

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060319\
 Data File : VD062584.D
 Acq On : 3 Jun 2019 14:35
 Operator : VA/AP
 Sample : K3150-01
 Misc : 6.42g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 04 05:51:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 02:08:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	732164	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	944422	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	779891	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	423227	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	339522	39.55	ug/l	0.00
Spiked Amount			Recovery	=	79.10%	
35) Dibromofluoromethane	6.93	113	352752	40.99	ug/l	0.00
Spiked Amount			Recovery	=	81.98%	
50) Toluene-d8	10.41	98	733852	38.92	ug/l	0.00
Spiked Amount			Recovery	=	77.84%	
62) 4-Bromofluorobenzene	13.55	95	323570	38.05	ug/l	0.00
Spiked Amount			Recovery	=	76.10%	

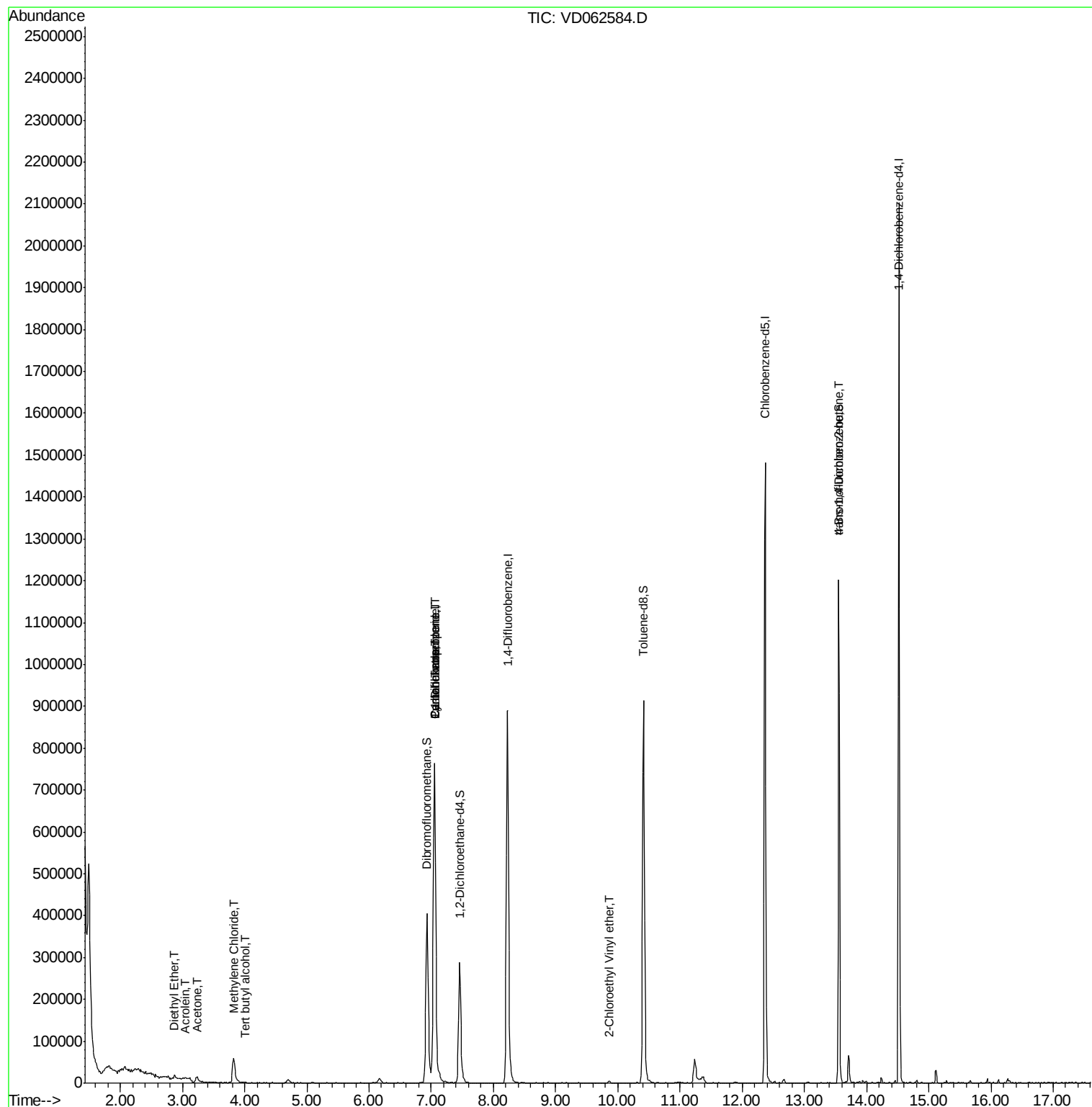
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.76	50	1597	Below Cal	#	74
8) Diethyl Ether	2.87	74	2129	1.211	ug/l	58
11) Tert butyl alcohol	4.00	59	644	1.759	ug/l #	80
13) Acrolein	3.03	56	195	1.222	ug/l #	10
16) Acetone	3.23	43	31345	18.583	ug/l	97
20) Methylene Chloride	3.82	84	40308	6.456	ug/l	97
31) Cyclohexane	7.05	56	19016	2.385	ug/l #	4
36) 1,1-Dichloropropene	7.06	75	60556	6.441	ug/l #	46
38) Carbon Tetrachloride	7.05	117	77620	5.545	ug/l #	19
58) 2-Chloroethyl Vinyl ether	9.86	63	2759	1.221	ug/l #	81
81) trans-1,4-Dichloro-2-buten	13.55	75	166020	114.110	ug/l #	5

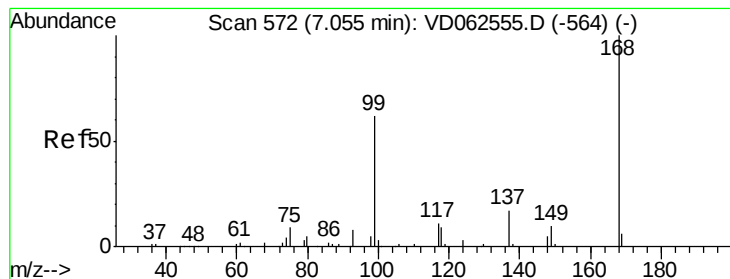
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 31 02:08:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.00 min

Lab File: VD062584.D

Acq: 3 Jun 2019 14:35

Instrument :

MSVOA_D

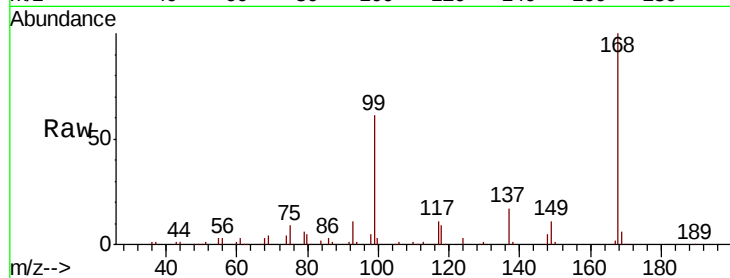
ClientSampleId :

