

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080119\
 Data File : VD063304.D
 Acq On : 1 Aug 2019 20:36
 Operator : VA/AP
 Sample : K4093-01
 Misc : 4.77g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PL-02-080119

Quant Time: Aug 02 07:27:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	1199342	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.20	114	1729944	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1290000	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	541969	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	468920	35.24	ug/l	0.00
Spiked Amount			Recovery	=	70.48%	
35) Dibromofluoromethane	6.90	113	549388	37.20	ug/l	0.00
Spiked Amount			Recovery	=	74.40%	
50) Toluene-d8	10.40	98	1115524	33.75	ug/l	0.00
Spiked Amount			Recovery	=	67.50%	
62) 4-Bromofluorobenzene	13.55	95	444527	29.51	ug/l	0.00
Spiked Amount			Recovery	=	59.02%	

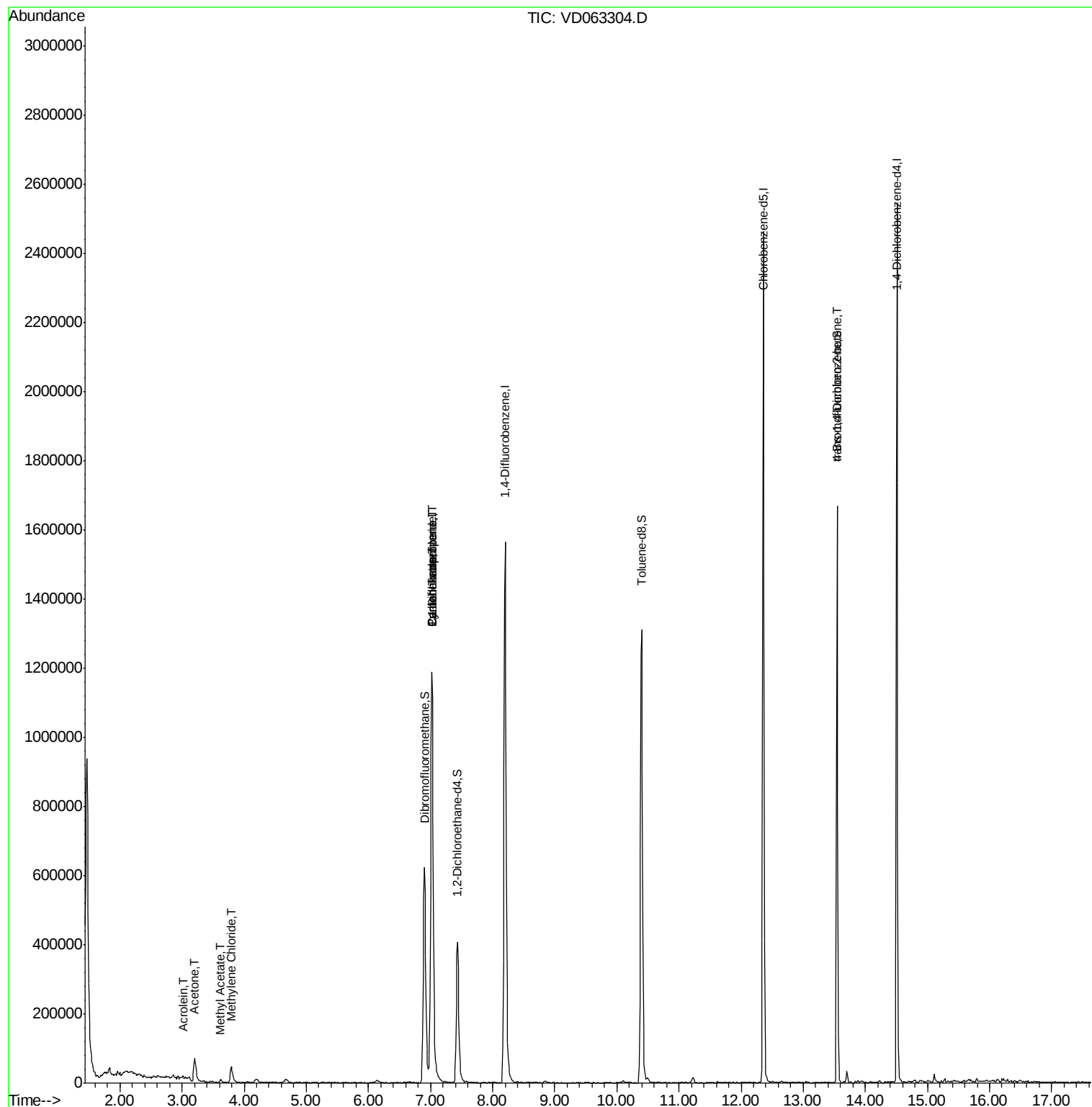
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.01	56	610	1.085	ug/l #	15
16) Acetone	3.20	43	134935	52.040	ug/l	100
18) Methyl Acetate	3.61	43	12648	2.540	ug/l #	87
20) Methylene Chloride	3.80	84	27245	2.600	ug/l #	81
31) Cyclohexane	7.02	56	22044	1.860	ug/l #	1
36) 1,1-Dichloropropene	7.02	75	85223	5.398	ug/l #	50
38) Carbon Tetrachloride	7.02	117	111499	4.691	ug/l #	15
49) 1,4-Dioxane	8.68	88	199	Below Cal	#	22
81) trans-1,4-Dichloro-2-buten	13.55	75	200160	110.731	ug/l #	3

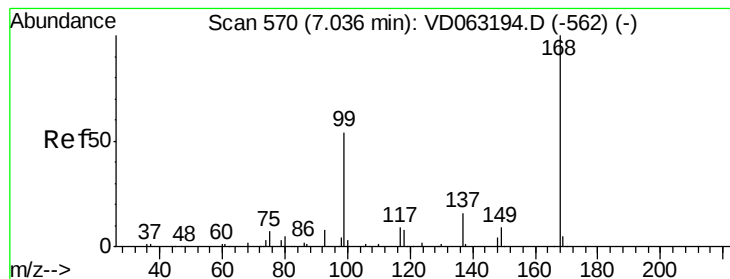
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080119\
Data File : VD063304.D
Acq On : 1 Aug 2019 20:36
Operator : VA/AP
Sample : K4093-01
Misc : 4.77q/5ml/MSVOA D/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PL-02-080119

