

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071519\
 Data File : VD063082.D
 Acq On : 15 Jul 2019 16:00
 Operator : VA/AP
 Sample : VD0715SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0715SBL01

Quant Time: Jul 16 08:20:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	823425	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1080253	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	903498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	490393	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	480116	46.81	ug/l	0.00
Spiked Amount			Recovery	=	93.62%	
35) Dibromofluoromethane	6.92	113	554851	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	
50) Toluene-d8	10.40	98	1223808	52.95	ug/l	0.00
Spiked Amount			Recovery	=	105.90%	
62) 4-Bromofluorobenzene	13.55	95	538291	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	

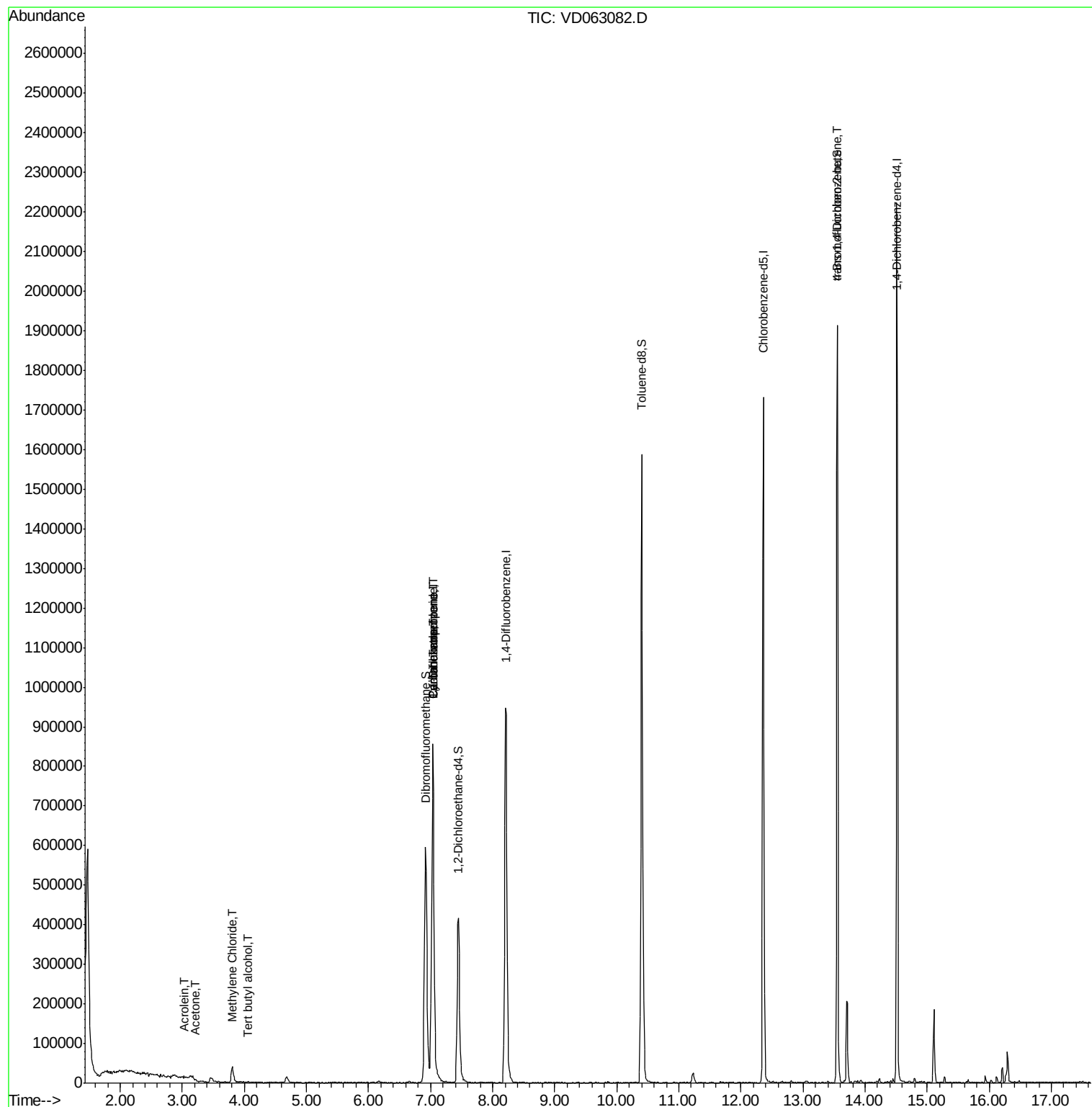
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	238	Below Cal	#	1
3) Chloromethane	1.75	50	2311	Below Cal	#	48
5) Bromomethane	2.15	94	2407	Below Cal	#	35
11) Tert butyl alcohol	4.06	59	727	1.228	ug/l #	77
13) Acrolein	3.03	56	963	5.390	ug/l	94
16) Acetone	3.22	43	8373	3.380	ug/l	94
18) Methyl Acetate	3.65	43	850	Below Cal	#	63
20) Methylene Chloride	3.81	84	22589	2.413	ug/l	94
31) Cyclohexane	7.03	56	17268	1.768	ug/l #	14
36) 1,1-Dichloropropene	7.04	75	63169	5.199	ug/l #	49
38) Carbon Tetrachloride	7.04	117	80380	4.354	ug/l #	14
81) trans-1,4-Dichloro-2-buten	13.55	75	255315	128.523	ug/l #	1

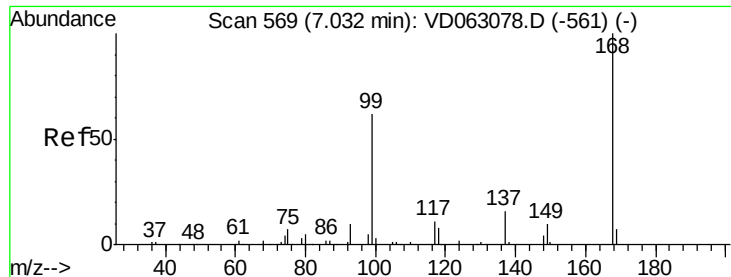
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD071519\
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Quant Time: Jul 16 08:20:39 2019
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Quant Title : SW846 8260
QLast Update : Tue Jul 16 08:11:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063082.D

Acq: 15 Jul 2019 16:00

Instrument :

MSVOA_D

ClientSampleId :