Tot Ion:168 Resp: 732164

Ion Ratio Lower Upper

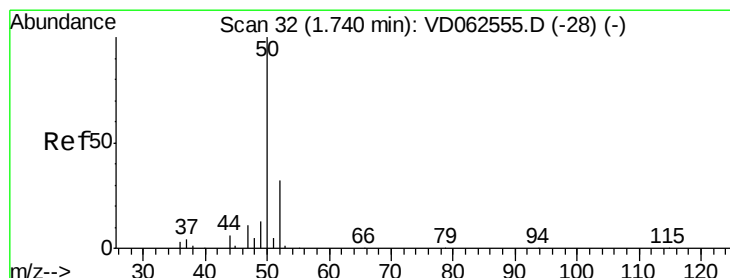
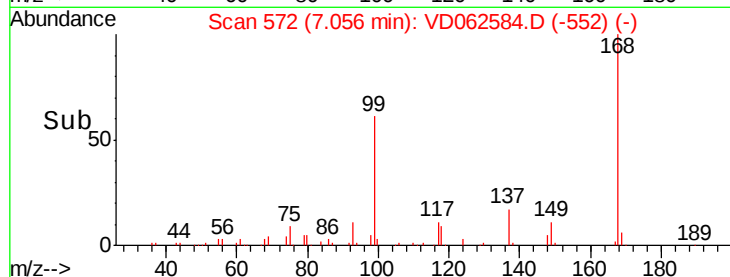
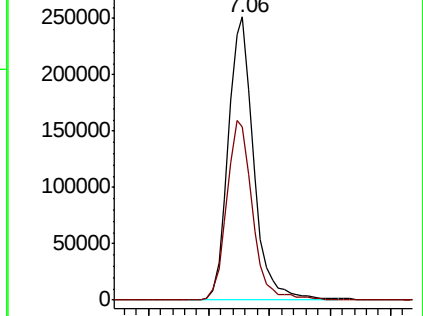
168 100

99 61.3 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: Below Cal

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062584.D

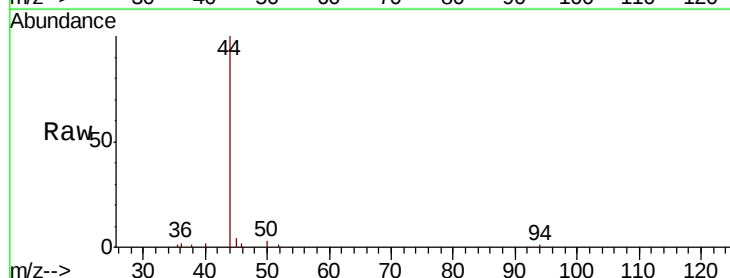
Acq: 3 Jun 2019 14:35

Tgt Ion: 50 Resp: 1597

Ion Ratio Lower Upper

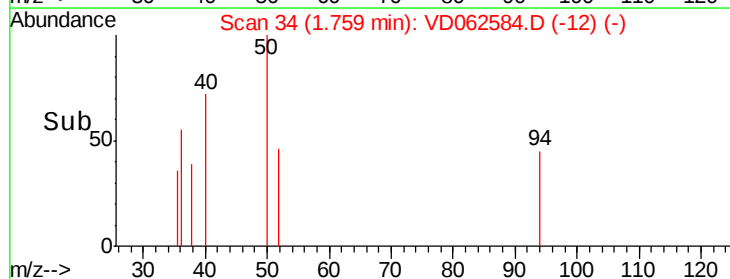
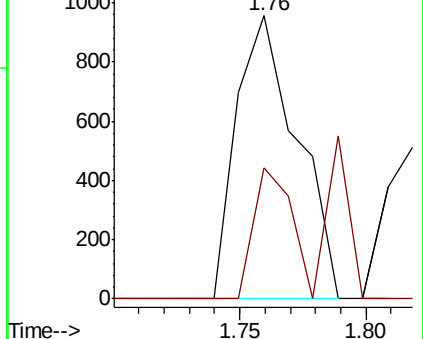
50 100

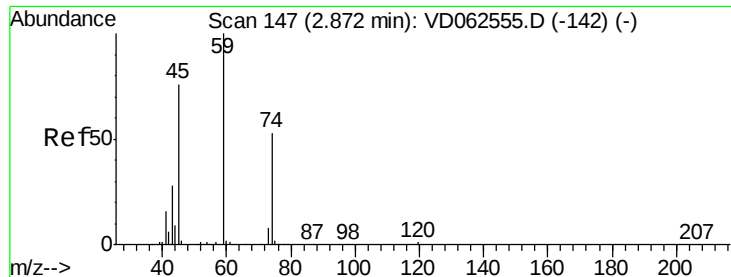
52 46.2 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#8

Diethyl Ether

Concen: 1.211 ug/l

RT: 2.87 min Scan# 147

Delta R.T. 0.00 min

Lab File: VD062584.D

Acq: 3 Jun 2019 14:35

Instrument :

MSVOA_D

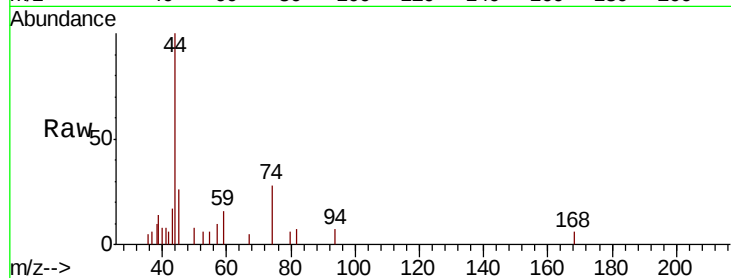
ClientSampled :

Tot Ion: 74 Resp: 2129

Ion Ratio Lower Upper

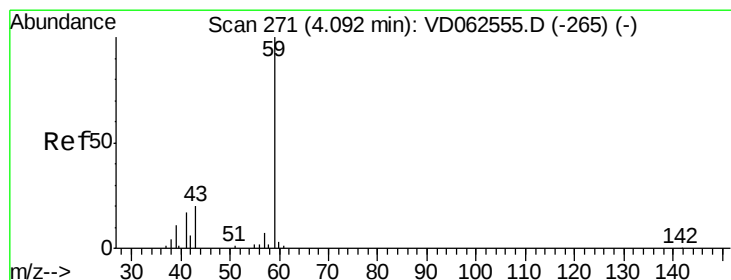
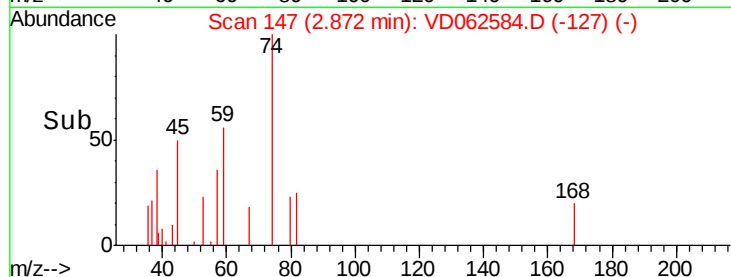
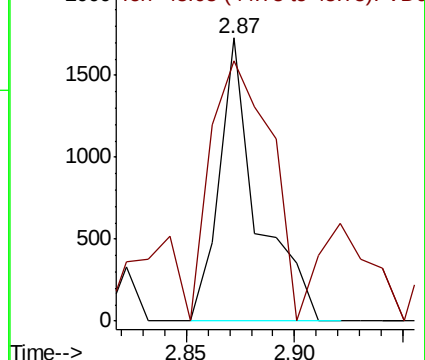
74 100

