

Data Path : W:\HPCHEM1\MSVOA_D\DATA\VD032818\
 Data File : VD057002.D
 Acq On : 28 Mar 2018 15:21
 Operator : JC/SY
 Sample : J1749-05RE
 Misc : 5.84g/5ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BU-03-032618RE

Quant Time: Mar 29 05:52:08 2018
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D031518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 15 13:41:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.17	168	375028	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.30	114	701032	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.48	117	511405	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.84	152	170105	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.58	65	257272	61.49	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	122.98%	
35) Dibromofluoromethane	6.07	113	274345	55.11	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	110.22%	
50) Toluene-d8	9.48	98	740793	48.37	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	96.74%	
62) 4-Bromofluorobenzene	12.77	95	269379	40.22	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	80.44%	

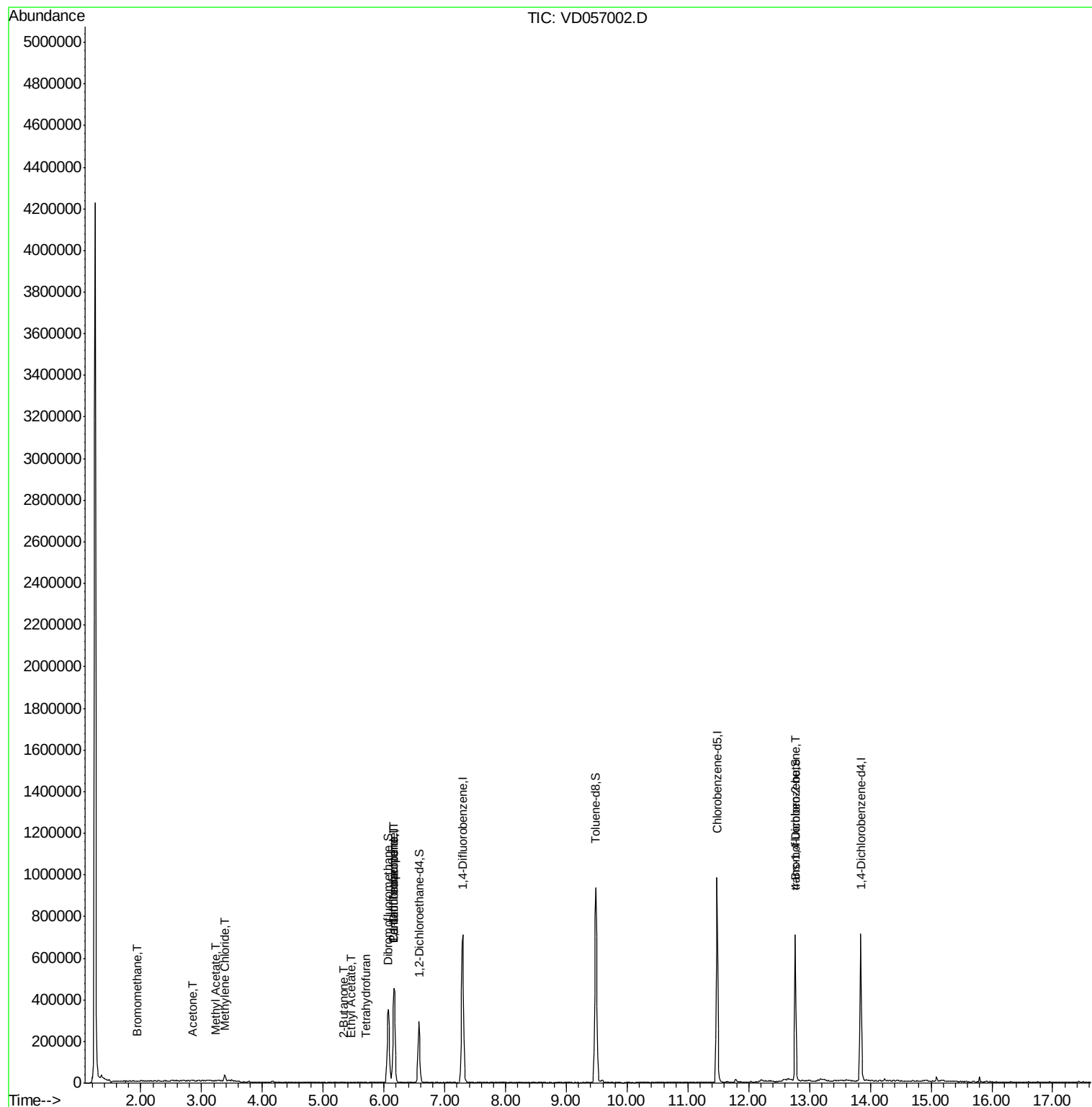
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.93	94	1624	1.12	ug/l	# 4
13) Acrolein	2.68	56	208	Below Cal		# 10
16) Acetone	2.86	43	5951	9.30	ug/l	# 61
18) Methyl Acetate	3.24	43	2707	1.46	ug/l	# 57
20) Methylene Chloride	3.38	84	11561	1.26	ug/l	# 88
25) 2-Butanone	5.32	43	3134	2.12	ug/l	# 64
29) Tetrahydrofuran	5.70	42	1034	1.24	ug/l	# 37
31) Cyclohexane	6.16	56	9804	Below Cal		# 1
36) 1,1-Dichloropropene	6.16	75	36992	4.82	ug/l	# 52
37) Ethyl Acetate	5.45	43	181	1.59	ug/l	# 70
38) Carbon Tetrachloride	6.17	117	40629	6.17	ug/l	# 15
81) trans-1,4-Dichloro-2-buten	12.76	75	131455	141.18	ug/l	# 18

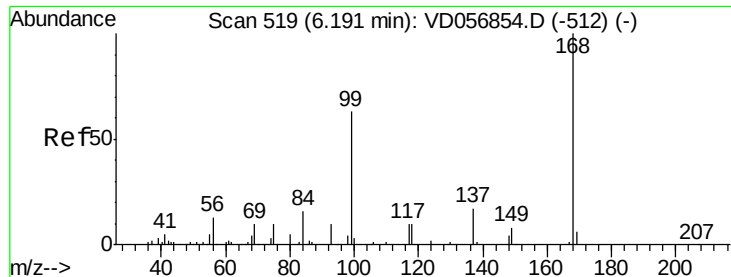
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.17 min Scan# 517

Delta R.T. -0.03 min

Lab File: VD057002.D

Acq: 28 Mar 2018 15:21

Instrument :

MSVOA_X

ClientSampleId :