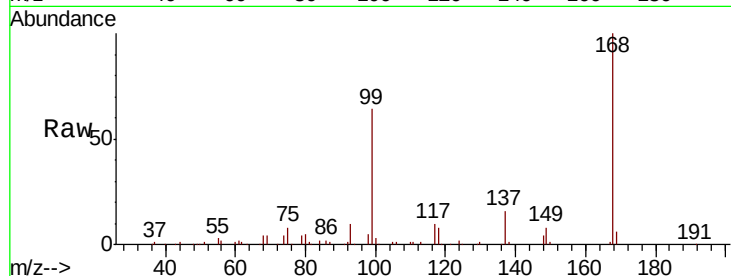
VD0715SBL01

Tot Ion:168 Resp: 823425

Ion Ratio Lower Upper

168 100

99 64.1 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

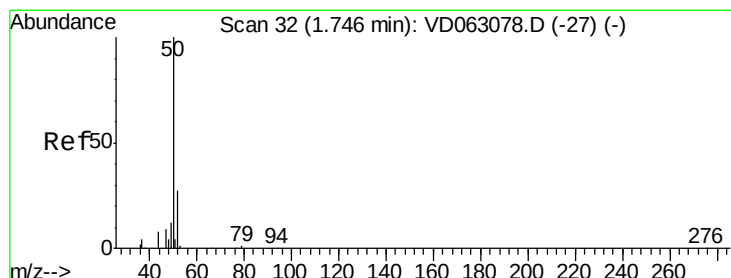
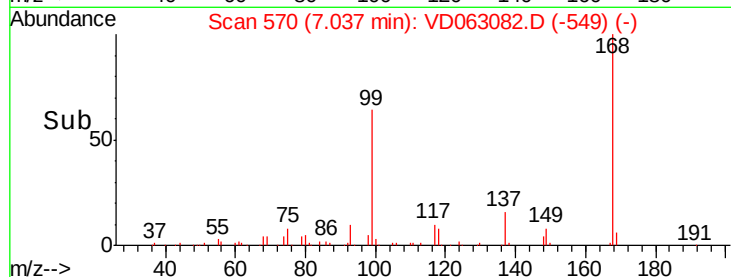
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD063082.D

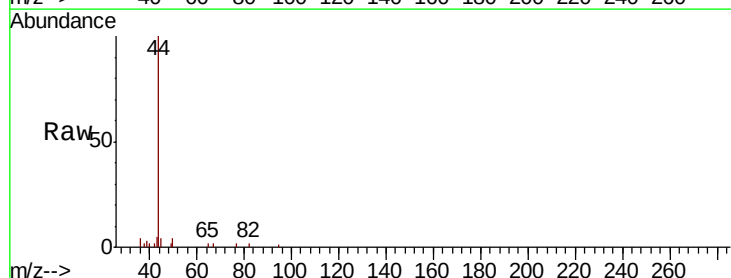
Acq: 15 Jul 2019 16:00

Tgt Ion: 50 Resp: 2311

Ion Ratio Lower Upper

50 100

52 0.0 21.4 32.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.75

1000

800

600

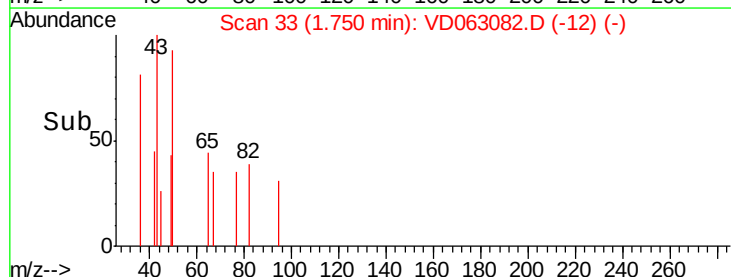
400

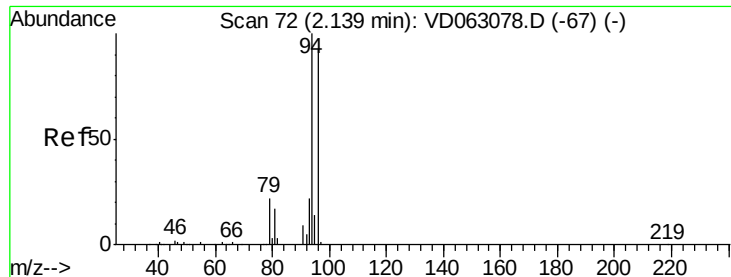
200

0

1.65 1.70 1.75 1.80

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD063082.D

Acq: 15 Jul 2019 16:00

Instrument :

MSVOA_D

ClientSampleId :

VD0715SBL01

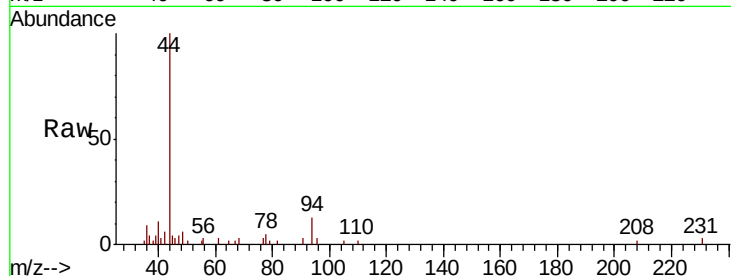
Tot Ion: 94 Resp: 2407

Ion Ratio Lower Upper

94 100

96 26.4 74.2 111.2#

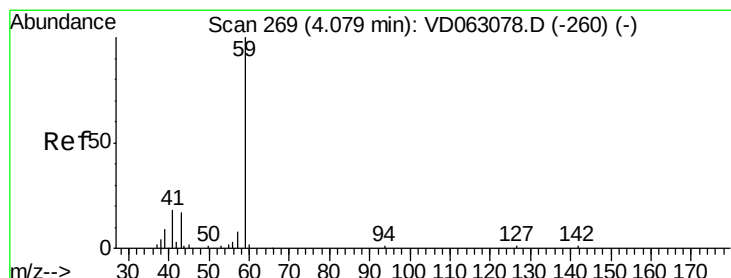
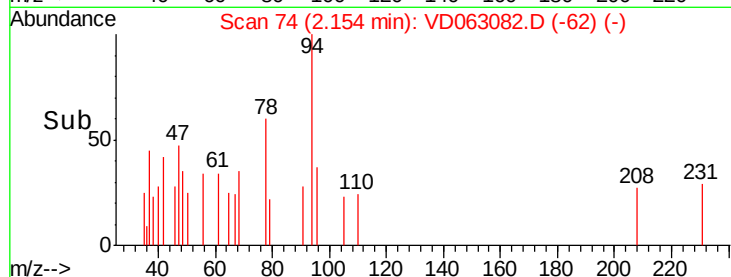
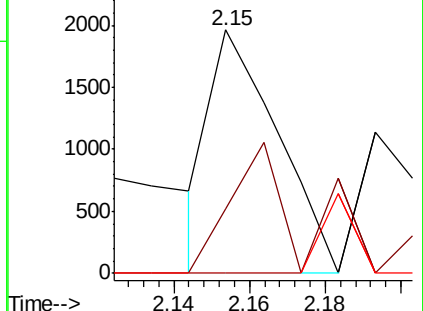
93 0.0 17.8 26.6#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#11