45 92.0 71.9 215.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#11

Tert butyl alcohol

Concen: 1.759 ug/l

RT: 4.00 min Scan# 262

Delta R.T. -0.09 min

Lab File: VD062584.D

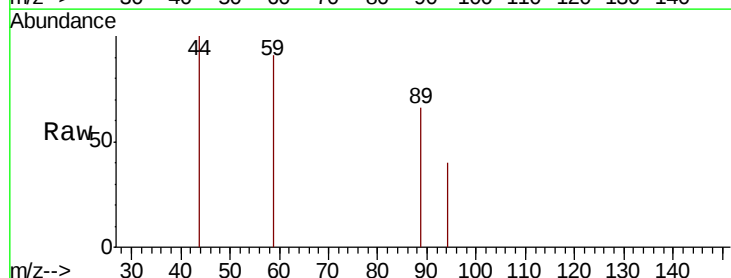
Acq: 3 Jun 2019 14:35

Tgt Ion: 59 Resp: 644

Ion Ratio Lower Upper

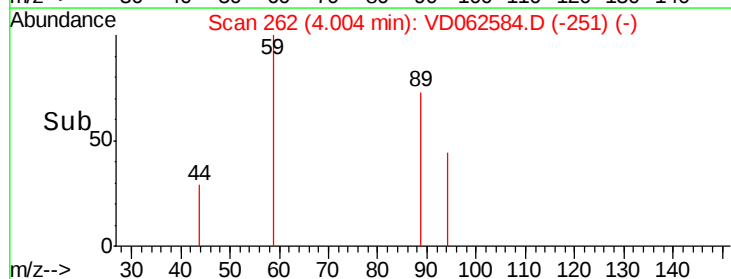
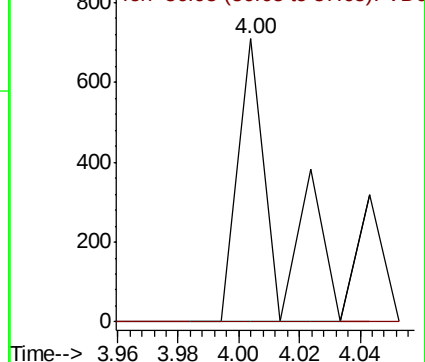
59 100

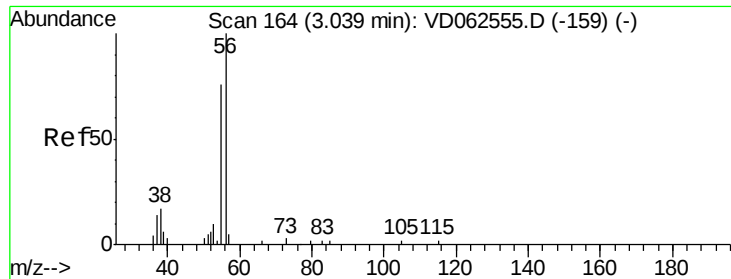
57 0.0 5.4 8.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 1.222 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD062584.D

Acq: 3 Jun 2019 14:35

Instrument :

MSVOA_D

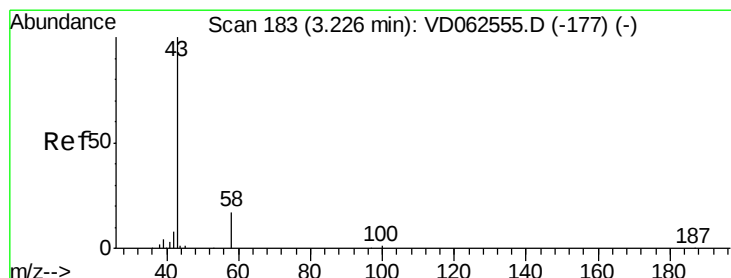
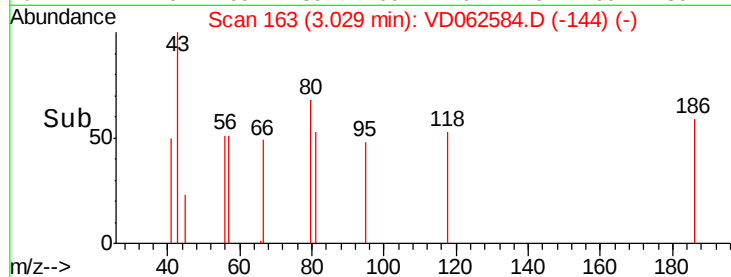
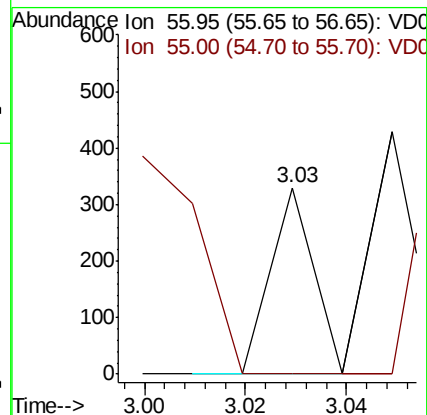
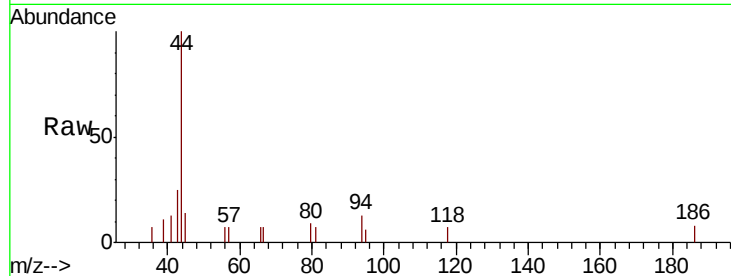
ClientSampleId :

