

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060419\
 Data File : VD062604.D
 Acq On : 4 Jun 2019 17:59
 Operator : FY/SY
 Sample : K3183-07
 Misc : 5.48g/5mL/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 05 03:49:23 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	7.04	168	637767	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	838319	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	694390	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	359680	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	340354	45.51	ug/l	-0.03
Spiked Amount			Recovery	=	91.02%	
35) Dibromofluoromethane	6.92	113	359998	47.12	ug/l	-0.02
Spiked Amount			Recovery	=	94.24%	
50) Toluene-d8	10.41	98	723785	43.24	ug/l	-0.02
Spiked Amount			Recovery	=	86.48%	
62) 4-Bromofluorobenzene	13.55	95	316865	41.98	ug/l	-0.02
Spiked Amount			Recovery	=	83.96%	

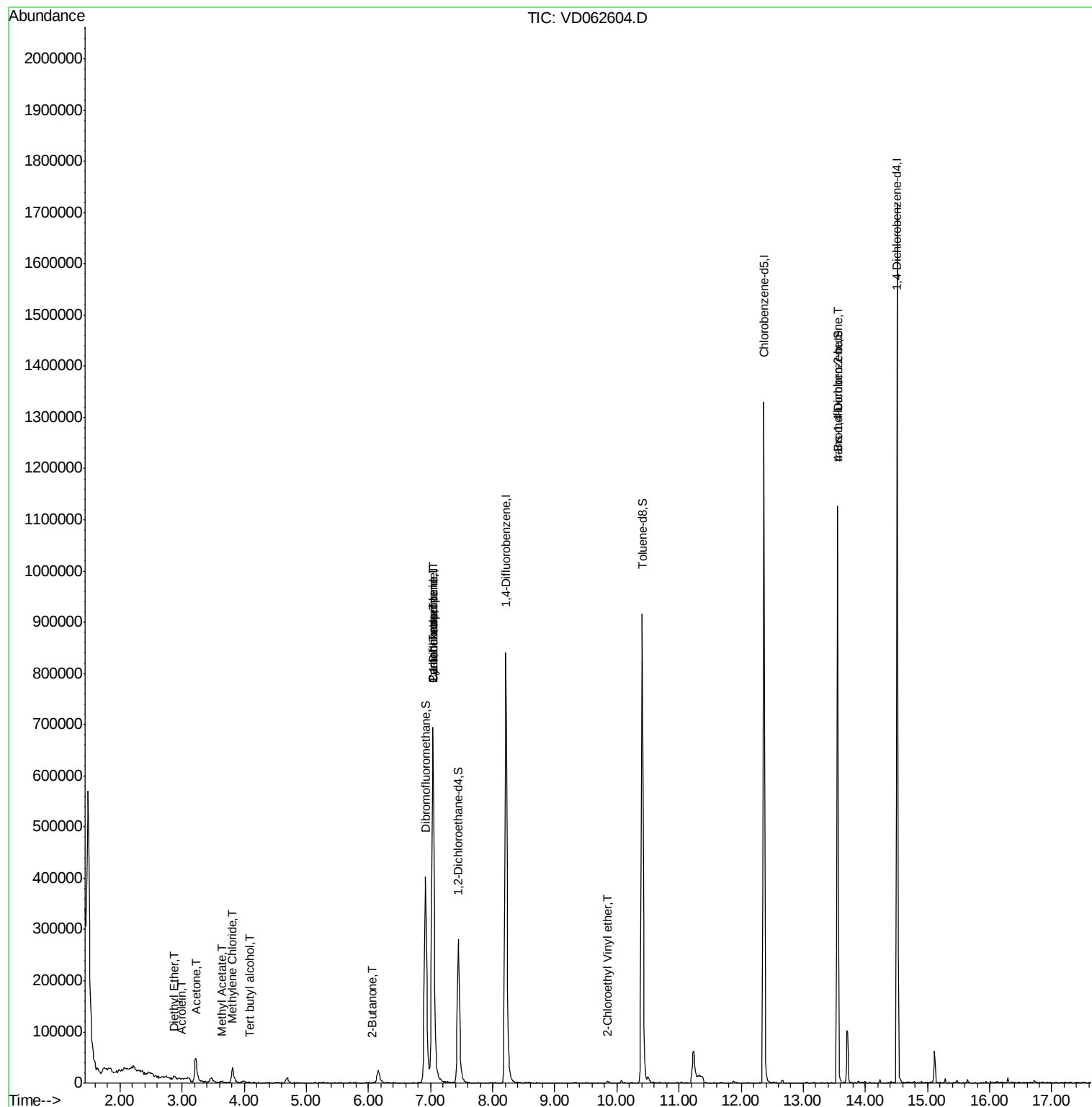
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.73	50	756	Below Cal	#	43
8) Diethyl Ether	2.86	74	1676	1.094	ug/l	44
11) Tert butyl alcohol	4.09	59	1570	4.922	ug/l #	80
13) Acrolein	2.98	56	216	1.554	ug/l #	10
16) Acetone	3.22	43	94352	64.217	ug/l	97
18) Methyl Acetate	3.64	43	5296	2.208	ug/l #	72
20) Methylene Chloride	3.81	84	13621	2.504	ug/l #	70
25) 2-Butanone	6.07	43	1847	1.335	ug/l #	62
31) Cyclohexane	7.04	56	15792	2.274	ug/l #	12
36) 1,1-Dichloropropene	7.03	75	50058	5.998	ug/l #	49
38) Carbon Tetrachloride	7.04	117	67536	5.436	ug/l #	19
58) 2-Chloroethyl Vinyl ether	9.85	63	2324	1.159	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.55	75	164588	133.112	ug/l #	5

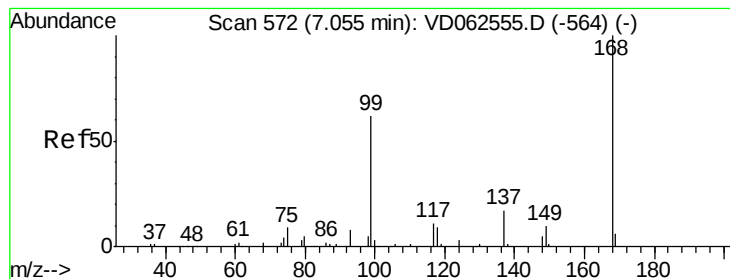
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD060419\
Data File : VD062604.D
Acq On : 4 Jun 2019 17:59
Operator : FY/SY
Sample : K3183-07
Misc : 5.48g/5mL/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 05 03:49:23 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D053019S.M
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: 7.04 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD062604.D

Acq: 4 Jun 2019 17:59

Instrument :

MSVOA_D

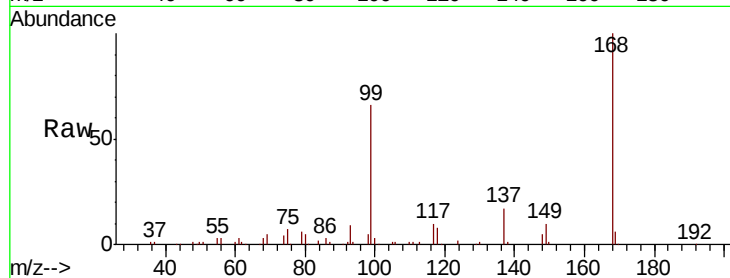
ClientSampleId :

