

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051519\
 Data File : VD062406.D
 Acq On : 15 May 2019 23:36
 Operator : FY/SY
 Sample : K2637-03
 Misc : 4.80g/5mL/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 16 04:00:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	500378	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	712864	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	525467	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	218350	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	230012	49.46	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	98.92%	
35) Dibromofluoromethane	6.92	113	243751	41.21	ug/l	0.03
Spiked Amount				50.000		
			Recovery	=	82.42%	
50) Toluene-d8	10.42	98	552550	38.75	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	77.50%	
62) 4-Bromofluorobenzene	13.56	95	200720	35.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	70.10%	

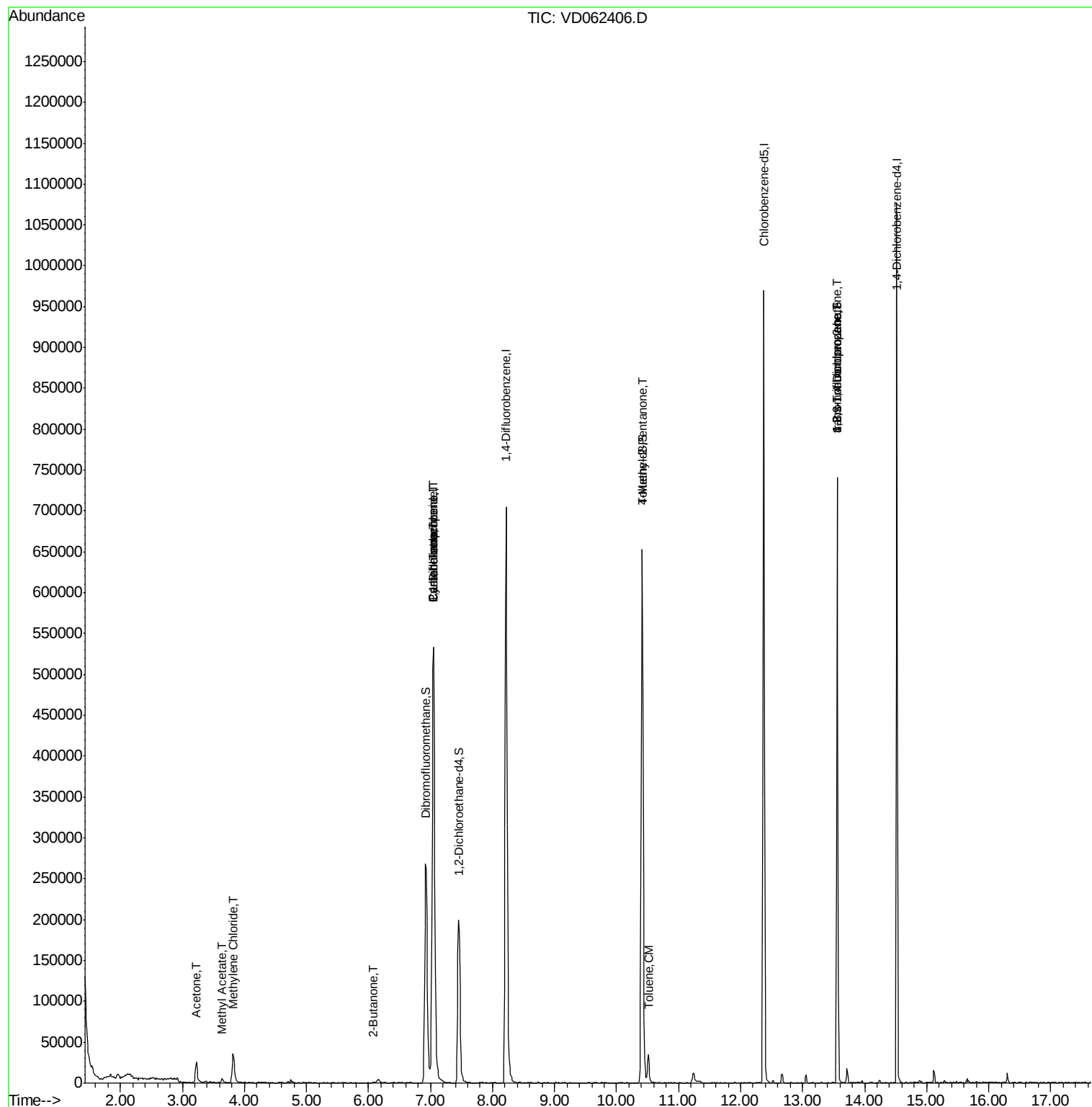
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.22	43	49212	50.465	ug/l #	81
18) Methyl Acetate	3.64	43	8054	4.341	ug/l #	89
20) Methylene Chloride	3.81	84	22018	5.408	ug/l #	82
25) 2-Butanone	6.08	43	2557	2.404	ug/l #	56
31) Cyclohexane	7.04	56	10460	2.144	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	42249	7.228	ug/l #	47
38) Carbon Tetrachloride	7.05	117	52195	6.452	ug/l #	17
51) 4-Methyl-2-Pentanone	10.42	43	3265	1.445	ug/l #	1
52) Toluene	10.51	92	15861	1.847	ug/l	79
76) 1,2,3-Trichloropropane	13.56	75	70750	27.265	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.56	75	89463	122.124	ug/l #	16

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD062406.D

Acq: 15 May 2019 23:36

Instrument :

MSVOA_D

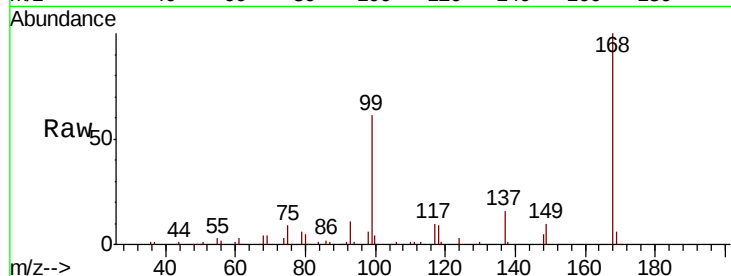
ClientSampleId :

