

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032319\
 Data File : VF062119.D
 Acq On : 23 Mar 2019 16:08
 Operator : VA/AP
 Sample : K2045-05
 Misc : 6.60g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Mar 25 01:29:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 01:16:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	226590	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.60	114	371690	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.78	117	319818	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	152655	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	88355	52.42	ug/l	-0.03
Spiked Amount			Recovery	=	104.84%	
35) Dibromofluoromethane	4.12	113	125448	49.89	ug/l	-0.03
Spiked Amount			Recovery	=	99.78%	
50) Toluene-d8	7.56	98	304636	40.59	ug/l	-0.03
Spiked Amount			Recovery	=	81.18%	
62) 4-Bromofluorobenzene	11.41	95	127869	44.13	ug/l	-0.03
Spiked Amount			Recovery	=	88.26%	

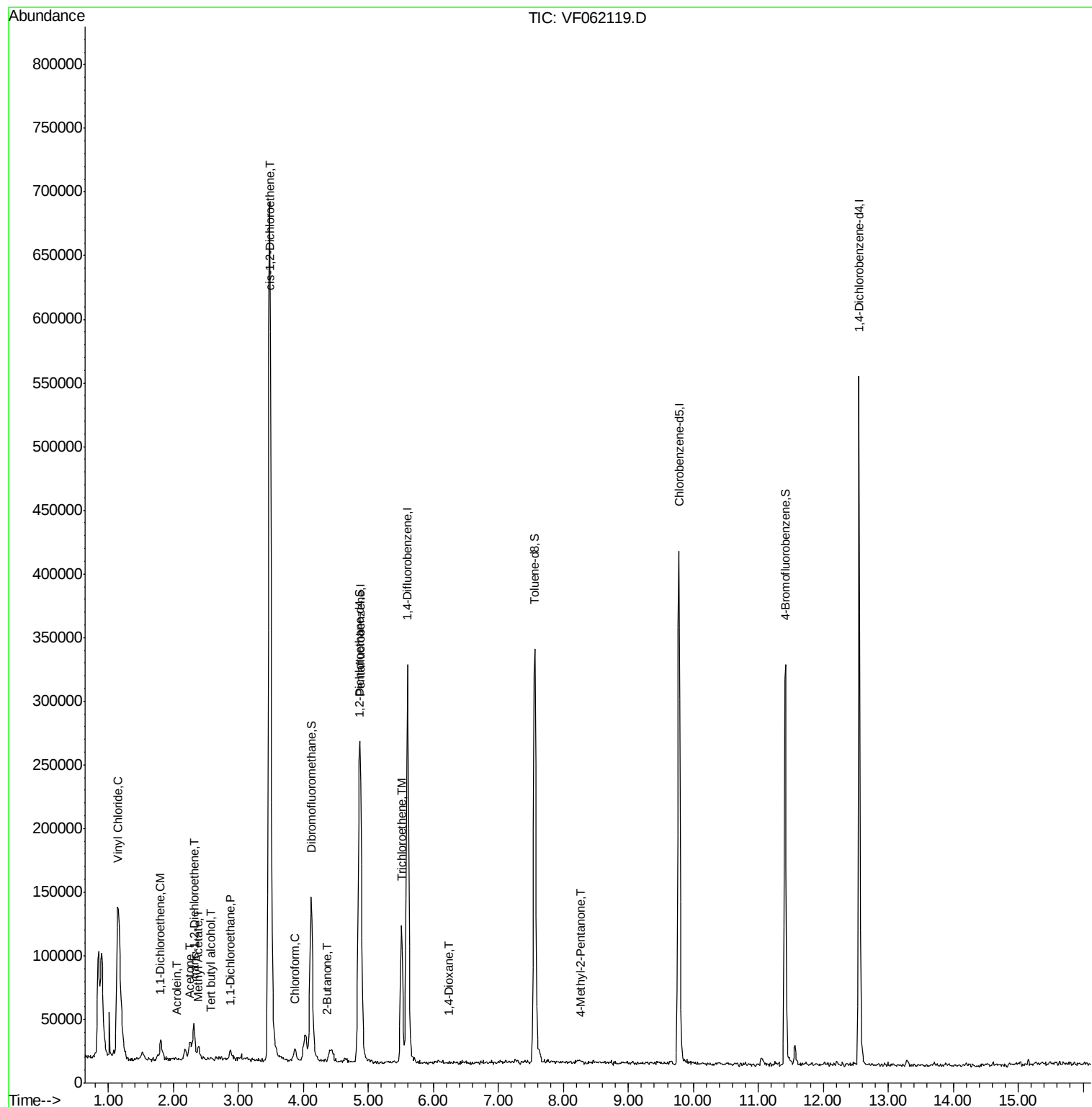
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.14	62	299547	106.620	ug/l	97
11) Tert butyl alcohol	2.56	59	243	2.620	ug/l #	66
12) 1,1-Dichloroethene	1.80	96	9726	4.453	ug/l	96
13) Acrolein	2.06	56	450	4.035	ug/l	89
16) Acetone	2.24	43	13908	39.209	ug/l	96
18) Methyl Acetate	2.38	43	4655	5.501	ug/l #	56
20) Methylene Chloride	2.18	84	5216	Below Cal	#	81
21) trans-1,2-Dichloroethene	2.32	96	11621	5.530	ug/l #	80
24) 1,1-Dichloroethane	2.88	63	8195	2.235	ug/l #	94
25) 2-Butanone	4.36	43	1820	2.458	ug/l #	50
27) cis-1,2-Dichloroethene	3.48	96	462134	165.951	ug/l	97
30) Chloroform	3.86	83	12121	3.128	ug/l	91
44) Trichloroethene	5.51	130	58418	20.132	ug/l	97
49) 1,4-Dioxane	6.24	88	104	11.109	ug/l #	25
51) 4-Methyl-2-Pentanone	8.27	43	1716	1.368	ug/l #	76

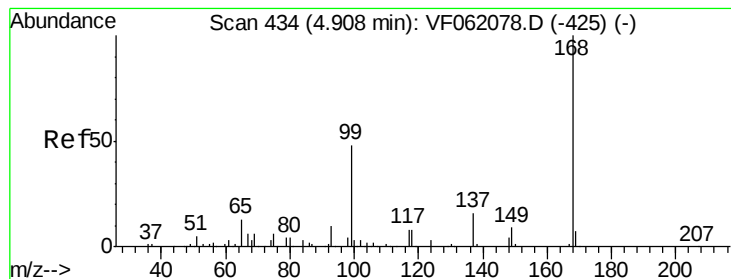
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Mar 23 01:16:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.03 min

Lab File: VF062119.D

Acq: 23 Mar 2019 16:08

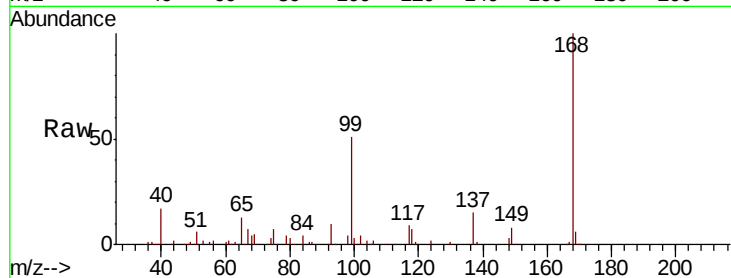
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 226590

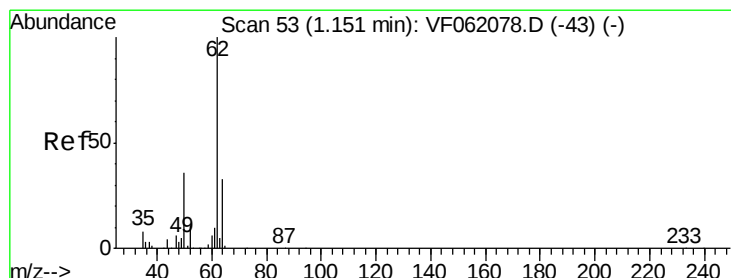
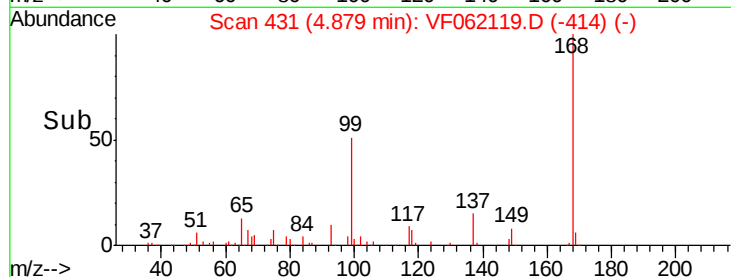
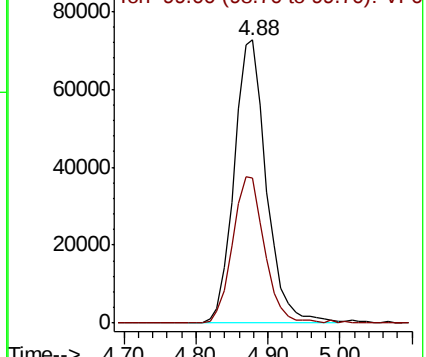
Ion Ratio Lower Upper