Tot Ion:168 Resp: 637767

Ion Ratio Lower Upper

168 100

99 65.9 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

250000

200000

150000

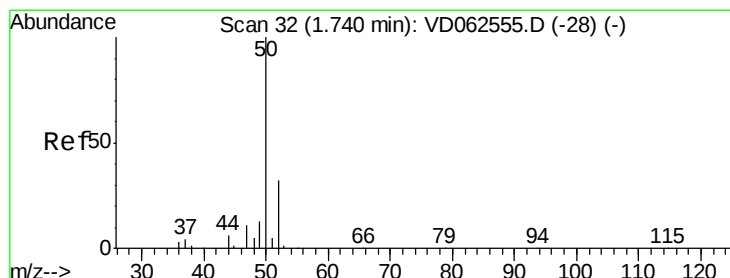
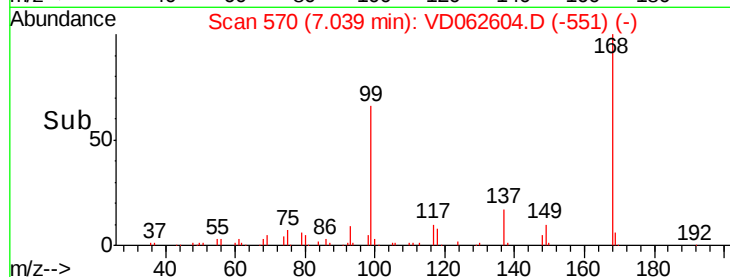
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.73 min Scan# 31

Delta R.T. -0.01 min

Lab File: VD062604.D

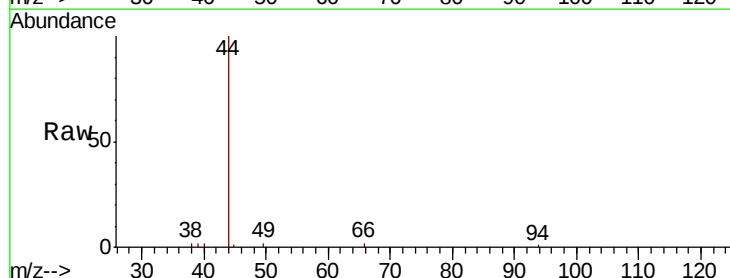
Acq: 4 Jun 2019 17:59

Tgt Ion: 50 Resp: 756

Ion Ratio Lower Upper

50 100

52 0.0 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.73

500

400

300

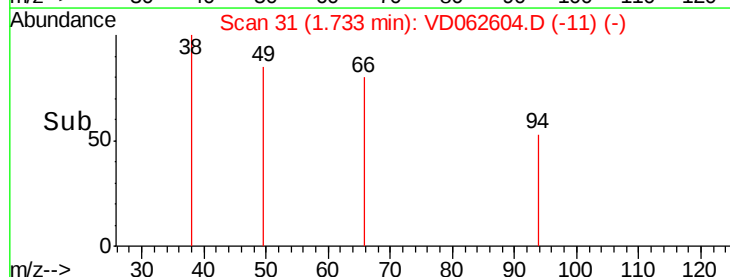
200

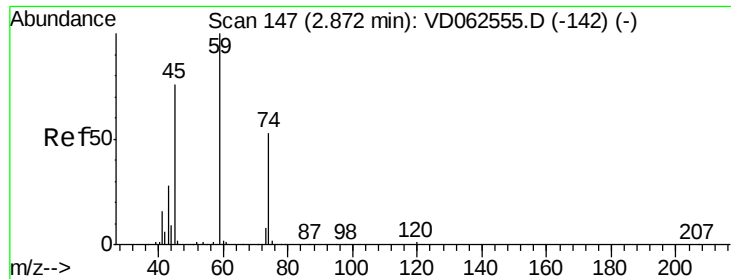
100

0

1.70 1.72 1.74 1.76 1.78

Time-->





#8

Diethyl Ether

Concen: 1.094 ug/l

RT: 2.86 min Scan# 145

Delta R.T. -0.02 min

Lab File: VD062604.D

Acq: 4 Jun 2019 17:59

Instrument :

MSVOA_D

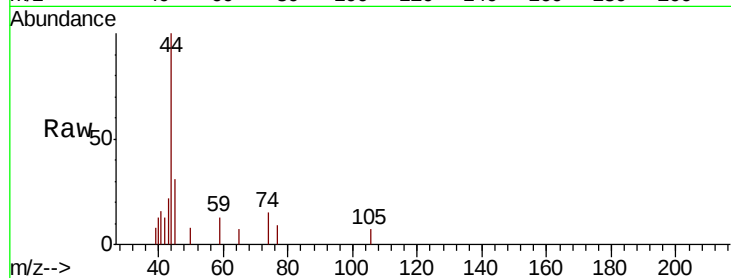
ClientSampled :

Tot Ion: 74 Resp: 1676

Ion Ratio Lower Upper

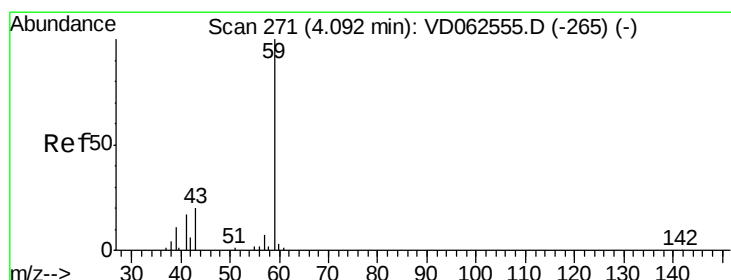
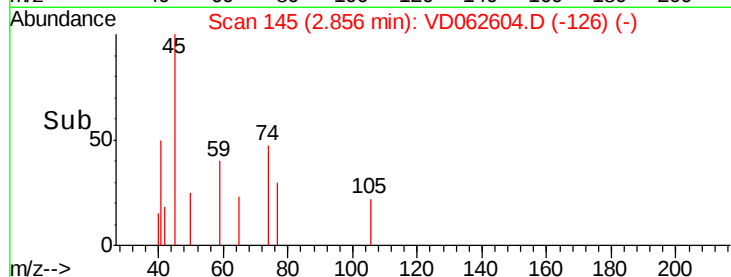
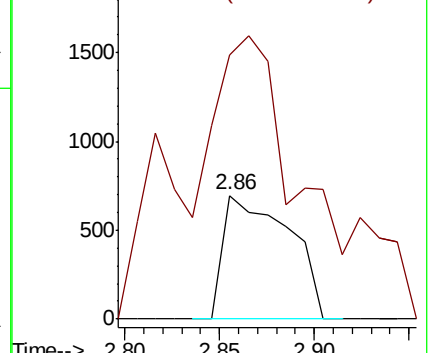
74 100

45 213.3 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: 4.922 ug/l

RT: 4.09 min Scan# 270

Delta R.T. -0.01 min

Lab File: VD062604.D

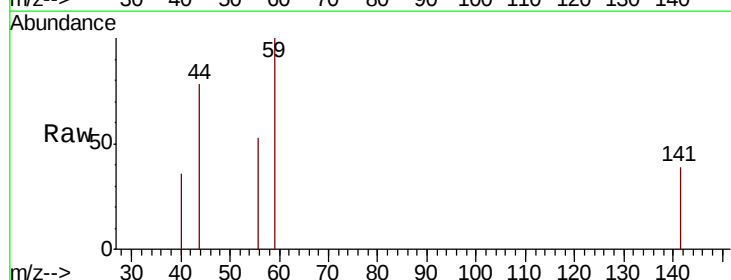
Acq: 4 Jun 2019 17:59

Tgt Ion: 59 Resp: 1570

Ion Ratio Lower Upper

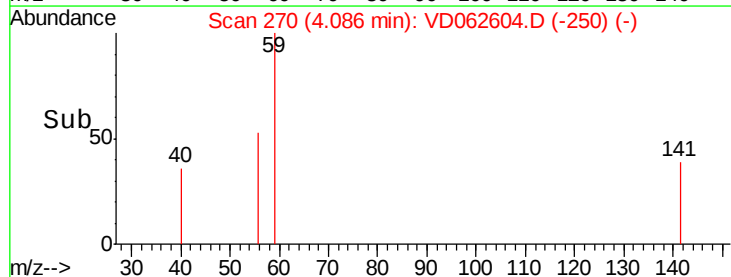
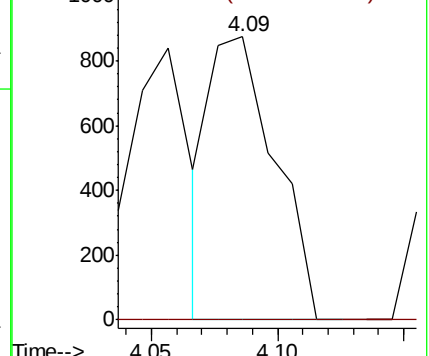
59 100