Tot Ion:168 Resp: 500378

Ion Ratio Lower Upper

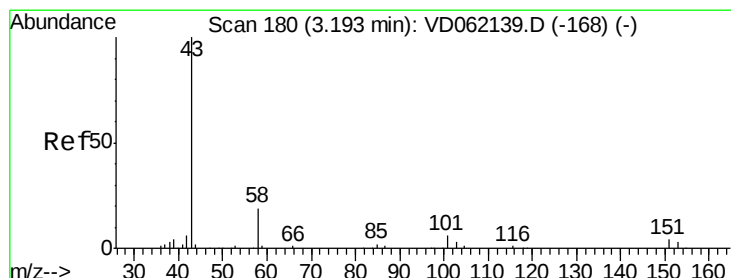
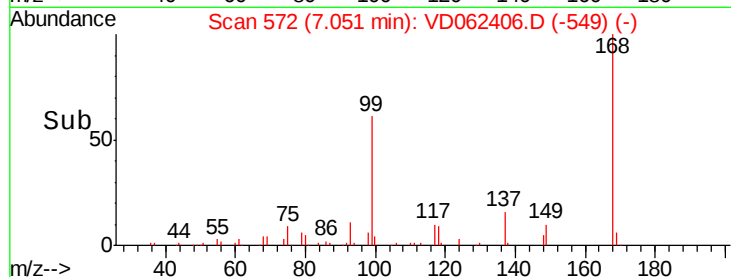
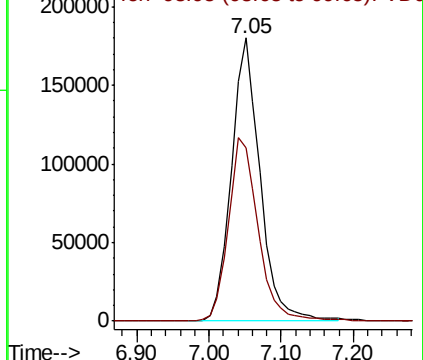
168 100

99 61.3 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 50.465 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062406.D

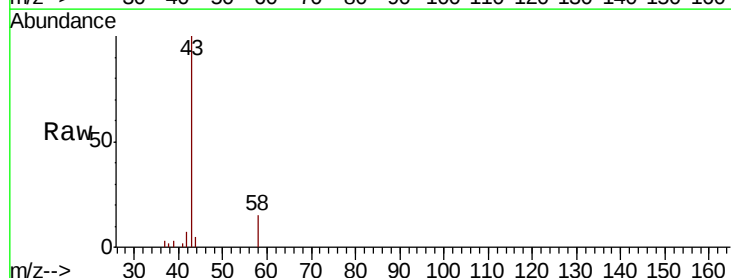
Acq: 15 May 2019 23:36

Tgt Ion: 43 Resp: 49212

Ion Ratio Lower Upper

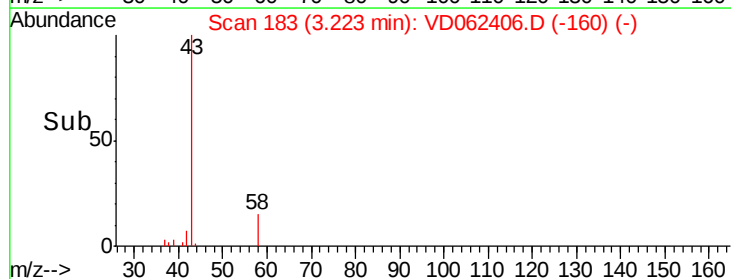
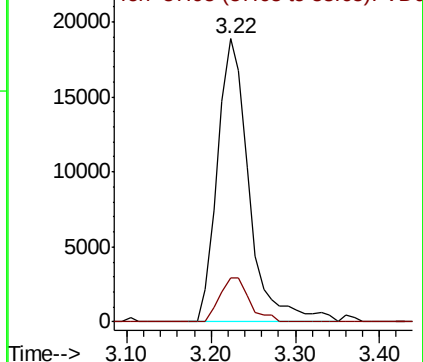
43 100

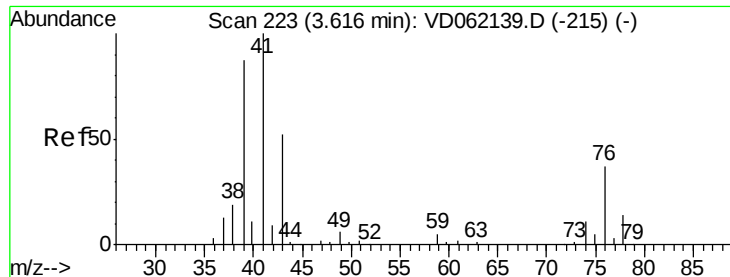
58 15.4 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

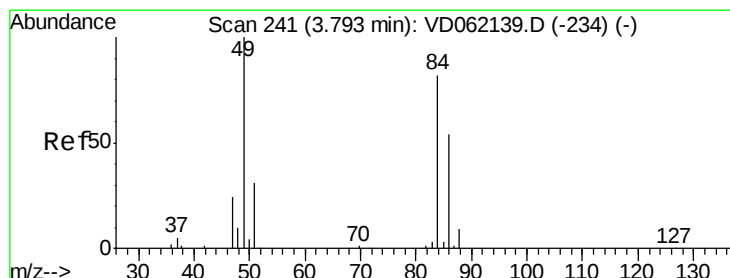
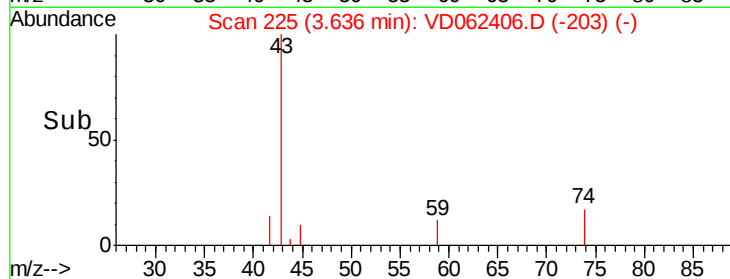
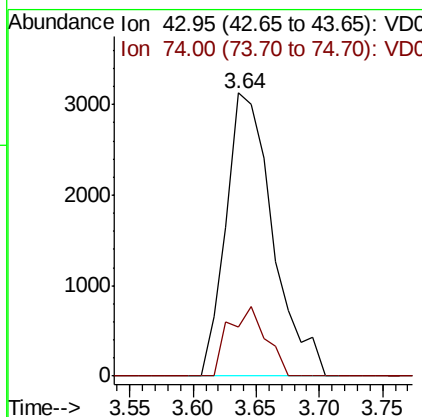
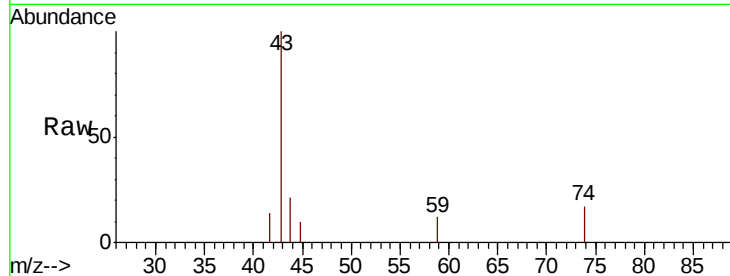




#18
Methyl Acetate
Concen: 4.341 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.02 min
Lab File: VD062406.D
Acq: 15 May 2019 23:36