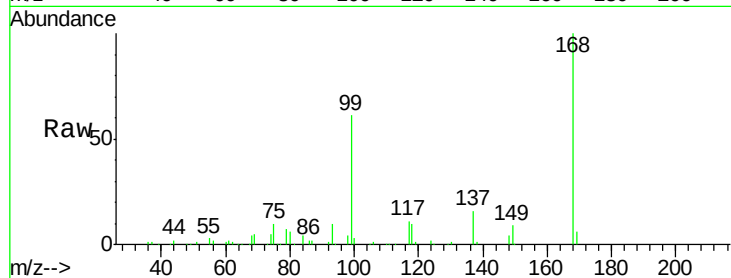
BU-03-032618RE

Tgt Ion:168 Resp: 375028

Ion Ratio Lower Upper

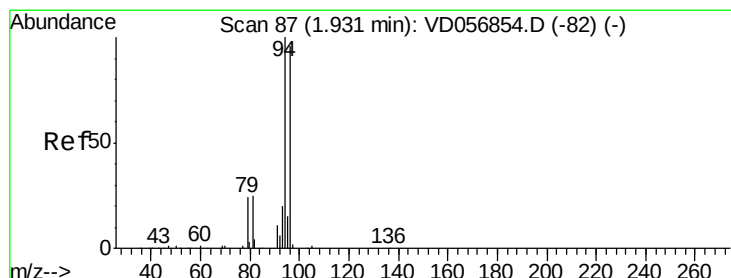
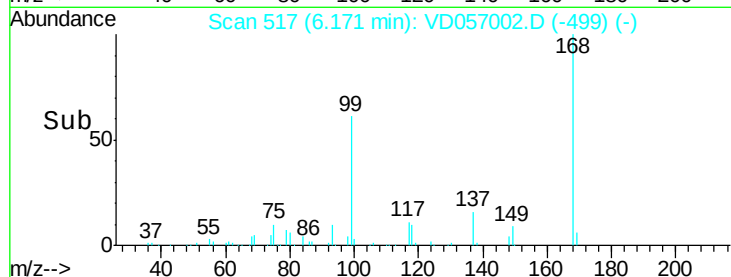
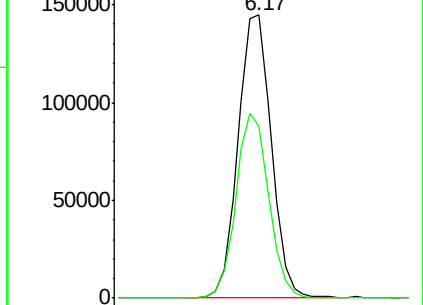
168 100

99 60.8 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 1.12 ug/l

RT: 1.93 min Scan# 87

Delta R.T. 0.01 min

Lab File: VD057002.D

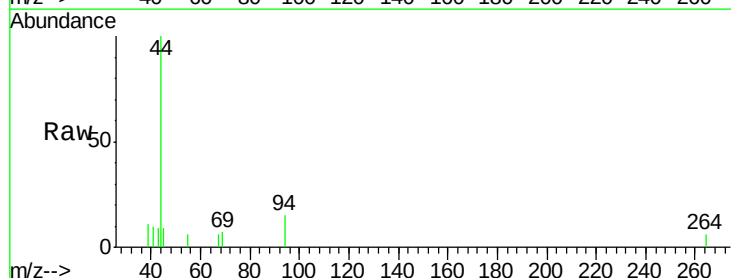
Acq: 28 Mar 2018 15:21

Tgt Ion: 94 Resp: 1624

Ion Ratio Lower Upper

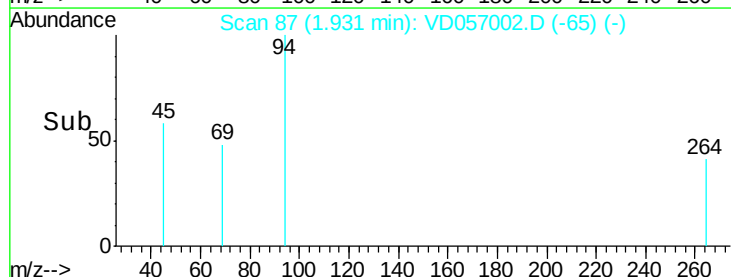
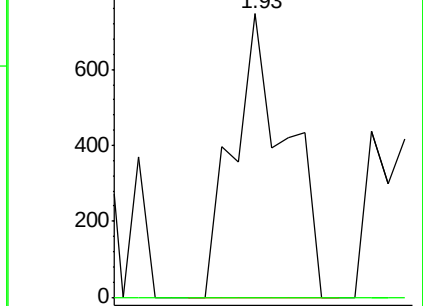
94 100

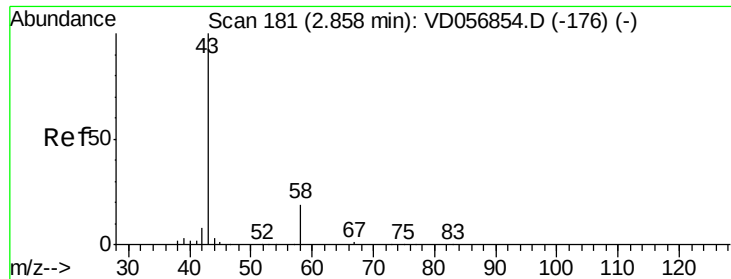
96 0.0 72.2 108.2#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 9.30 ug/l

RT: 2.86 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD057002.D

Acq: 28 Mar 2018 15:21

Instrument :

MSVOA_X

ClientSampleId :

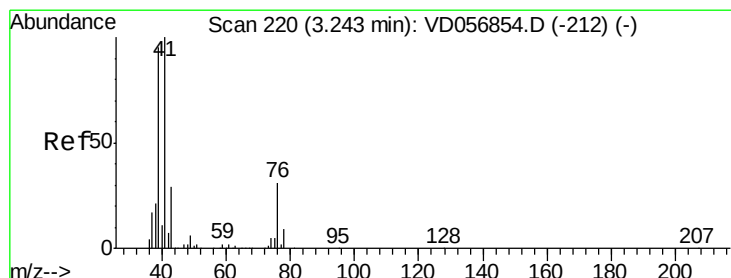
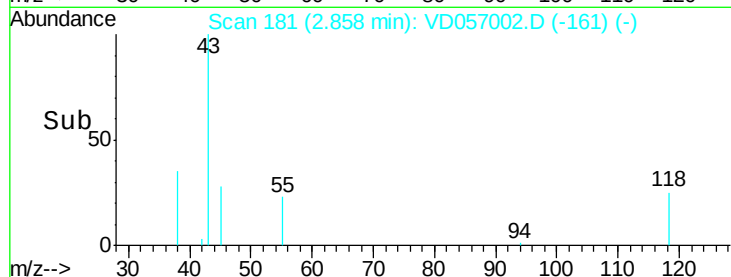
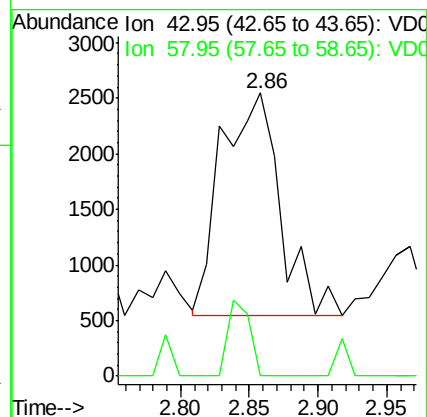
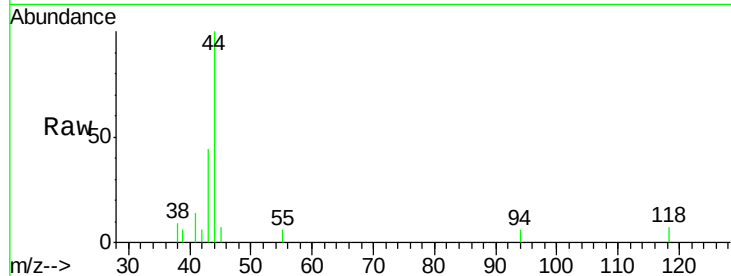
BU-03-032618RE