Tert butyl alcohol

Concen: 1.228 ug/l

RT: 4.06 min Scan# 268

Delta R.T. -0.02 min

Lab File: VD063082.D

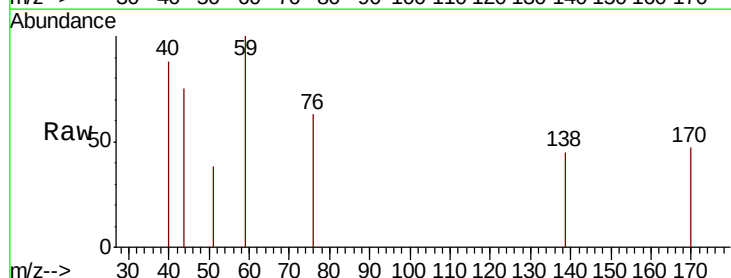
Acq: 15 Jul 2019 16:00

Tgt Ion: 59 Resp: 727

Ion Ratio Lower Upper

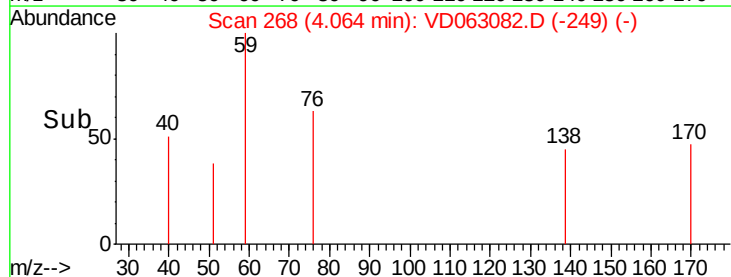
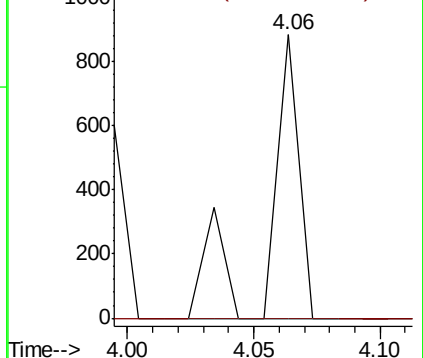
59 100

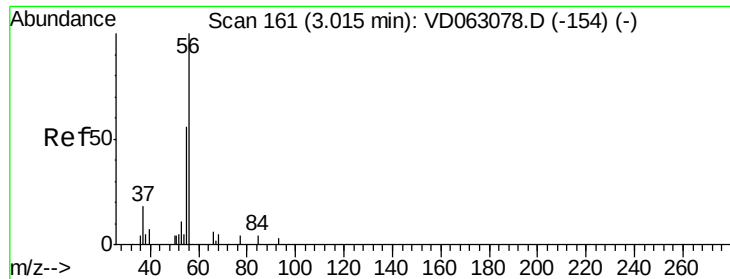
57 0.0 6.4 9.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 5.390 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.01 min

Lab File: VD063082.D

Acq: 15 Jul 2019 16:00

Instrument :

MSVOA_D

ClientSampleId :

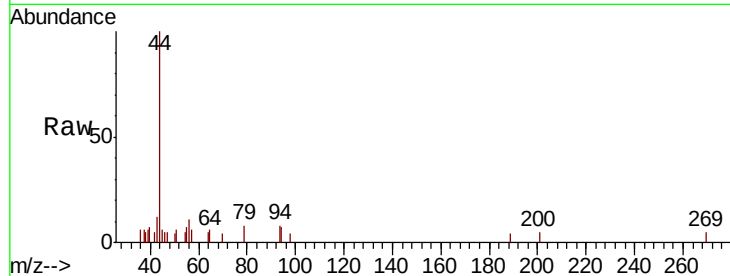
VD0715SBL01

Tot Ion: 56 Resp: 963

Ion Ratio Lower Upper

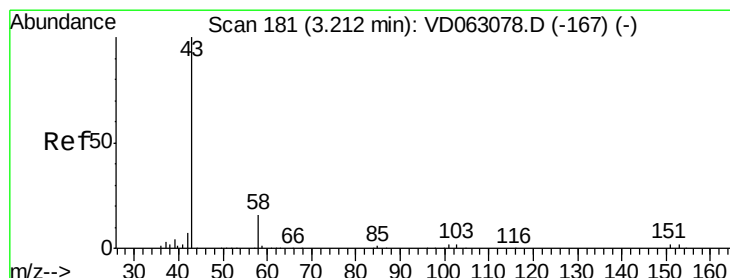
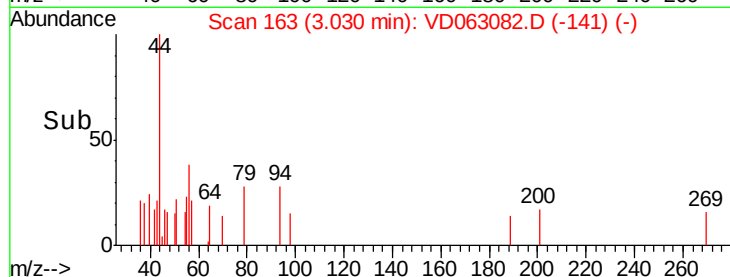
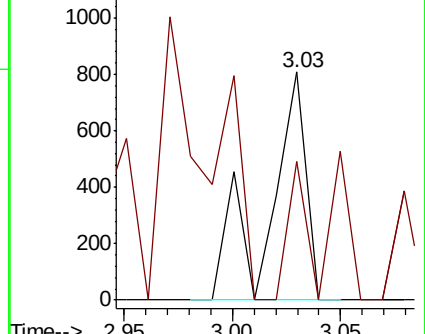
56 100

55 61.1 53.0 79.4



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 3.380 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.00 min

Lab File: VD063082.D

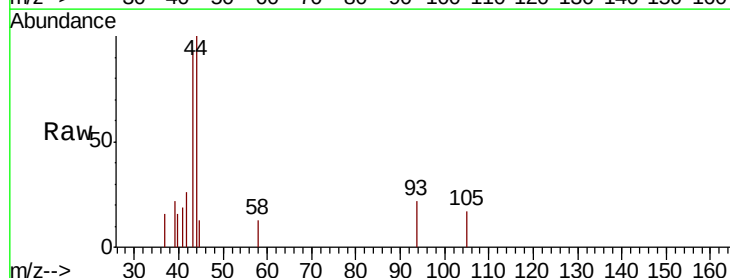
Acq: 15 Jul 2019 16:00

Tgt Ion: 43 Resp: 8373

Ion Ratio Lower Upper

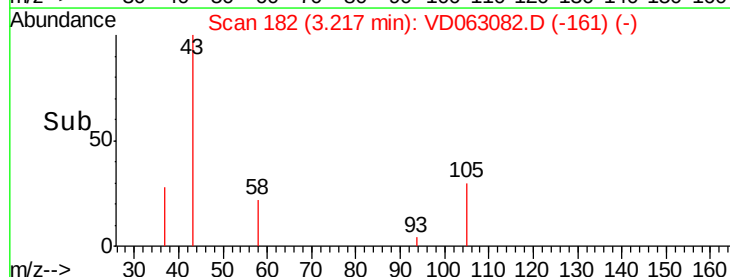
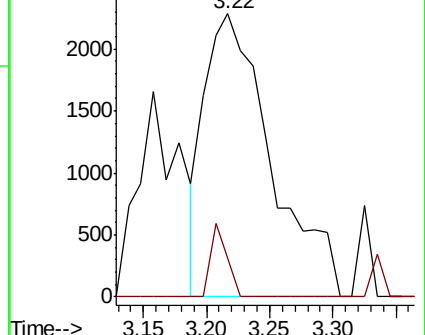
43 100