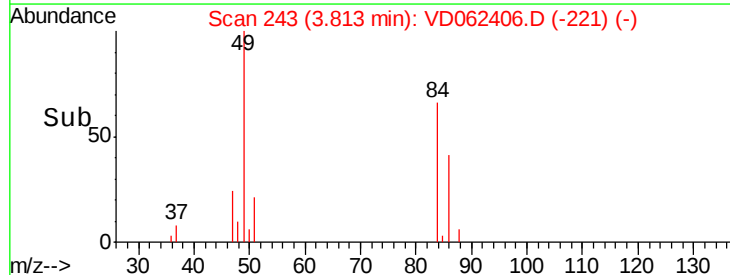
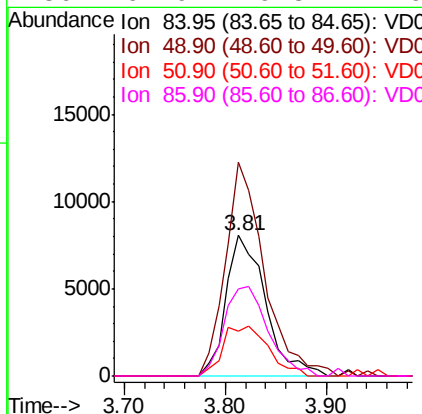
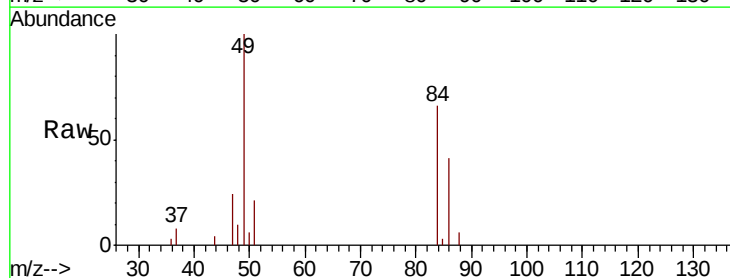
Instrument :
MSVOA_D
ClientSampleId :

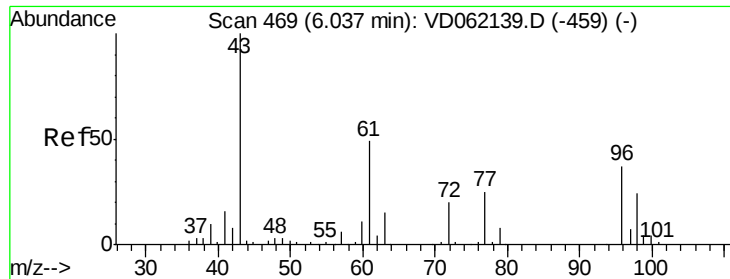
Tot Ion: 43 Resp: 8054
Ion Ratio Lower Upper
43 100
74 17.3 18.0 27.0#



#20
Methylene Chloride
Concen: 5.408 ug/l
RT: 3.81 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD062406.D
Acq: 15 May 2019 23:36

Tgt Ion: 84 Resp: 22018
Ion Ratio Lower Upper
84 100
49 151.8 94.0 141.0#
51 31.8 29.0 43.4
86 61.9 49.8 74.6





#25

2-Butanone

Concen: 2.404 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.04 min

Lab File: VD062406.D

Acq: 15 May 2019 23:36

Instrument :

MSVOA_D

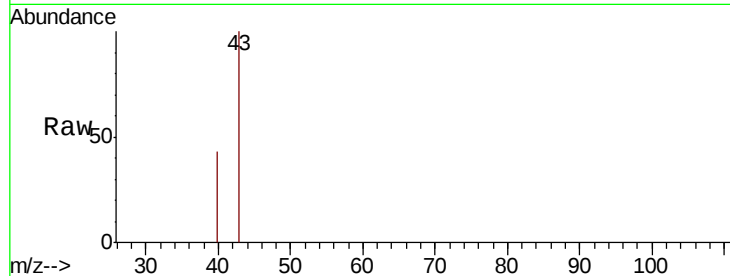
ClientSampleId :

Tot Ion: 43 Resp: 2557

Ion Ratio Lower Upper

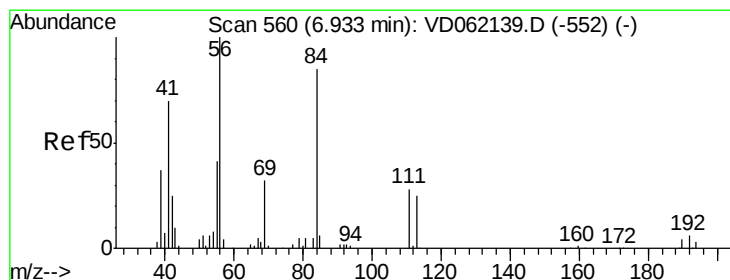
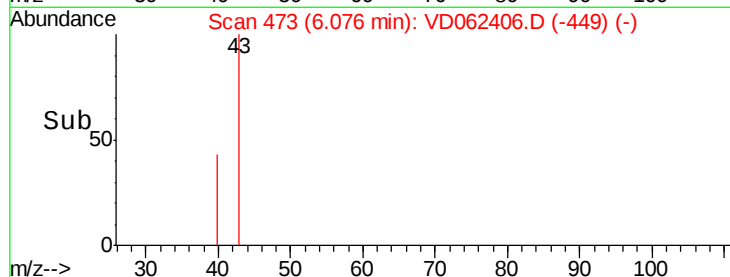
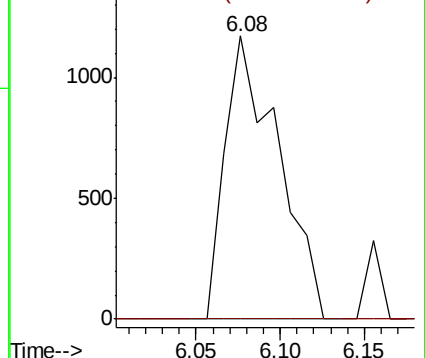
43 100

72 0.0 16.2 24.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 2.144 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.11 min