168 100

99 51.5 38.2 57.4



Abundance Ion 168.00 (167.70 to 168.70): VF0



#4

Vinyl Chloride

Concen: 106.620 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF062119.D

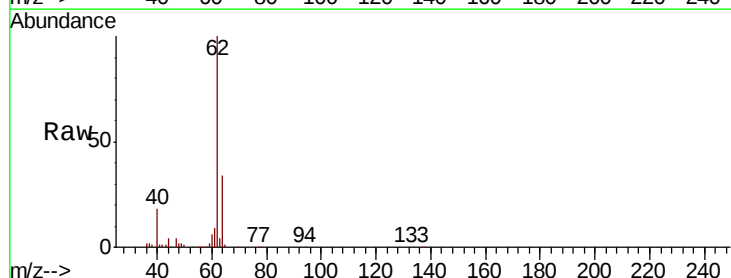
Acq: 23 Mar 2019 16:08

Tgt Ion: 62 Resp: 299547

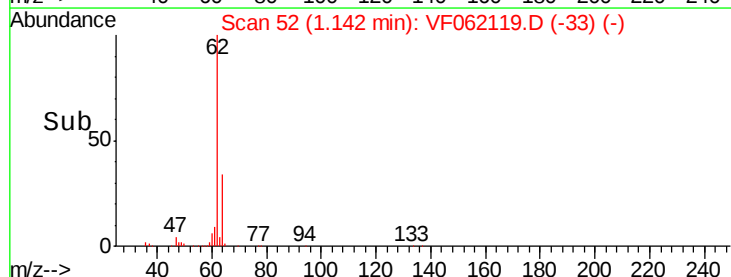
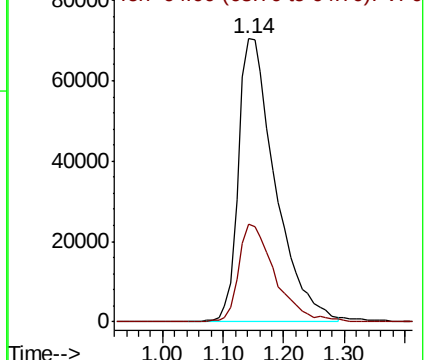
Ion Ratio Lower Upper

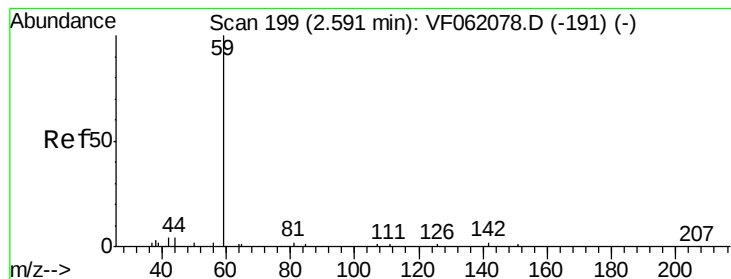
62 100

64 34.4 26.2 39.2



Abundance Ion 62.00 (61.70 to 62.70): VF0



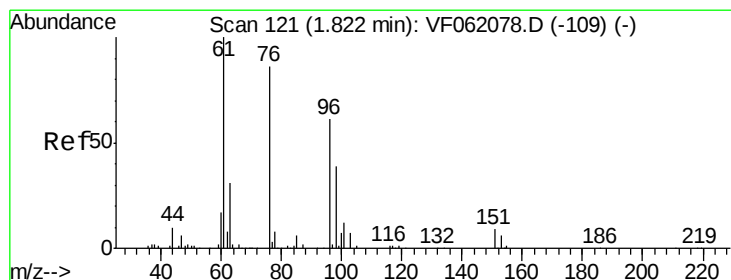
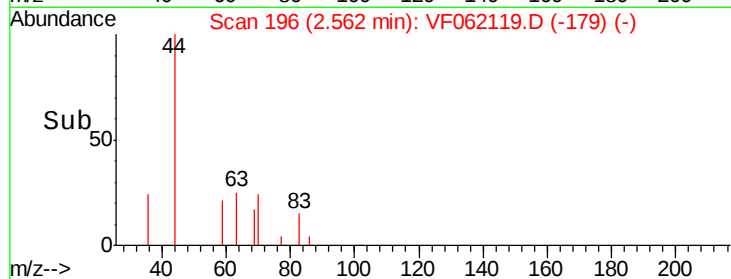
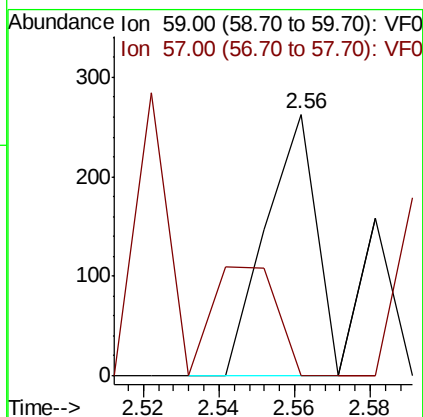
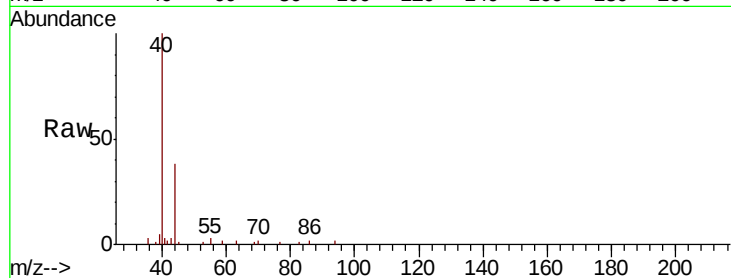


#11

Tert butyl alcohol
 Concen: 2.620 ug/l
 RT: 2.56 min Scan# 196
 Delta R.T. -0.03 min
 Lab File: VF062119.D
 Acq: 23 Mar 2019 16:08

Instrument :
 MSVOA_F
 ClientSampled :

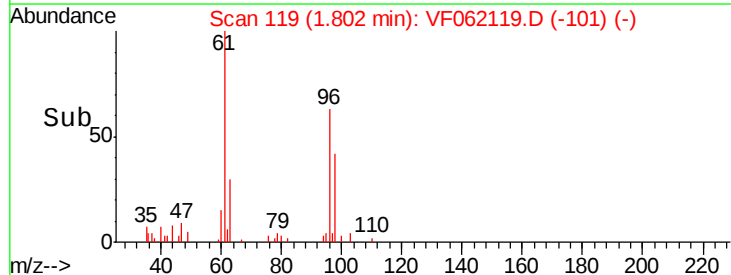
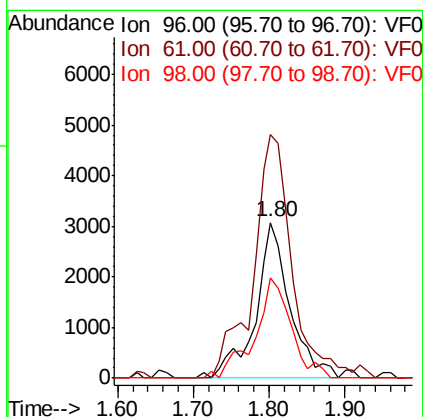
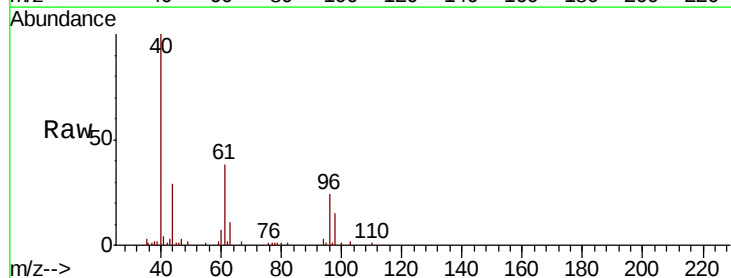
Tot Ion: 59 Resp: 243
 Ion Ratio Lower Upper
 59 100
 57 0.0 11.0 16.4#

