

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\
 Data File : VD063250.D
 Acq On : 30 Jul 2019 19:06
 Operator : VA/AP
 Sample : K4049-06RE
 Misc : 5.24g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-6

Quant Time: Jul 31 04:57:27 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	7.04	168	884084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1181292	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	880160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	324333	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	400090	40.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.56%	
35) Dibromofluoromethane	6.92	113	356003	35.30	ug/l	0.01
Spiked Amount	50.000		Recovery	=	70.60%	
50) Toluene-d8	10.40	98	791071	35.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.10%	
62) 4-Bromofluorobenzene	13.55	95	283705	27.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	55.16%	

Target Compounds

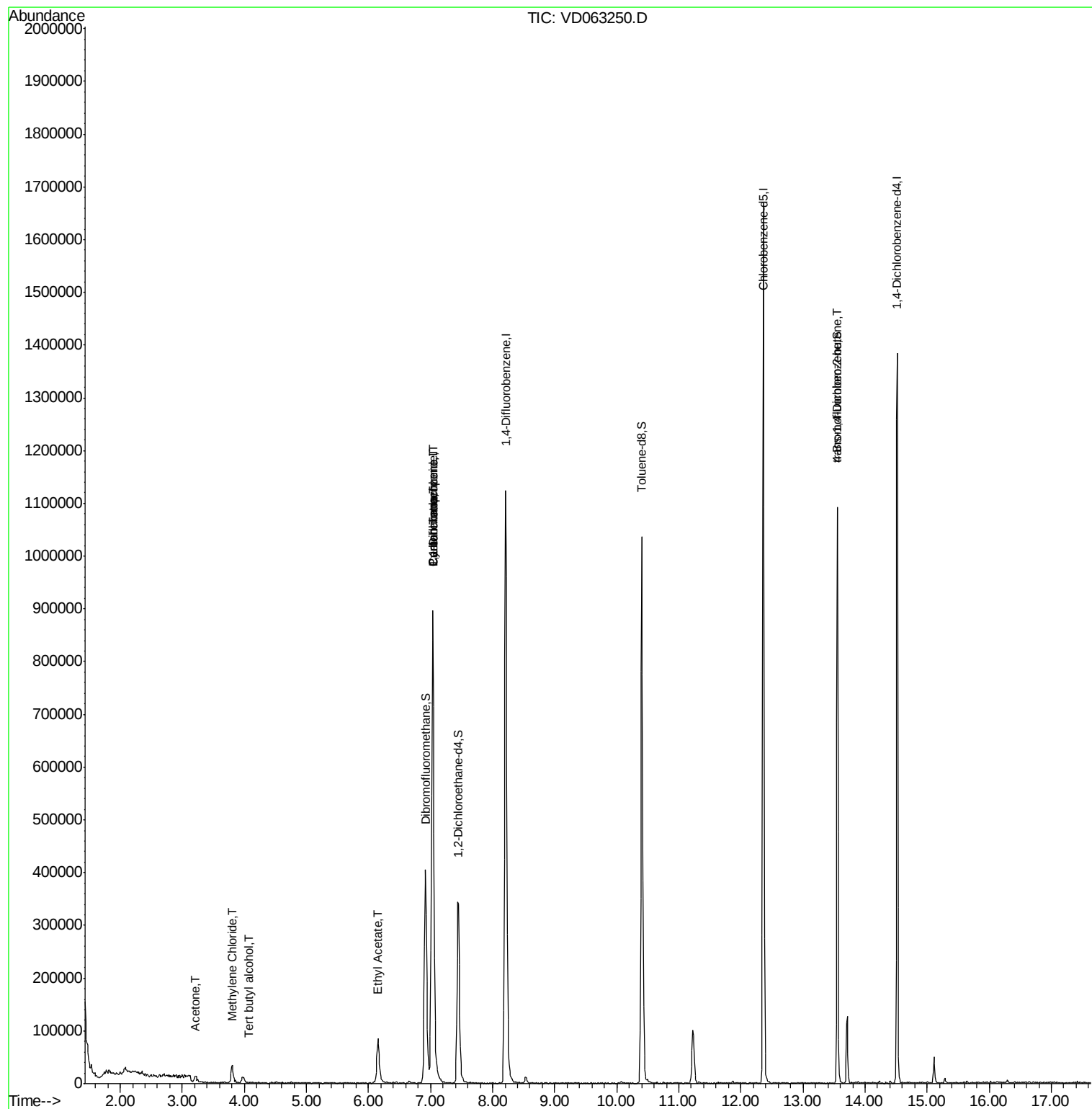
						Qvalue
11) Tert butyl alcohol	4.07	59	1478	3.433	ug/l #	69
16) Acetone	3.21	43	23401	12.243	ug/l	96
20) Methylene Chloride	3.81	84	19544	2.530	ug/l #	78
31) Cyclohexane	7.04	56	18338	2.099	ug/l #	10
36) 1,1-Dichloropropene	7.03	75	66271	6.147	ug/l #	54
37) Ethyl Acetate	6.16	43	7245	1.496	ug/l #	73
38) Carbon Tetrachloride	7.03	117	89666	5.525	ug/l #	14
81) trans-1,4-Dichloro-2-buten	13.55	75	131460	121.526	ug/l #	3

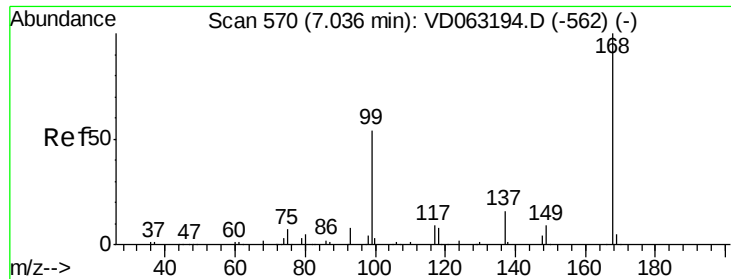
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063250.D

Acq: 30 Jul 2019 19:06

Instrument :

MSVOA_D

ClientSampleId :