Lab File: VD062406.D

Acq: 15 May 2019 23:36

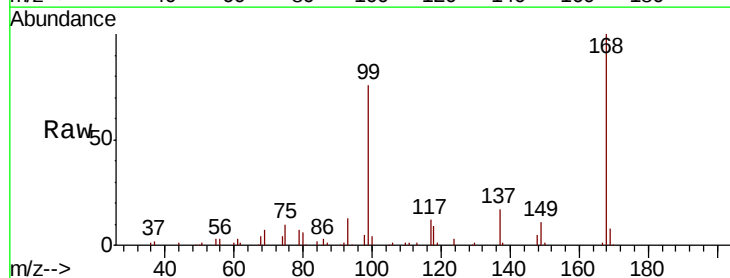
Tgt Ion: 56 Resp: 10460

Ion Ratio Lower Upper

56 100

69 228.6 25.8 38.6#

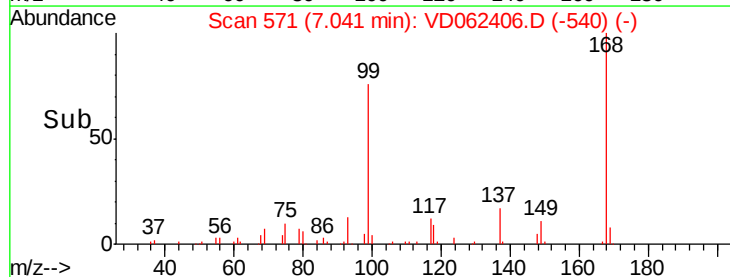
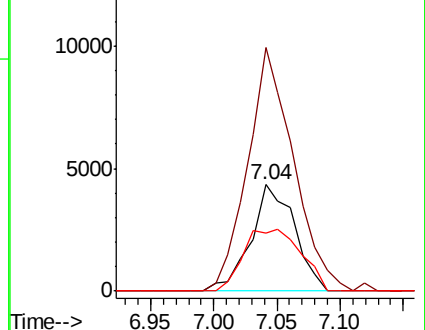
84 54.8 72.2 108.4#



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: 49.464 ug/l

RT: 7.45 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD062406.D

Acq: 15 May 2019 23:36

Instrument :

MSVOA_D

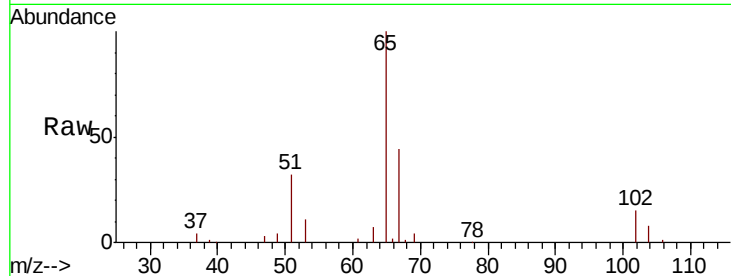
ClientSampleId :

Tot Ion: 65 Resp: 230012

Ion Ratio Lower Upper

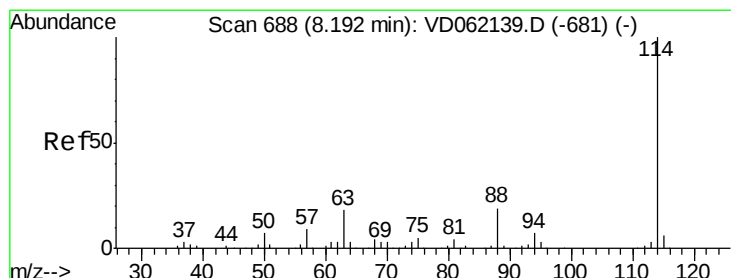
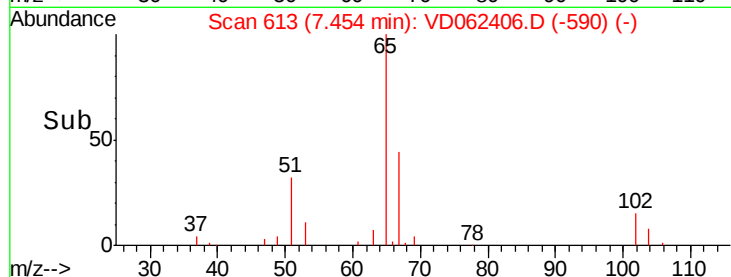
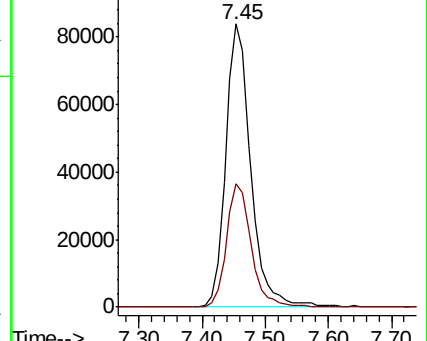
65 100

67 43.8 0.0 98.0



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: 8.22 min Scan# 691

Delta R.T. 0.03 min

Lab File: VD062406.D

Acq: 15 May 2019 23:36

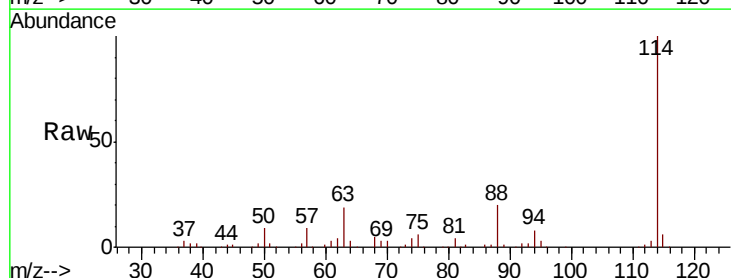
Tgt Ion: 114 Resp: 712864

Ion Ratio Lower Upper

114 100

63 18.8 0.0 32.4

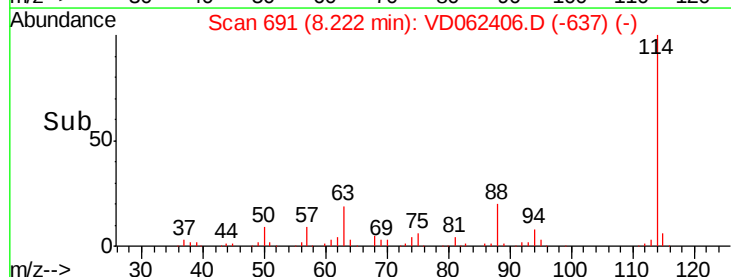
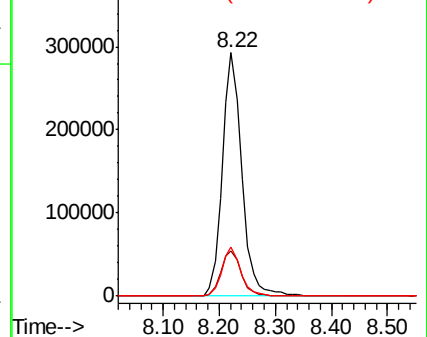
88 20.0 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 41.211 ug/l

RT: 6.92 min Scan# 559

Delta R.T. 0.03 min

Lab File: VD062406.D

Acq: 15 May 2019 23:36

Instrument :
MSVOA_D
ClientSampled :