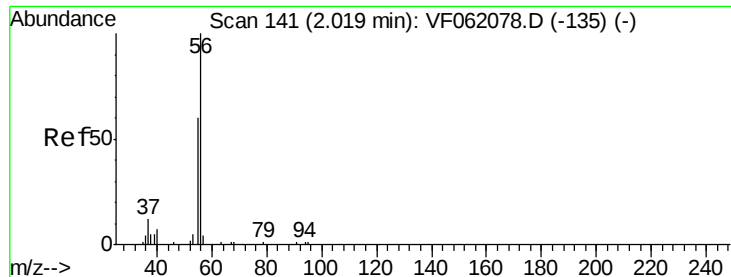


#12

1,1-Dichloroethene
 Concen: 4.453 ug/l
 RT: 1.80 min Scan# 119
 Delta R.T. -0.02 min
 Lab File: VF062119.D
 Acq: 23 Mar 2019 16:08

Tgt Ion: 96 Resp: 9726
 Ion Ratio Lower Upper
 96 100
 61 156.6 131.0 196.6
 98 64.3 51.5 77.3





#13

Acrolein

Concen: 4.035 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.04 min

Lab File: VF062119.D

Acq: 23 Mar 2019 16:08

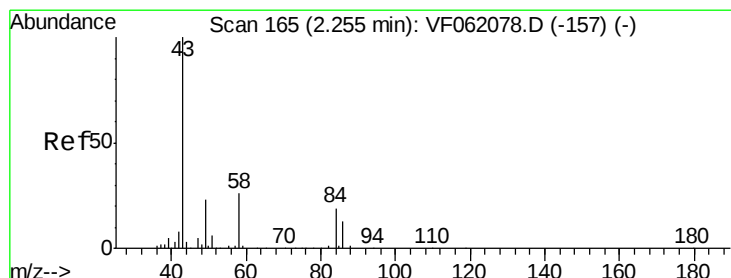
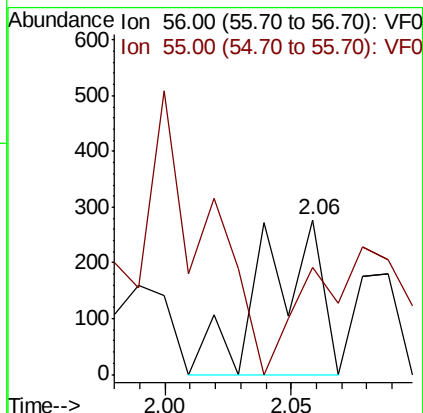
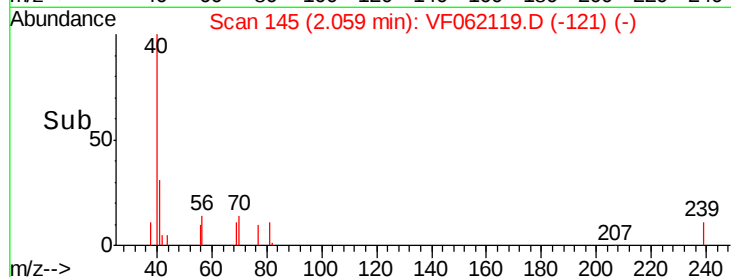
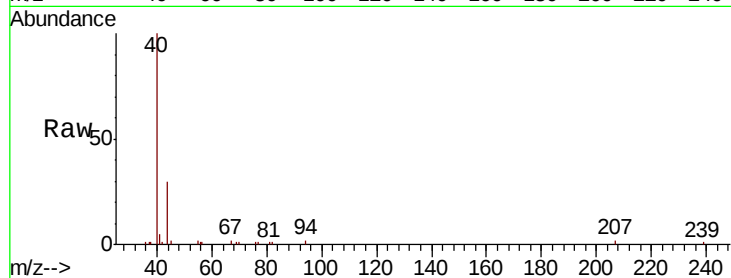
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 450

Ion Ratio Lower Upper

56 100

55 69.4 49.0 73.4



#16

Acetone

Concen: 39.209 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF062119.D

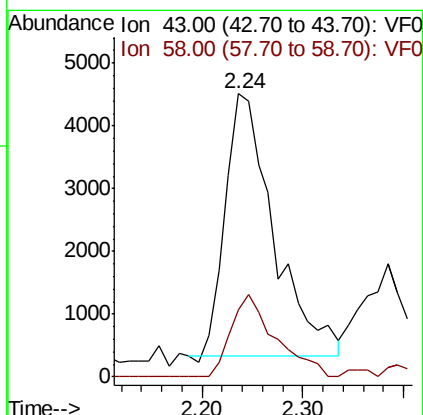
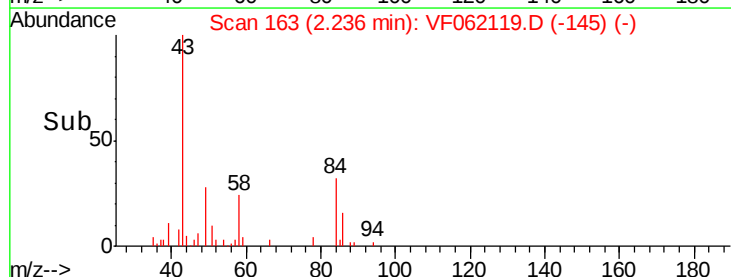
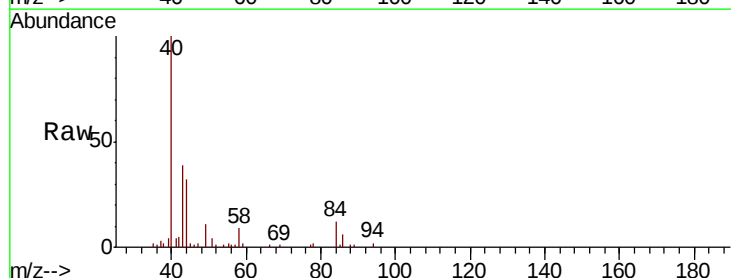
Acq: 23 Mar 2019 16:08

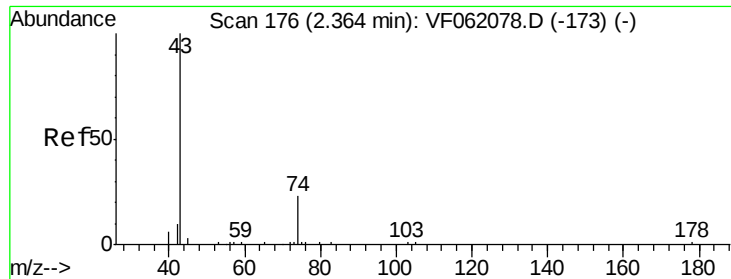
Tgt Ion: 43 Resp: 13908

Ion Ratio Lower Upper

43 100

58 23.7 20.8 31.2

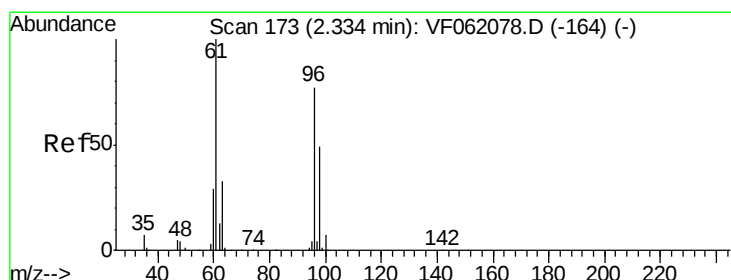
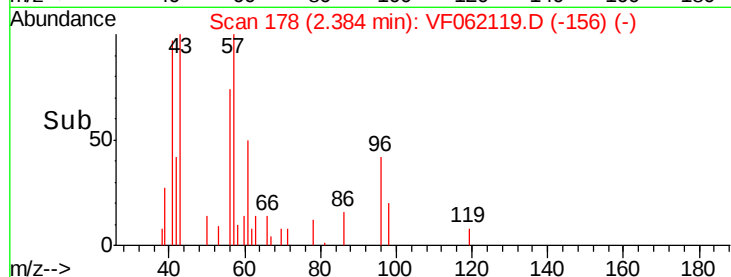
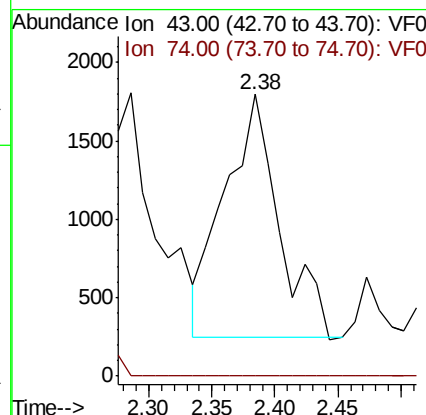
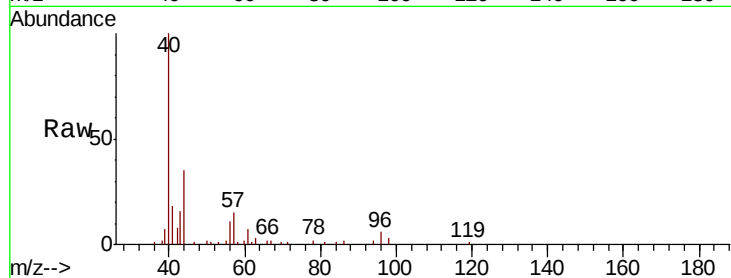