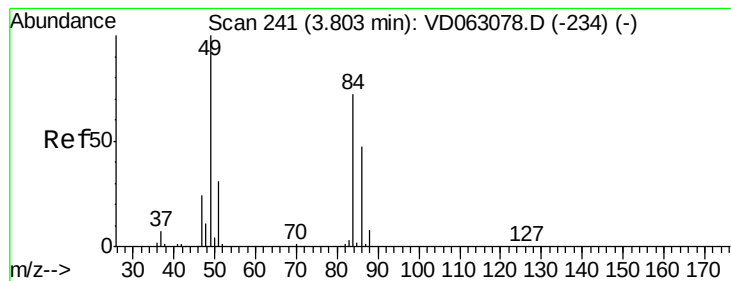
58 13.8 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methylene Chloride

Concen: 2.413 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD063082.D

Acq: 15 Jul 2019 16:00

Instrument :

MSVOA_D

ClientSampleId :

VD0715SBL01

Tot Ion: 84 Resp: 22589

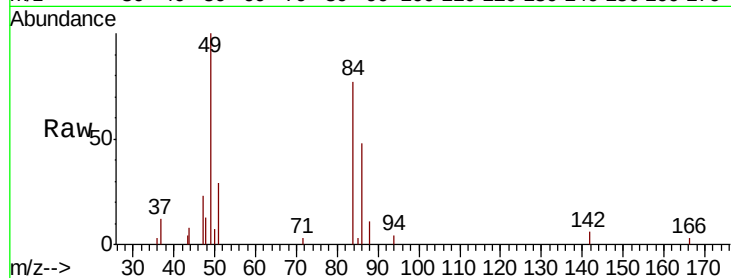
Ion Ratio Lower Upper

84 100

49 130.4 110.5 165.7

51 38.1 34.6 51.8

86 62.2 51.6 77.4

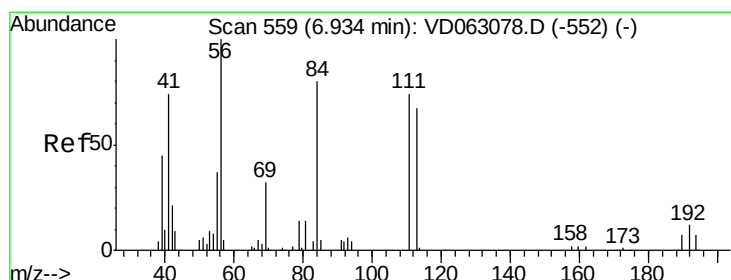
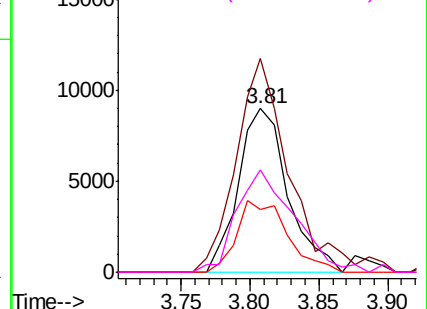
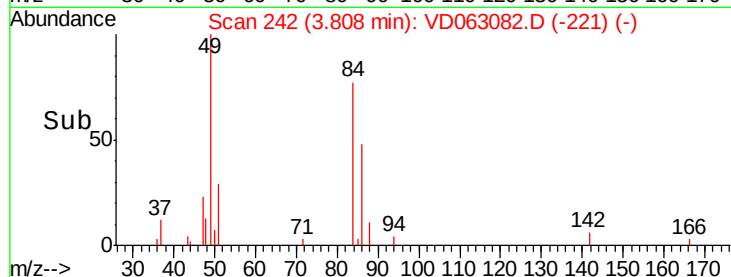


Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#31

Cyclohexane

Concen: 1.768 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.09 min

Lab File: VD063082.D

Acq: 15 Jul 2019 16:00

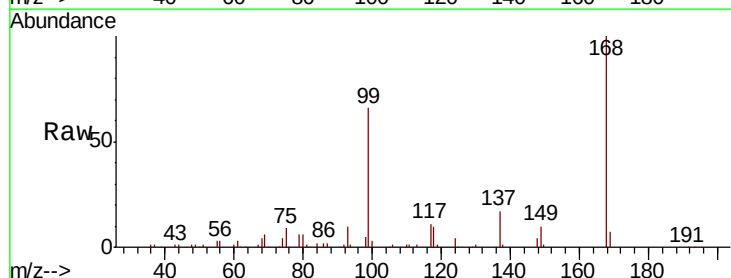
Tgt Ion: 56 Resp: 17268

Ion Ratio Lower Upper

56 100

69 191.9 25.3 37.9#

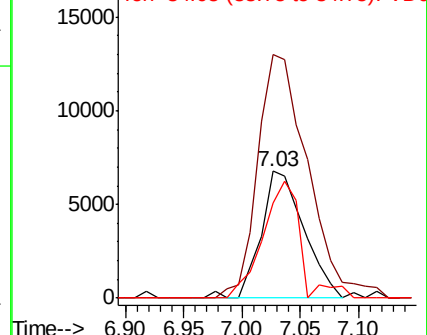
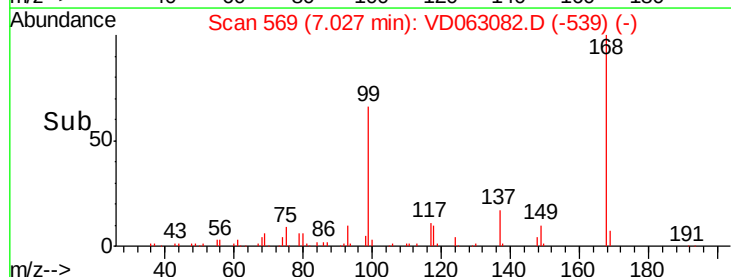
84 75.0 64.2 96.4