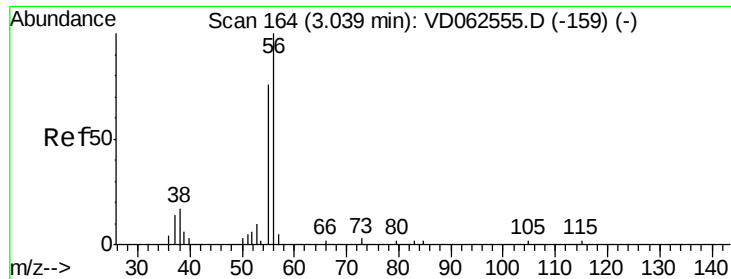
57 0.0 5.4 8.0#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 1.554 ug/l

RT: 2.98 min Scan# 158

Delta R.T. -0.06 min

Lab File: VD062604.D

Acq: 4 Jun 2019 17:59

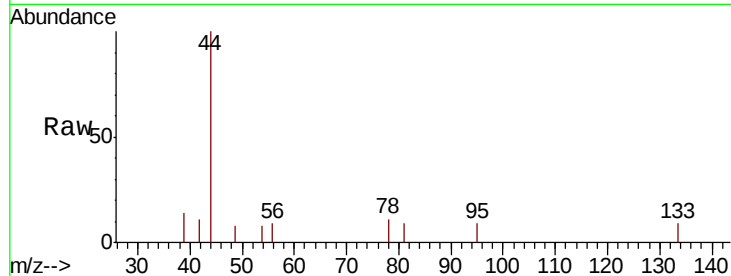
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 216

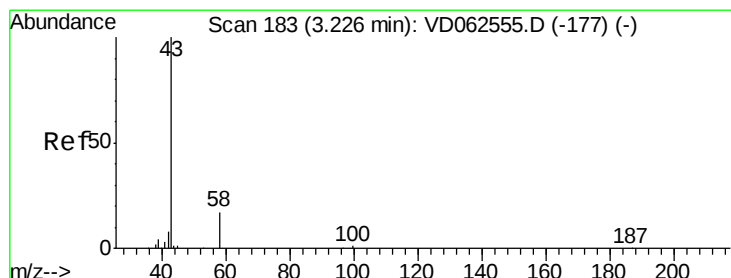
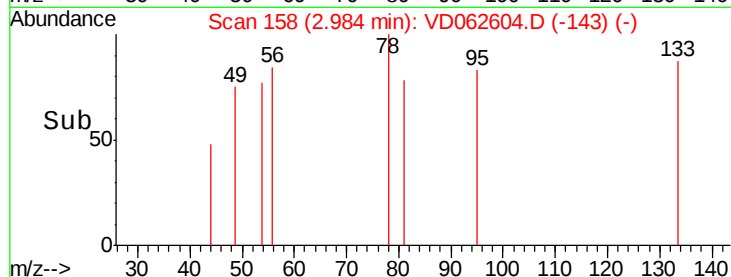
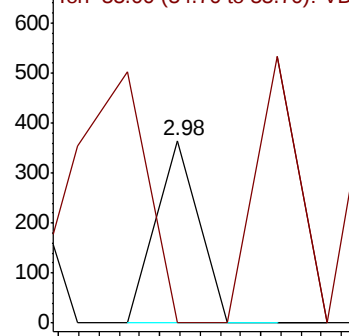
Ion Ratio Lower Upper

56 100

55 0.0 62.6 93.8#



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 64.217 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD062604.D

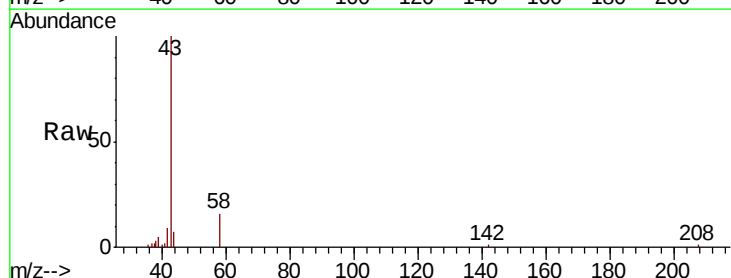
Acq: 4 Jun 2019 17:59

Tgt Ion: 43 Resp: 94352

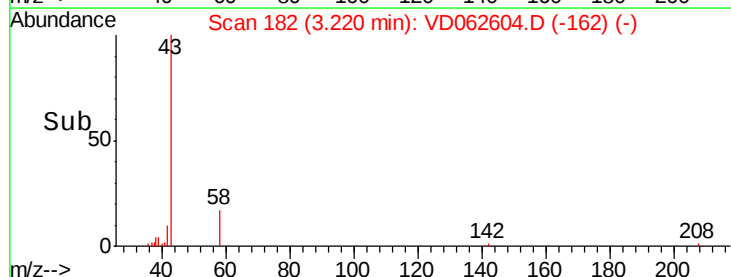
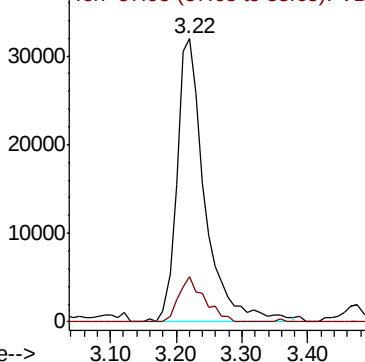
Ion Ratio Lower Upper