#18
Methvl Acetate
Concen: 5.501 ug/l
RT: 2.38 min Scan# 178
Delta R.T. 0.02 min
Lab File: VF062119.D
Acq: 23 Mar 2019 16:08

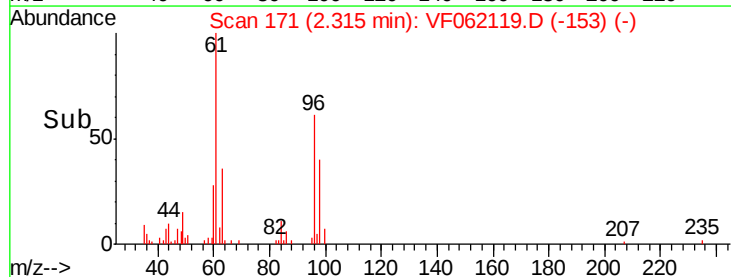
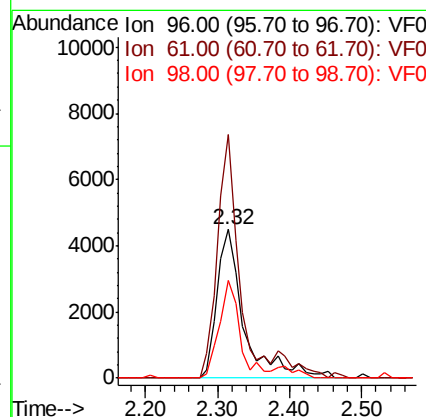
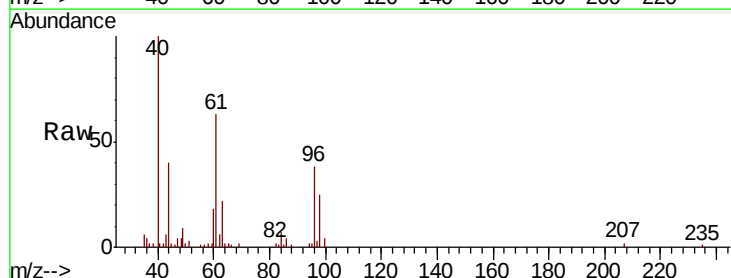
Instrument :
MSVOA_F
ClientSampled :

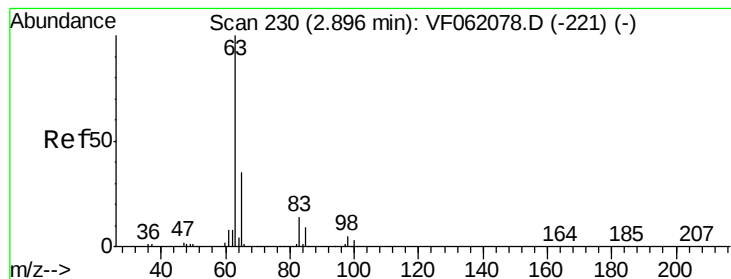
Tot Ion: 43 Resp: 4655
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



#21
trans-1,2-Dichloroethene
Concen: 5.530 ug/l
RT: 2.32 min Scan# 171
Delta R.T. -0.02 min
Lab File: VF062119.D
Acq: 23 Mar 2019 16:08

Tgt Ion: 96 Resp: 11621
Ion Ratio Lower Upper
96 100
61 163.9 104.5 156.7#
98 65.8 51.2 76.8





#24

1,1-Dichloroethane

Concen: 2.235 ug/l

RT: 2.88 min Scan# 228

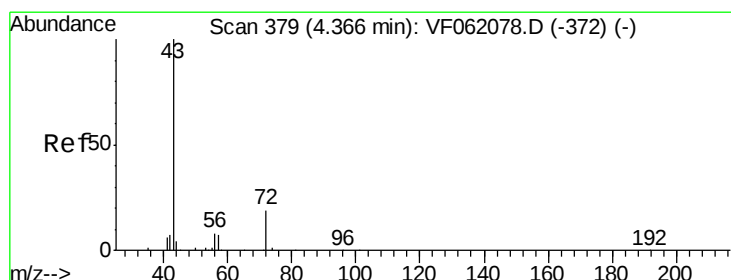
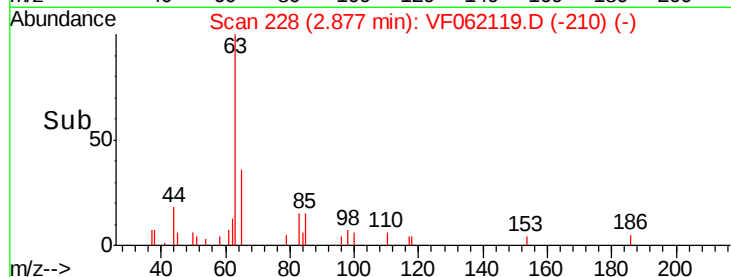
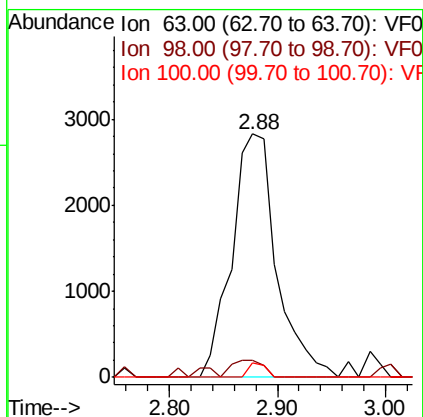
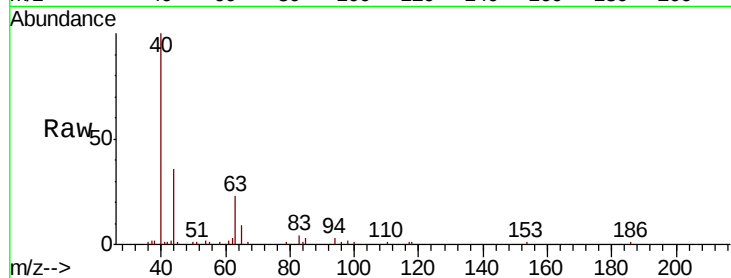
Delta R.T. -0.02 min

Lab File: VF062119.D

Acq: 23 Mar 2019 16:08

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	63	Resp:	8195
Ion	Ratio	Lower	Upper
63	100		
98	6.9	2.7	8.1
100	6.0	1.7	5.1#



#25

2-Butanone

Concen: 2.458 ug/l

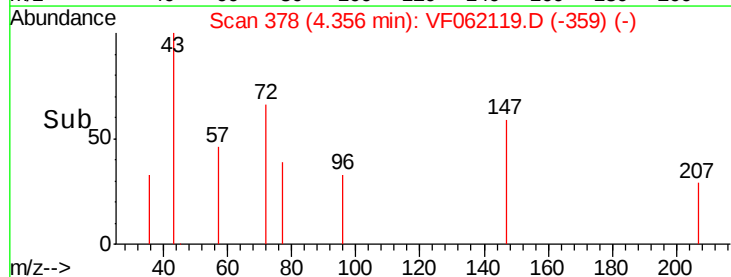
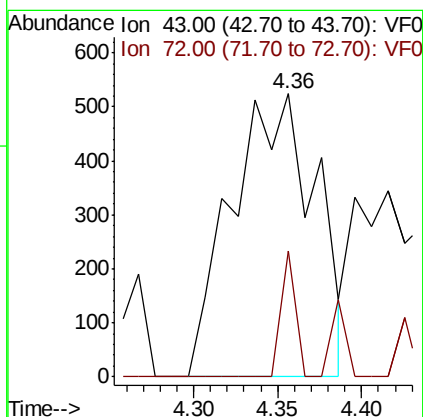
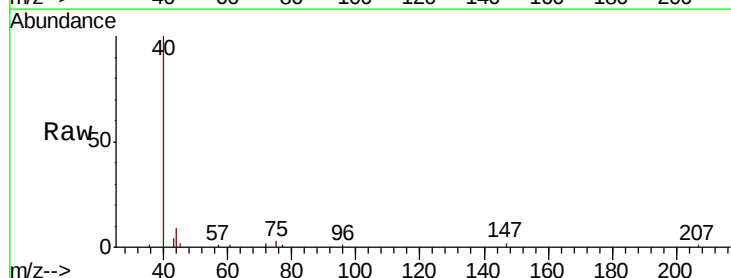
RT: 4.36 min Scan# 378