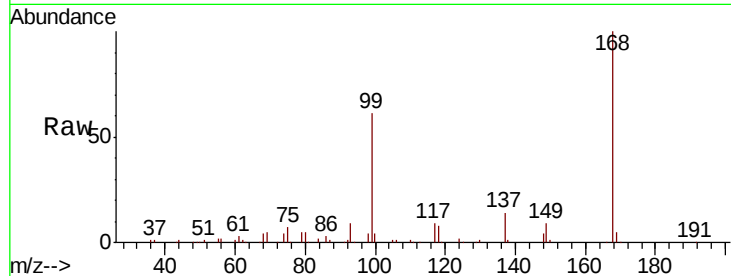
SP-6

Tot Ion:168 Resp: 884084

Ion Ratio Lower Upper

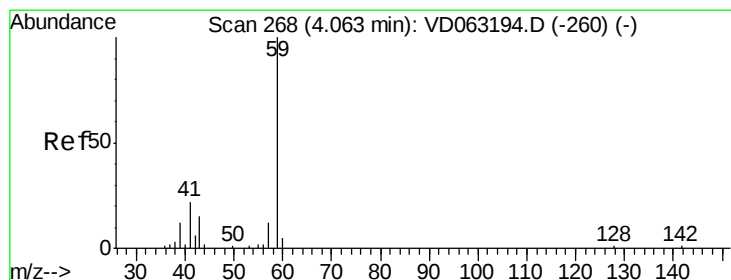
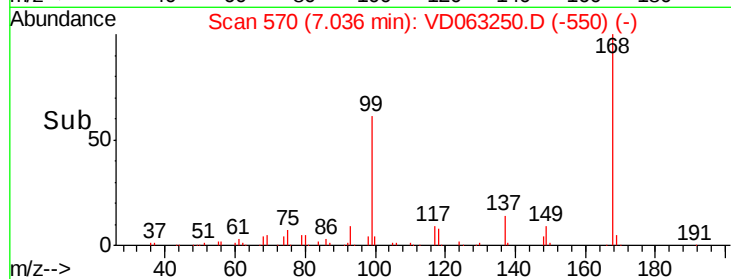
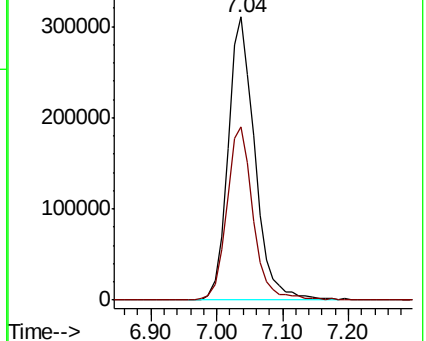
168 100

99 61.2 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 3.433 ug/l

RT: 4.07 min Scan# 269

Delta R.T. 0.01 min

Lab File: VD063250.D

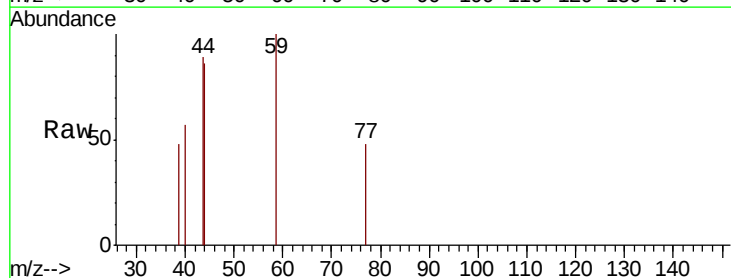
Acq: 30 Jul 2019 19:06

Tgt Ion: 59 Resp: 1478

Ion Ratio Lower Upper

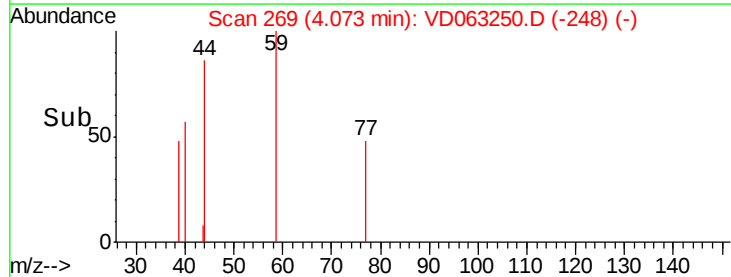
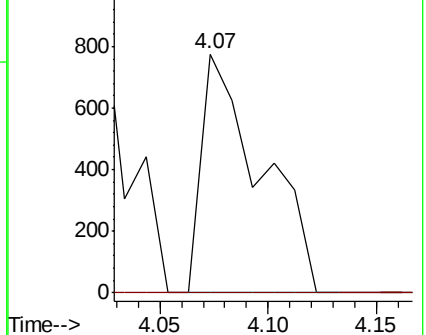
59 100

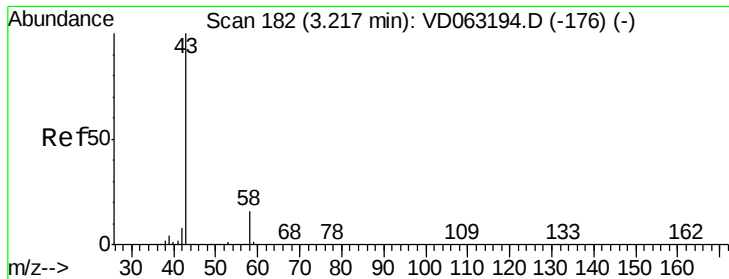
57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 12.243 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063250.D

Acq: 30 Jul 2019 19:06

Instrument :

MSVOA_D

ClientSampleId :