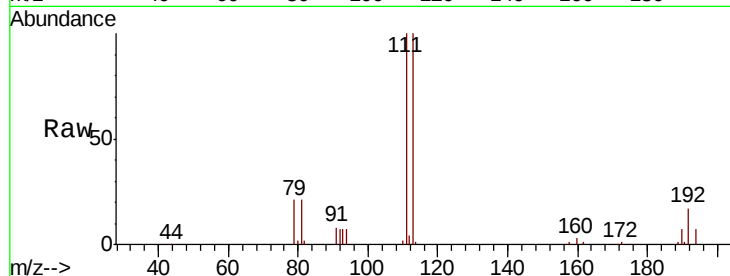
Tot Ion:113 Resp: 243751

Ion Ratio Lower Upper

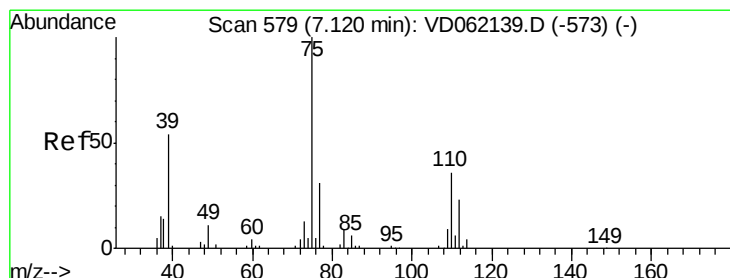
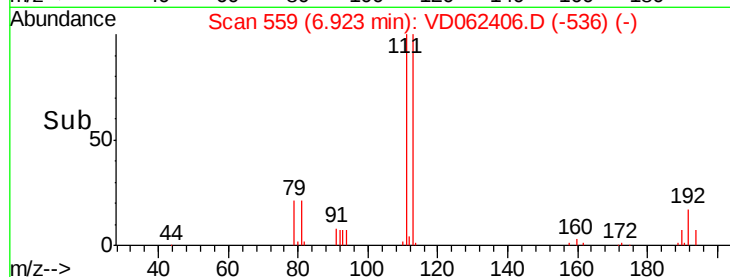
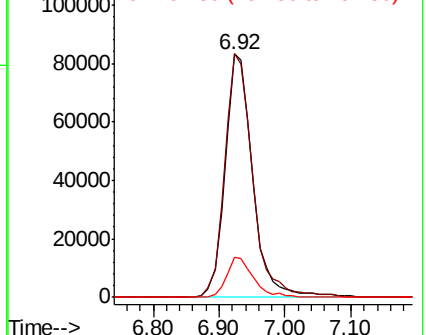
113 100

111 100.2 78.5 117.7

192 16.6 13.0 19.4



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: 7.228 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD062406.D

Acq: 15 May 2019 23:36

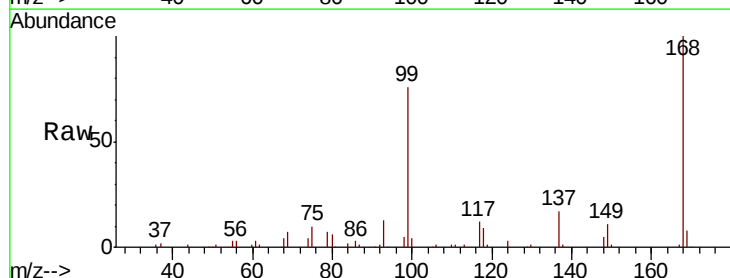
Tgt Ion: 75 Resp: 42249

Ion Ratio Lower Upper

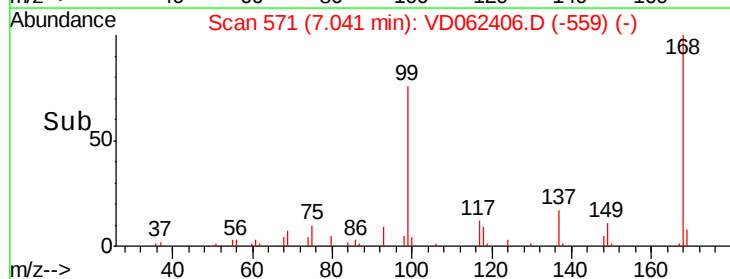
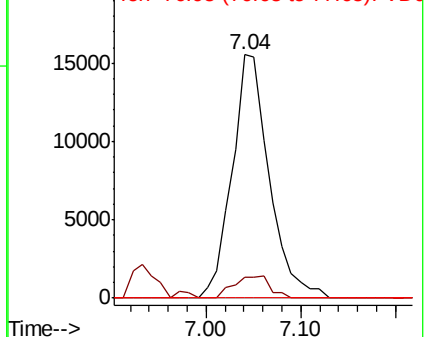
75 100

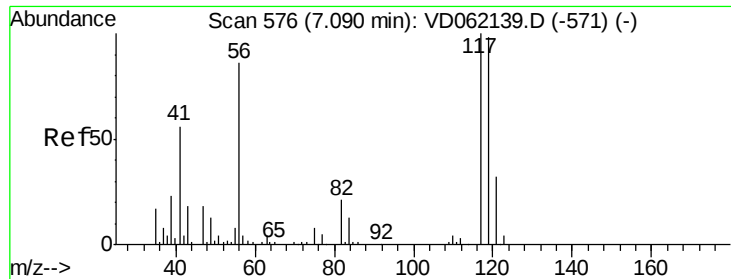
110 8.7 19.1 57.1#

77 0.0 25.6 38.4#



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

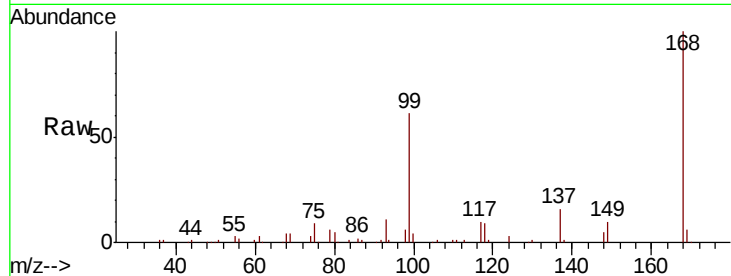




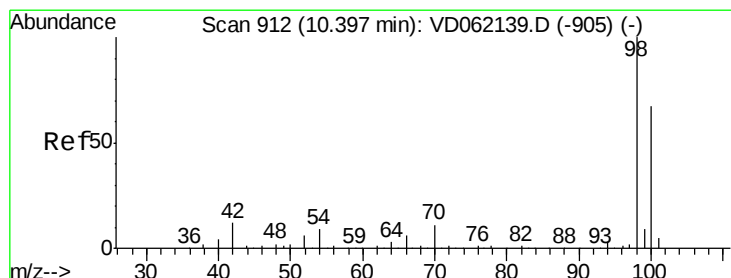
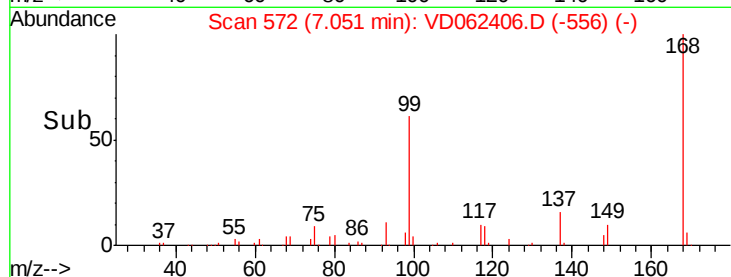
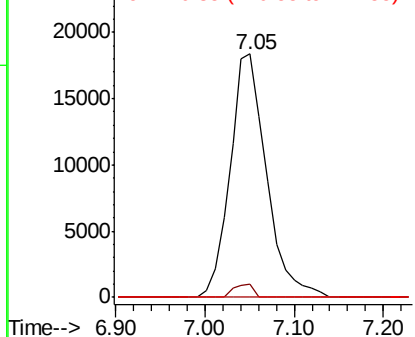
#38
Carbon Tetrachloride
Concen: 6.452 ug/l
RT: 7.05 min Scan# 572
Delta R.T. -0.04 min
Lab File: VD062406.D
Acq: 15 May 2019 23:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 52195
Ion Ratio Lower Upper
117 100
119 5.6 75.8 113.8#
121 0.0 25.9 38.9#