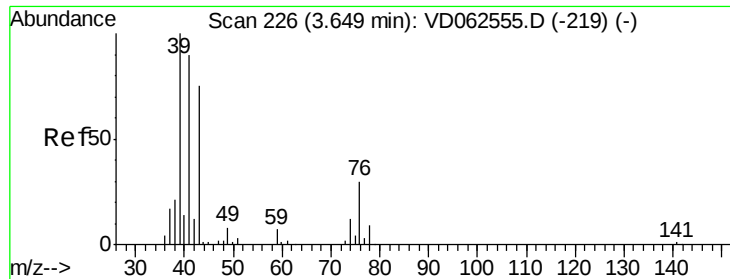
43 100

58 15.9 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

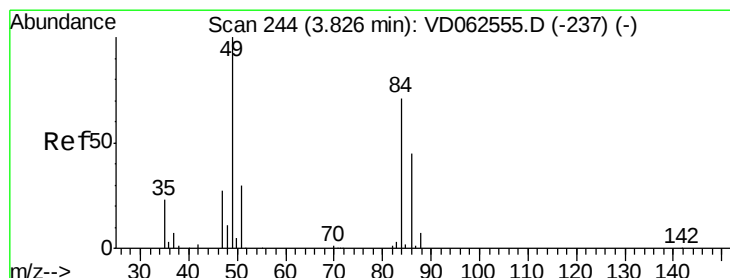
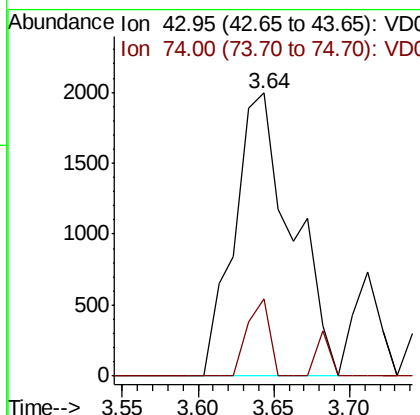
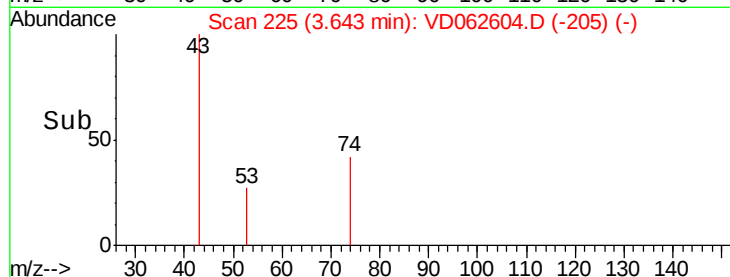
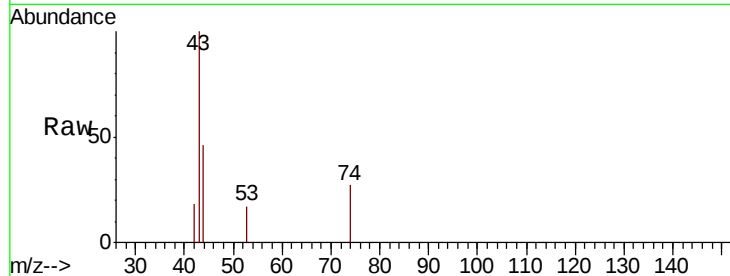




#18
Methyl Acetate
Concen: 2.208 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD062604.D
Acq: 4 Jun 2019 17:59

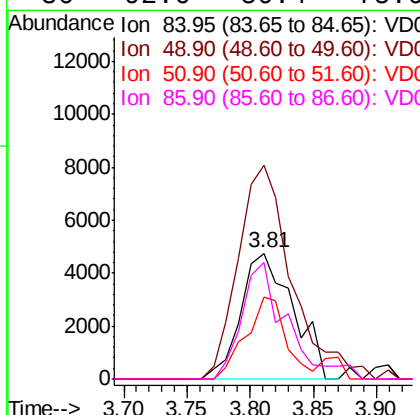
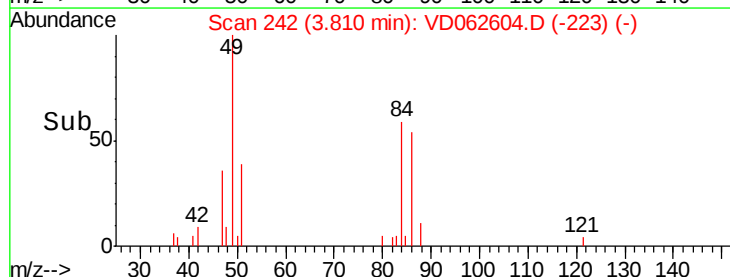
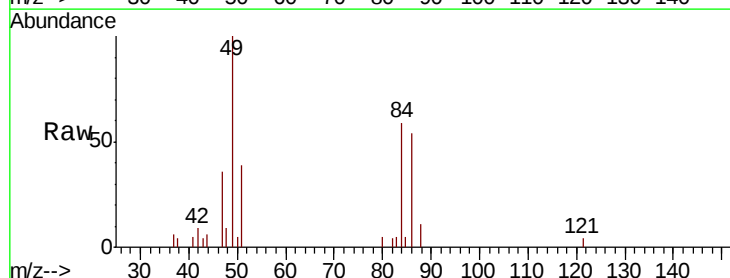
Instrument :
MSVOA_D
ClientSampled :

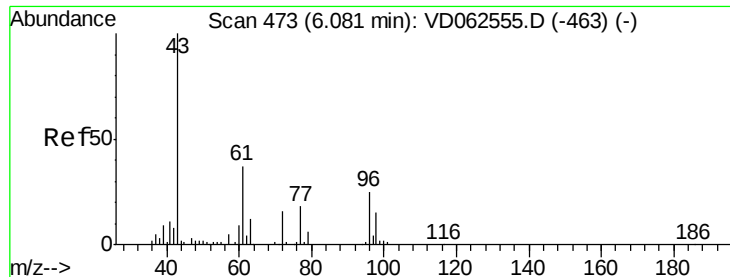
Tot Ion: 43 Resp: 5296
Ion Ratio Lower Upper
43 100
74 27.4 12.5 18.7#



#20
Methylene Chloride
Concen: 2.504 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD062604.D
Acq: 4 Jun 2019 17:59

Tgt Ion: 84 Resp: 13621
Ion Ratio Lower Upper
84 100
49 170.2 112.3 168.5#
51 65.7 33.6 50.4#
86 92.6 50.4 75.6#





#25

2-Butanone

Concen: 1.335 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.01 min

Lab File: VD062604.D

Acq: 4 Jun 2019 17:59

Instrument :

MSVOA_D

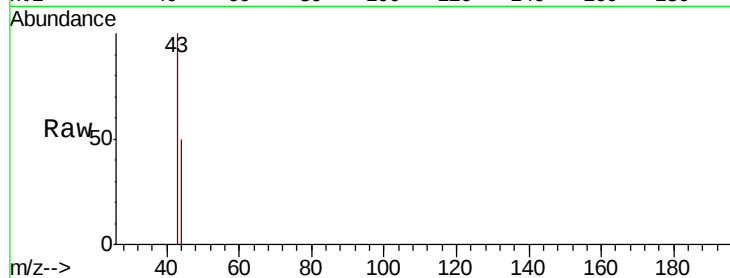
ClientSampled :

Tot Ion: 43 Resp: 1847

Ion Ratio Lower Upper

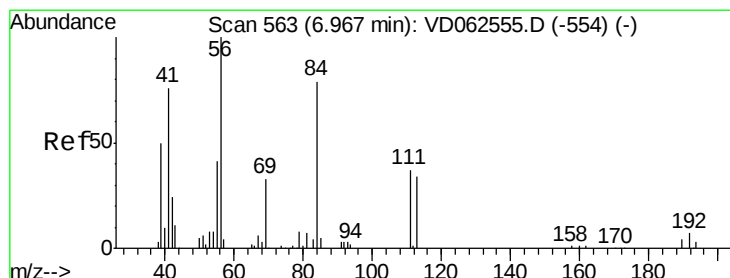
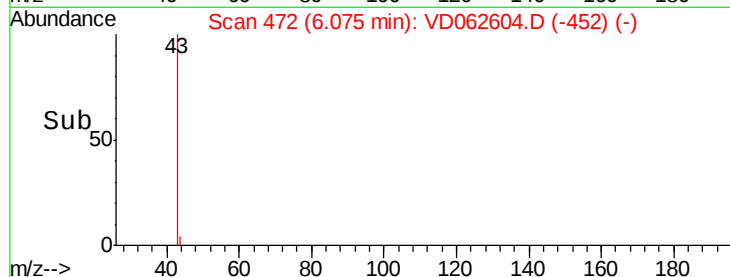
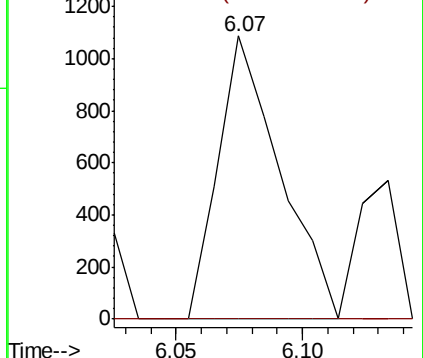
43 100

72 0.0 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 2.274 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.07 min