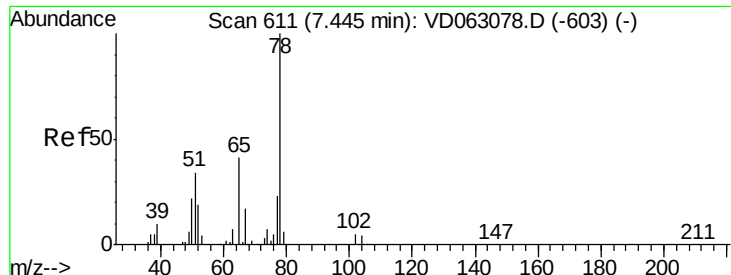


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 46.807 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD063082.D

Acq: 15 Jul 2019 16:00

Instrument :

MSVOA_D

ClientSampleId :

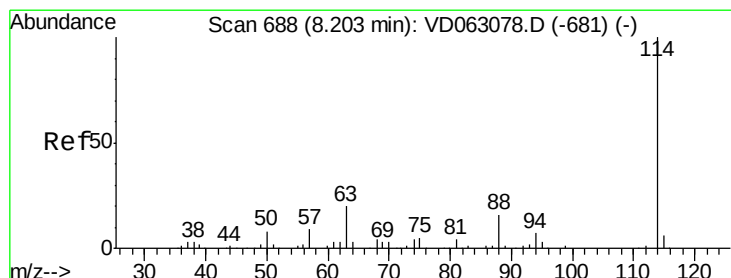
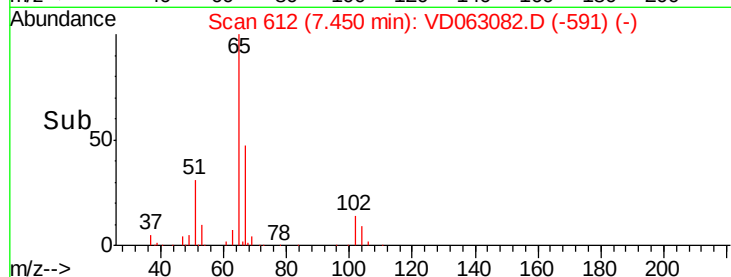
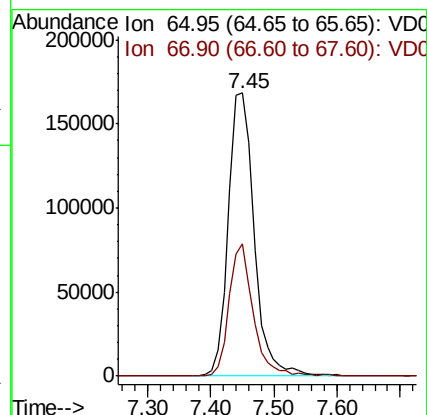
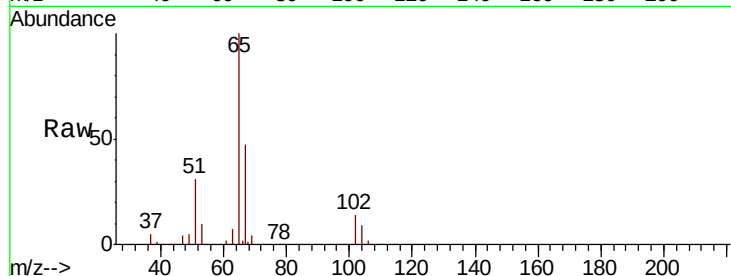
VD0715SBL01

Tot Ion: 65 Resp: 480116

Ion Ratio Lower Upper

65 100

67 46.6 0.0 86.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD063082.D

Acq: 15 Jul 2019 16:00

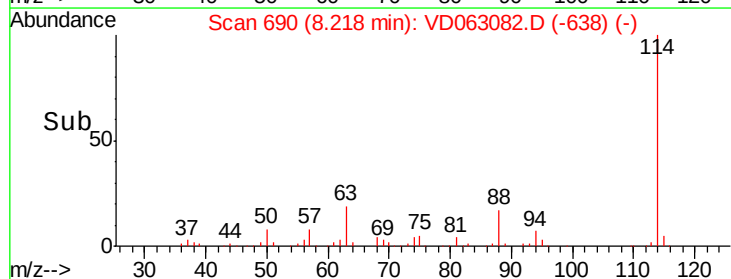
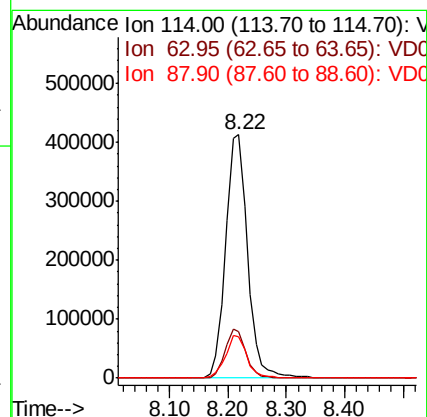
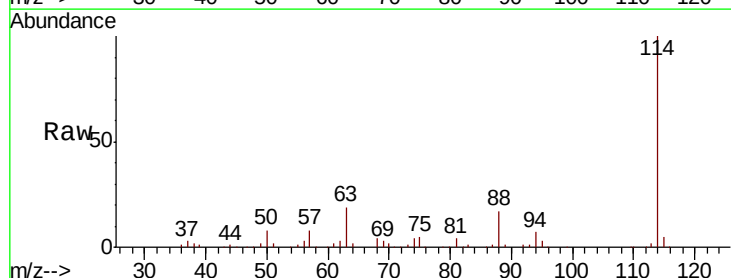
Tgt Ion: 114 Resp: 1080253

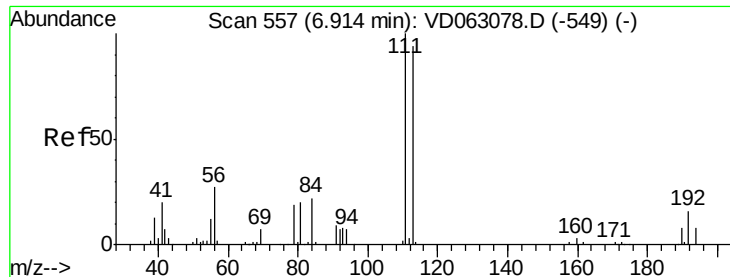
Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.6