Quant Time: Aug 02 07:27:24 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.02 min

Lab File: VD063304.D

Acq: 1 Aug 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

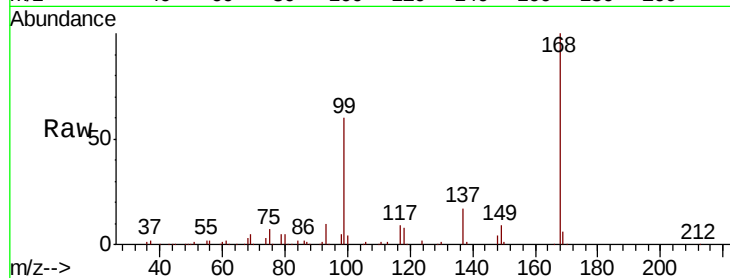
PL-02-080119

Tot Ion:168 Resp: 1199342

Ion Ratio Lower Upper

168 100

99 60.1 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.02

400000

300000

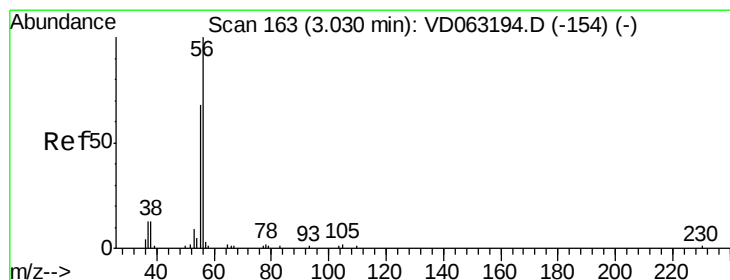
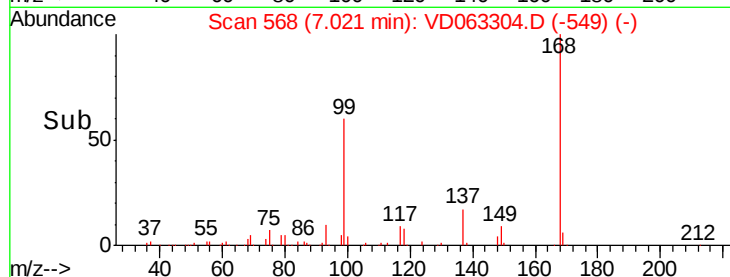
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#13