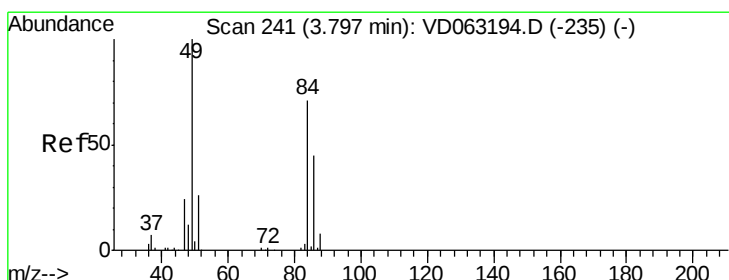
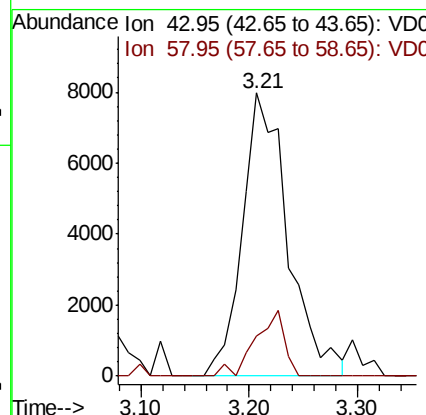
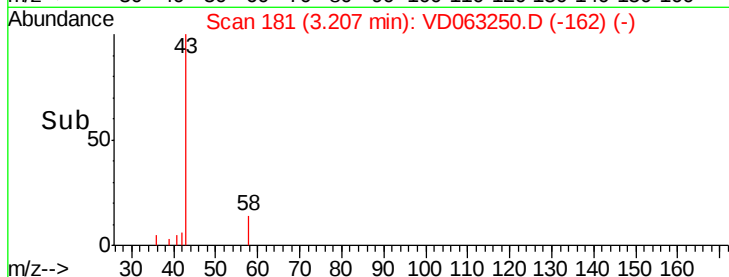
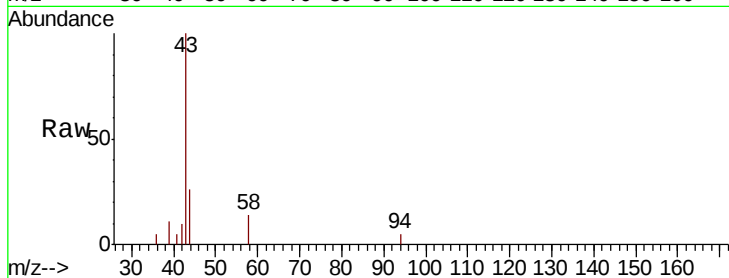
SP-6

Tot Ion: 43 Resp: 23401

Ion Ratio Lower Upper

43 100

58 14.4 13.0 19.4



#20

Methylene Chloride

Concen: 2.530 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD063250.D

Acq: 30 Jul 2019 19:06

Tgt Ion: 84 Resp: 19544

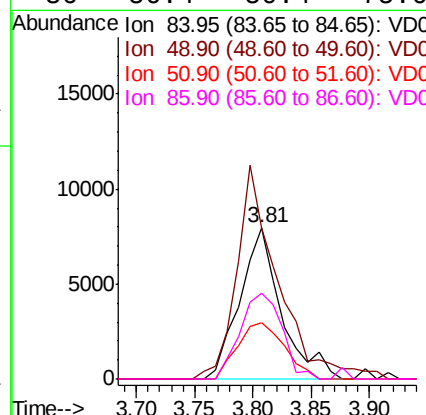
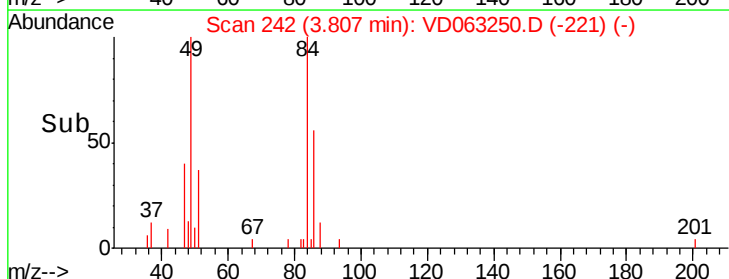
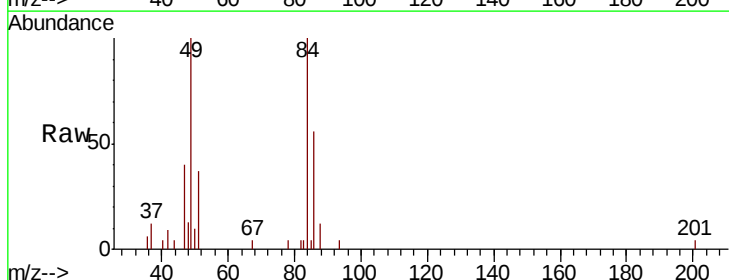
Ion Ratio Lower Upper

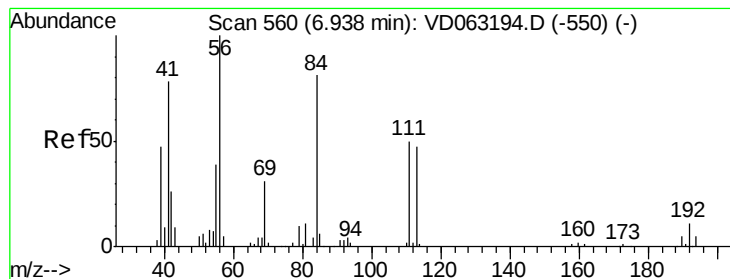
84 100

49 99.7 112.5 168.7#

51 37.1 29.6 44.4

86 56.4 50.4 75.6





#31

Cyclohexane

Concen: 2.099 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.10 min

Lab File: VD063250.D

Acq: 30 Jul 2019 19:06

Instrument :

MSVOA_D

ClientSampleId :