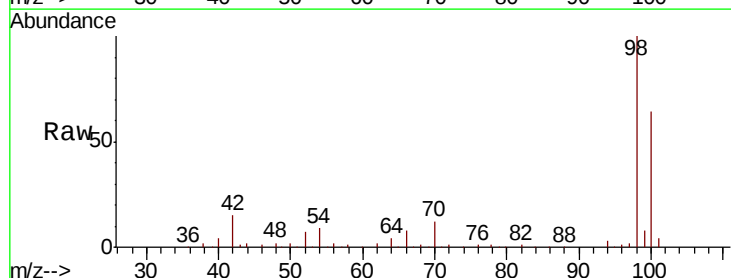


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

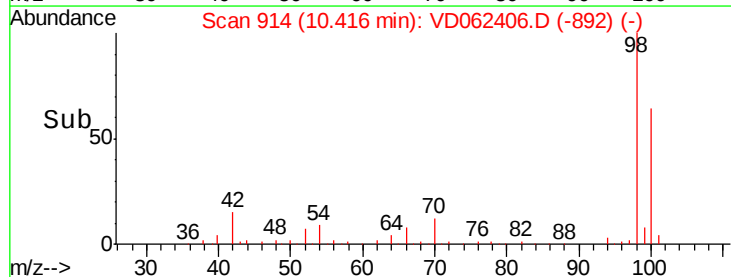
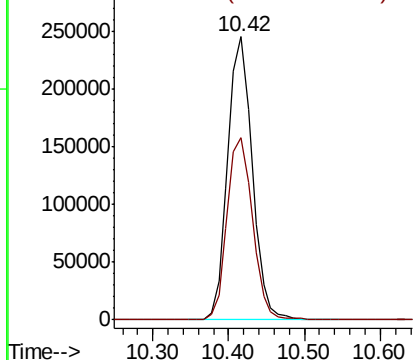


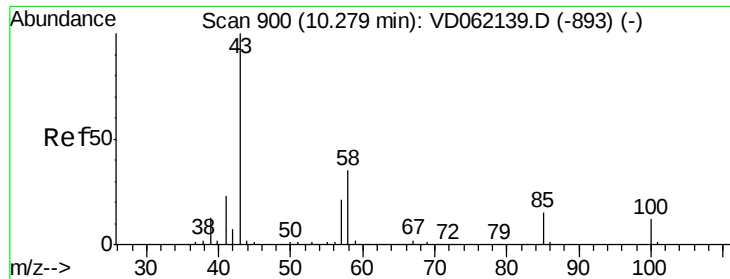
#50
Toluene-d8
Concen: 38.746 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD062406.D
Acq: 15 May 2019 23:36

Tgt Ion: 98 Resp: 552550
Ion Ratio Lower Upper
98 100
100 64.5 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 1.445 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.14 min

Lab File: VD062406.D

Acq: 15 May 2019 23:36

Instrument :

MSVOA_D

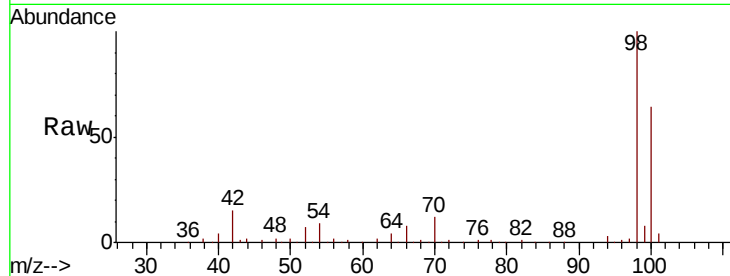
ClientSampleId :

Tot Ion: 43 Resp: 3265

Ion Ratio Lower Upper

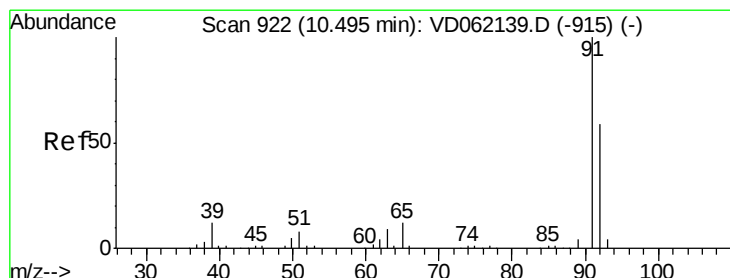
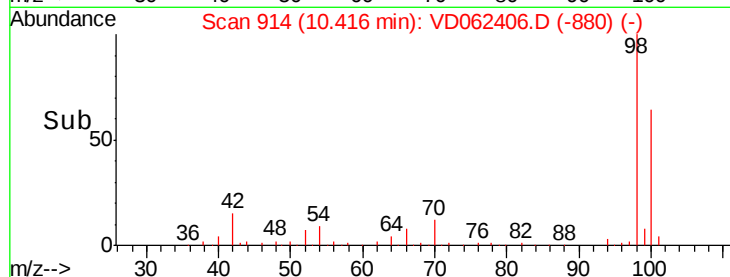
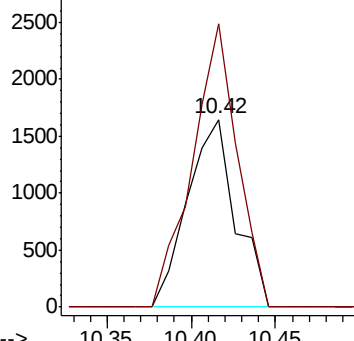
43 100