Acrolein

Concen: 1.085 ug/l

RT: 3.01 min Scan# 161

Delta R.T. -0.02 min

Lab File: VD063304.D

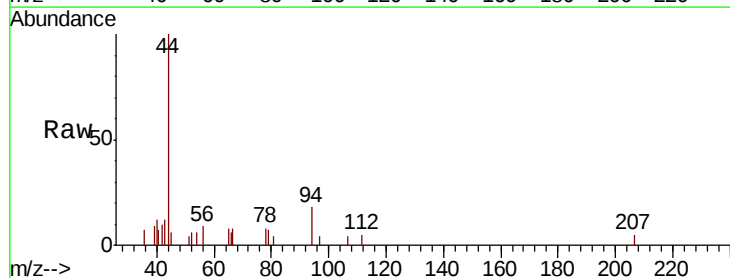
Acq: 1 Aug 2019 20:36

Tgt Ion: 56 Resp: 610

Ion Ratio Lower Upper

56 100

55 0.0 55.3 82.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

800

600

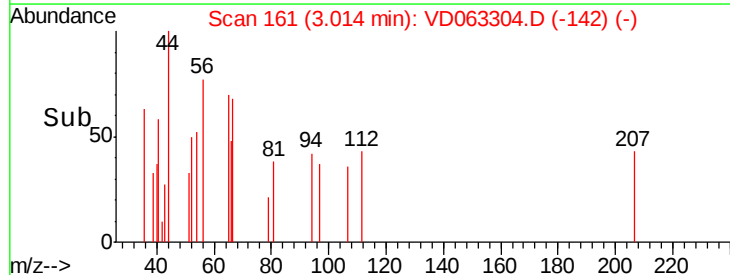
400

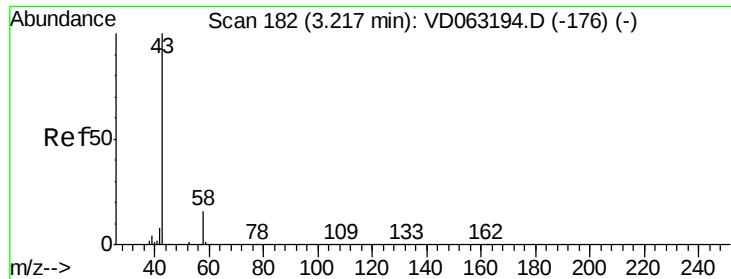
200

0

Time-->

2.98 3.00 3.02 3.04





#16

Acetone

Concen: 52.040 ug/l

RT: 3.20 min Scan# 180

Delta R.T. -0.02 min

Lab File: VD063304.D

Acq: 1 Aug 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

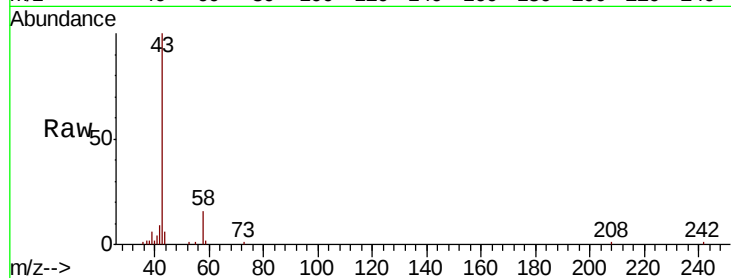
PL-02-080119

Tot Ion: 43 Resp: 134935

Ion Ratio Lower Upper

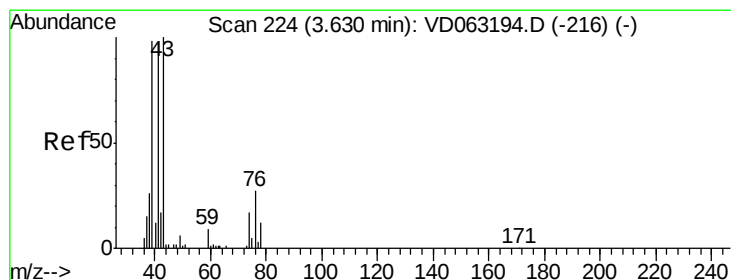
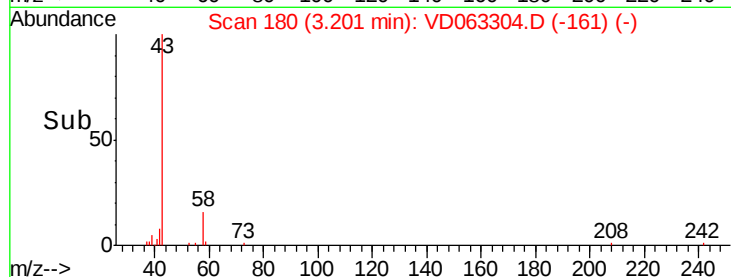
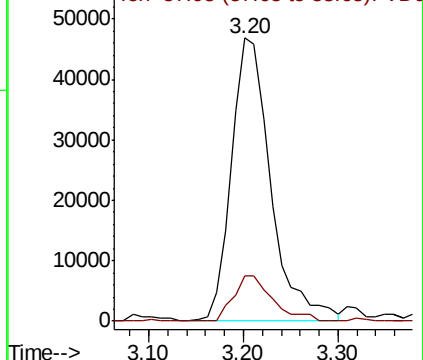
43 100

58 16.0 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 2.540 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.02 min

Lab File: VD063304.D

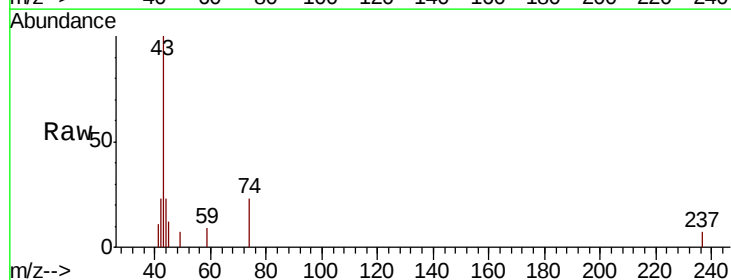
Acq: 1 Aug 2019 20:36

Tgt Ion: 43 Resp: 12648

Ion Ratio Lower Upper

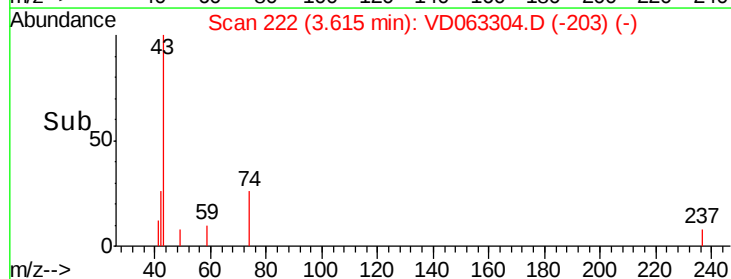
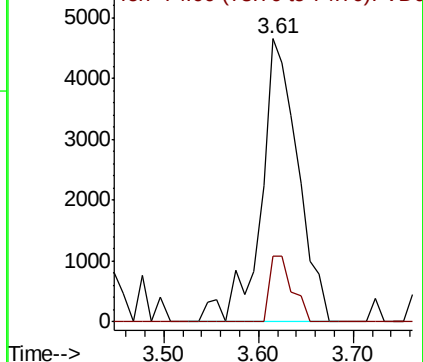
43 100

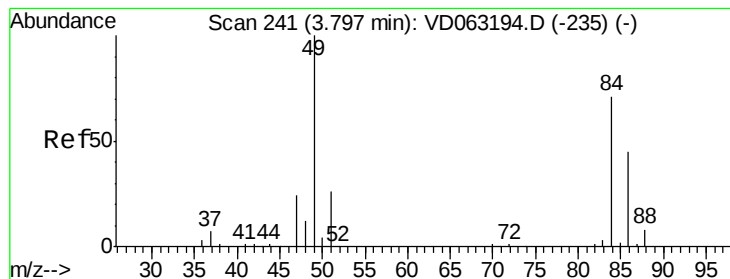
74 23.0 13.8 20.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#20

Methylene Chloride

Concen: 2.600 ug/l

RT: 3.80 min Scan# 241

Delta R.T. 0.00 min

Lab File: VD063304.D

Acq: 1 Aug 2019 20:36

Instrument :

MSVOA_D

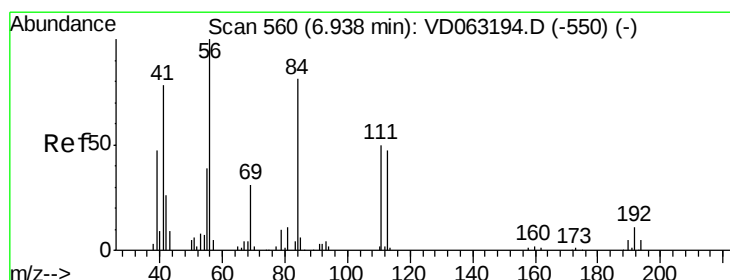
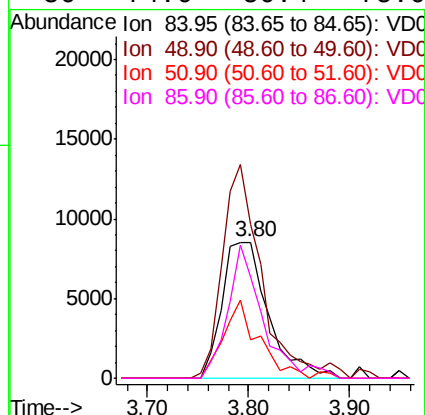
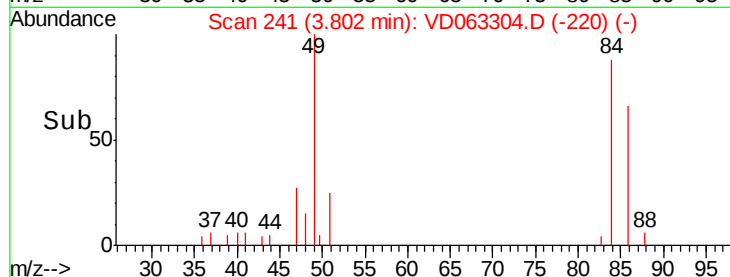
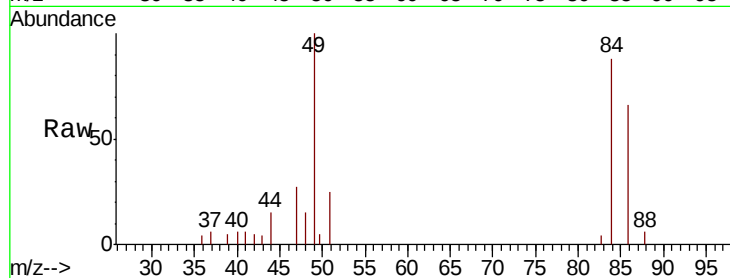
ClientSampleId :