SP-6

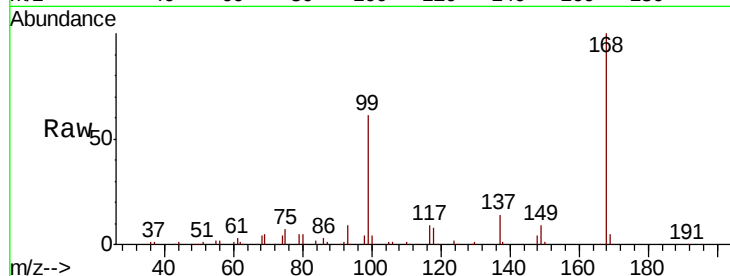
Tot Ion: 56 Resp: 18338

Ion Ratio Lower Upper

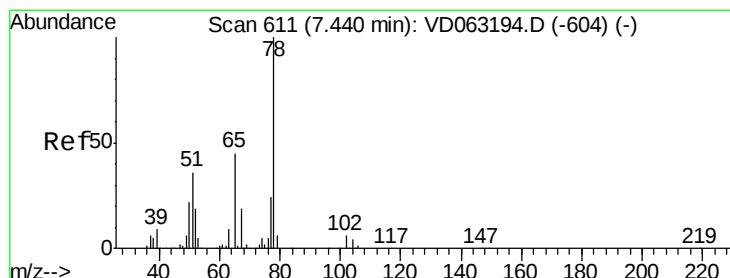
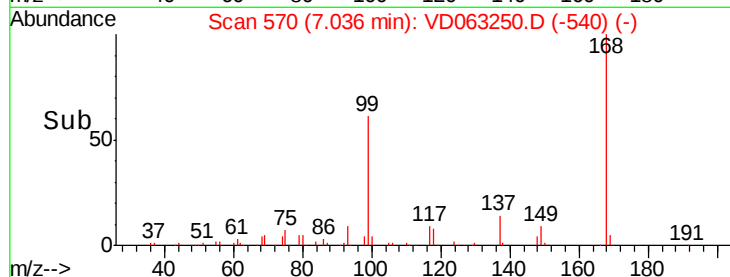
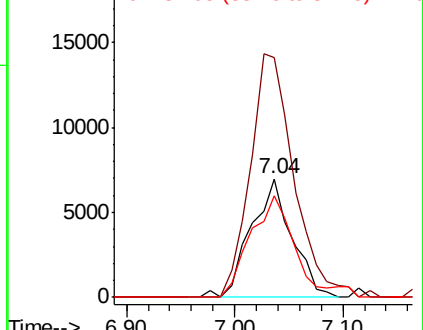
56 100

69 202.4 24.5 36.7#

84 86.0 64.9 97.3



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: 40.785 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.00 min

Lab File: VD063250.D

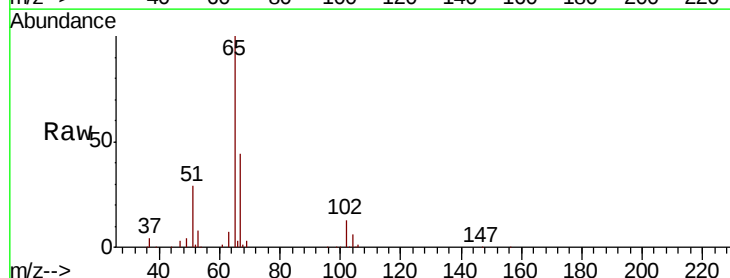
Acq: 30 Jul 2019 19:06

Tgt Ion: 65 Resp: 400090

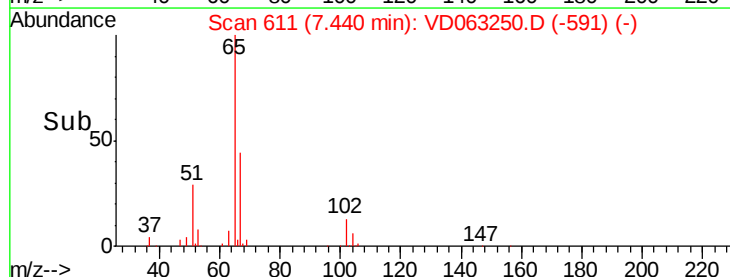
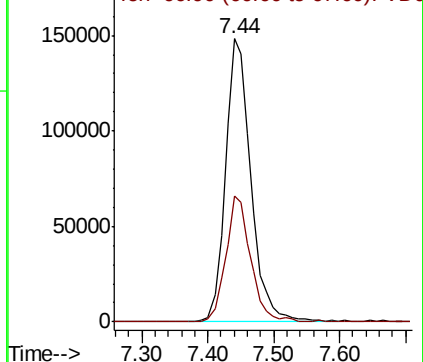
Ion Ratio Lower Upper

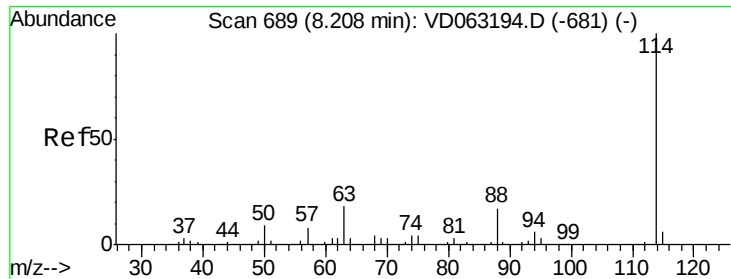
65 100

67 44.4 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

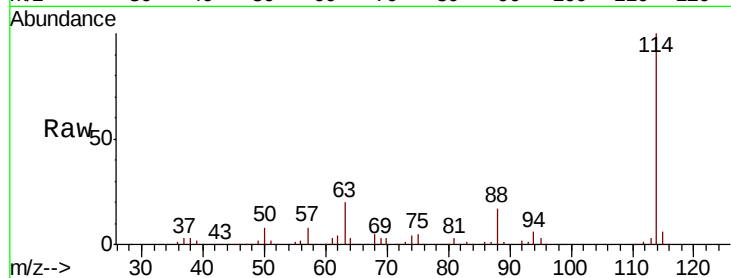




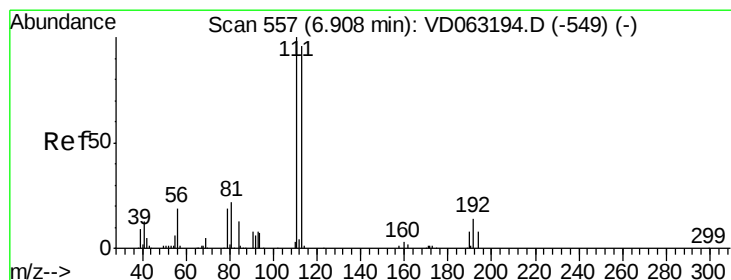
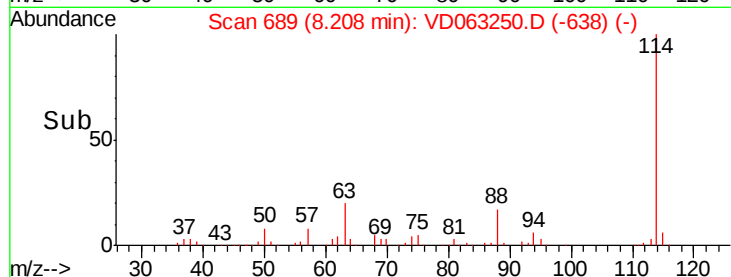
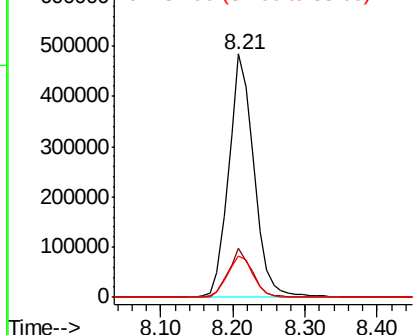
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VD063250.D
 Acq: 30 Jul 2019 19:06