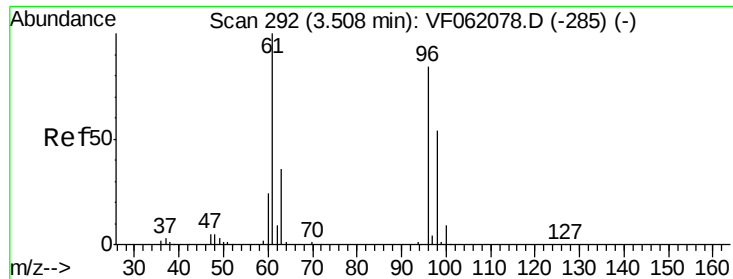
Delta R.T. -0.01 min

Lab File: VF062119.D

Acq: 23 Mar 2019 16:08

Tgt Ion:	43	Resp:	1820
Ion	Ratio	Lower	Upper
43	100		
72	44.5	16.7	25.1#



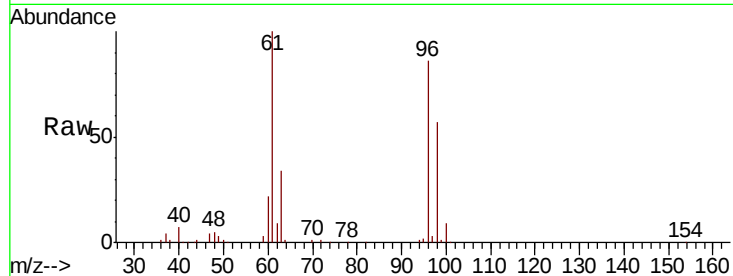


#27

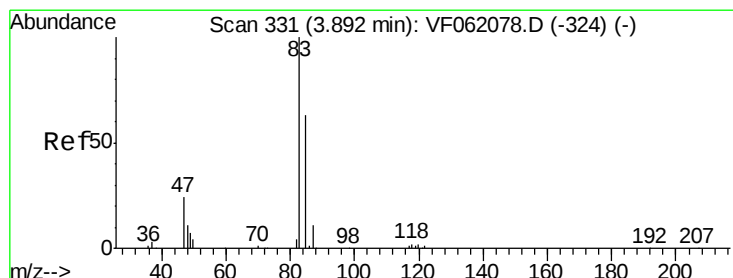
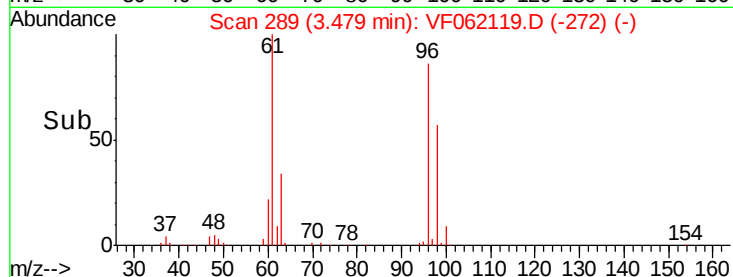
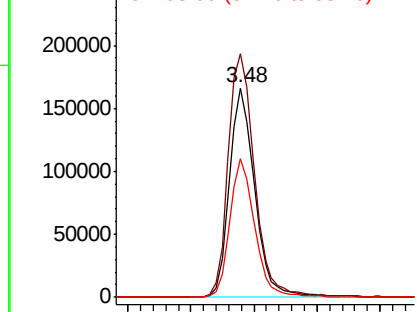
cis-1,2-Dichloroethene
 Concen: 165.951 ug/l
 RT: 3.48 min Scan# 289
 Delta R.T. -0.03 min
 Lab File: VF062119.D
 Acq: 23 Mar 2019 16:08

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion: 96 Resp: 462134
 Ion Ratio Lower Upper
 96 100
 61 116.4 0.0 239.0
 98 66.1 0.0 128.2



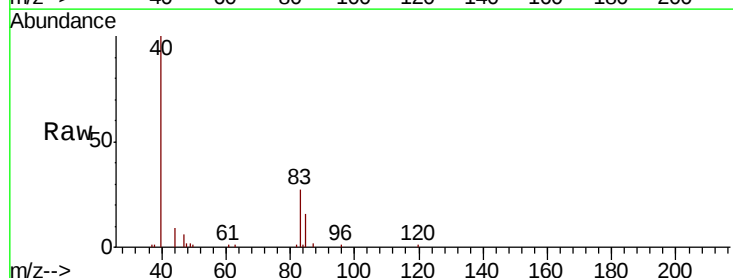
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



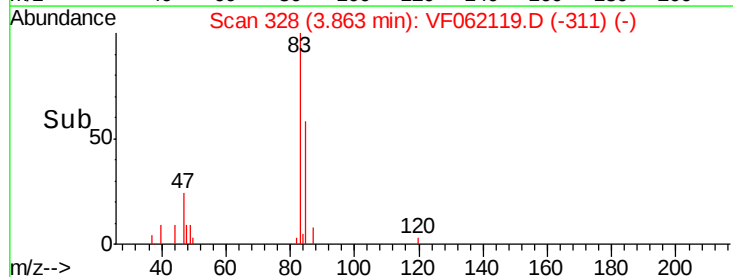
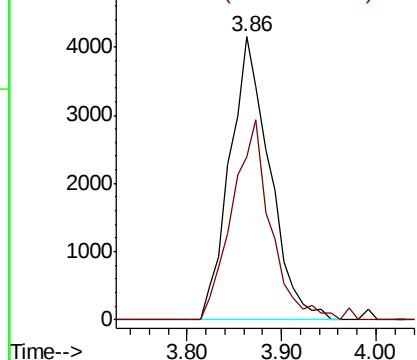
#30

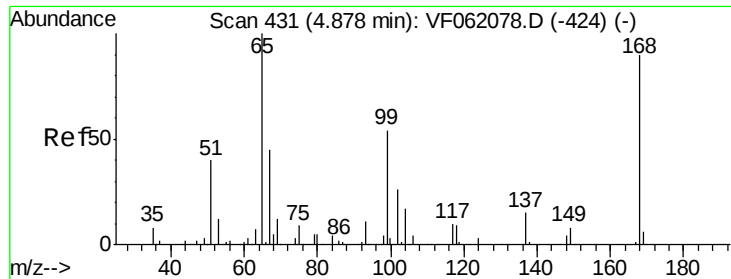
Chloroform
 Concen: 3.128 ug/l
 RT: 3.86 min Scan# 328
 Delta R.T. -0.03 min
 Lab File: VF062119.D
 Acq: 23 Mar 2019 16:08

Tgt Ion: 83 Resp: 12121
 Ion Ratio Lower Upper
 83 100
 85 57.7 51.5 77.3



Abundance Ion 83.00 (82.70 to 83.70): VF0
 Ion 85.00 (84.70 to 85.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 52.424 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF062119.D

Acq: 23 Mar 2019 16:08

Instrument :

MSVOA_F

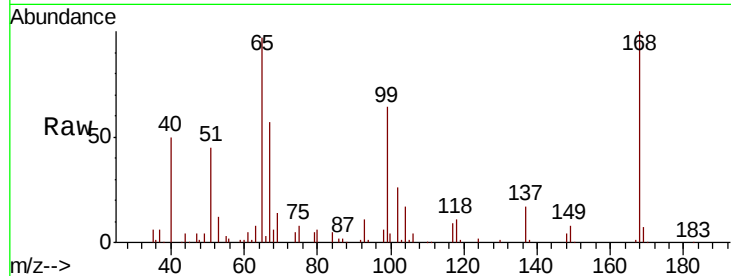
ClientSampleId :