PL-02-080119

Tot Ion: 84 Resp: 27245

Ion Ratio Lower Upper

84	100		
49	113.3	112.5	168.7
51	27.8	29.6	44.4#
86	74.6	50.4	75.6



#31

Cyclohexane

Concen: 1.860 ug/l

RT: 7.02 min Scan# 568

Delta R.T. 0.08 min

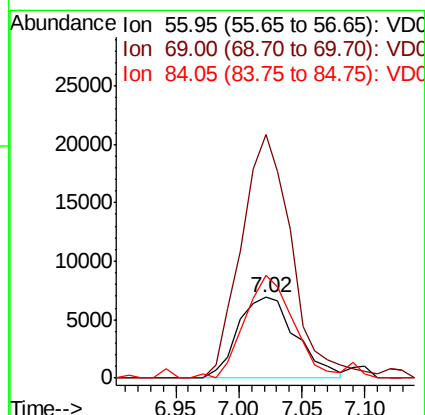
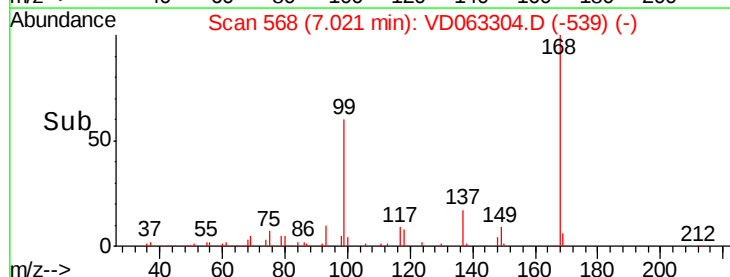
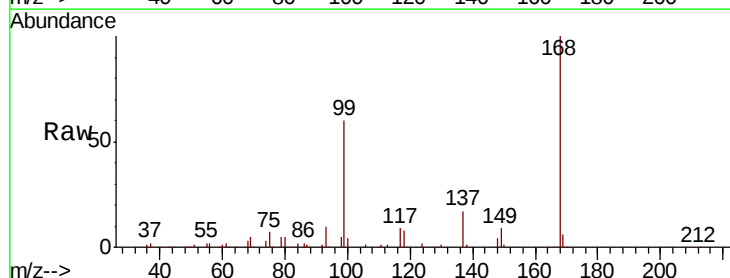
Lab File: VD063304.D

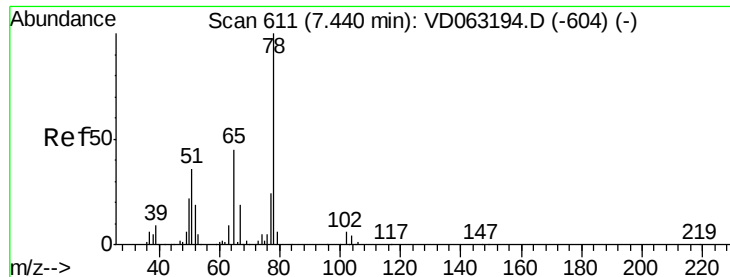
Acq: 1 Aug 2019 20:36

Tgt Ion: 56 Resp: 22044

Ion Ratio Lower Upper

56	100		
69	302.2	24.5	36.7#
84	127.9	64.9	97.3#

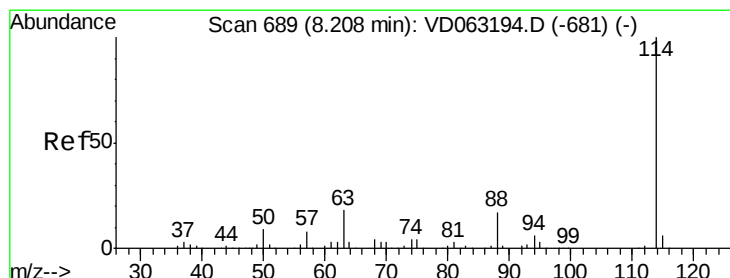
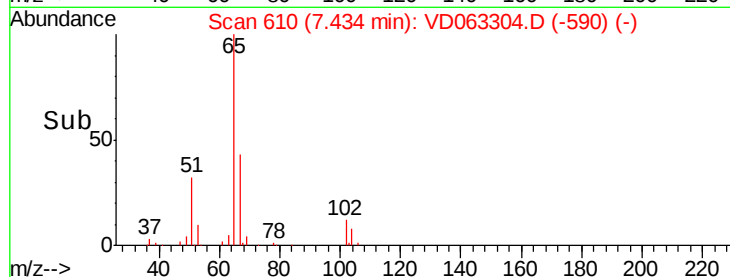
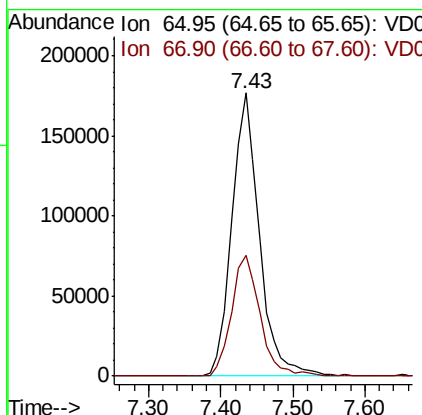
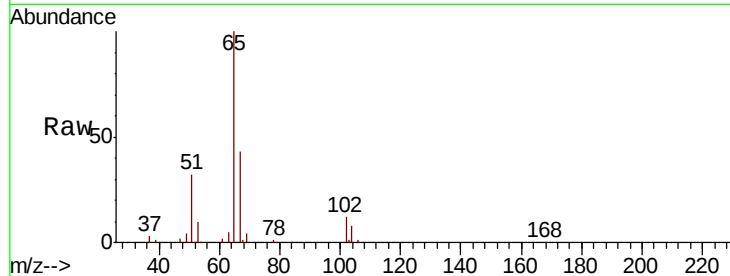