Tgt Ion: 43 Resp: 5951

Ion Ratio Lower Upper

43 100

58 0.0 13.6 20.4#



#18

Methyl Acetate

Concen: 1.46 ug/l

RT: 3.24 min Scan# 220

Delta R.T. -0.01 min

Lab File: VD057002.D

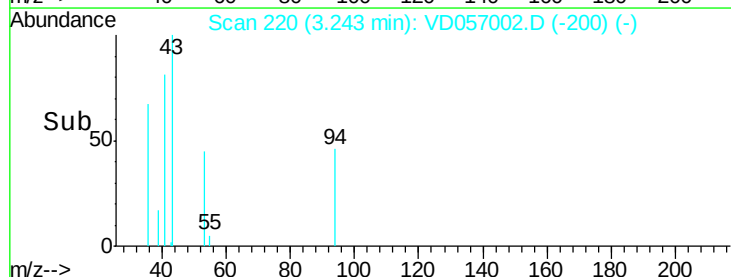
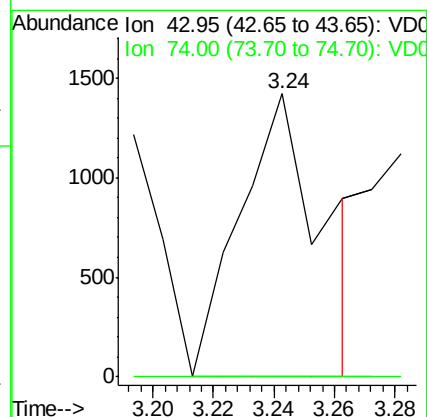
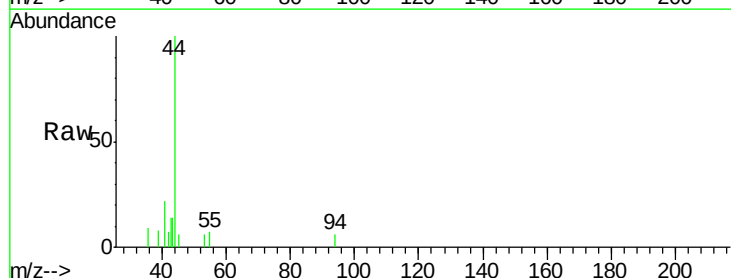
Acq: 28 Mar 2018 15:21

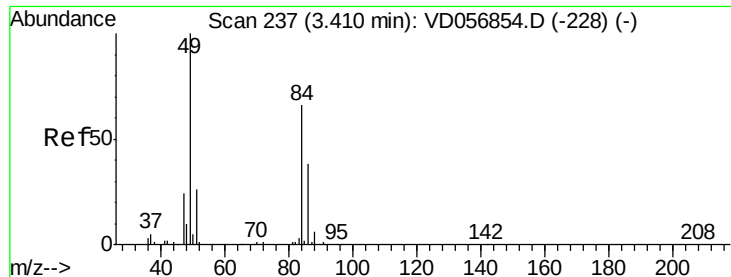
Tgt Ion: 43 Resp: 2707

Ion Ratio Lower Upper

43 100

74 0.0 15.6 23.4#

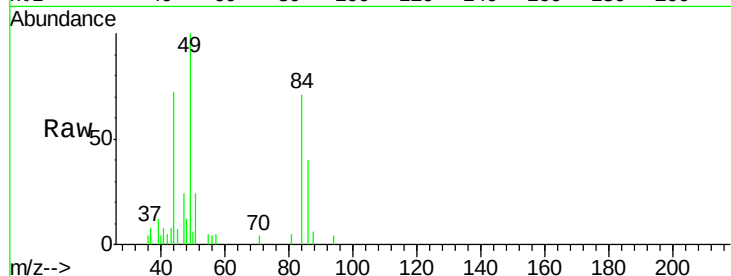




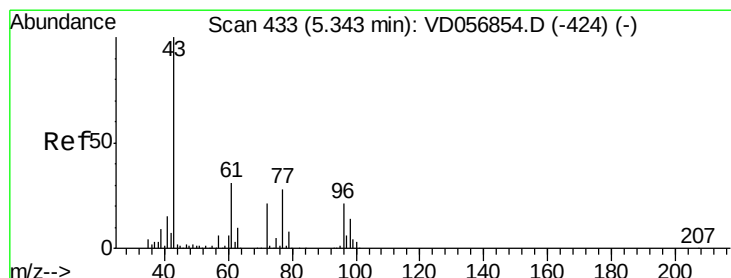
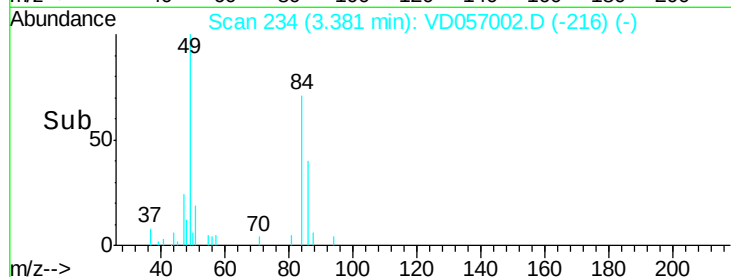
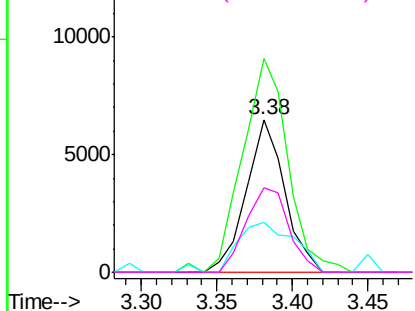
#20
Methylene Chloride
Concen: 1.26 ug/l
RT: 3.38 min Scan# 234
Delta R.T. -0.03 min
Lab File: VD057002.D
Acq: 28 Mar 2018 15:21

Instrument :
MSVOA_X
ClientSampleId :
BU-03-032618RE

Tgt Ion: 84 Resp: 11561
Ion Ratio Lower Upper
84 100
49 140.0 124.5 186.7
51 33.1 35.1 52.7#
86 55.7 49.9 74.9