Lab File: VD062604.D

Acq: 4 Jun 2019 17:59

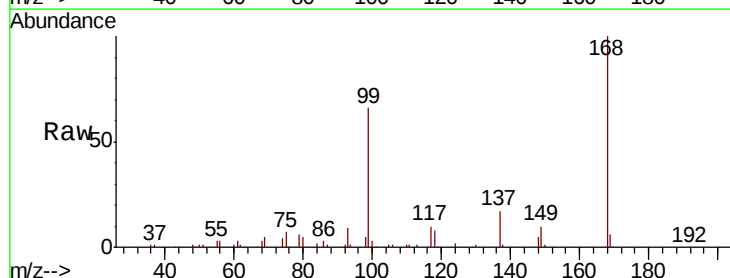
Tgt Ion: 56 Resp: 15792

Ion Ratio Lower Upper

56 100

69 198.8 26.2 39.2#

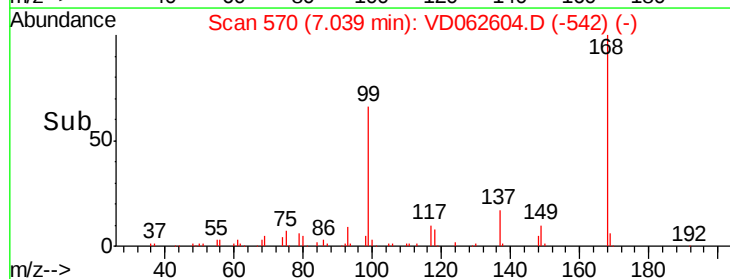
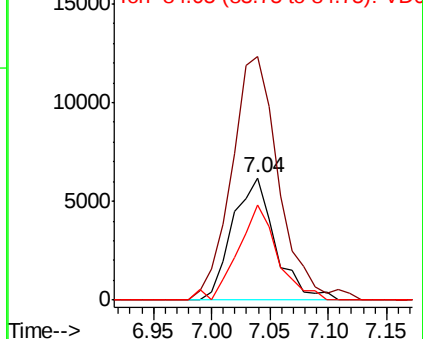
84 77.4 65.2 97.8

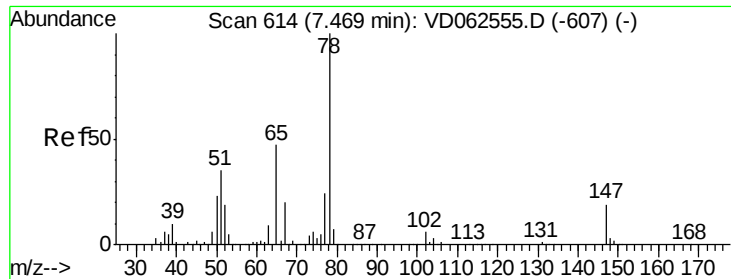


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 45.514 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.03 min

Lab File: VD062604.D

Acq: 4 Jun 2019 17:59

Instrument :

MSVOA_D

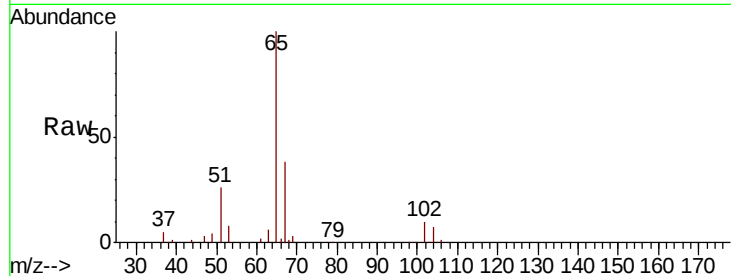
ClientSampled :

Tot Ion: 65 Resp: 340354

Ion Ratio Lower Upper

65 100

67 38.0 0.0 83.6



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.44

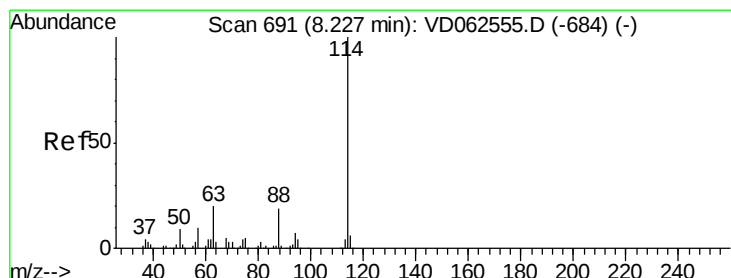
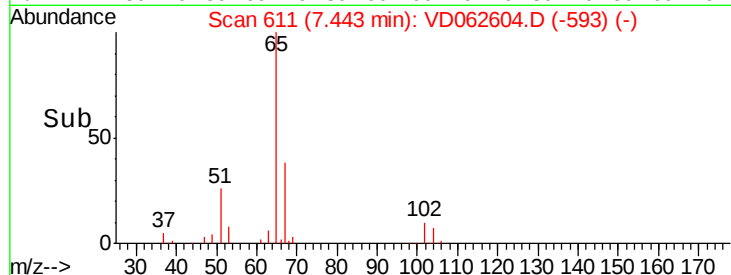
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.02 min

Lab File: VD062604.D

Acq: 4 Jun 2019 17:59

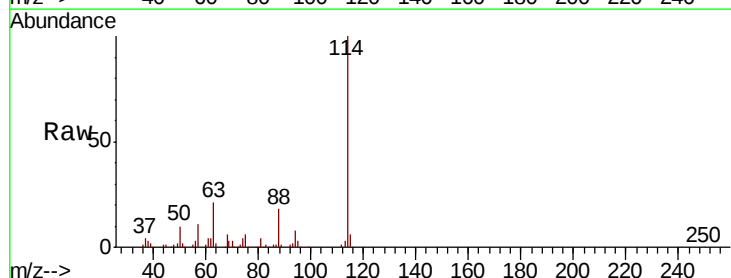
Tgt Ion: 114 Resp: 838319

Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.6

88 18.4 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

8.21

400000

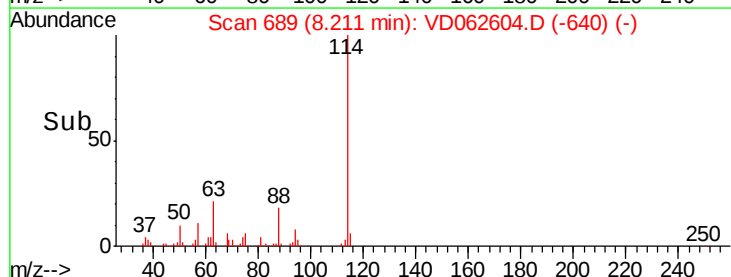
300000

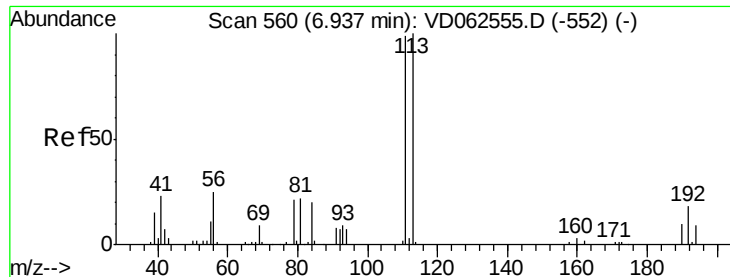
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 47.125 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD062604.D

Acq: 4 Jun 2019 17:59

Instrument :

MSVOA_D

ClientSampleId :