#33
 1,2-Dichloroethane-d4
 Concen: 35.236 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. -0.01 min
 Lab File: VD063304.D
 Acq: 1 Aug 2019 20:36

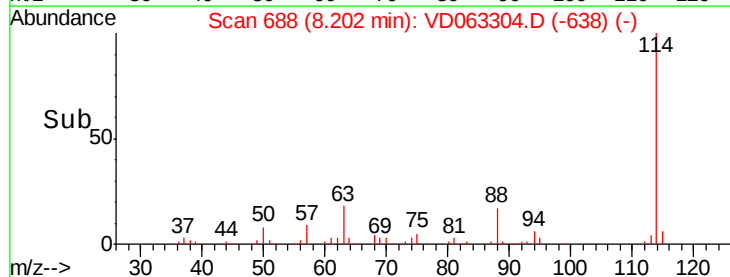
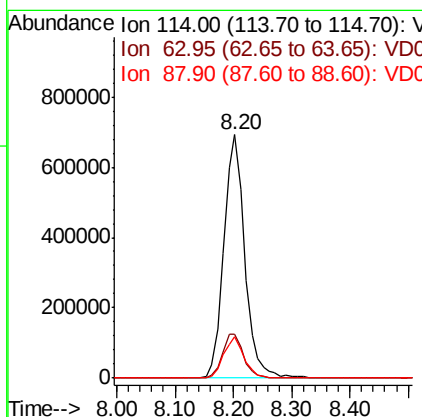
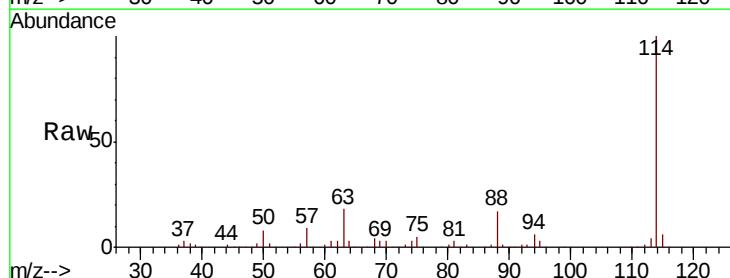
Instrument :
 MSVOA_D
 ClientSampleId :
 PL-02-080119

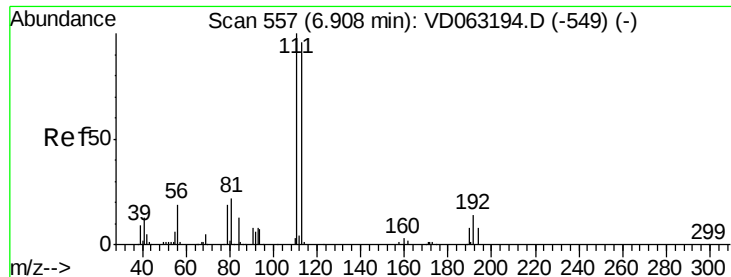
Tot Ion: 65 Resp: 468920
 Ion Ratio Lower Upper
 65 100
 67 42.7 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. -0.01 min
 Lab File: VD063304.D
 Acq: 1 Aug 2019 20:36

Tgt Ion: 114 Resp: 1729944
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 35.2
 88 17.0 0.0 34.6





#35

Dibromofluoromethane

Concen: 37.196 ug/l

RT: 6.90 min Scan# 556

Delta R.T. -0.01 min

Lab File: VD063304.D

Acq: 1 Aug 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

PL-02-080119

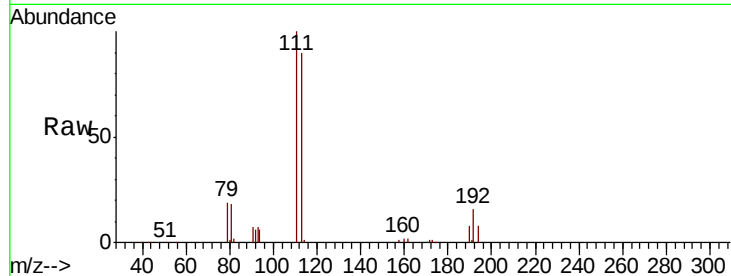
Tot Ion:113 Resp: 549388

Ion Ratio Lower Upper

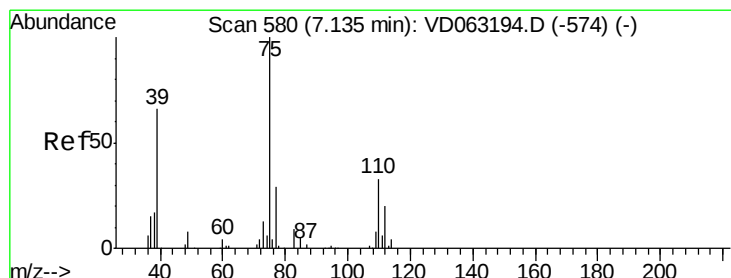
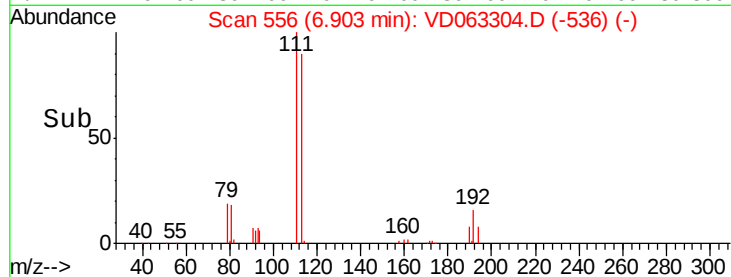
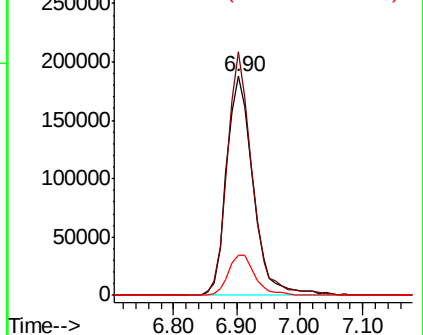
113 100