Tot Ion: 56 Resp: 195

Ion Ratio Lower Upper

56 100

55 0.0 62.6 93.8#



#16

Acetone

Concen: 18.583 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD062584.D

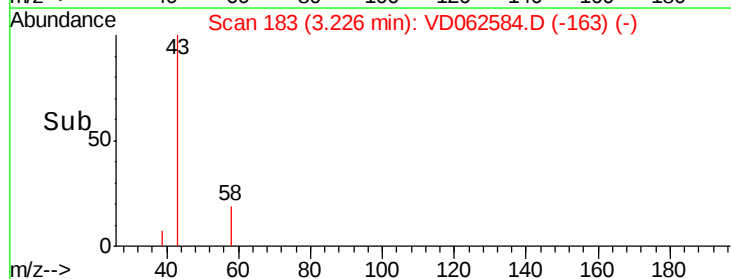
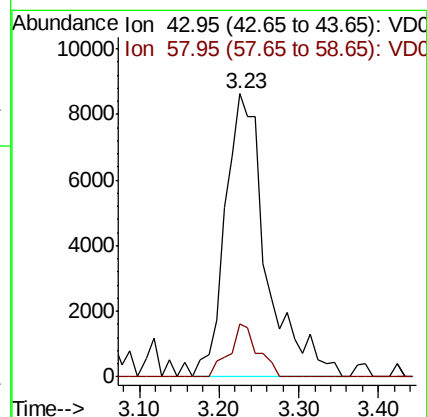
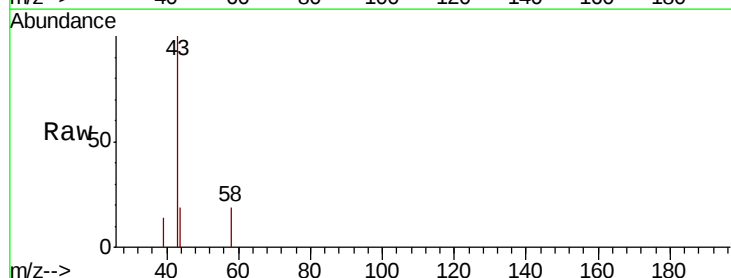
Acq: 3 Jun 2019 14:35

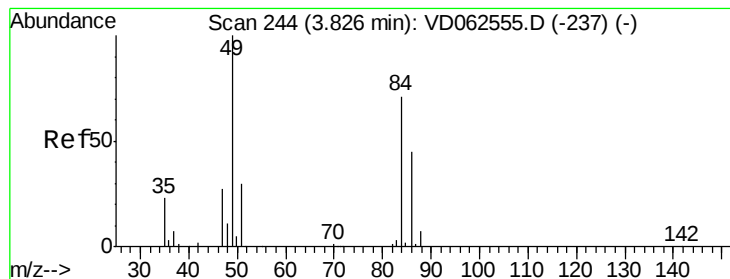
Tgt Ion: 43 Resp: 31345

Ion Ratio Lower Upper

43 100

58 18.8 13.8 20.8





#20

Methylene Chloride

Concen: 6.456 ug/l

RT: 3.82 min Scan# 243

Delta R.T. -0.01 min

Lab File: VD062584.D

Acq: 3 Jun 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 40308

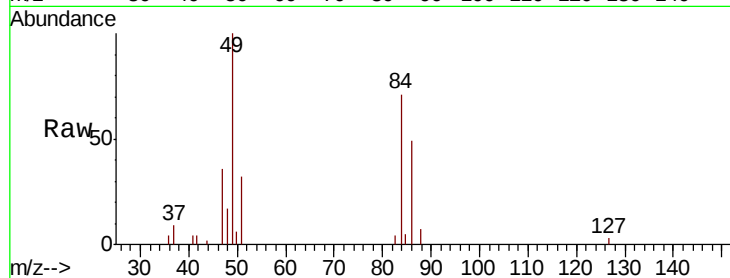
Ion Ratio Lower Upper

84 100

49 140.1 112.3 168.5

51 44.5 33.6 50.4

86 68.4 50.4 75.6

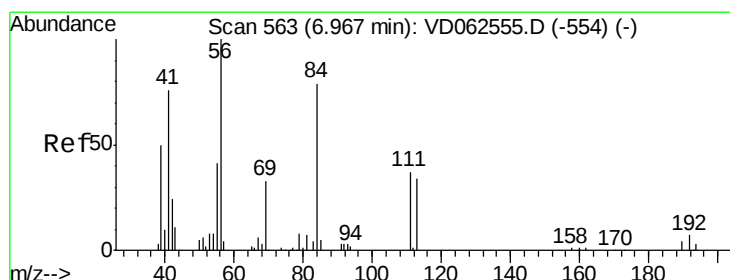
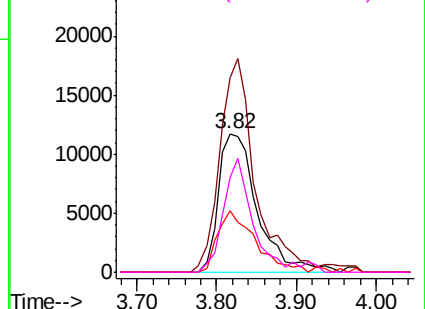
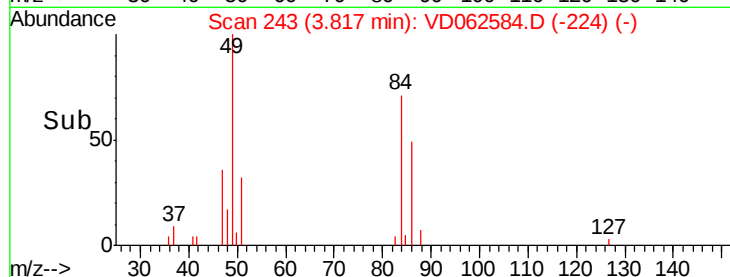


Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 2.385 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.08 min

Lab File: VD062584.D

Acq: 3 Jun 2019 14:35

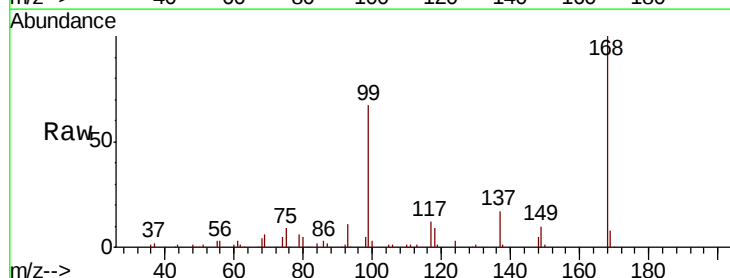
Tgt Ion: 56 Resp: 19016

Ion Ratio Lower Upper

56 100

69 199.9 26.2 39.2#

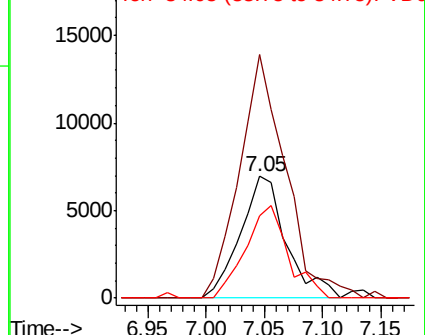
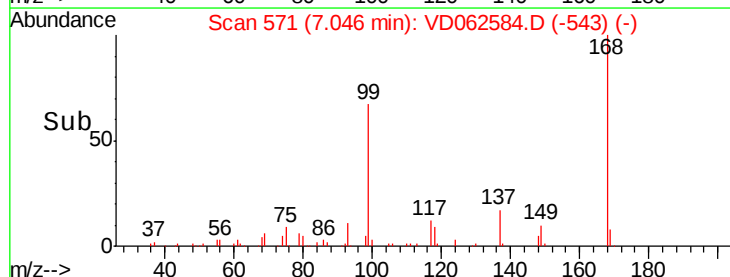
84 67.4 65.2 97.8