88 16.8 0.0 32.6

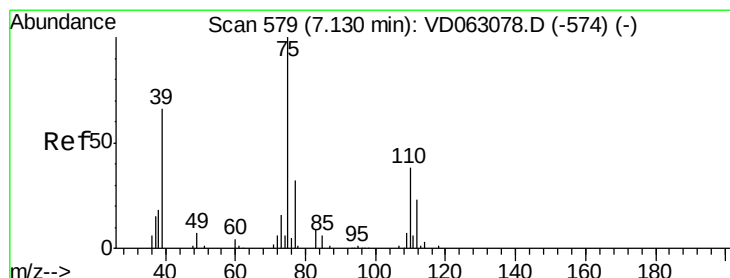
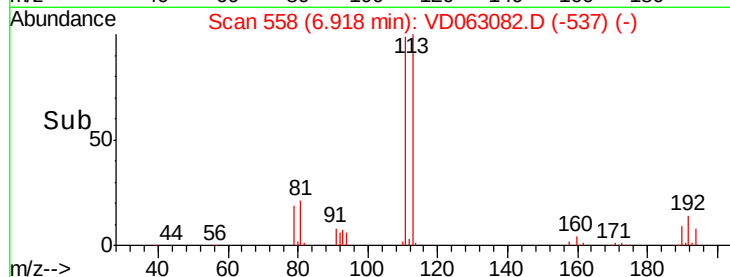
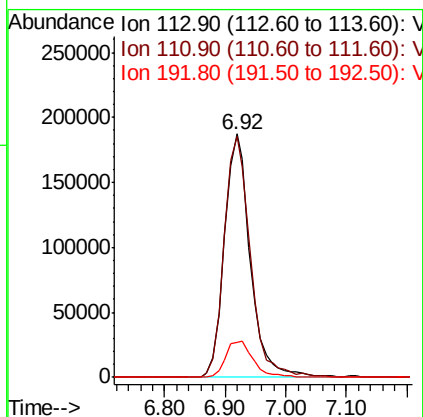
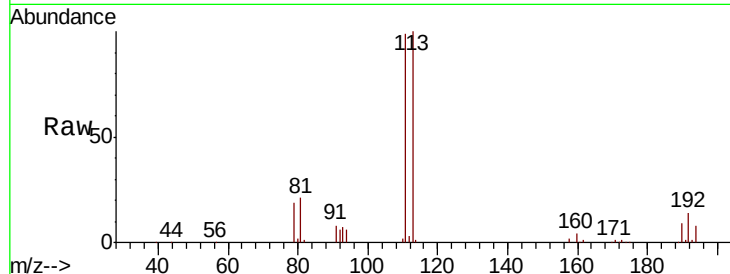




#35
 Dibromofluoromethane
 Concen: 51.568 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.00 min
 Lab File: VD063082.D
 Acq: 15 Jul 2019 16:00

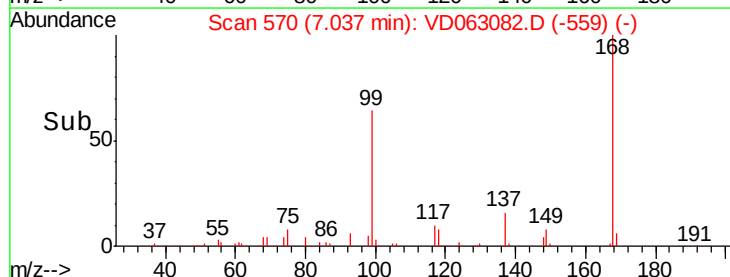
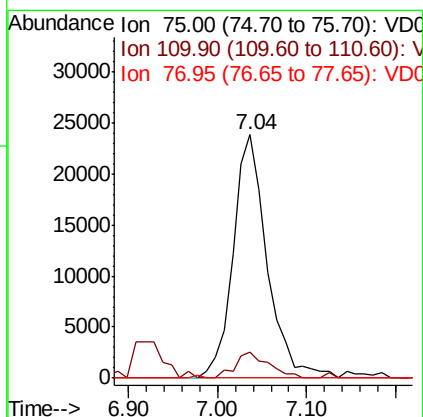
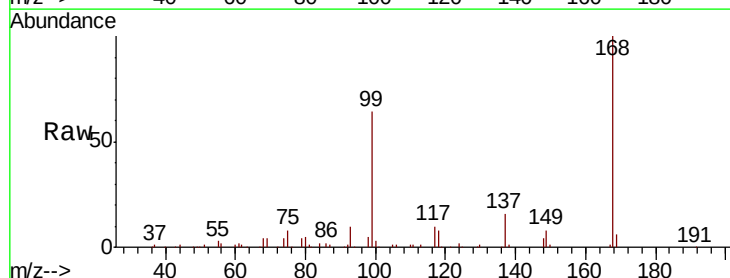
Instrument :
 MSVOA_D
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 VD0715SBL01

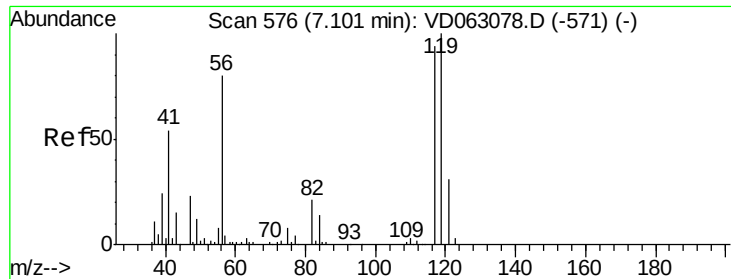
Tot Ion:113 Resp: 554851
 Ion Ratio Lower Upper
 113 100
 111 98.9 84.8 127.2
 192 14.4 13.4 20.0



#36
 1,1-Dichloropropene
 Concen: 5.199 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.09 min
 Lab File: VD063082.D
 Acq: 15 Jul 2019 16:00

Tgt Ion: 75 Resp: 63169
 Ion Ratio Lower Upper
 75 100
 110 10.5 18.9 56.5#
 77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 4.354 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.06 min

Lab File: VD063082.D

Acq: 15 Jul 2019 16:00

Instrument :

MSVOA_D

ClientSampleId :