111 111.1 83.2 124.8

192 18.1 11.8 17.8#



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 5.398 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.11 min

Lab File: VD063304.D

Acq: 1 Aug 2019 20:36

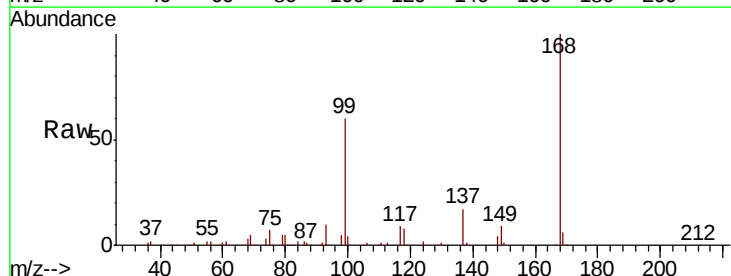
Tgt Ion: 75 Resp: 85223

Ion Ratio Lower Upper

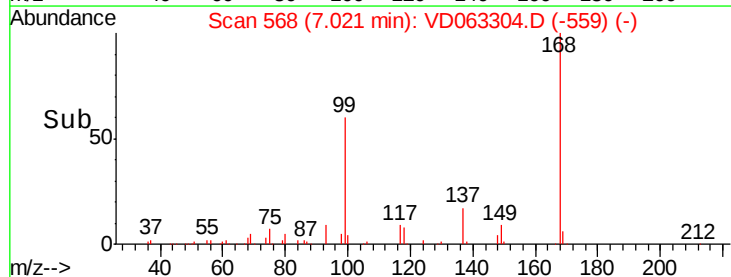
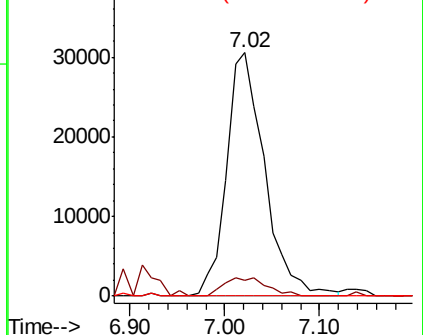
75 100

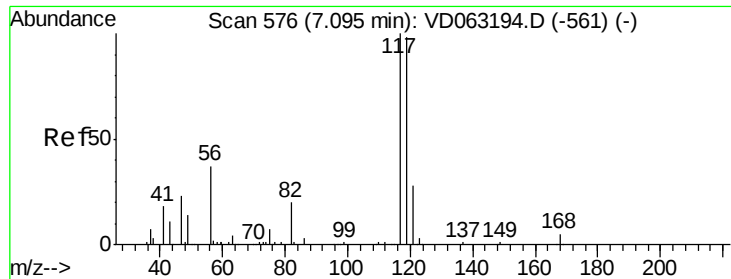
110 6.5 16.1 48.2#

77 0.0 22.7 34.1#



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 4.691 ug/l

RT: 7.02 min Scan# 568

Delta R.T. -0.07 min

Lab File: VD063304.D

Acq: 1 Aug 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

PL-02-080119

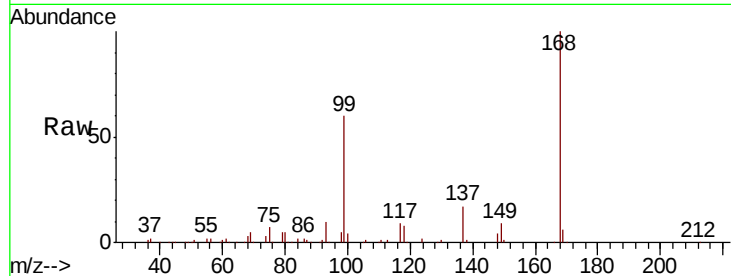
Tot Ion:117 Resp: 111499

Ion Ratio Lower Upper

117 100

119 5.0 78.2 117.2#

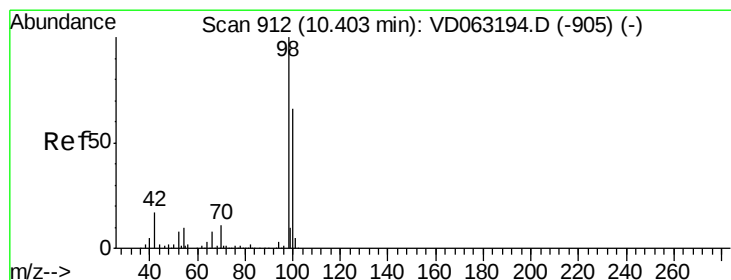
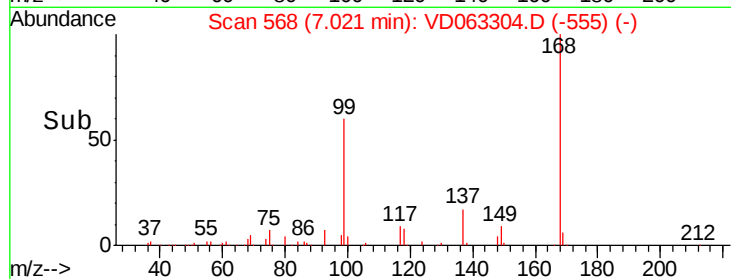
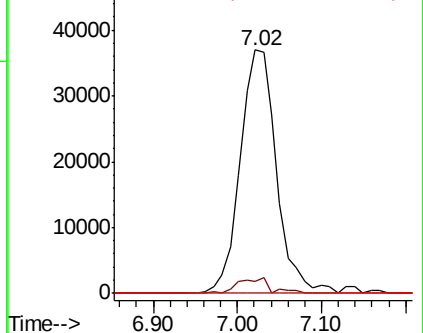
121 0.0 22.1 33.1#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#50