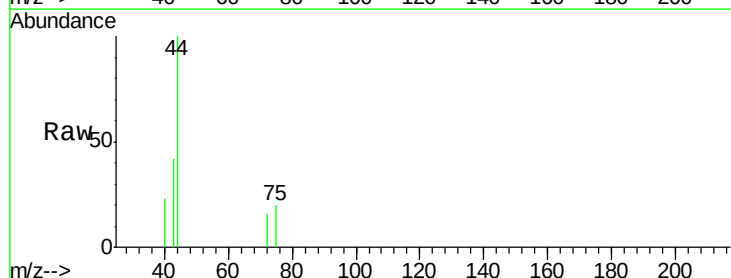


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

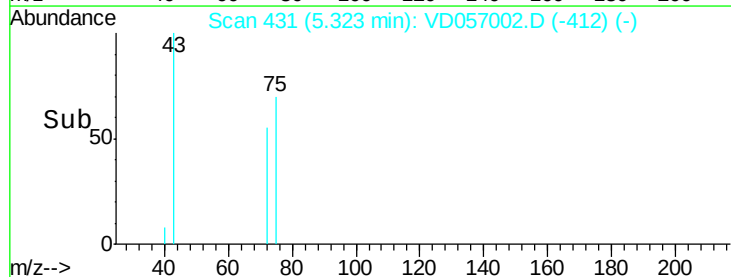
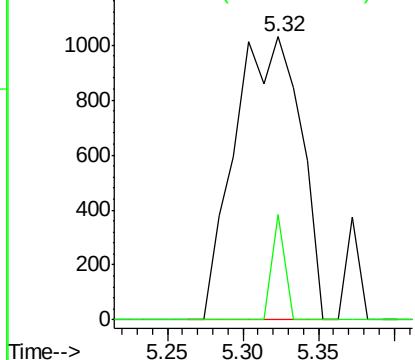


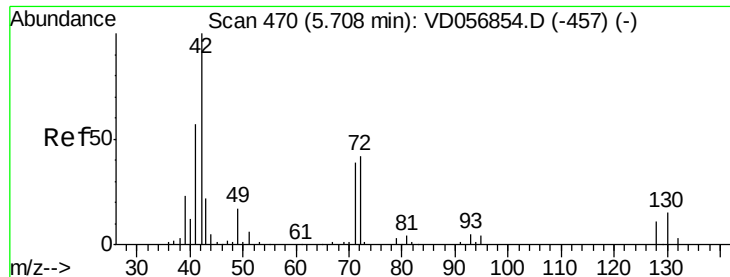
#25
2-Butanone
Concen: 2.12 ug/l
RT: 5.32 min Scan# 431
Delta R.T. -0.02 min
Lab File: VD057002.D
Acq: 28 Mar 2018 15:21

Tgt Ion: 43 Resp: 3134
Ion Ratio Lower Upper
43 100
72 37.4 16.6 24.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 1.24 ug/l

RT: 5.70 min Scan# 469

Delta R.T. -0.02 min

Lab File: VD057002.D

Acq: 28 Mar 2018 15:21

Instrument :

MSVOA_X

ClientSampleId :

BU-03-032618RE

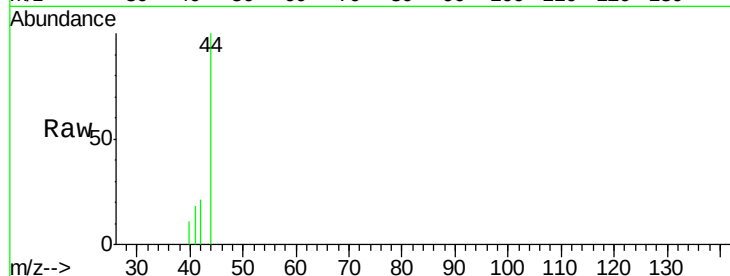
Tgt Ion: 42 Resp: 1034

Ion Ratio Lower Upper

42 100

72 0.0 30.9 46.3#

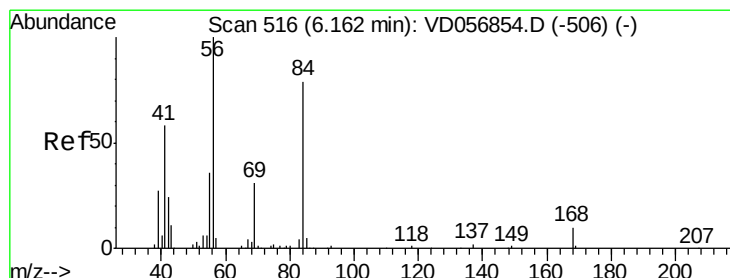
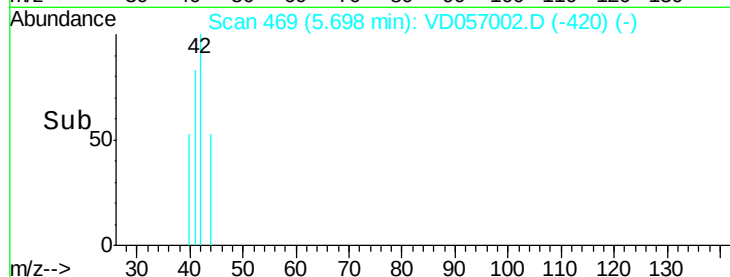
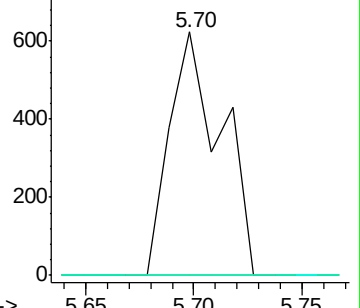
71 0.0 30.4 45.6#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: Below Cal

RT: 6.16 min Scan# 516

Delta R.T. 0.00 min

Lab File: VD057002.D

Acq: 28 Mar 2018 15:21

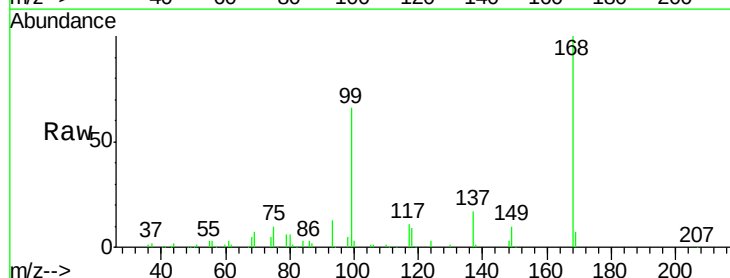
Tgt Ion: 56 Resp: 9804

Ion Ratio Lower Upper

56 100

69 257.4 23.1 34.7#

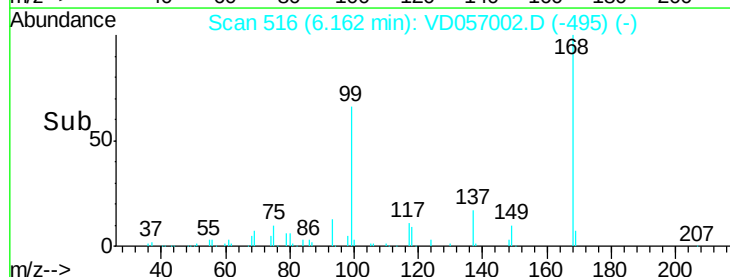
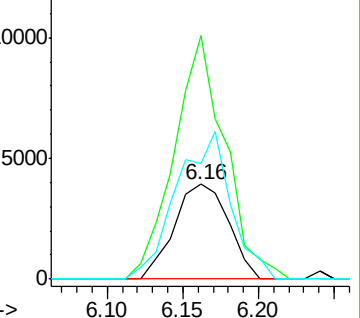
84 122.6 60.2 90.2#