Tot Ion: 65 Resp: 88355

Ion Ratio Lower Upper

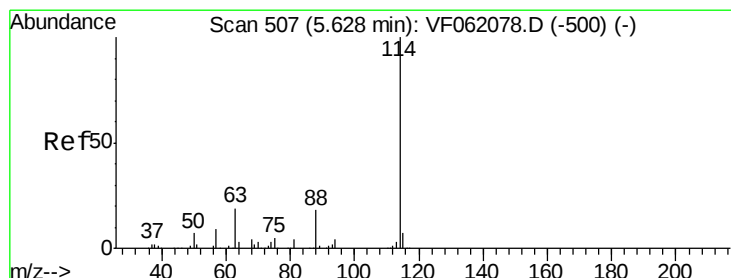
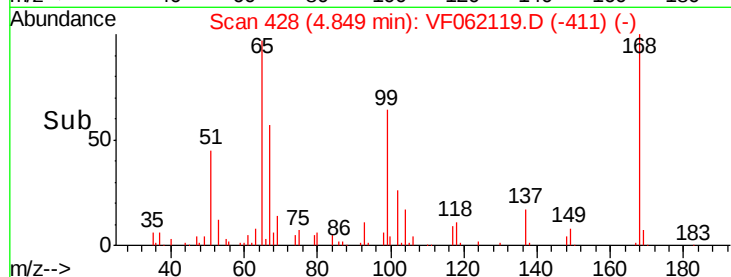
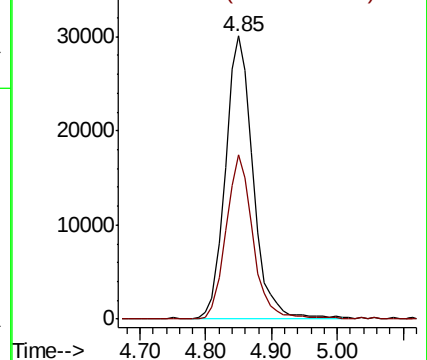
65 100

67 58.0 0.0 106.2



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: 5.60 min Scan# 504

Delta R.T. -0.03 min

Lab File: VF062119.D

Acq: 23 Mar 2019 16:08

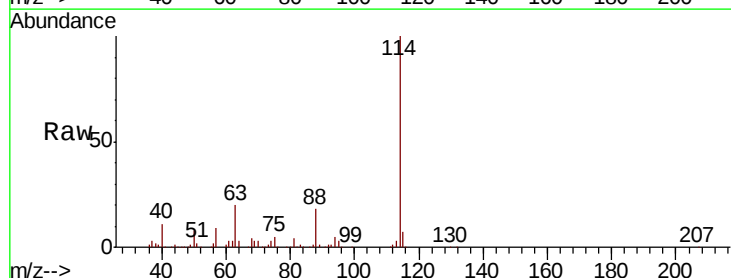
Tgt Ion: 114 Resp: 371690

Ion Ratio Lower Upper

114 100

63 19.6 0.0 37.8

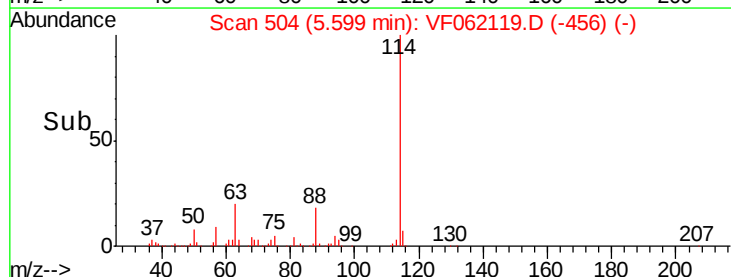
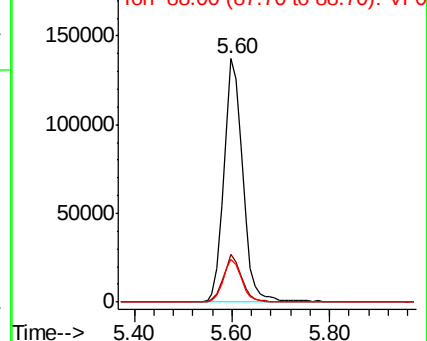
88 17.7 0.0 36.4

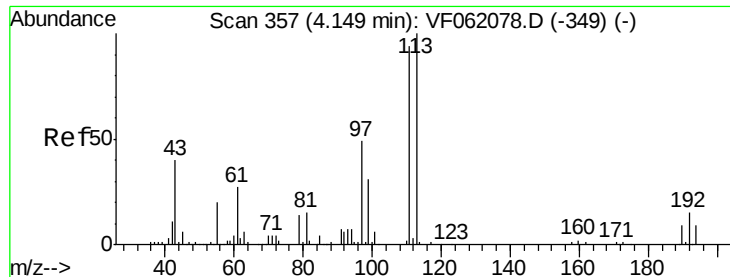


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

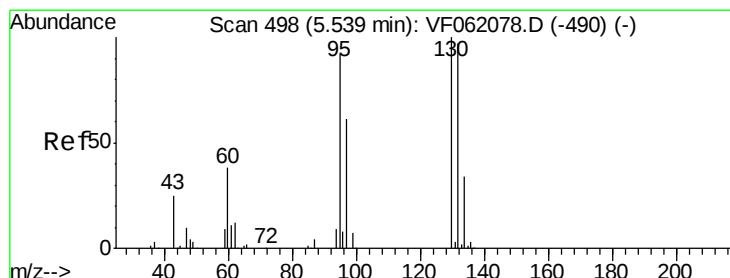
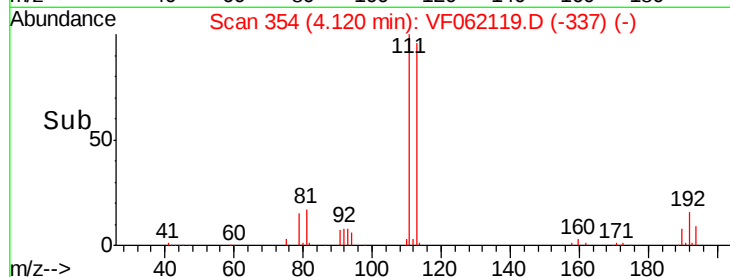
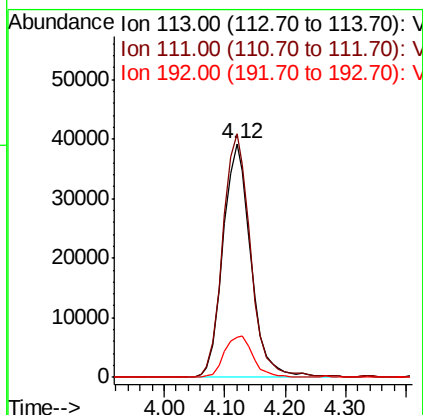
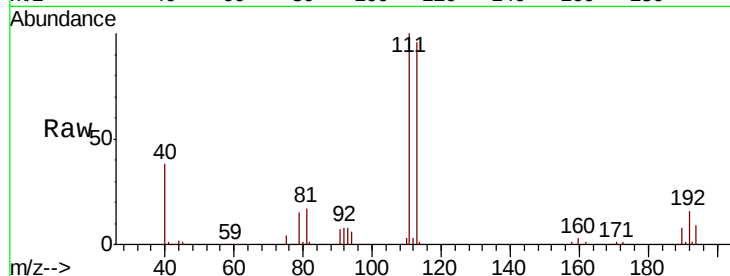




#35
Dibromofluoromethane
Concen: 49.893 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.03 min
Lab File: VF062119.D
Acq: 23 Mar 2019 16:08

