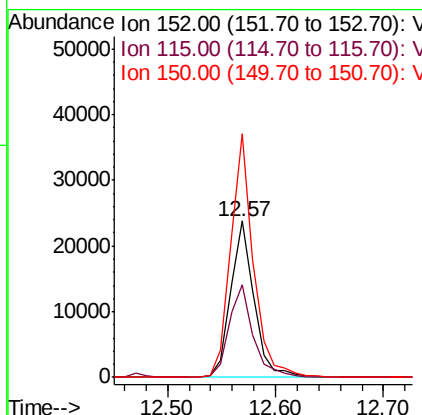
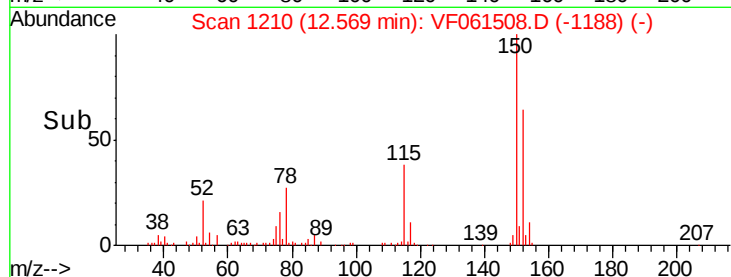
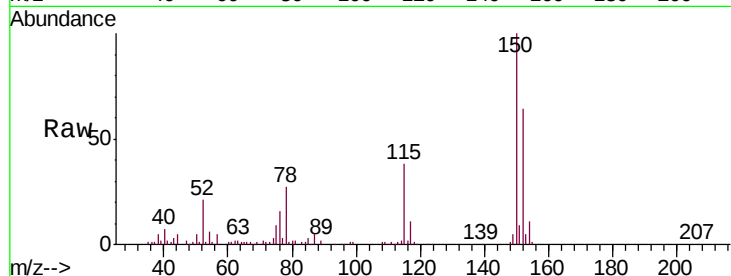
ClientSampleId :

TS-QRE

Tgt Ion:	152	Resp:	36006
Ion Ratio	Lower	Upper	
152	100		
115	59.0	30.0	90.0
150	155.9	0.0	321.4

Manual Integrations
APPROVED

MMDadoda
2/4/2019 3:52:17 PM



#86

p-Isopropyltoluene

Concen: 4.577 ug/l

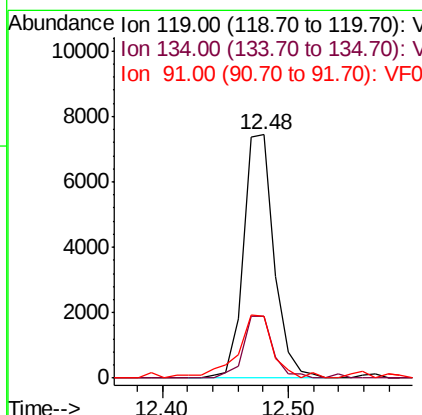
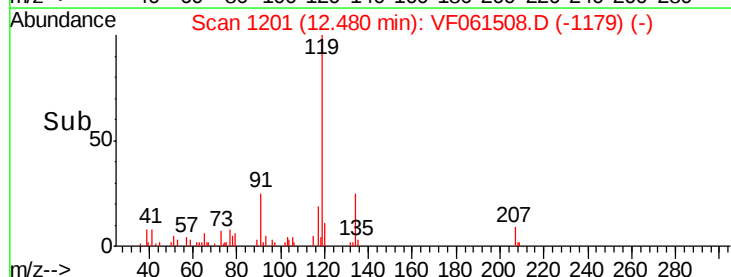
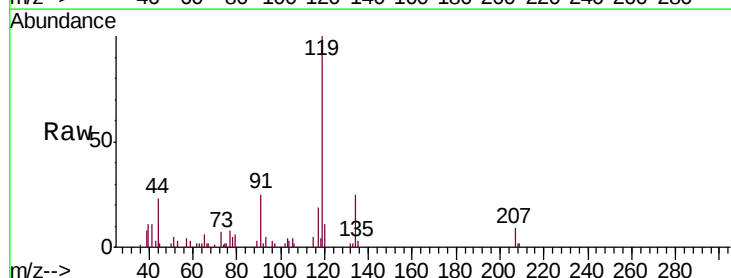
RT: 12.48 min Scan# 1201

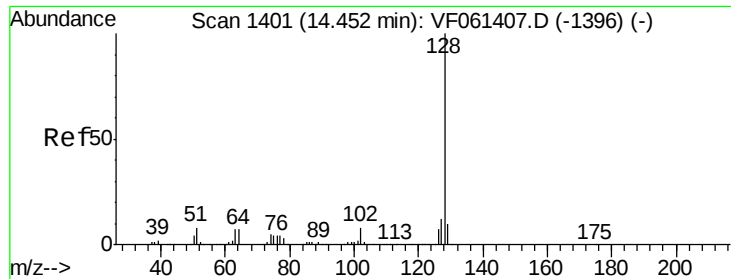
Delta R.T. 0.02 min

Lab File: VF061508.D

Acq: 24 Jan 2019 19:02

Tgt Ion:	119	Resp:	12481
Ion Ratio	Lower	Upper	
119	100		
134	25.2	13.4	40.2
91	25.4	11.4	34.2





#95
Naphthalene
Concen: 2.378 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. 0.02 min
Lab File: VF061508.D
Acq: 24 Jan 2019 19:02

Instrument :
MSVOA_F
ClientSampleId :
TS-QRE

Tgt Ion	Ratio	Lower	Upper
128	100		
127	6.1	9.5	14.3#
129	10.6	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
2/4/2019 3:52:17 PM