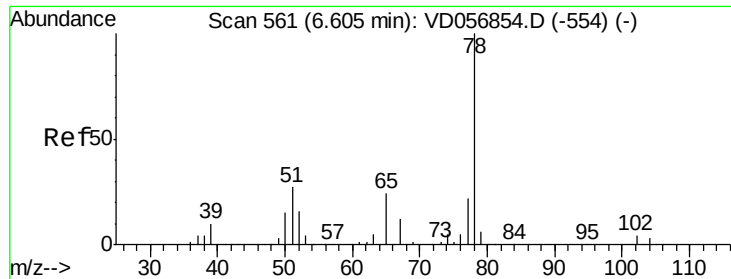


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

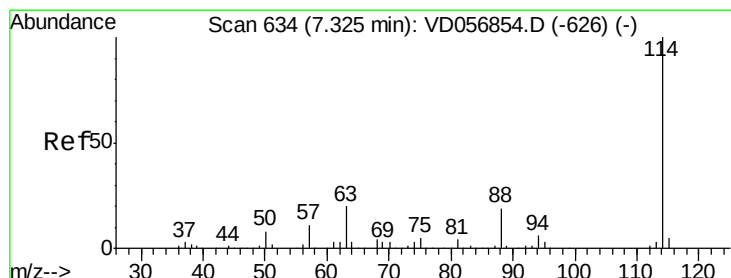
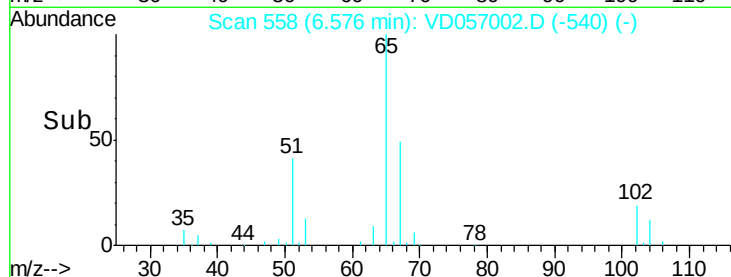
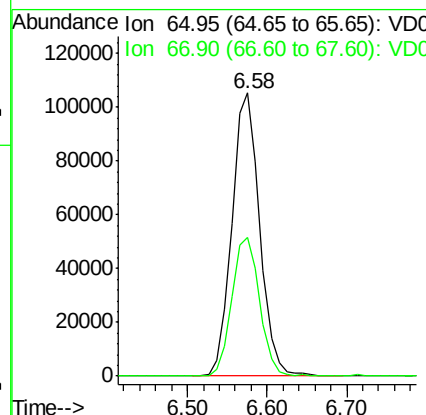
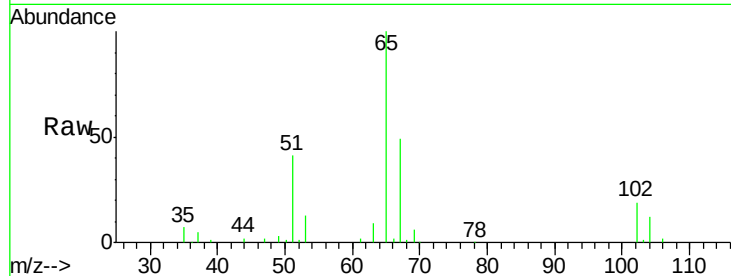




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.58 min Scan# 558
 Delta R.T. -0.03 min
 Lab File: VD057002.D
 Acq: 28 Mar 2018 15:21

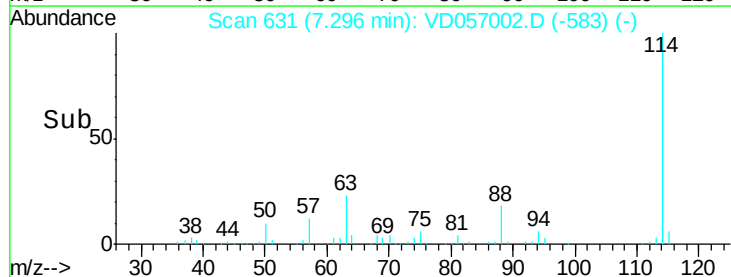
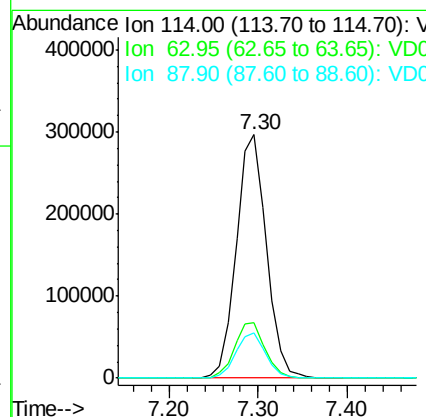
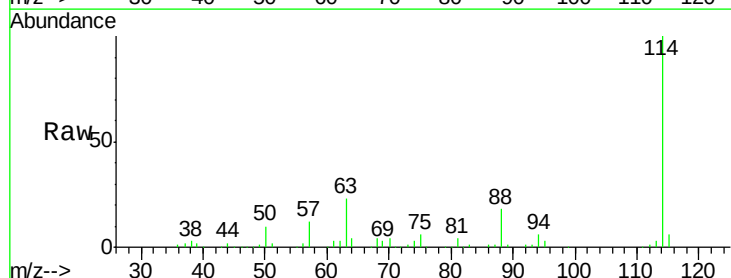
Instrument :
 MSVOA_X
 ClientSampleId :
 BU-03-032618RE

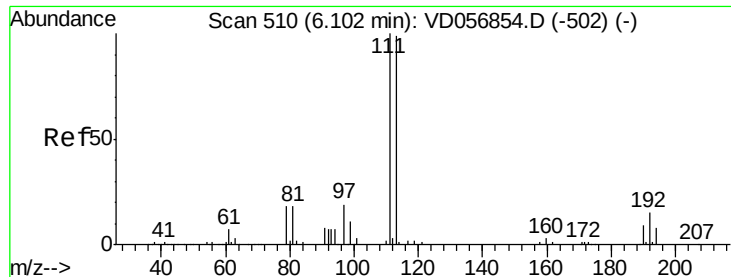
Tgt Ion: 65 Resp: 257272
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.30 min Scan# 631
 Delta R.T. -0.03 min
 Lab File: VD057002.D
 Acq: 28 Mar 2018 15:21