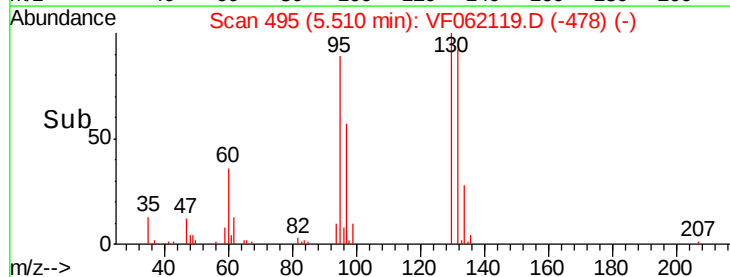
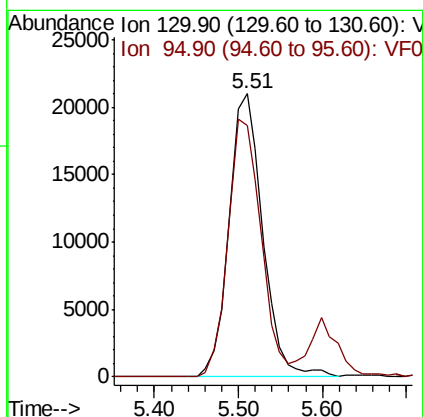
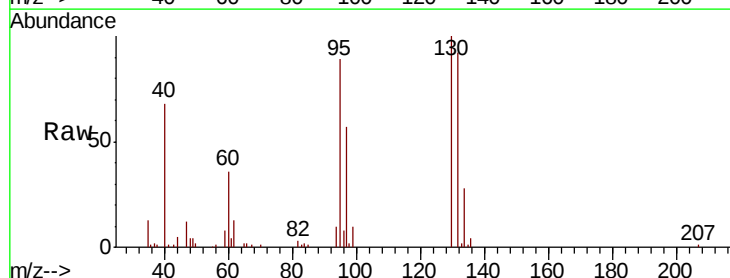
Instrument :
MSVOA_F
ClientSampleId :

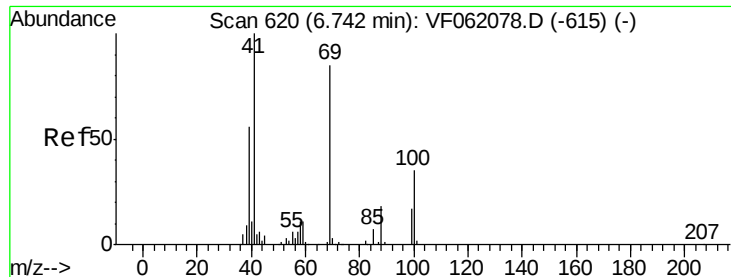
Tot Ion:113 Resp: 125448
Ion Ratio Lower Upper
113 100
111 104.3 75.4 113.0
192 17.7 12.3 18.5



#44
Trichloroethene
Concen: 20.132 ug/l
RT: 5.51 min Scan# 495
Delta R.T. -0.03 min
Lab File: VF062119.D
Acq: 23 Mar 2019 16:08

Tgt Ion:130 Resp: 58418
Ion Ratio Lower Upper
130 100
95 89.0 0.0 183.4





#49

1,4-Dioxane

Concen: 11.109 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.50 min

Lab File: VF062119.D

Acq: 23 Mar 2019 16:08

Instrument :
MSVOA_F
ClientSampleId :

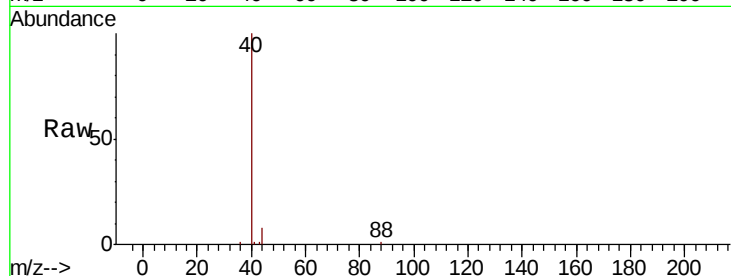
Tot Ion: 88 Resp: 104

Ion Ratio Lower Upper

88 100

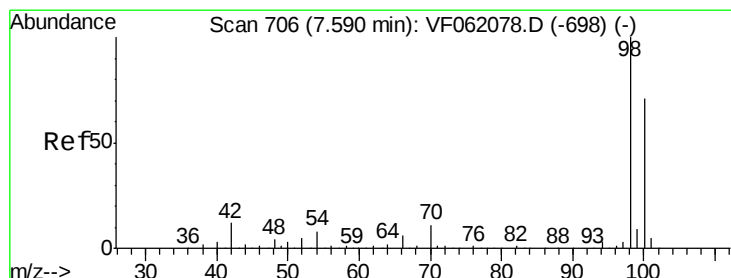
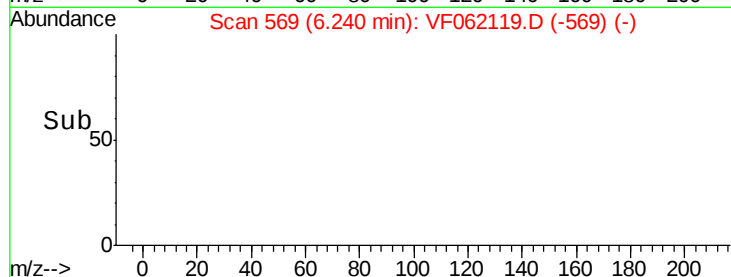
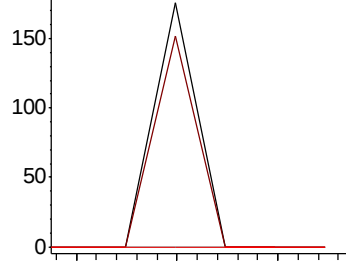
43 86.4 35.0 52.4#

58 0.0 49.9 74.9#



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

6.24



#50

Toluene-d8

Concen: 40.589 ug/l

RT: 7.56 min Scan# 703

Delta R.T. -0.03 min

Lab File: VF062119.D

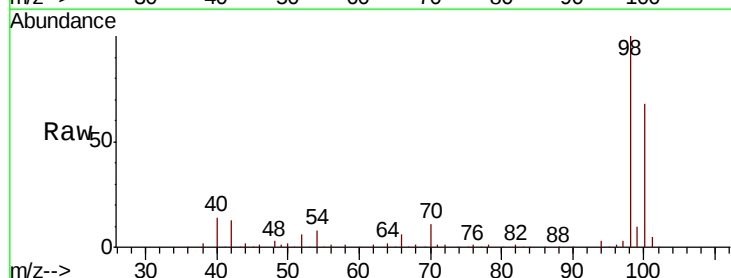
Acq: 23 Mar 2019 16:08

Tgt Ion: 98 Resp: 304636

Ion Ratio Lower Upper

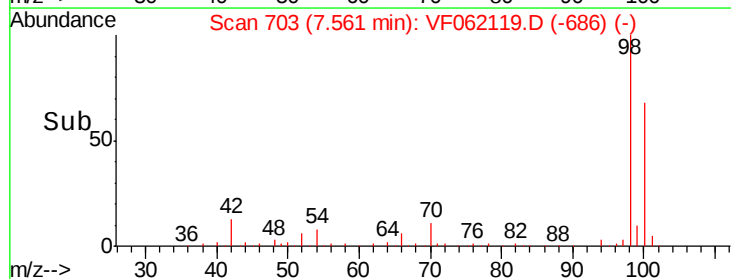
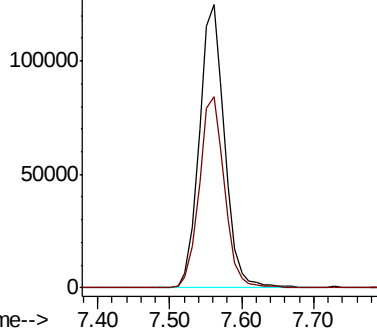
98 100

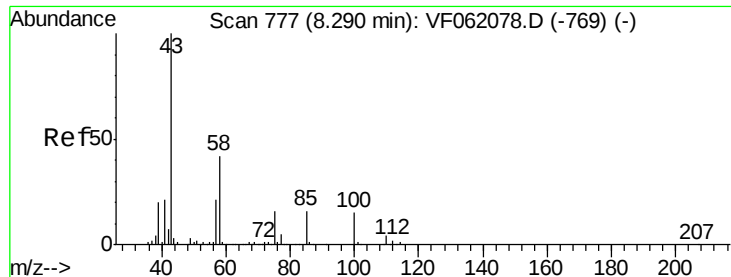
100 67.8 57.0 85.6



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0

7.56





#51

4-Methyl-2-Pentanone

Concen: 1.368 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.02 min

Lab File: VF062119.D

Acq: 23 Mar 2019 16:08

Instrument :