Toluene-d8

Concen: 33.747 ug/l

RT: 10.40 min Scan# 911

Delta R.T. -0.01 min

Lab File: VD063304.D

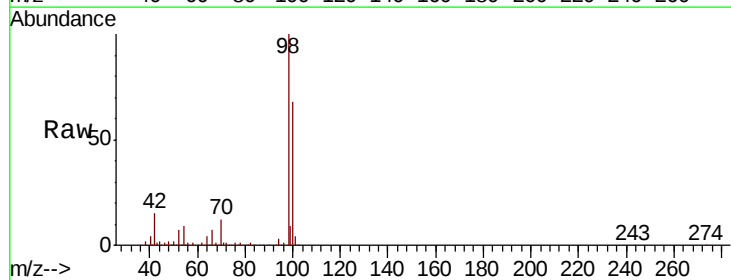
Acq: 1 Aug 2019 20:36

Tgt Ion: 98 Resp: 1115524

Ion Ratio Lower Upper

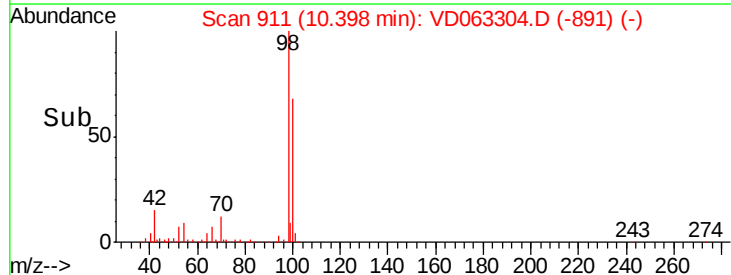
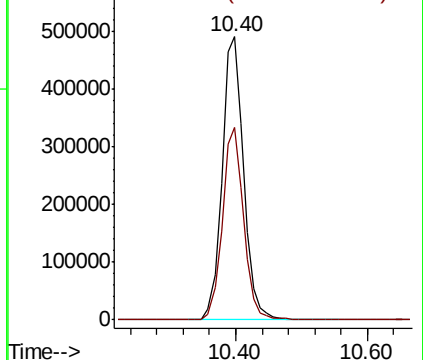
98 100

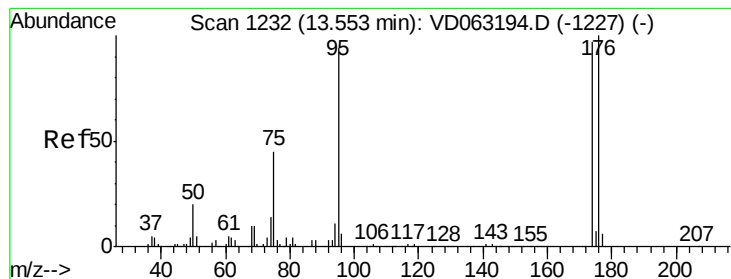
100 67.9 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 29.511 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD063304.D

Acq: 1 Aug 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

PL-02-080119

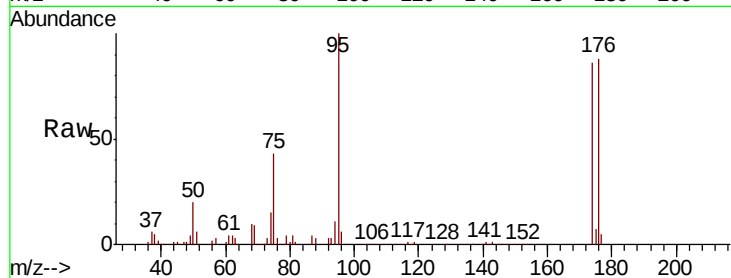
Tot Ion: 95 Resp: 444527

Ion Ratio Lower Upper

95 100

174 86.3 0.0 205.4

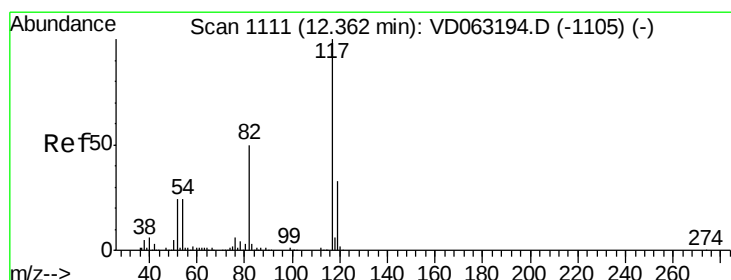
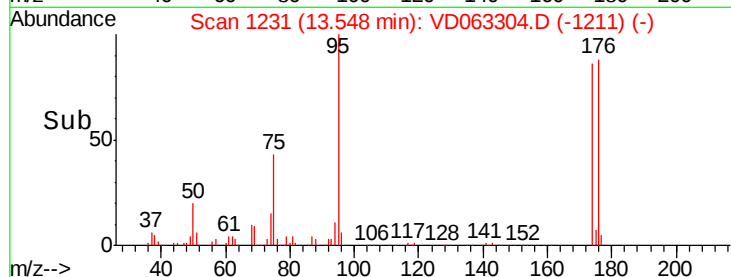
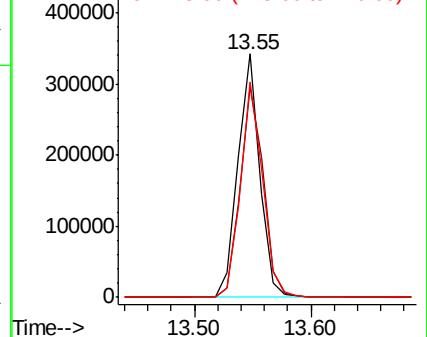
176 88.4 0.0 211.8



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.36 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD063304.D