Tgt Ion: 114 Resp: 701032
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 42.6
 88 18.4 0.0 35.2





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.07 min Scan# 507

Delta R.T. -0.03 min

Lab File: VD057002.D

Acq: 28 Mar 2018 15:21

Instrument :

MSVOA_X

ClientSampleId :

BU-03-032618RE

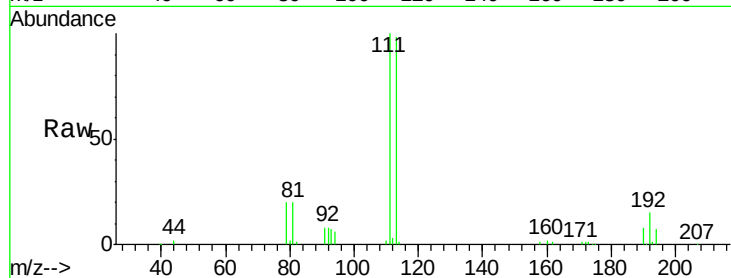
Tgt Ion:113 Resp: 274345

Ion Ratio Lower Upper

113 100

111 101.7 81.5 122.3

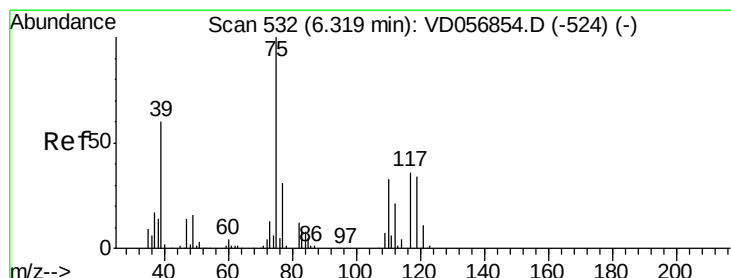
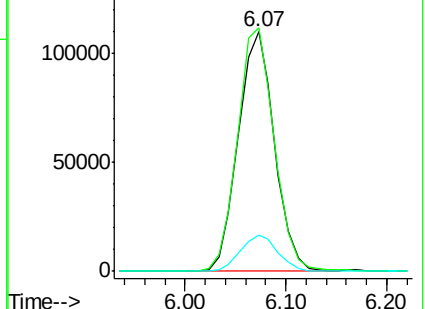
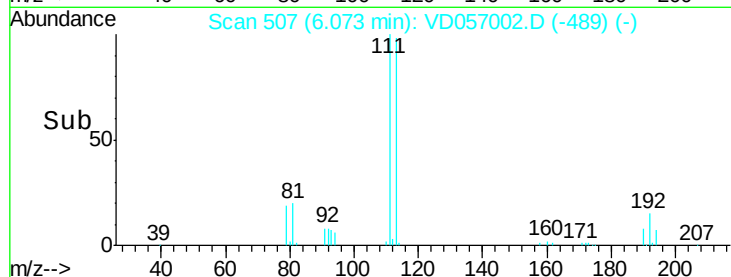
192 15.2 12.6 19.0



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: 4.82 ug/l

RT: 6.16 min Scan# 516

Delta R.T. -0.15 min

Lab File: VD057002.D

Acq: 28 Mar 2018 15:21

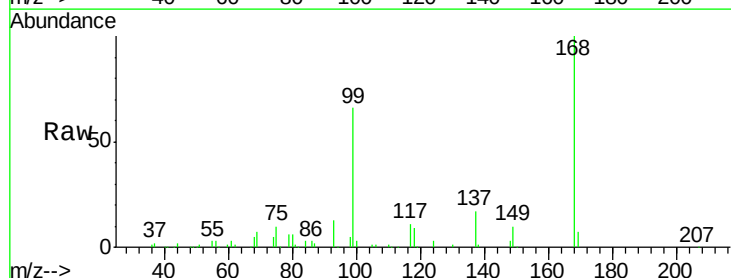
Tgt Ion: 75 Resp: 36992

Ion Ratio Lower Upper

75 100

110 8.9 15.9 47.6#

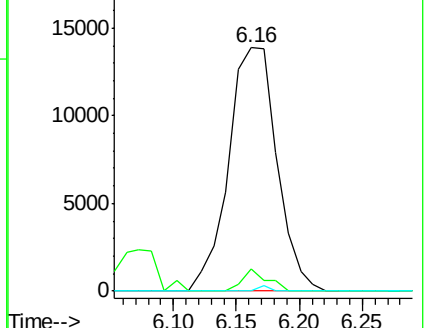
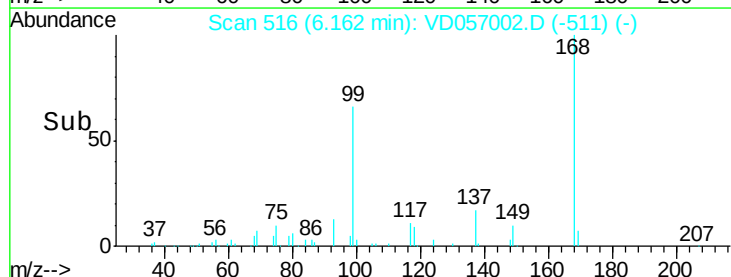
77 0.0 23.8 35.6#

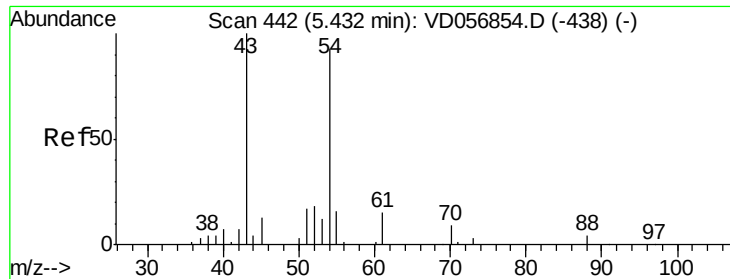


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 1.59 ug/l

RT: 5.45 min Scan# 444

Delta R.T. 0.01 min

Lab File: VD057002.D

Acq: 28 Mar 2018 15:21

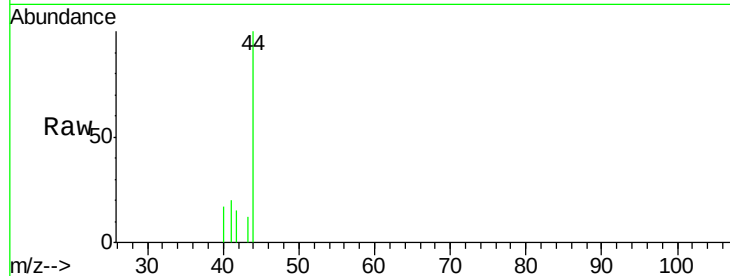
Instrument :