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-6

Tot Ion:114 Resp: 1181292
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 35.2
 88 16.9 0.0 34.6

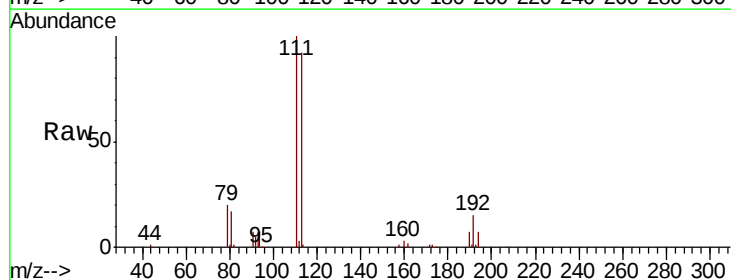


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

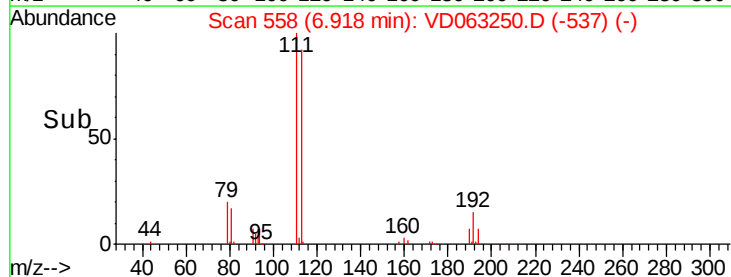
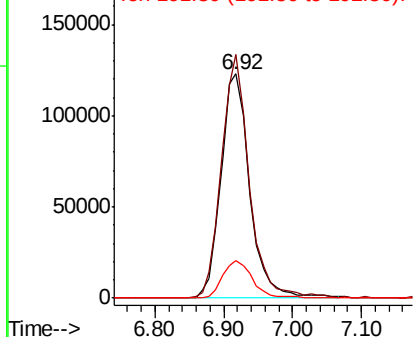


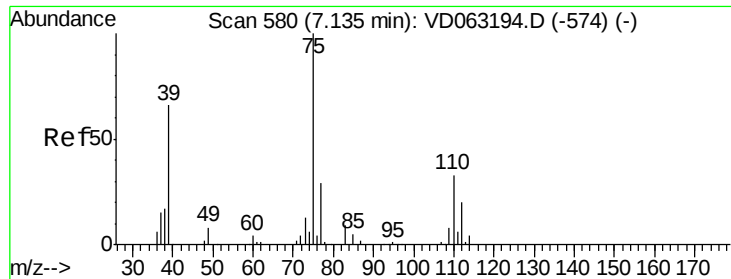
#35
 Dibromofluoromethane
 Concen: 35.298 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD063250.D
 Acq: 30 Jul 2019 19:06

Tgt Ion:113 Resp: 356003
 Ion Ratio Lower Upper
 113 100
 111 108.7 83.2 124.8
 192 16.8 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

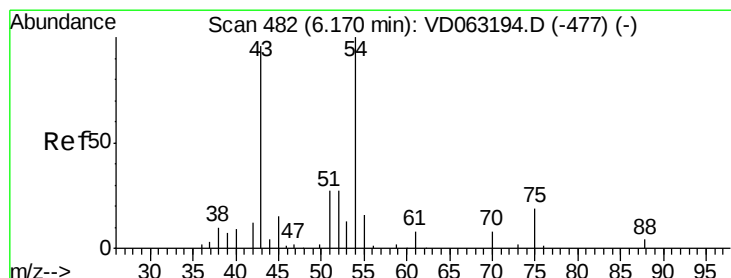
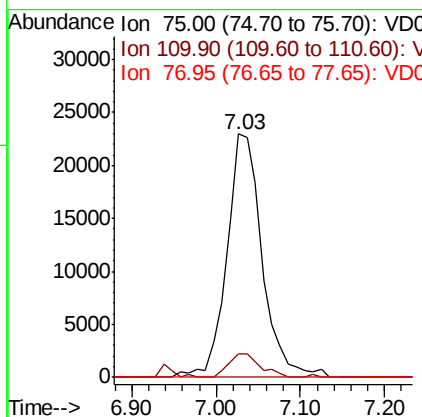
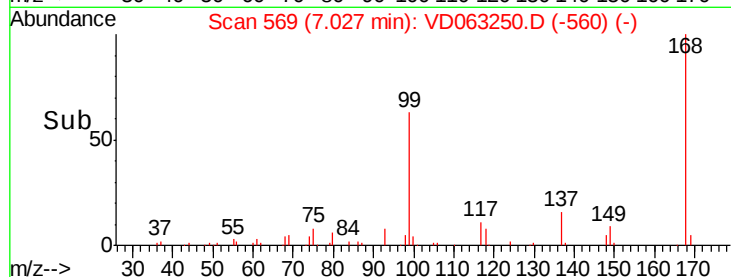
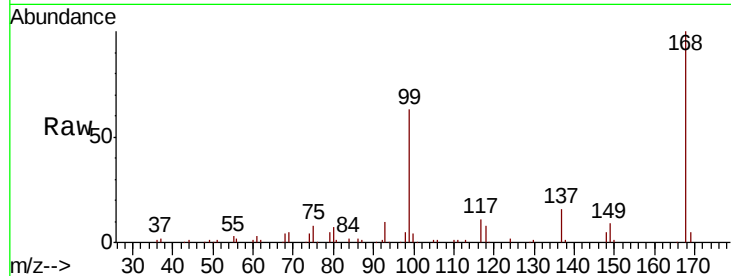