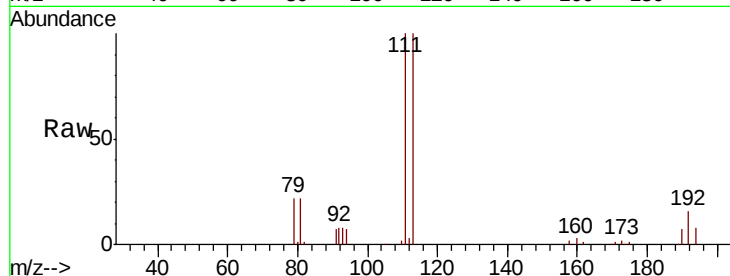
Tot Ion:113 Resp: 359998

Ion Ratio Lower Upper

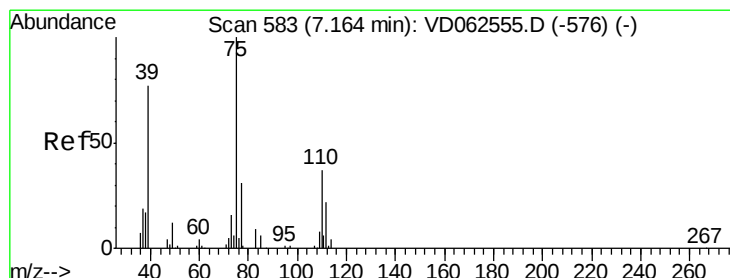
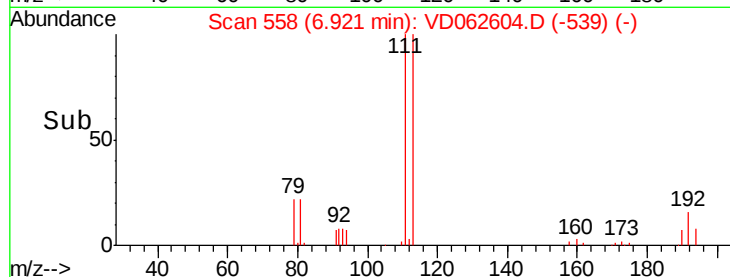
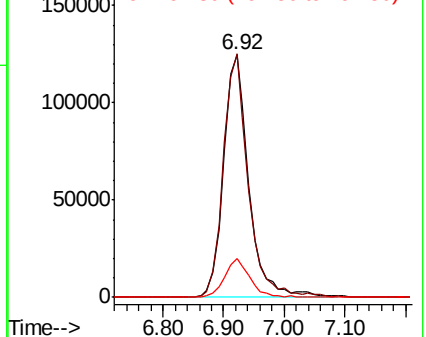
113 100

111 100.4 78.8 118.2

192 16.0 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: 5.998 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.13 min

Lab File: VD062604.D

Acq: 4 Jun 2019 17:59

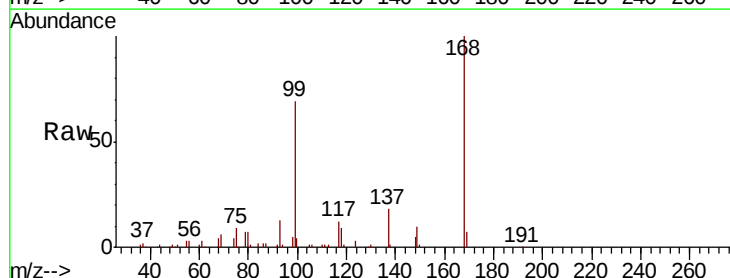
Tgt Ion: 75 Resp: 50058

Ion Ratio Lower Upper

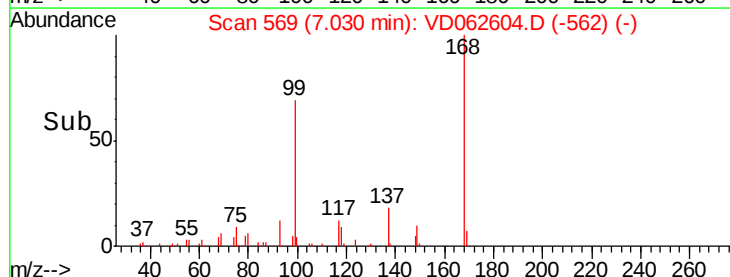
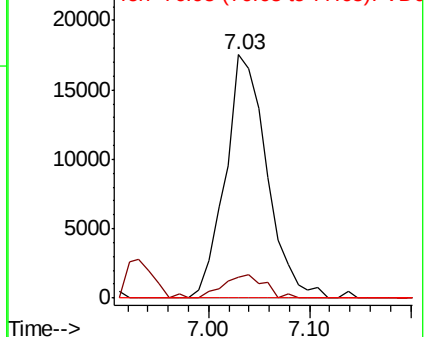
75 100

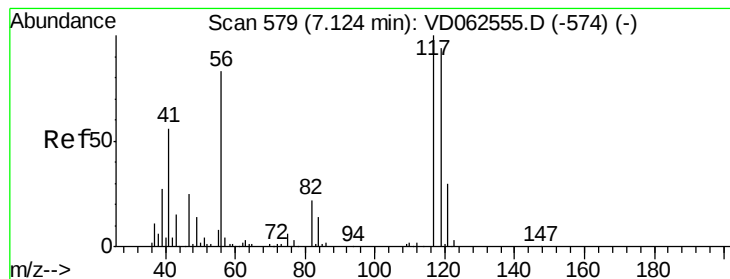
110 8.6 18.3 54.8#

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: 5.436 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.08 min

Lab File: VD062604.D

Acq: 4 Jun 2019 17:59

Instrument :

MSVOA_D

ClientSampled :

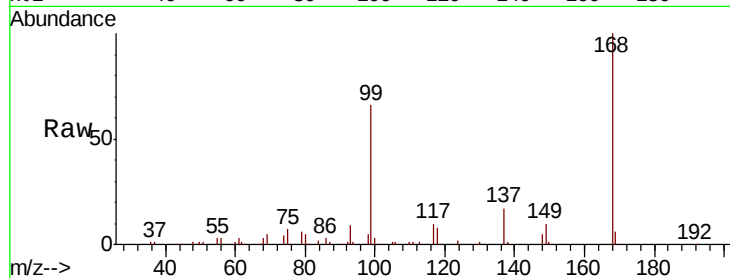
Tot Ion:117 Resp: 67536

Ion Ratio Lower Upper

117 100

119 4.9 71.4 107.2#

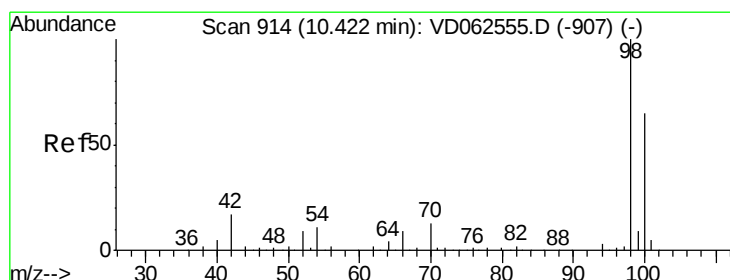
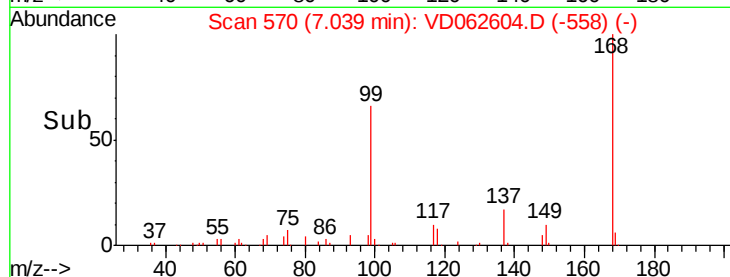
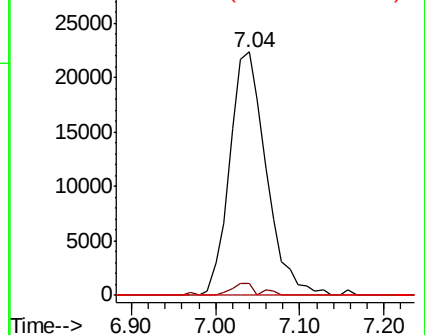
121 0.0 22.5 33.7#