MSVOA_X

ClientSampleId :

BU-03-032618RE

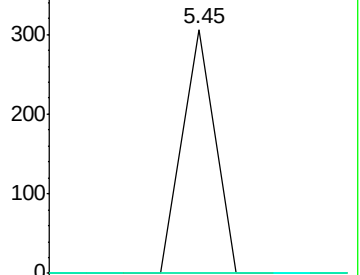
Tgt Ion:	43	Resp:	181
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.0	15.0#
70	0.0	7.9	11.9#



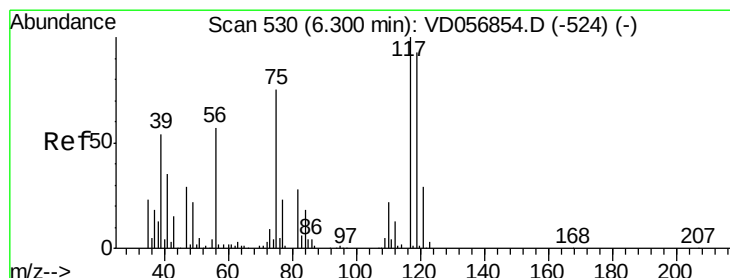
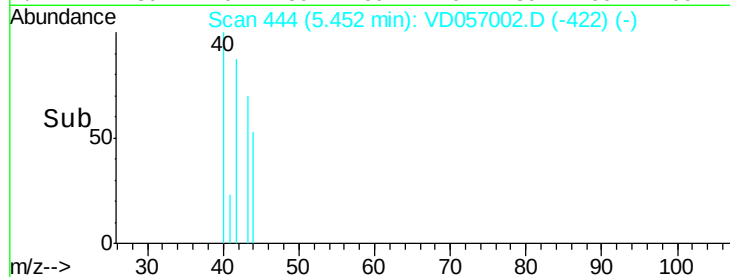
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



Time-->



#38

Carbon Tetrachloride

Concen: 6.17 ug/l

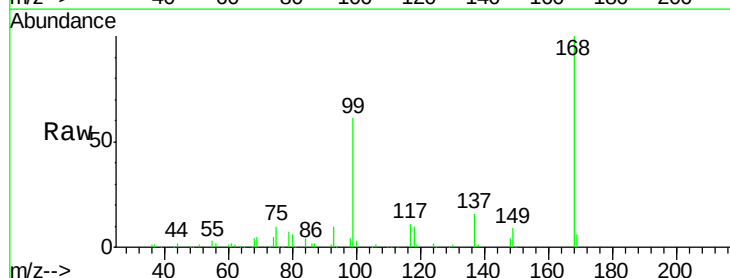
RT: 6.17 min Scan# 517

Delta R.T. -0.12 min

Lab File: VD057002.D

Acq: 28 Mar 2018 15:21

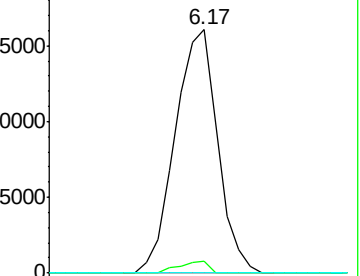
Tgt Ion:	117	Resp:	40629
Ion	Ratio	Lower	Upper
117	100		
119	5.0	78.2	117.2#
121	0.0	24.6	37.0#



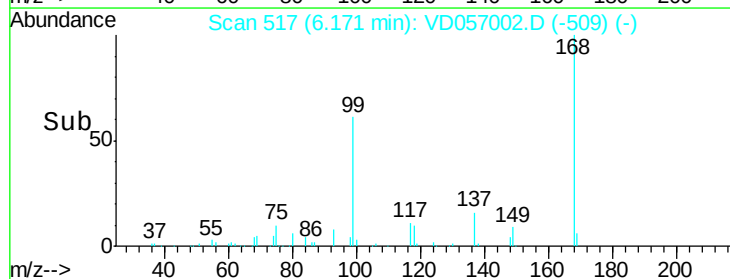
Abundance Ion 116.85 (116.55 to 117.55): V

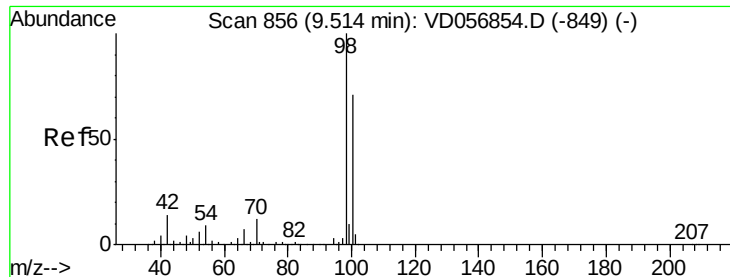
Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



Time-->

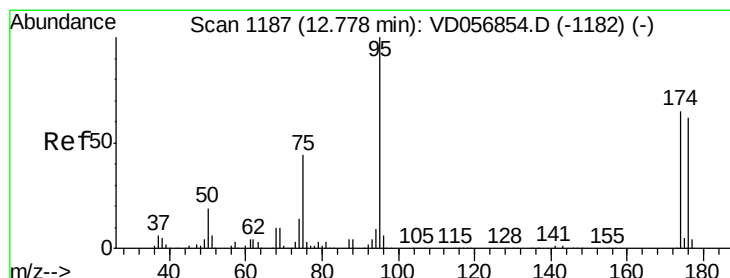
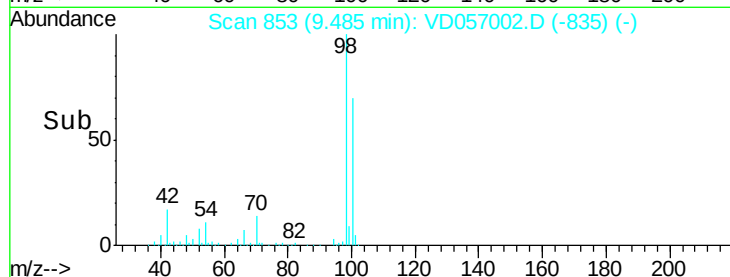
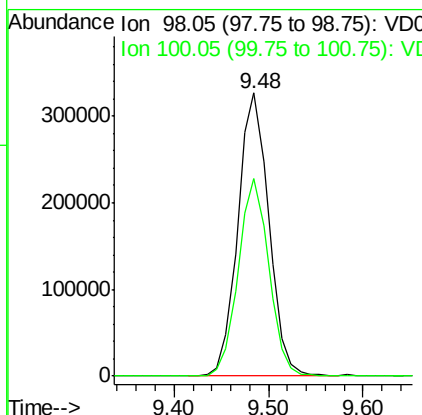
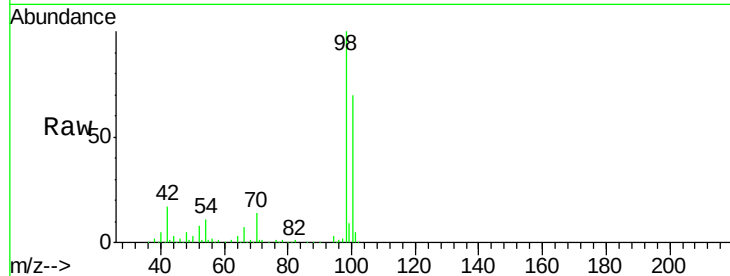