#36
 1,1-Dichloropropene
 Concen: 6.147 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.11 min
 Lab File: VD063250.D
 Acq: 30 Jul 2019 19:06

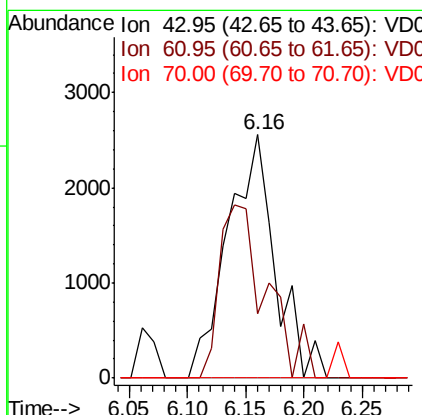
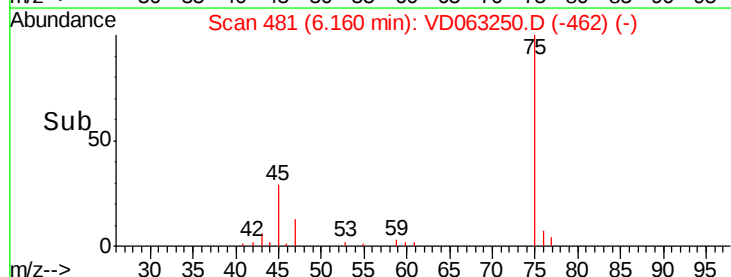
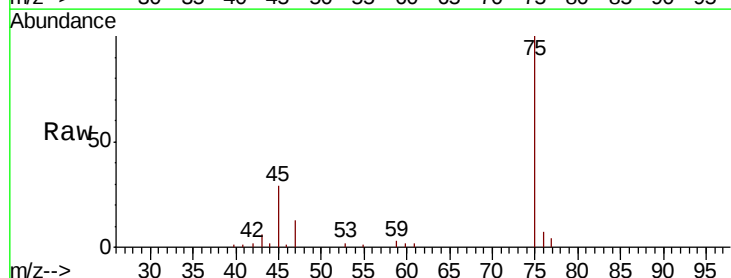
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-6

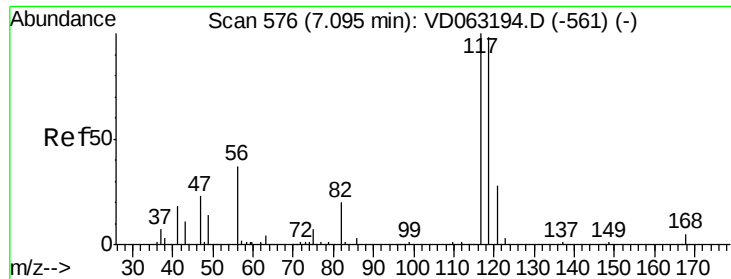
Tot Ion: 75 Resp: 66271
 Ion Ratio Lower Upper
 75 100
 110 9.7 16.1 48.2#
 77 0.0 22.7 34.1#



#37
 Ethyl Acetate
 Concen: 1.496 ug/l
 RT: 6.16 min Scan# 481
 Delta R.T. -0.01 min
 Lab File: VD063250.D
 Acq: 30 Jul 2019 19:06

Tgt Ion: 43 Resp: 7245
 Ion Ratio Lower Upper
 43 100
 61 26.4 11.3 16.9#
 70 0.0 5.1 7.7#





#38

Carbon Tetrachloride

Concen: 5.525 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.07 min

Lab File: VD063250.D

Acq: 30 Jul 2019 19:06

Instrument :

MSVOA_D

ClientSampleId :

SP-6

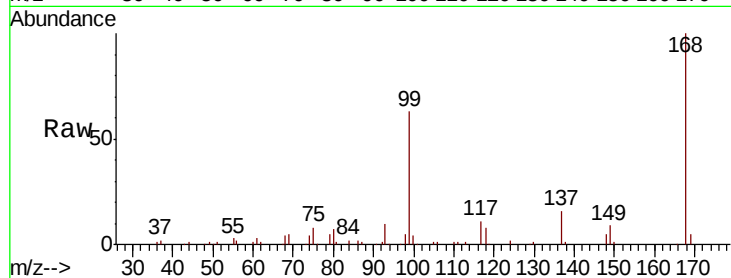
Tot Ion:117 Resp: 89666

Ion Ratio Lower Upper

117 100

119 4.0 78.2 117.2#

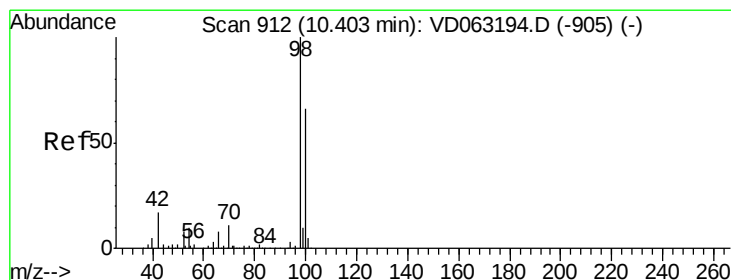
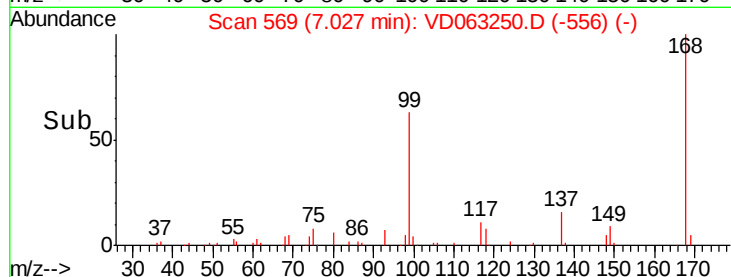
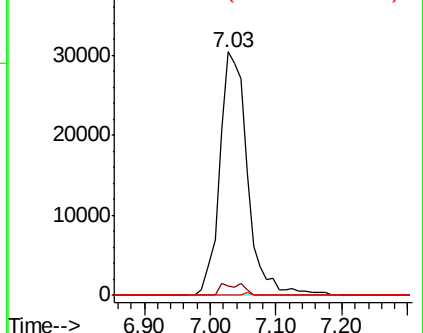
121 0.0 22.1 33.1#