58 151.0 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 1.847 ug/l

RT: 10.51 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD062406.D

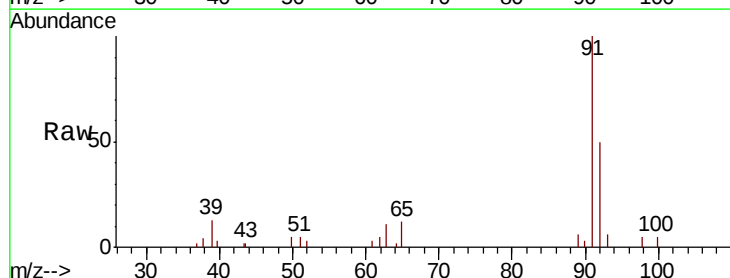
Acq: 15 May 2019 23:36

Tgt Ion: 92 Resp: 15861

Ion Ratio Lower Upper

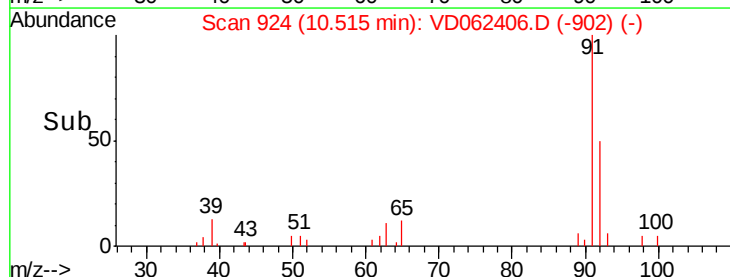
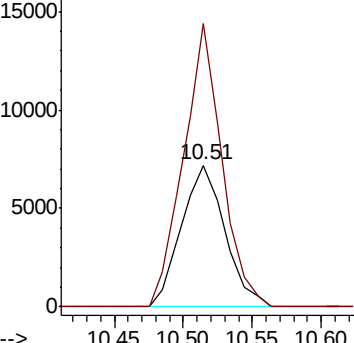
92 100

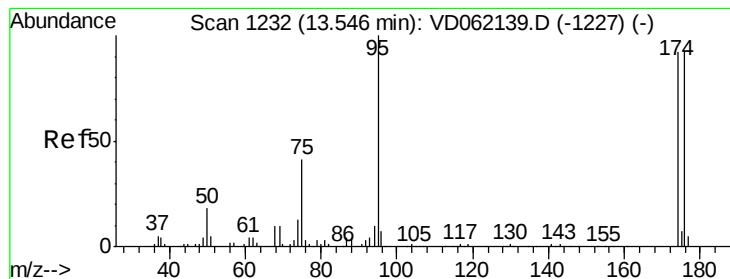
91 199.6 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#62

4-Bromofluorobenzene

Concen: 35.050 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062406.D

Acq: 15 May 2019 23:36

Instrument :

MSVOA_D

ClientSampleId :

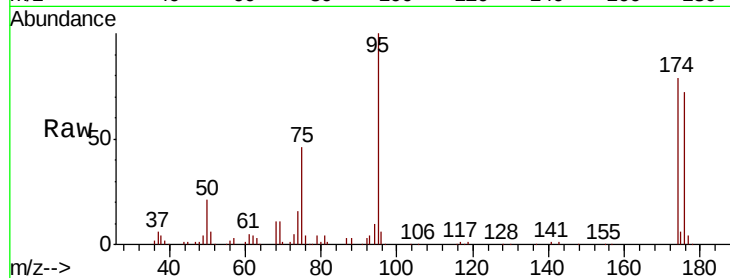
Tot Ion: 95 Resp: 200720

Ion Ratio Lower Upper

95 100

174 79.1 0.0 181.8

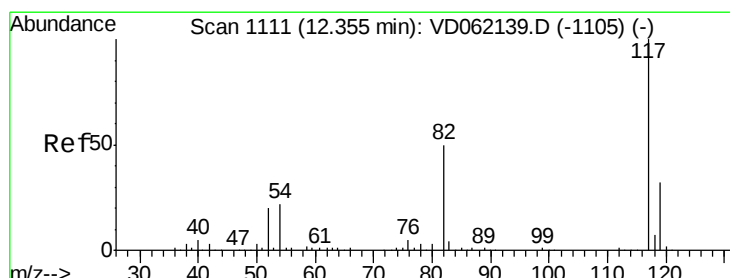
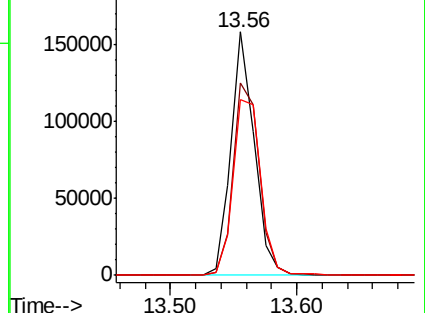
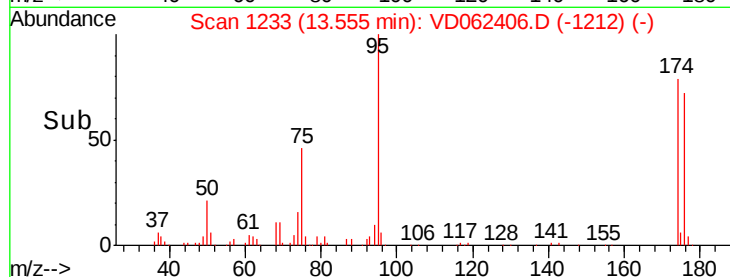
176 72.1 0.0 174.4



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: 12.37 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VD062406.D

Acq: 15 May 2019 23:36

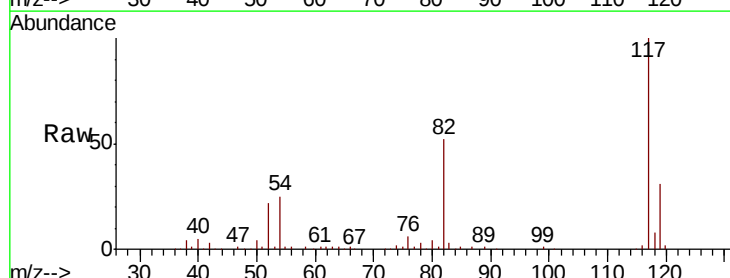
Tgt Ion: 117 Resp: 525467

Ion Ratio Lower Upper

117 100

82 52.0 36.2 54.2

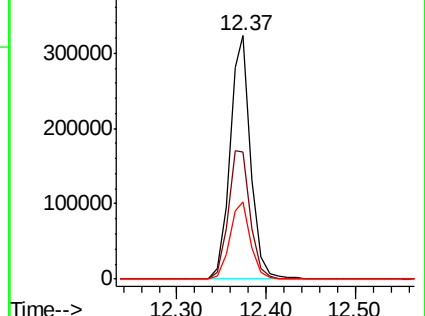
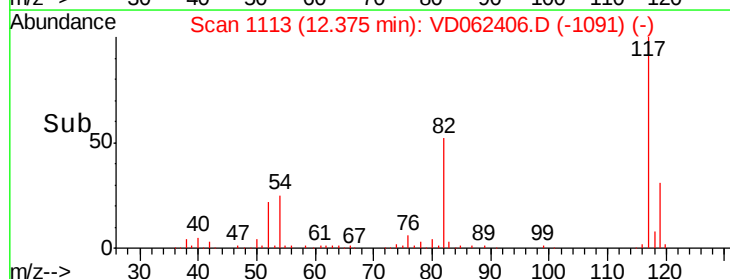
119 31.5 26.2 39.4