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: 43.242 ug/l

RT: 10.41 min Scan# 912

Delta R.T. -0.02 min

Lab File: VD062604.D

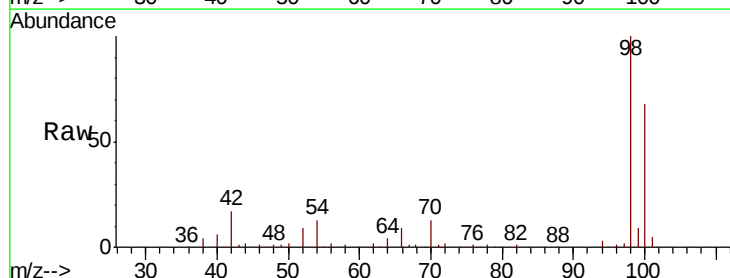
Acq: 4 Jun 2019 17:59

Tgt Ion: 98 Resp: 723785

Ion Ratio Lower Upper

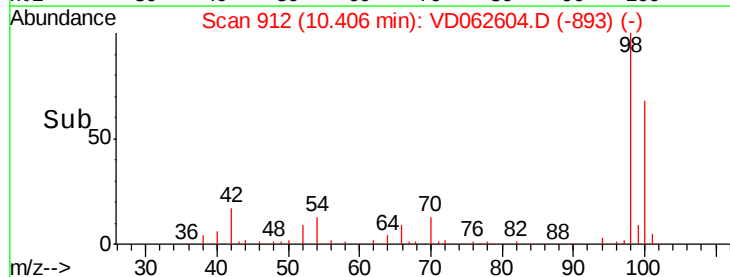
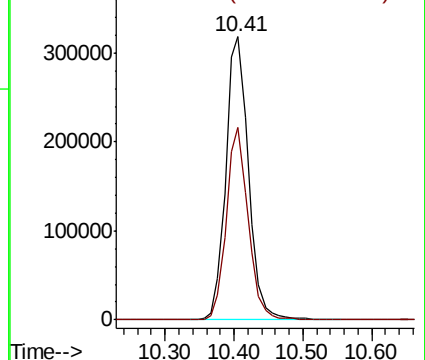
98 100

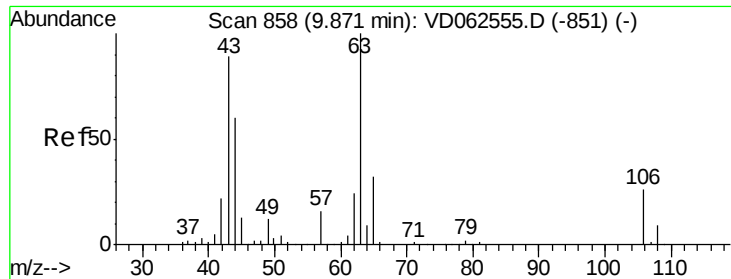
100 67.8 52.3 78.5



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

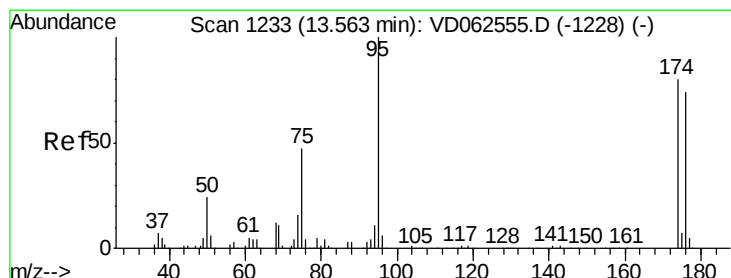
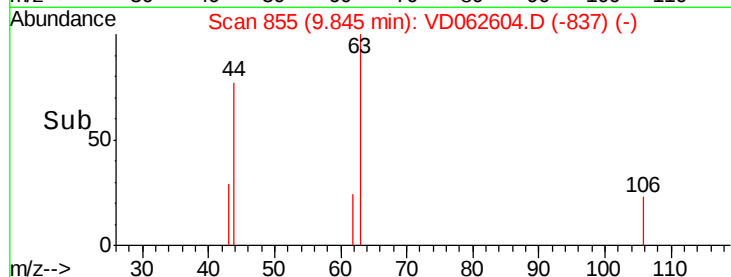
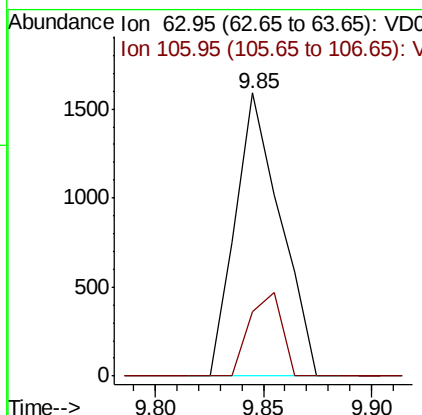
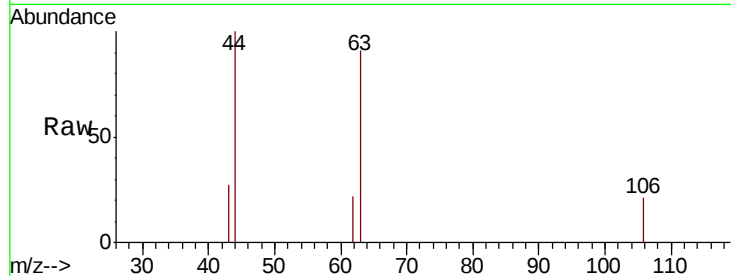




#58
 2-Chloroethyl Vinyl ether
 Concen: 1.159 ug/l
 RT: 9.85 min Scan# 855
 Delta R.T. -0.03 min
 Lab File: VD062604.D
 Acq: 4 Jun 2019 17:59

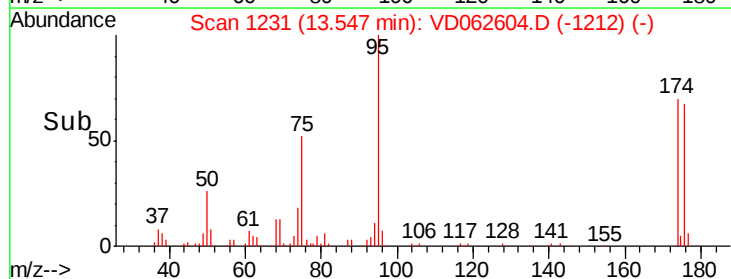
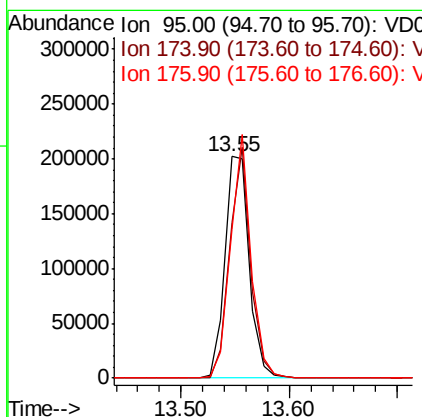
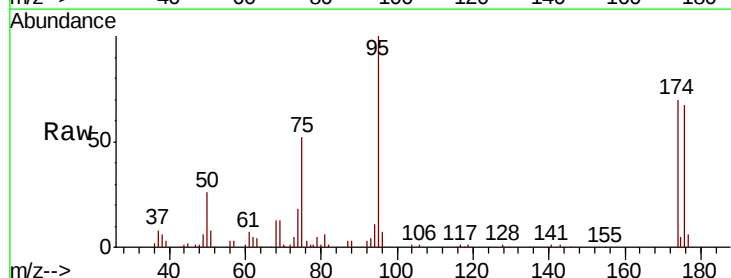
Instrument :
 MSVOA_D
 ClientSampleId :

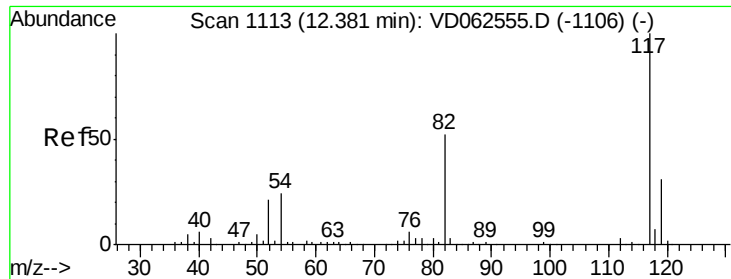
Tot Ion: 63 Resp: 2324
 Ion Ratio Lower Upper
 63 100
 106 22.7 21.0 31.4