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: 35.047 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.00 min

Lab File: VD063250.D

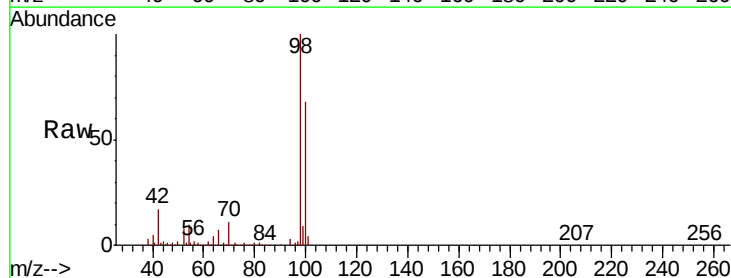
Acq: 30 Jul 2019 19:06

Tgt Ion: 98 Resp: 791071

Ion Ratio Lower Upper

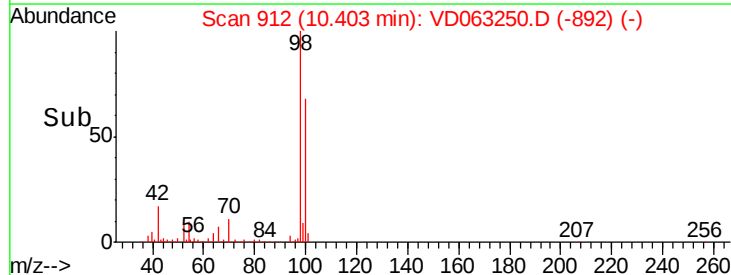
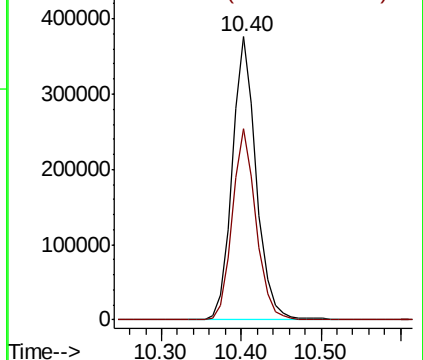
98 100

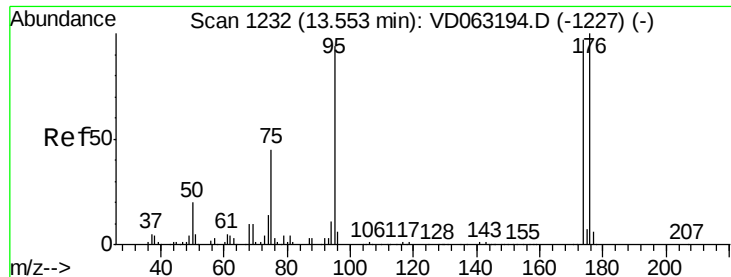
100 67.8 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 27.582 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD063250.D

Acq: 30 Jul 2019 19:06

Instrument :

MSVOA_D

ClientSampled :

SP-6

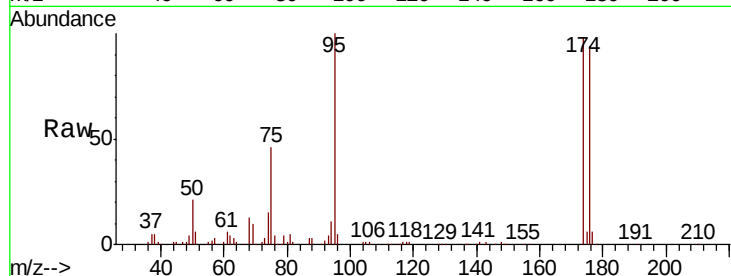
Tot Ion: 95 Resp: 283705

Ion Ratio Lower Upper

95 100

174 97.7 0.0 205.4

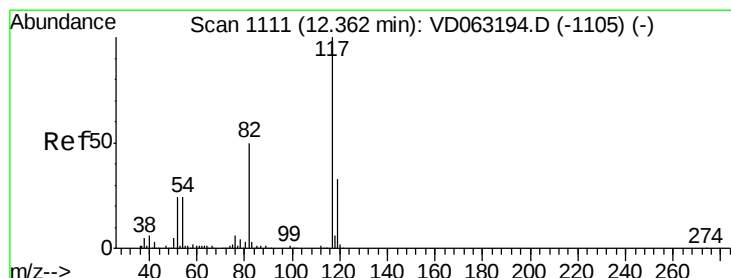
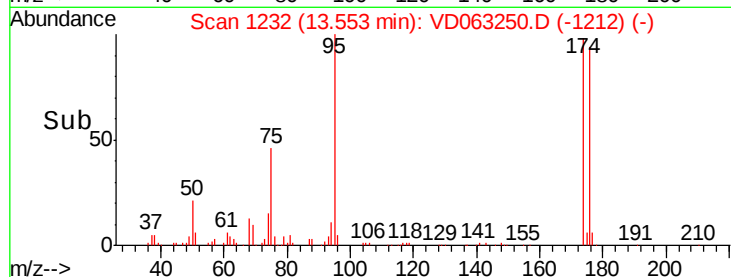
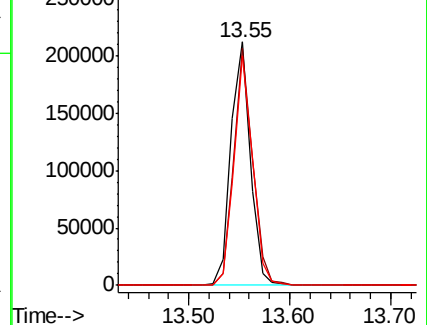
176 94.2 0.0 211.8