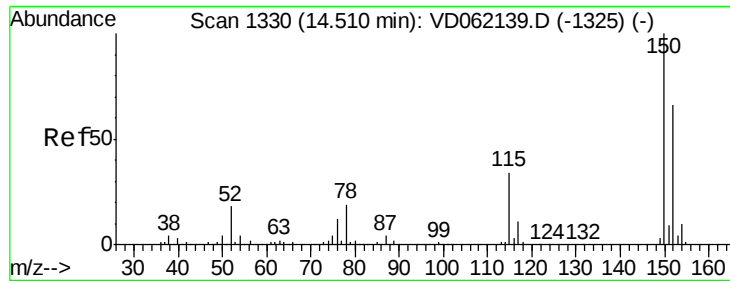


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1331

Delta R.T. 0.01 min

Lab File: VD062406.D

Acq: 15 May 2019 23:36

Instrument :

MSVOA_D

ClientSampleId :

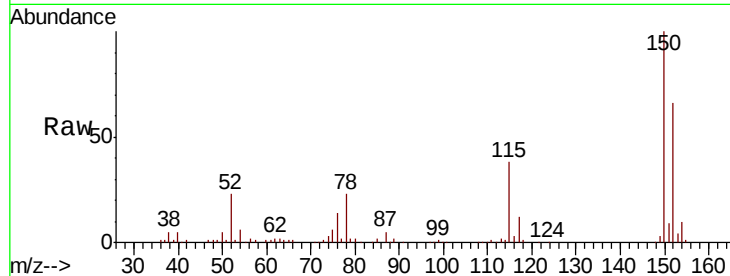
Tot Ion:152 Resp: 218350

Ion Ratio Lower Upper

152 100

115 58.1 30.9 92.7

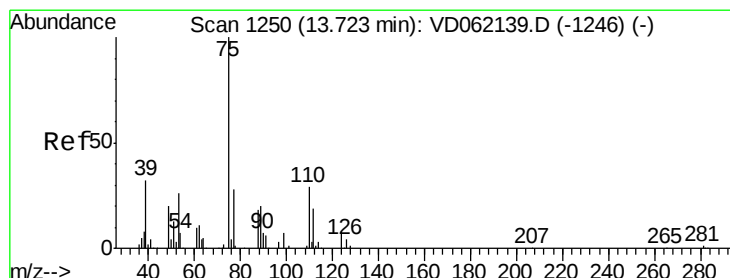
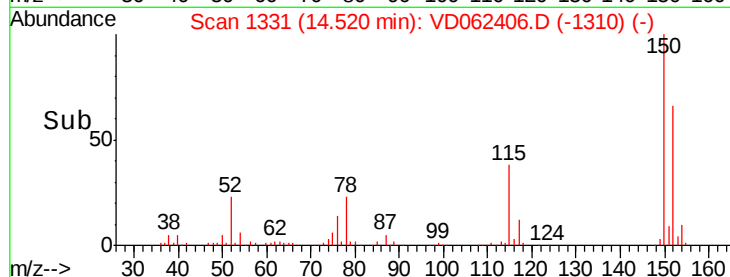
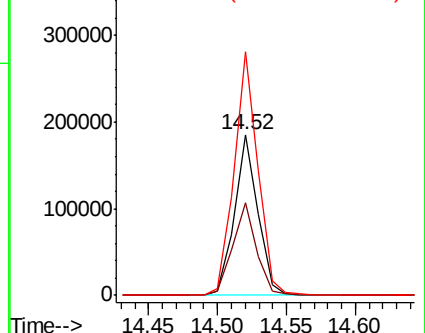
150 151.7 0.0 314.8



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



#76

1,2,3-Trichloropropane

Concen: 27.265 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD062406.D

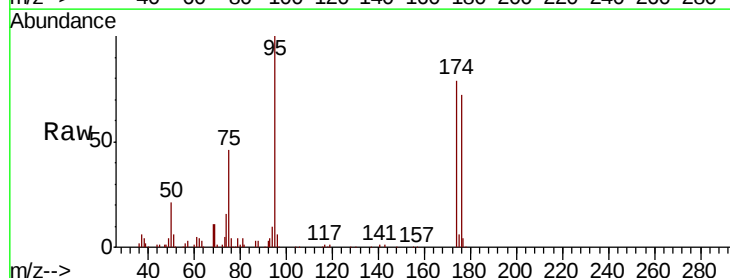
Acq: 15 May 2019 23:36

Tgt Ion: 75 Resp: 70750

Ion Ratio Lower Upper

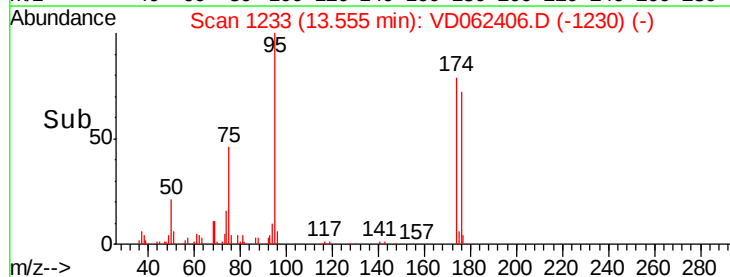
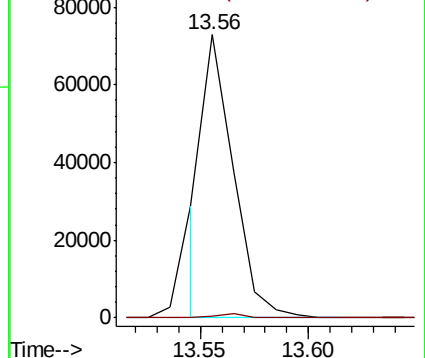
75 100

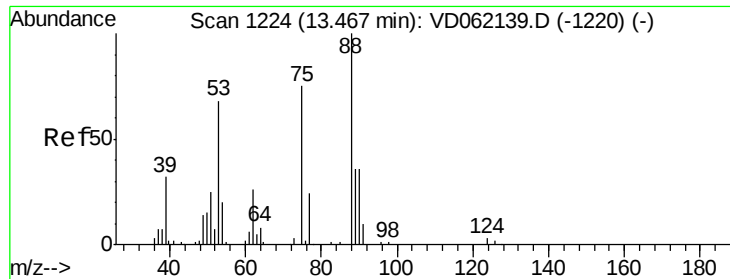
77 0.6 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 122.124 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062406.D

Acq: 15 May 2019 23:36

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 89463

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#