MSVOA_F

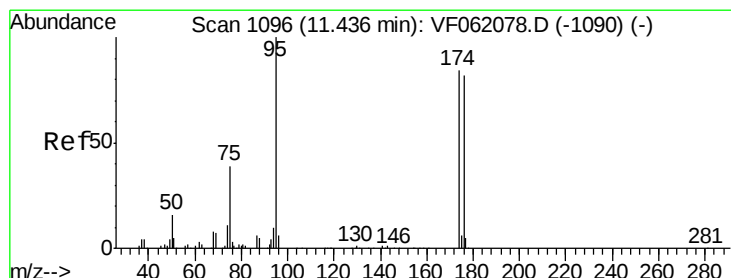
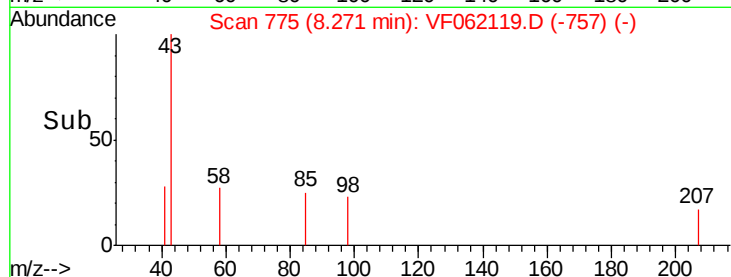
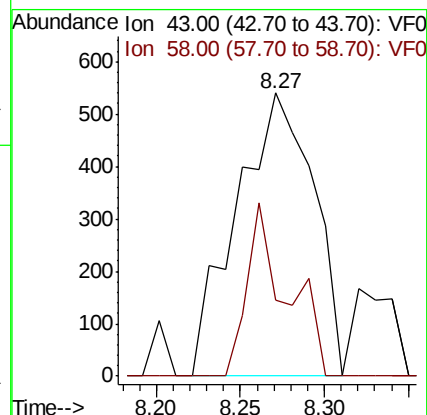
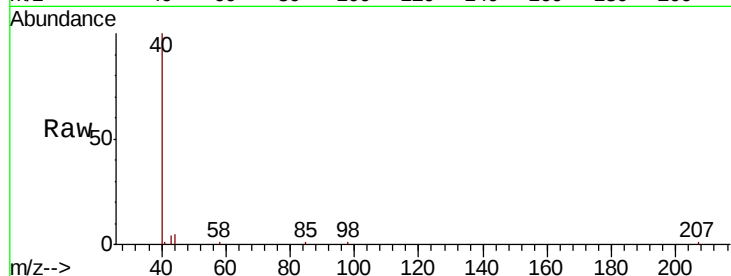
ClientSampleId :

Tot Ion: 43 Resp: 1716

Ion Ratio Lower Upper

43 100

58 27.0 33.8 50.8#



#62

4-Bromofluorobenzene

Concen: 44.131 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF062119.D

Acq: 23 Mar 2019 16:08

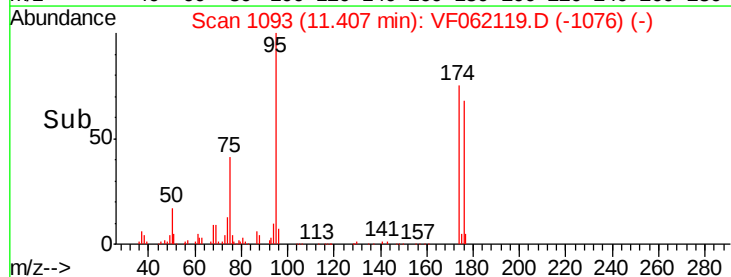
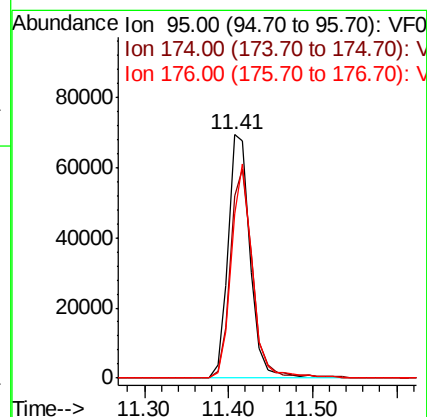
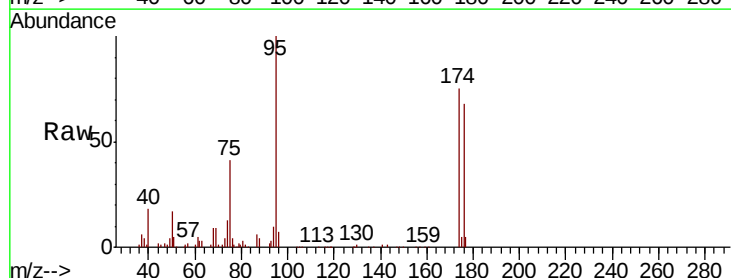
Tgt Ion: 95 Resp: 127869

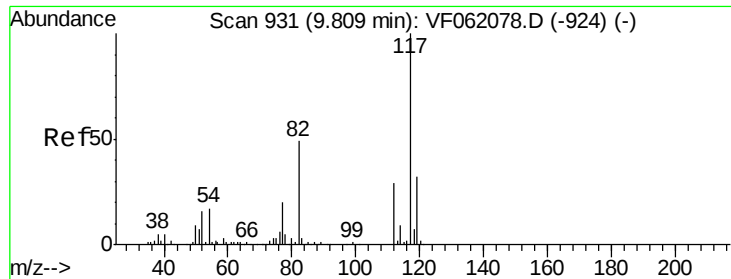
Ion Ratio Lower Upper

95 100

174 74.8 0.0 168.2

176 67.6 0.0 164.2

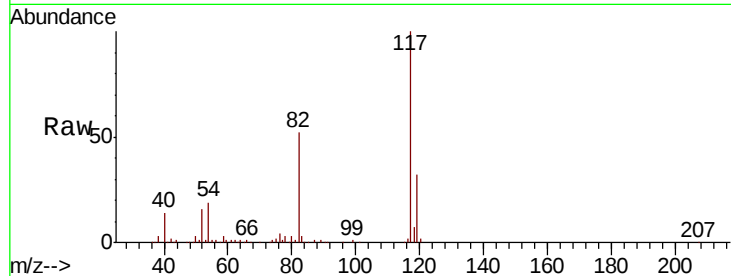




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.03 min
Lab File: VF062119.D
Acq: 23 Mar 2019 16:08

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	39.2	58.8
119	31.6	25.4	38.2

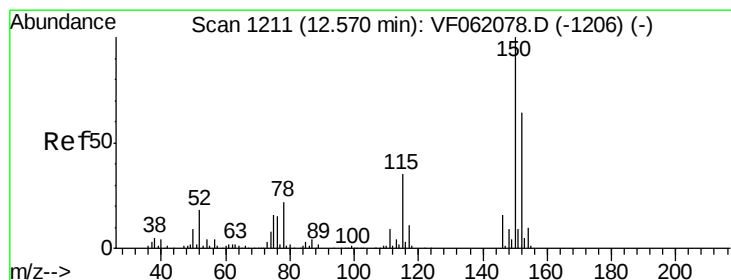
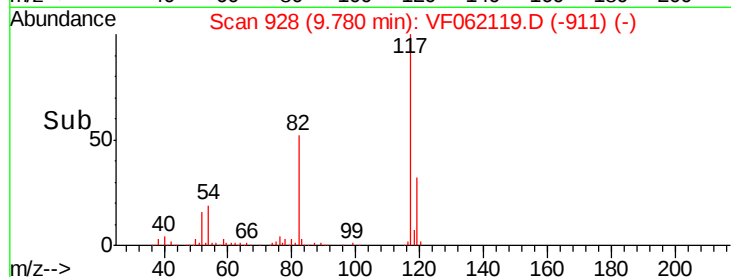
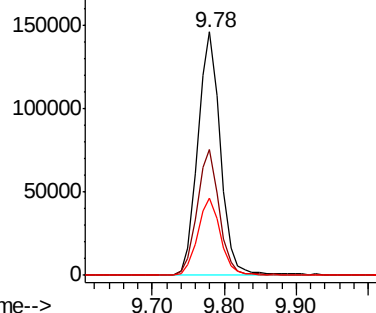


Abundance

Ion 117.00 (116.70 to 117.70): V

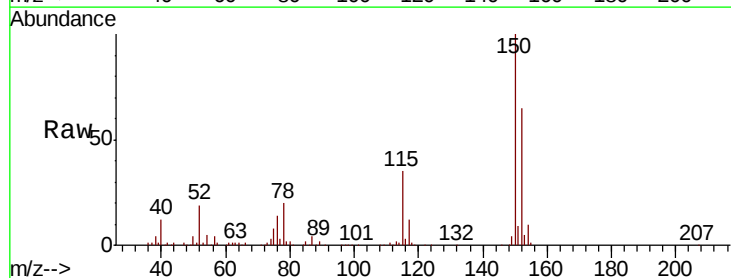
Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.02 min
Lab File: VF062119.D
Acq: 23 Mar 2019 16:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.5	27.7	83.1
150	153.2	0.0	313.2



Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