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# 1111

Delta R.T. 0.00 min

Lab File: VD063250.D

Acq: 30 Jul 2019 19:06

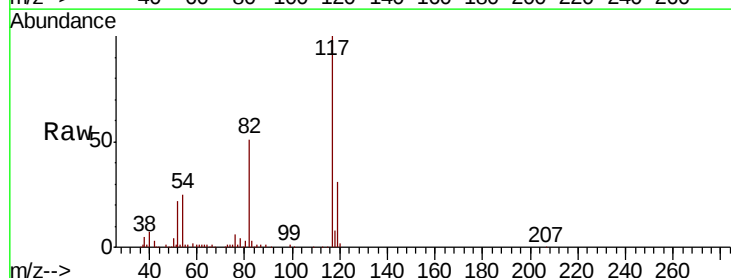
Tgt Ion: 117 Resp: 880160

Ion Ratio Lower Upper

117 100

82 50.6 40.1 60.1

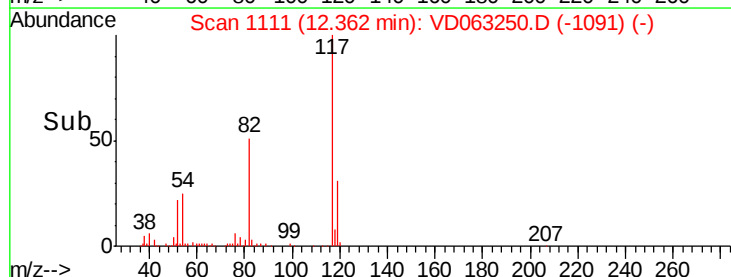
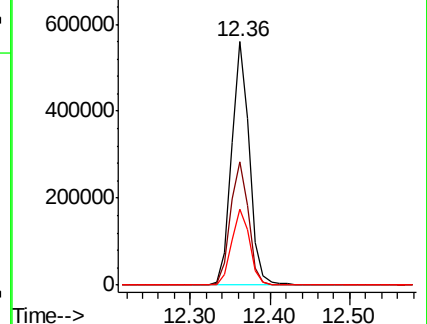
119 31.3 26.5 39.7

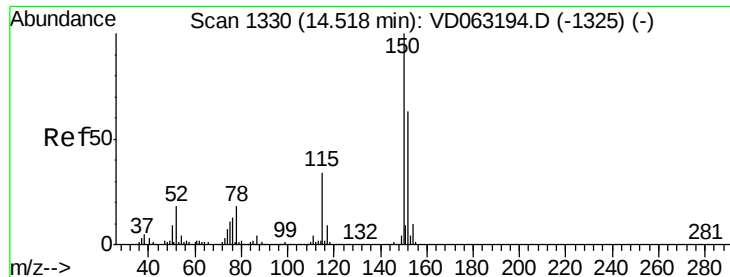


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD063250.D

Acq: 30 Jul 2019 19:06

Instrument :

MSVOA_D

ClientSampleId :

SP-6

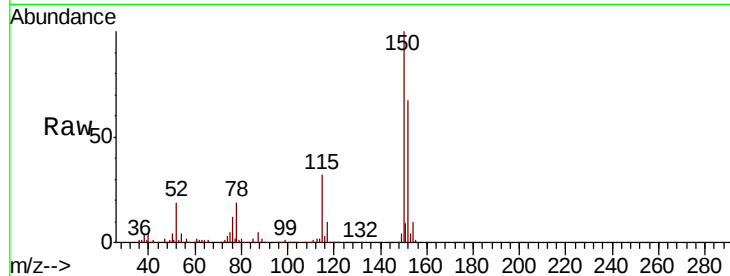
Tot Ion:152 Resp: 324333

Ion Ratio Lower Upper

152 100

115 48.0 27.5 82.4

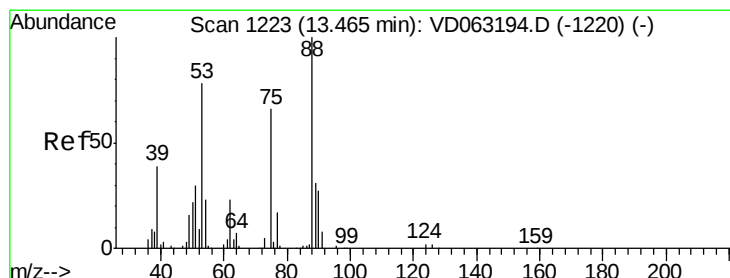
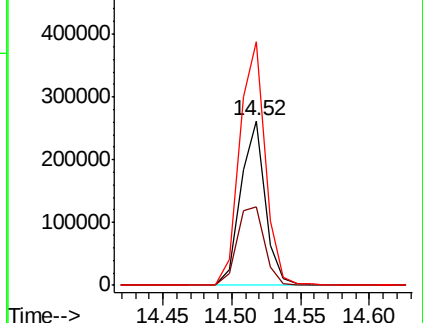
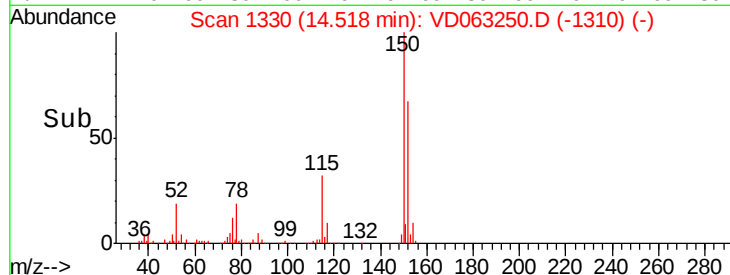
150 148.3 0.0 320.6



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: 121.526 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063250.D

Acq: 30 Jul 2019 19:06

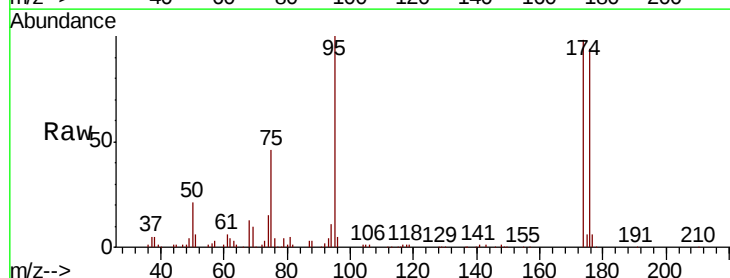
Tgt Ion: 75 Resp: 131460

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): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