Acq: 1 Aug 2019 20:36

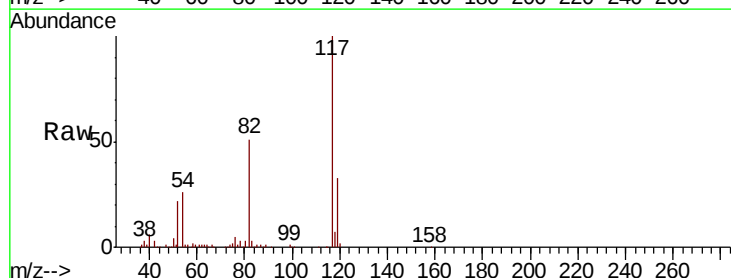
Tgt Ion: 117 Resp: 1290000

Ion Ratio Lower Upper

117 100

82 50.7 40.1 60.1

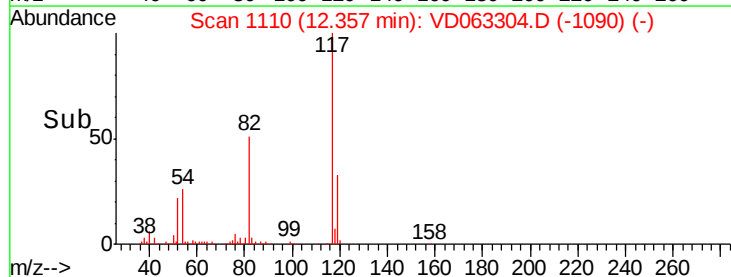
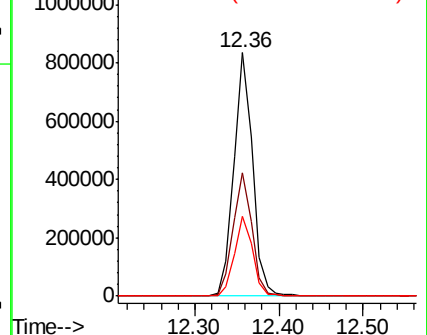
119 32.9 26.5 39.7

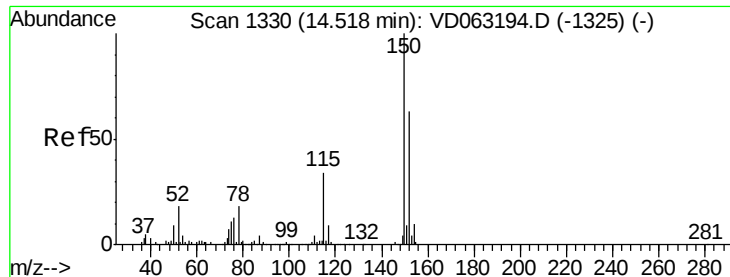


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1329

Delta R.T. -0.01 min

Lab File: VD063304.D

Acq: 1 Aug 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

PL-02-080119

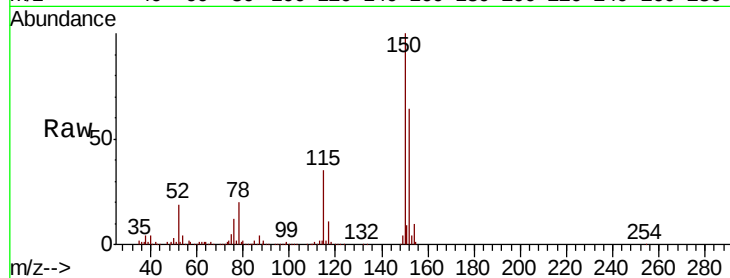
Tot Ion:152 Resp: 541969

Ion Ratio Lower Upper

152 100

115 54.9 27.5 82.4

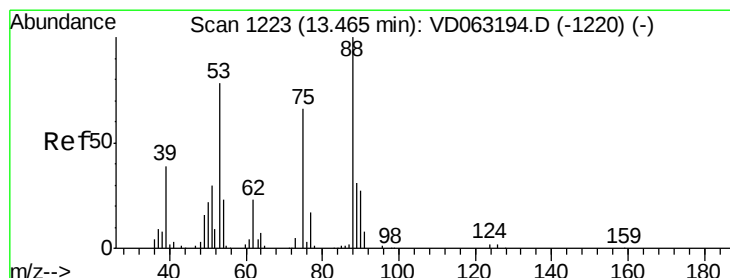
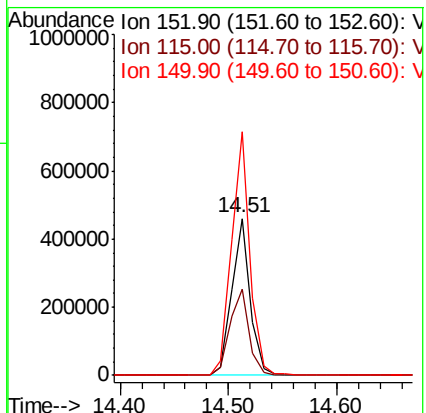
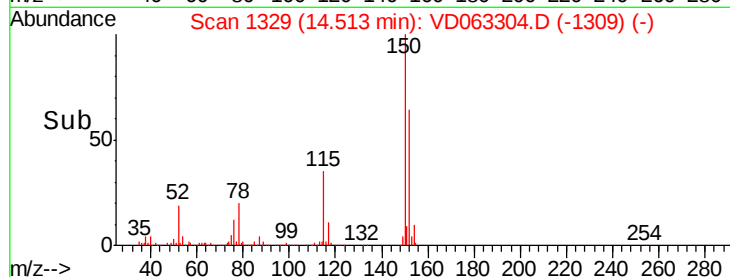
150 155.0 0.0 320.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene

Concen: 110.731 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.08 min

Lab File: VD063304.D

Acq: 1 Aug 2019 20:36

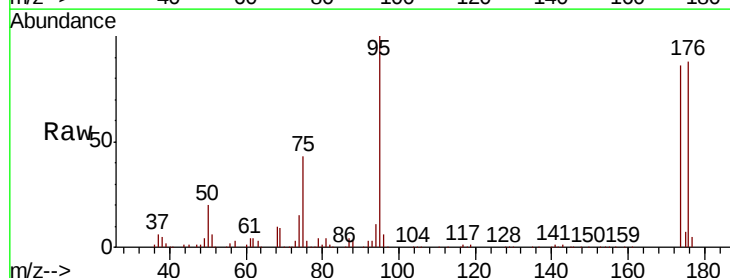
Tgt Ion: 75 Resp: 200160

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