VD0715SBL01

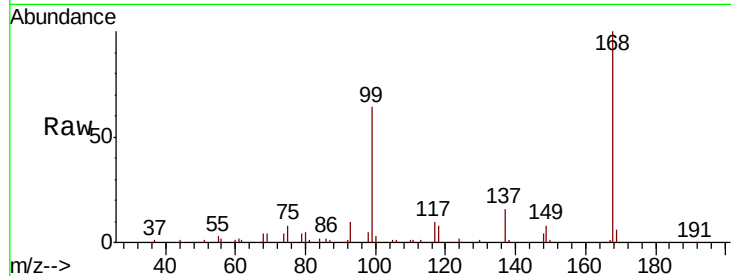
Tot Ion:117 Resp: 80380

Ion Ratio Lower Upper

117 100

119 3.9 80.0 120.0#

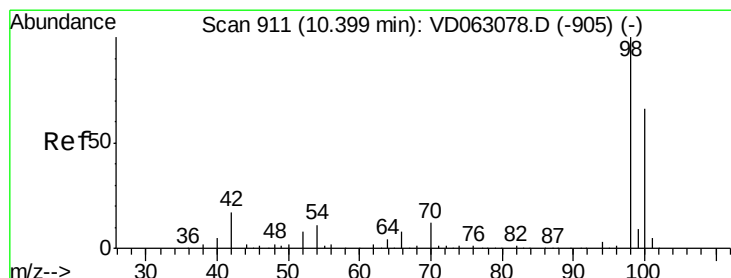
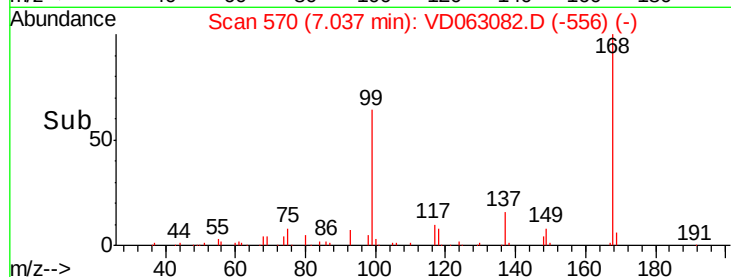
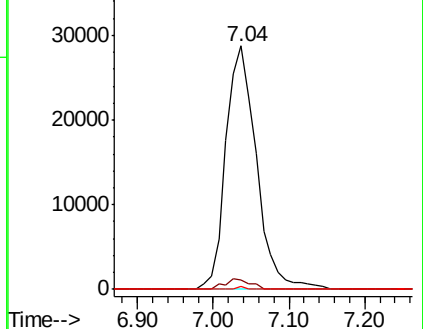
121 1.3 25.0 37.4#



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: 52.952 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD063082.D

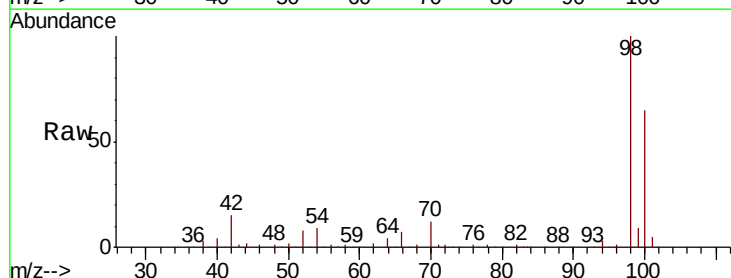
Acq: 15 Jul 2019 16:00

Tgt Ion: 98 Resp: 1223808

Ion Ratio Lower Upper

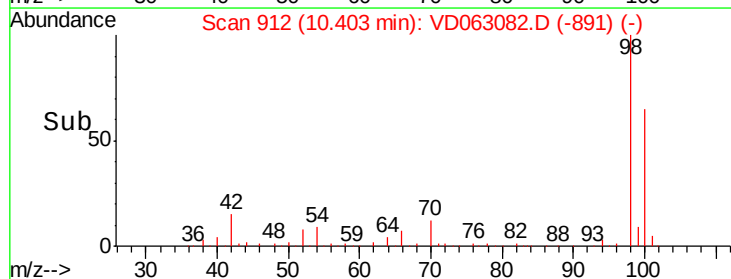
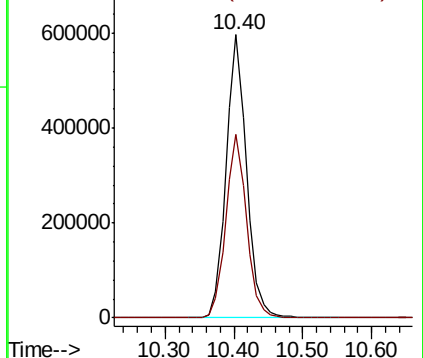
98 100

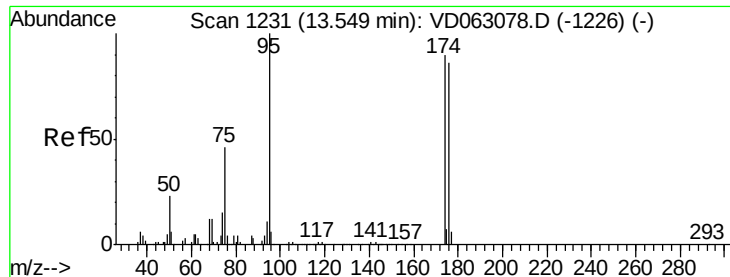
100 65.0 53.5 80.3



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 50.344 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063082.D

Acq: 15 Jul 2019 16:00

Instrument :

MSVOA_D

ClientSampleId :

VD0715SBL01

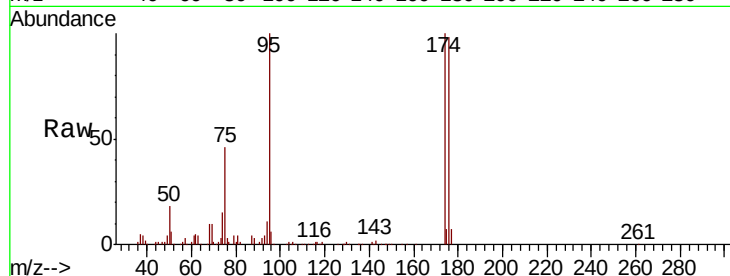
Tot Ion: 95 Resp: 538291

Ion Ratio Lower Upper

95 100

174 99.8 0.0 180.6

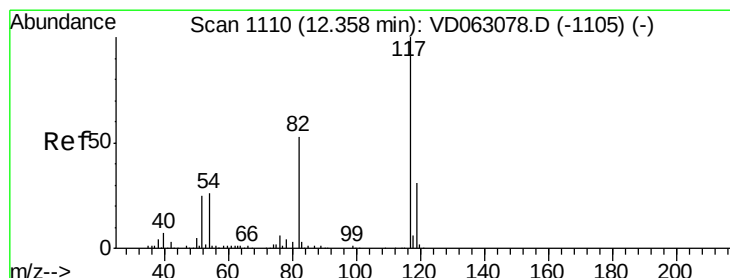
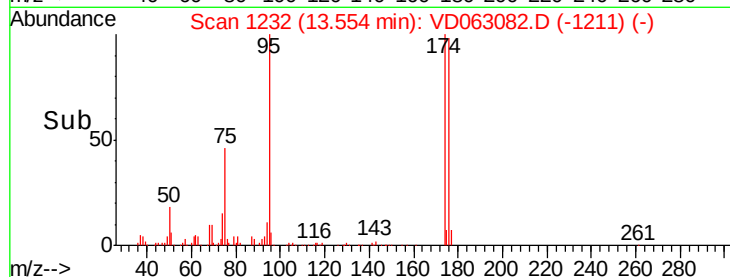
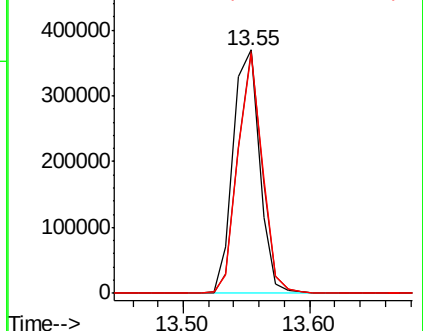
176 98.3 0.0 172.2