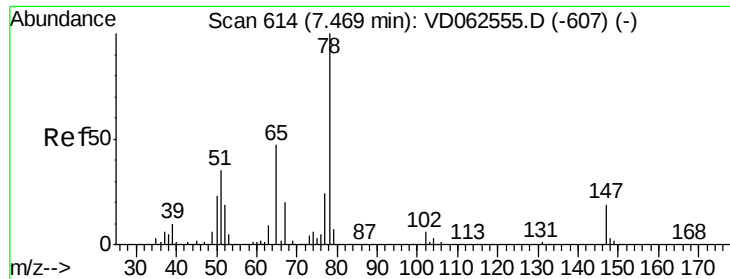


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 39.549 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD062584.D

Acq: 3 Jun 2019 14:35

Instrument :

MSVOA_D

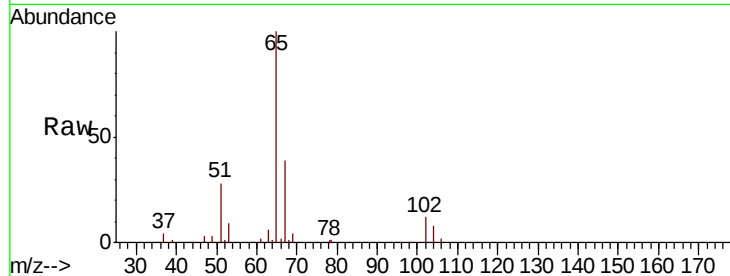
ClientSampleId :

Tot Ion: 65 Resp: 339522

Ion Ratio Lower Upper

65 100

67 39.1 0.0 83.6



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

150000

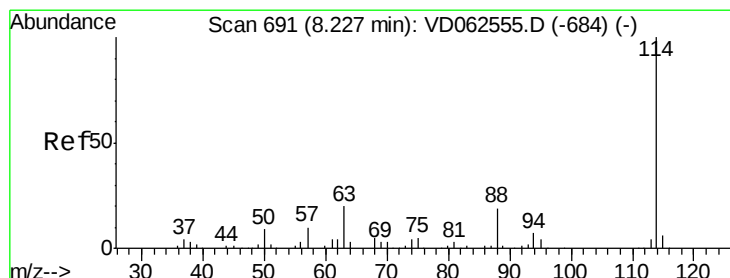
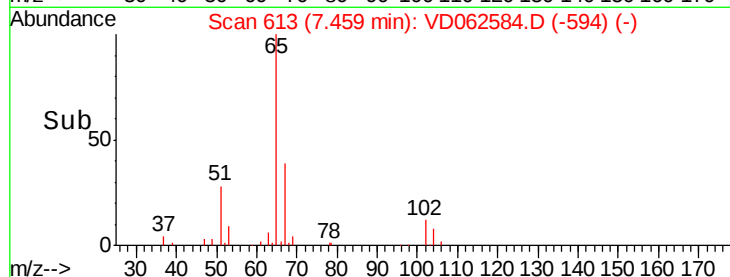
100000

50000

0

Time-->

7.30 7.40 7.50 7.60 7.70



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.00 min

Lab File: VD062584.D

Acq: 3 Jun 2019 14:35

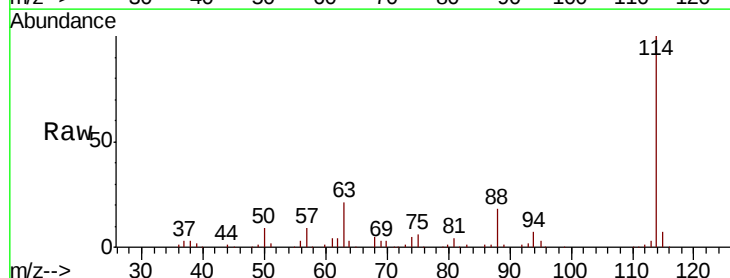
Tgt Ion: 114 Resp: 944422

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.6

88 17.7 0.0 37.6



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.23

500000

400000

300000

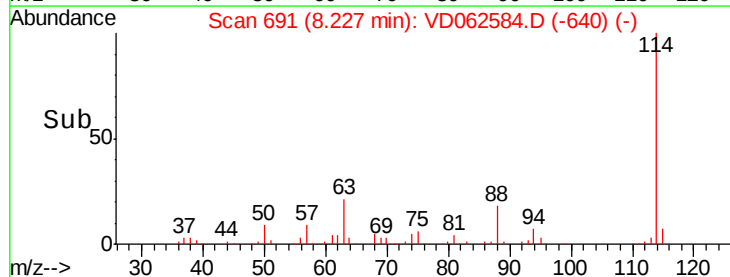
200000

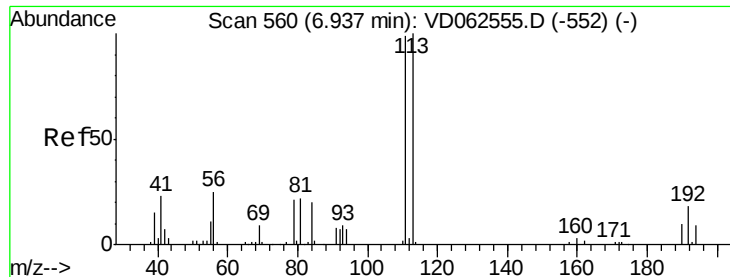
100000

0

Time-->

8.10 8.20 8.30 8.40 8.50





#35

Dibromofluoromethane

Concen: 40.988 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD062584.D

Acq: 3 Jun 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

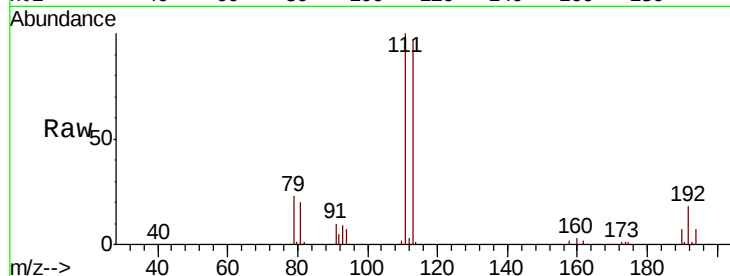
Tot Ion:113 Resp: 352752

Ion Ratio Lower Upper

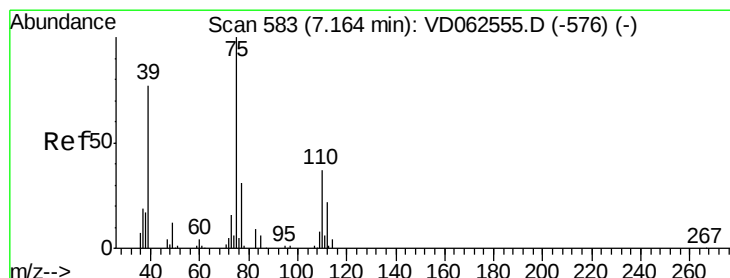
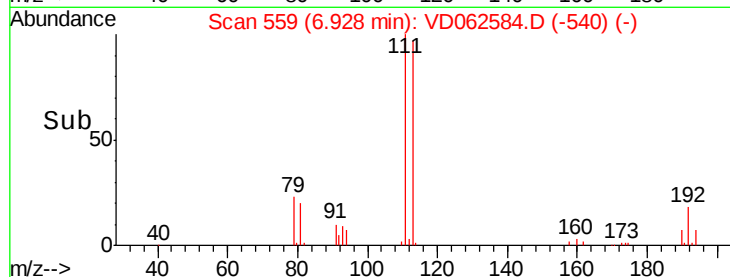
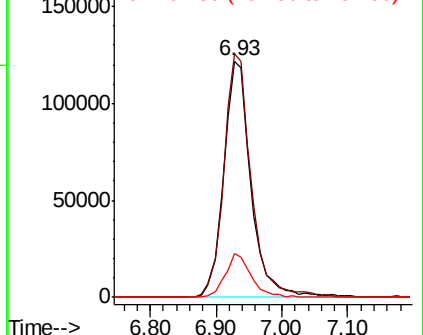
113 100