#62
 4-Bromofluorobenzene
 Concen: 41.978 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.02 min
 Lab File: VD062604.D
 Acq: 4 Jun 2019 17:59

Tgt Ion: 95 Resp: 316865
 Ion Ratio Lower Upper
 95 100
 174 70.5 0.0 160.2
 176 67.1 0.0 148.0

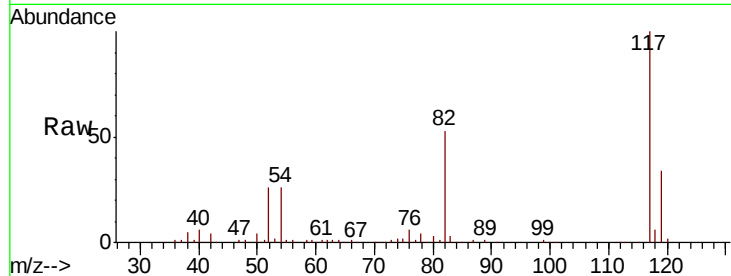




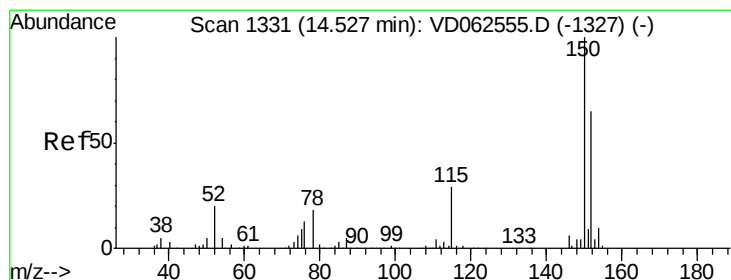
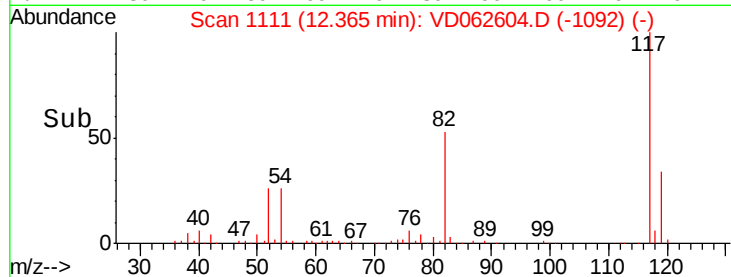
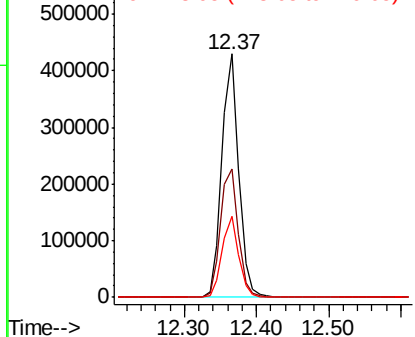
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD062604.D
Acq: 4 Jun 2019 17:59

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 694390
Ion Ratio Lower Upper
117 100
82 52.8 41.4 62.2
119 33.5 24.9 37.3

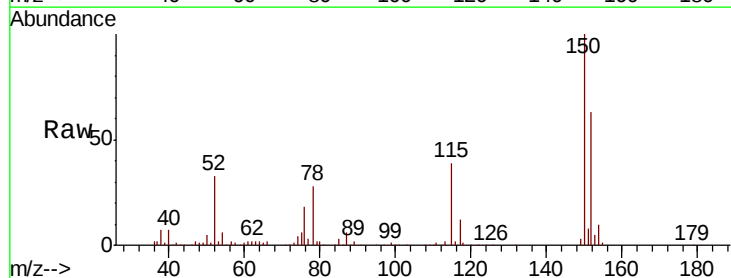


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

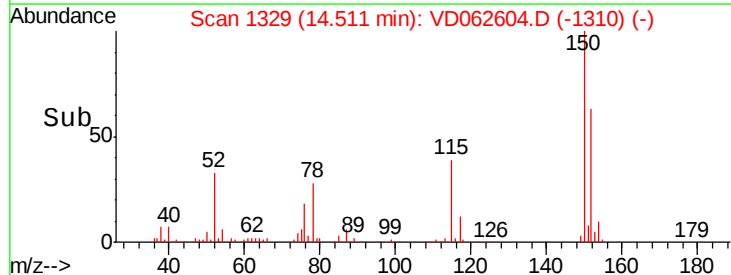
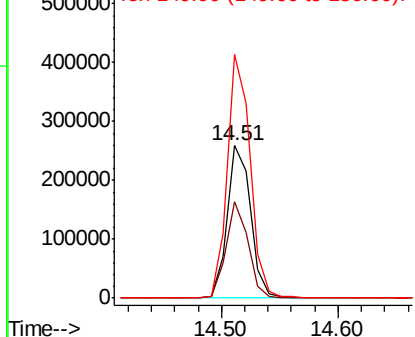


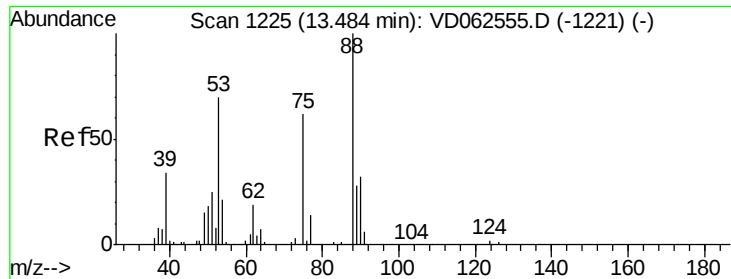
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.02 min
Lab File: VD062604.D
Acq: 4 Jun 2019 17:59

Tgt Ion:152 Resp: 359680
Ion Ratio Lower Upper
152 100
115 63.1 28.4 85.3
150 160.0 0.0 310.4



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: 133.112 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.06 min

Lab File: VD062604.D

Acq: 4 Jun 2019 17:59

Instrument :

MSVOA_D

ClientSampleId :

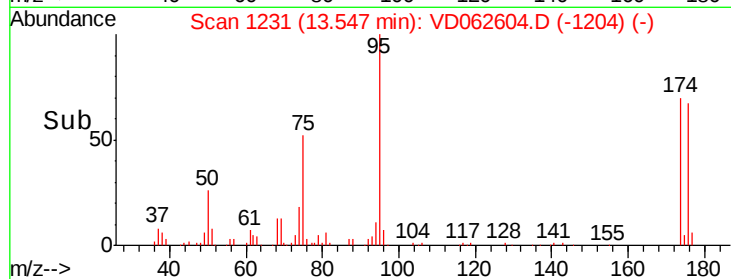
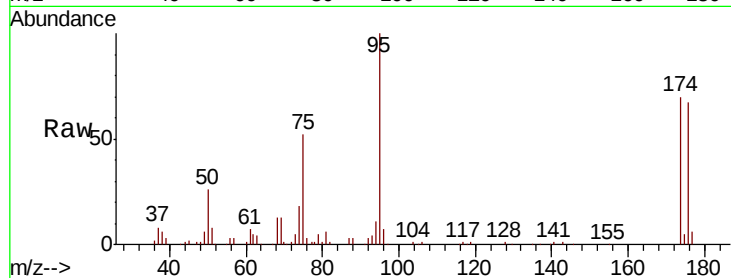
Tot Ion: 75 Resp: 164588

Ion Ratio Lower Upper

75 100

53 0.0 91.0 136.4#

89 0.0 36.9 55.3#



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