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# 1111

Delta R.T. 0.00 min

Lab File: VD063082.D

Acq: 15 Jul 2019 16:00

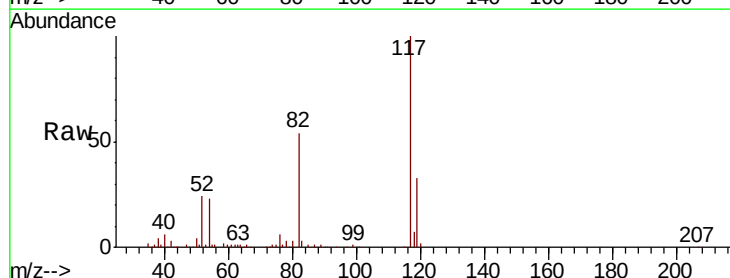
Tgt Ion: 117 Resp: 903498

Ion Ratio Lower Upper

117 100

82 54.2 42.3 63.5

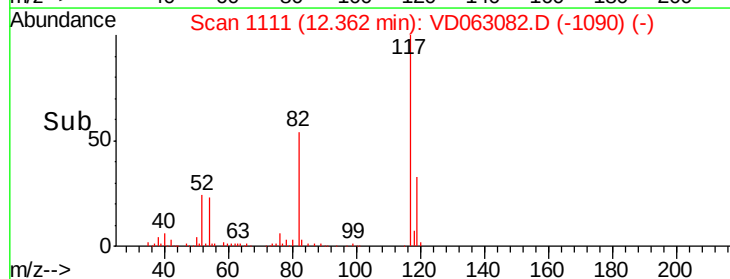
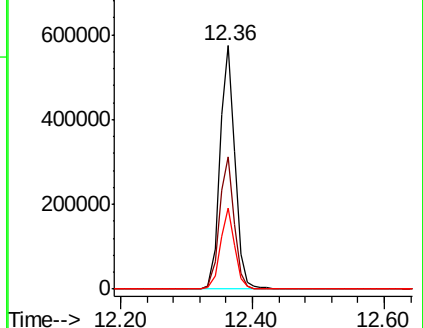
119 33.1 25.2 37.8

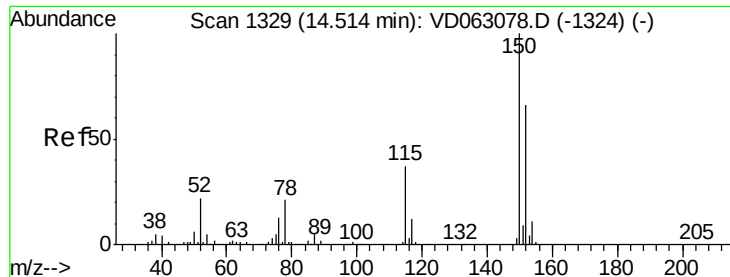


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



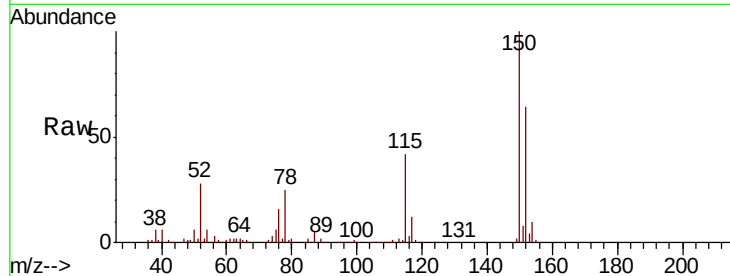


#72

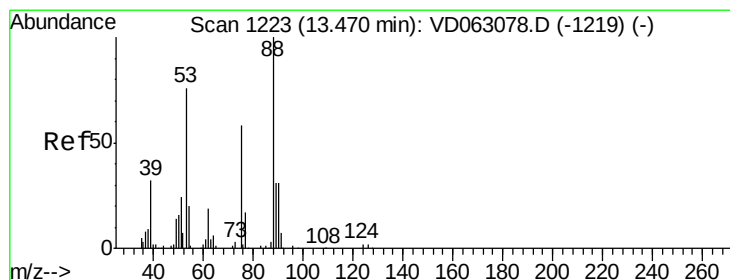
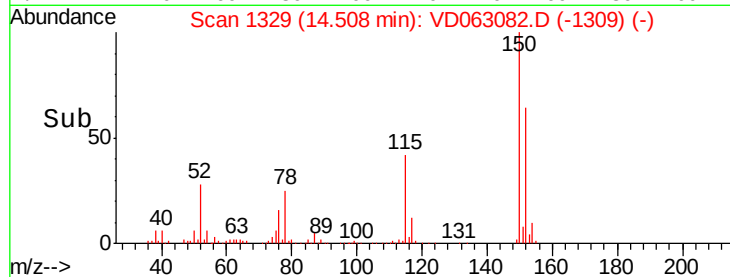
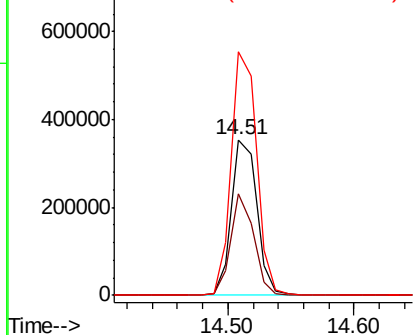
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063082.D
Acq: 15 Jul 2019 16:00

Instrument :
MSVOA_D
ClientSampleId :
VD0715SBL01

Tot Ion	Ratio	Lower	Upper
152	100		
115	65.6	28.9	86.8
150	156.5	0.0	313.8



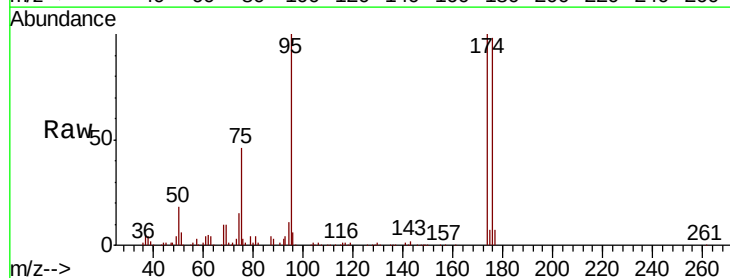
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 128.523 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.08 min
Lab File: VD063082.D
Acq: 15 Jul 2019 16:00

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	104.4	156.6#
89	0.0	43.1	64.7#



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