111 103.2 78.8 118.2

192 18.4 14.6 22.0



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: 6.441 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.11 min

Lab File: VD062584.D

Acq: 3 Jun 2019 14:35

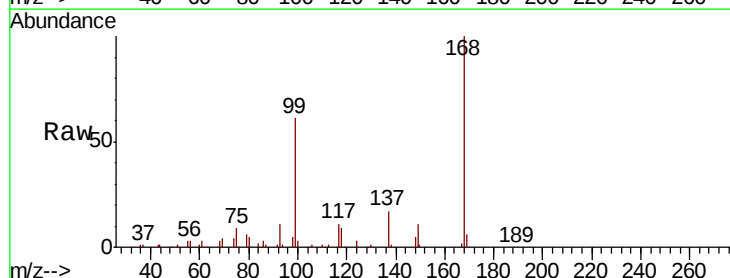
Tgt Ion: 75 Resp: 60556

Ion Ratio Lower Upper

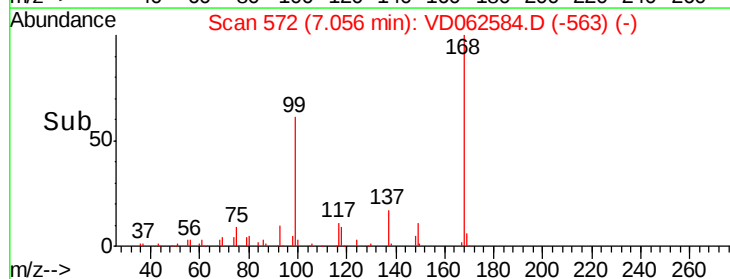
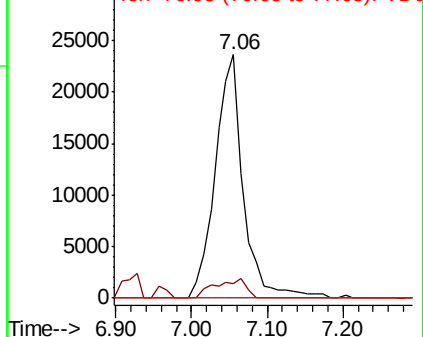
75 100

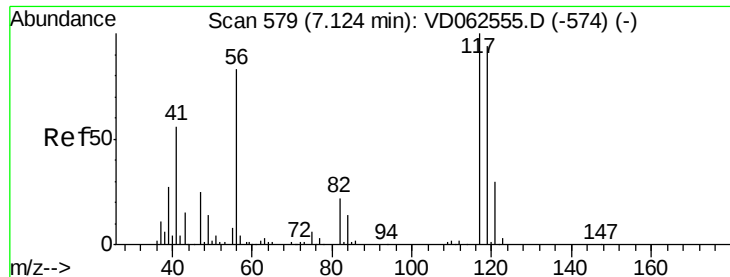
110 5.9 18.3 54.8#

77 0.0 24.4 36.6#



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: 5.545 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD062584.D

Acq: 3 Jun 2019 14:35

Instrument :
MSVOA_D
ClientSampleId :

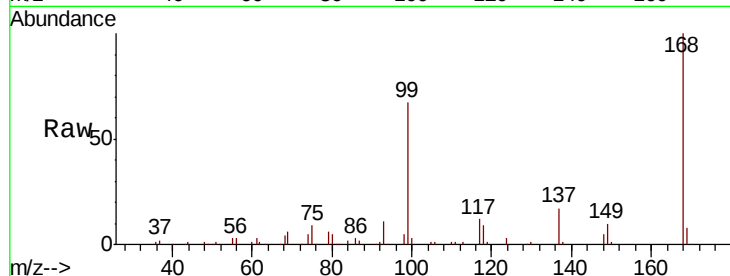
Tot Ion:117 Resp: 77620

Ion Ratio Lower Upper

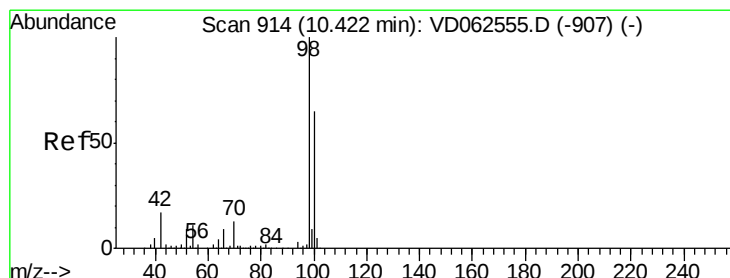
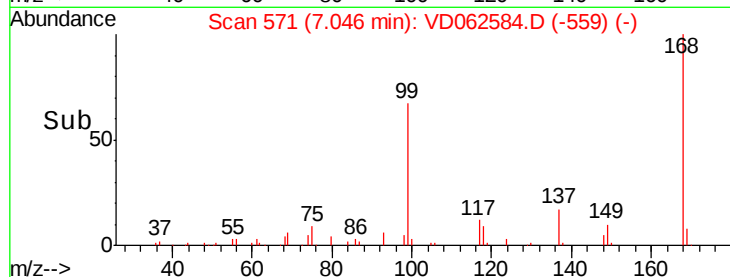
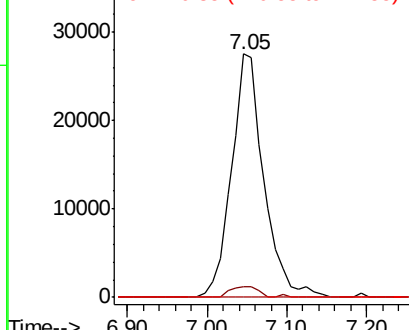
117 100

119 4.6 71.4 107.2#

121 0.0 22.5 33.7#



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: 38.918 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD062584.D

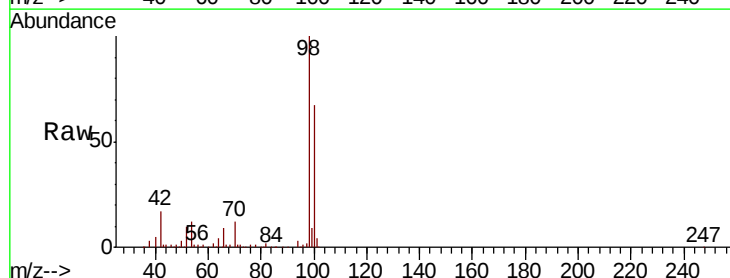
Acq: 3 Jun 2019 14:35

Tgt Ion: 98 Resp: 733852

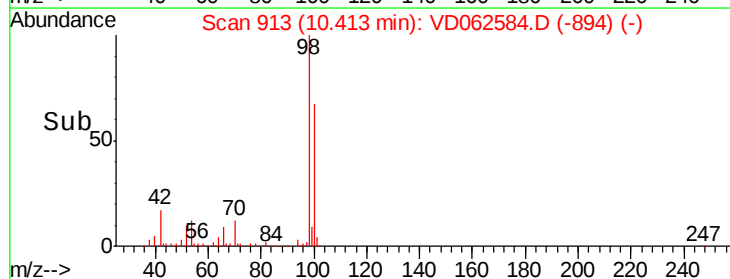
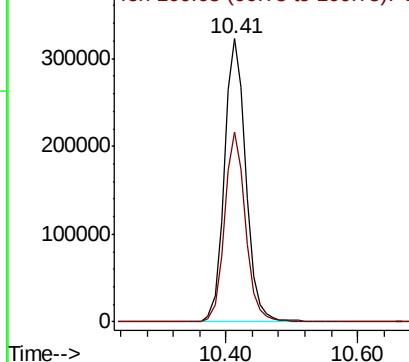
Ion Ratio Lower Upper

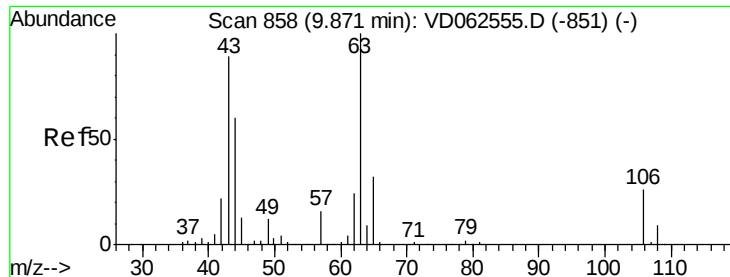
98 100

100 67.2 52.3 78.5



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

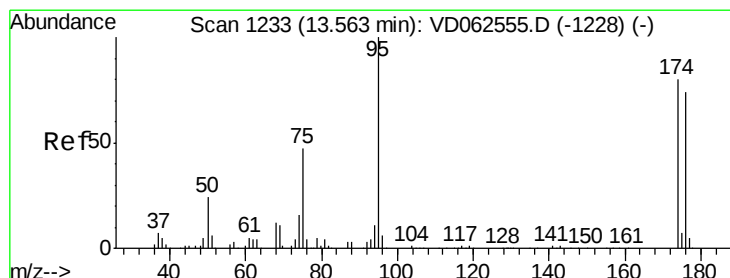
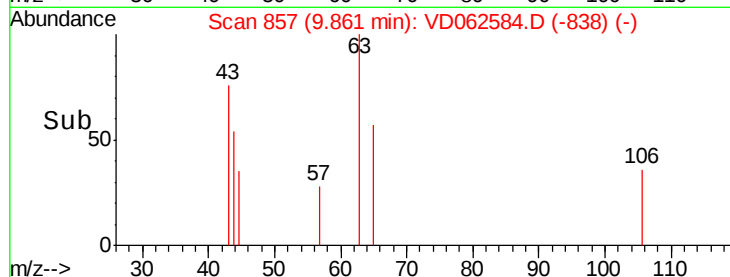
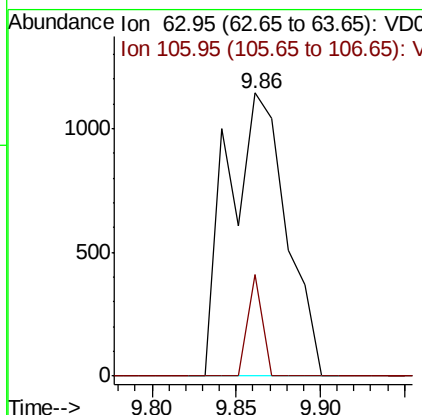
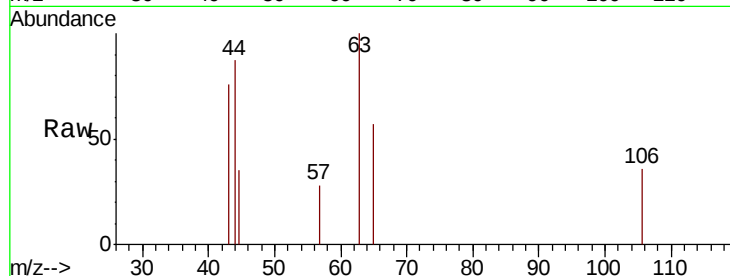




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.221 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: VD062584.D
 Acq: 3 Jun 2019 14:35

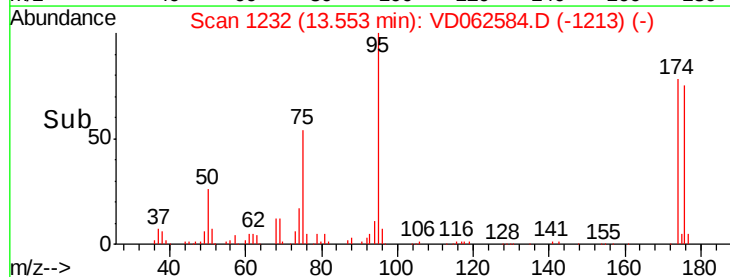
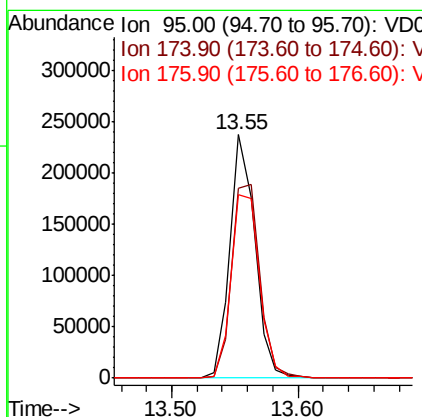
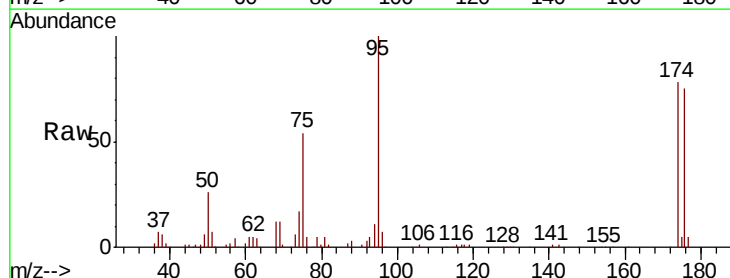
Instrument :
 MSVOA_D
 ClientSampled :

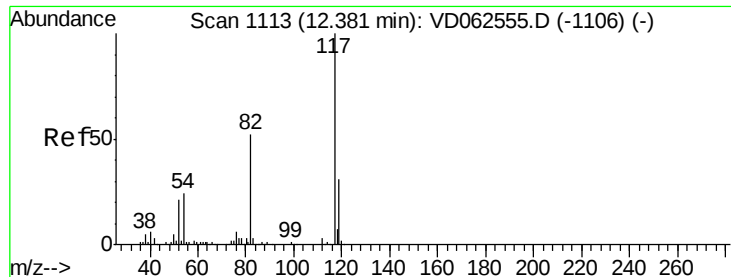
Tot Ion: 63 Resp: 2759
 Ion Ratio Lower Upper
 63 100
 106 36.1 21.0 31.4#



#62
 4-Bromofluorobenzene
 Concen: 38.051 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: VD062584.D
 Acq: 3 Jun 2019 14:35

Tgt Ion: 95 Resp: 323570
 Ion Ratio Lower Upper
 95 100
 174 78.0 0.0 160.2
 176 75.4 0.0 148.0

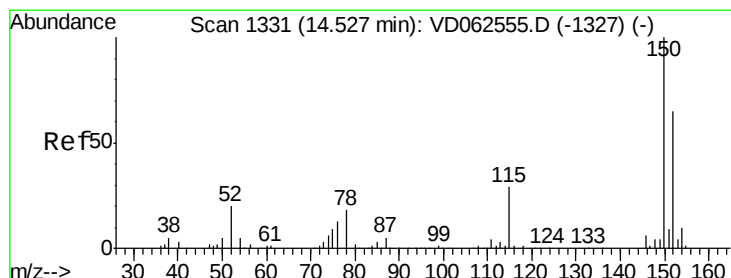
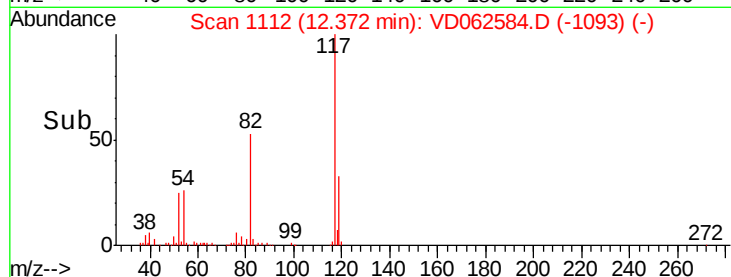
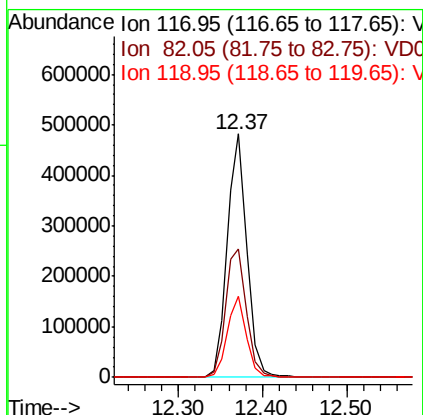
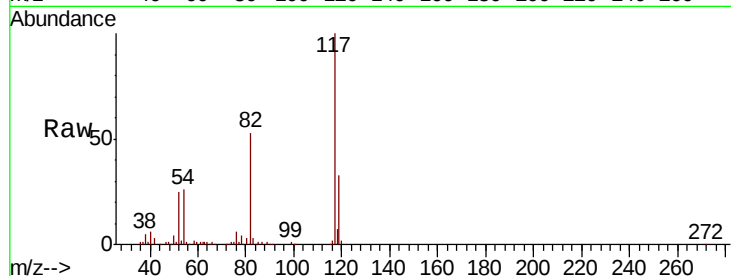




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD062584.D
Acq: 3 Jun 2019 14:35

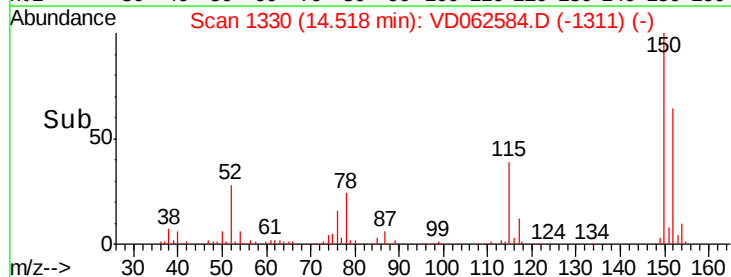
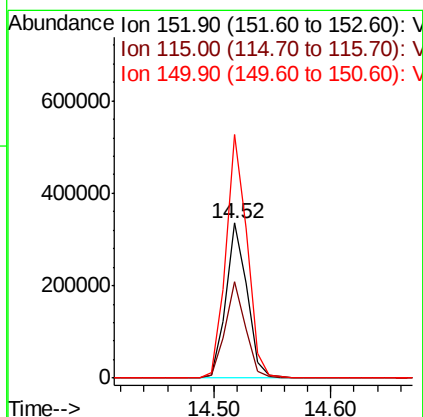
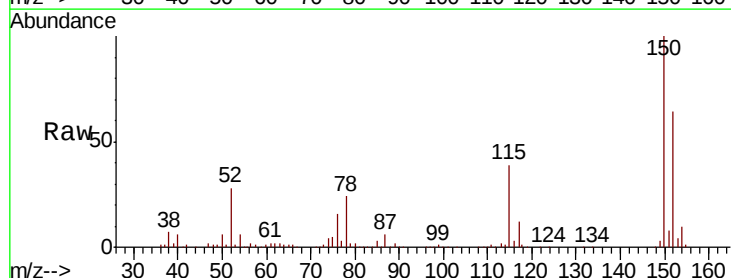
Instrument :
MSVOA_D
ClientSampled :

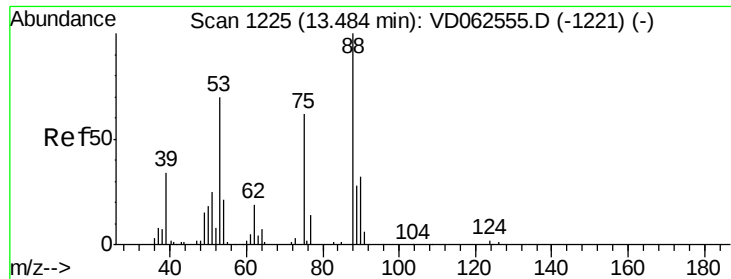
Tot Ion:117 Resp: 779891
Ion Ratio Lower Upper
117 100
82 52.6 41.4 62.2
119 33.2 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD062584.D
Acq: 3 Jun 2019 14:35

Tgt Ion:152 Resp: 423227
Ion Ratio Lower Upper
152 100
115 62.0 28.4 85.3
150 157.1 0.0 310.4





#81

trans-1,4-Dichloro-2-butene

Concen: 114.110 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD062584.D

Acq: 3 Jun 2019 14:35

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 166020

Ion Ratio Lower Upper

75 100

53 0.0 91.0 136.4#

89 0.0 36.9 55.3#