#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.48 min Scan# 853
Delta R.T. -0.03 min
Lab File: VD057002.D
Acq: 28 Mar 2018 15:21

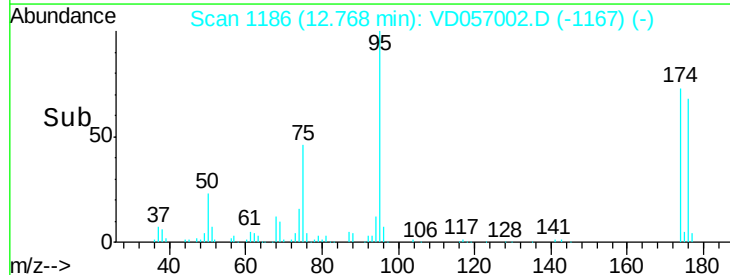
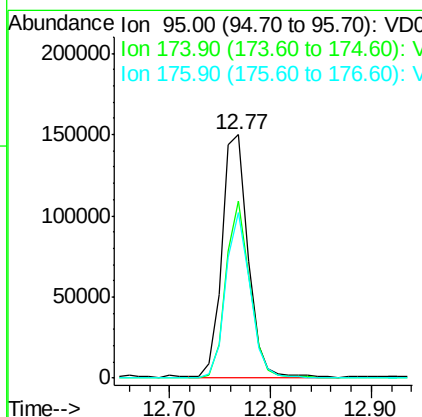
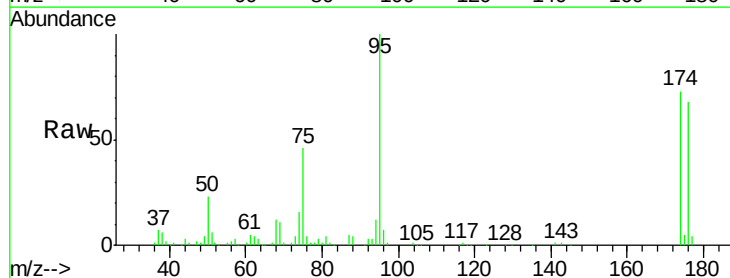
Instrument :
MSVOA_X
ClientSampleId :
BU-03-032618RE

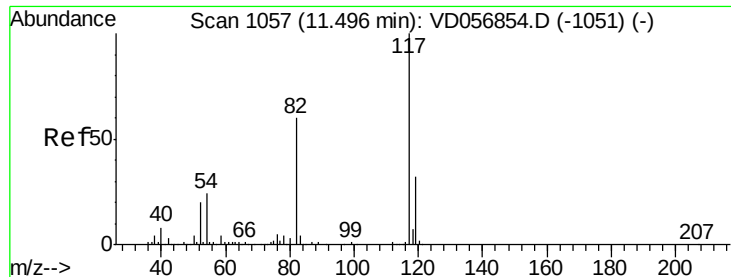
Tgt Ion: 98 Resp: 740793
Ion Ratio Lower Upper
98 100
100 69.6 56.2 84.4



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.77 min Scan# 1186
Delta R.T. -0.02 min
Lab File: VD057002.D
Acq: 28 Mar 2018 15:21

Tgt Ion: 95 Resp: 269379
Ion Ratio Lower Upper
95 100
174 72.7 0.0 143.6
176 68.1 0.0 141.2

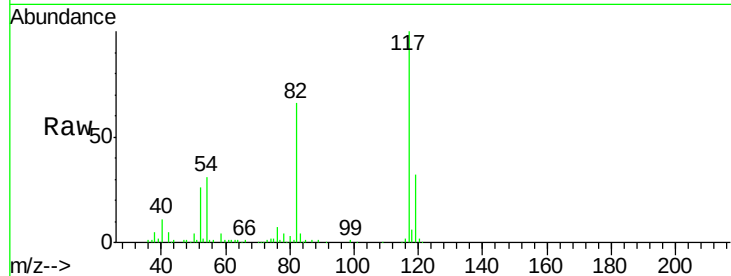




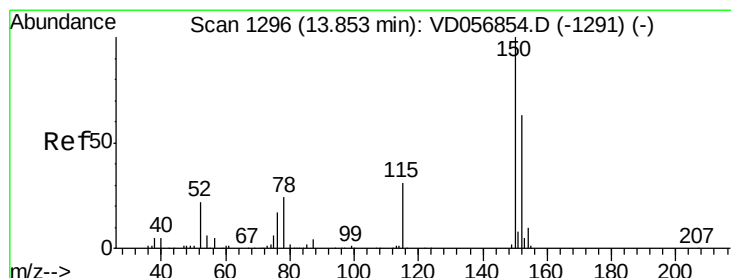
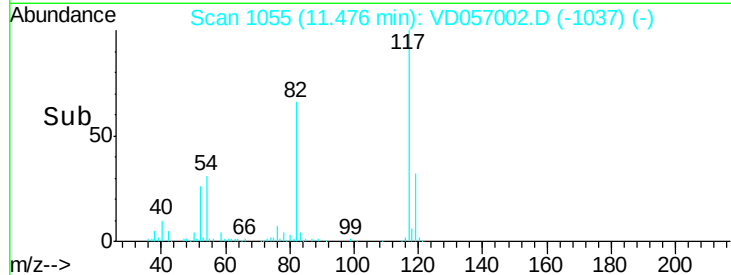
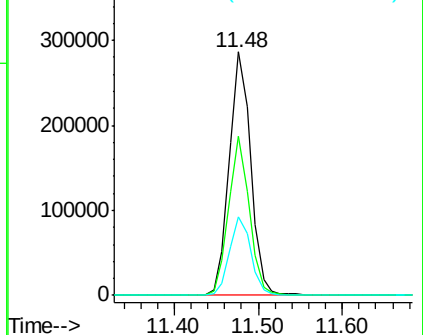
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.48 min Scan# 1055
Delta R.T. -0.03 min
Lab File: VD057002.D
Acq: 28 Mar 2018 15:21

Instrument :
MSVOA_X
ClientSampleId :
BU-03-032618RE

Tgt Ion:117 Resp: 511405
Ion Ratio Lower Upper
117 100
82 65.6 46.2 69.4
119 32.3 25.8 38.6

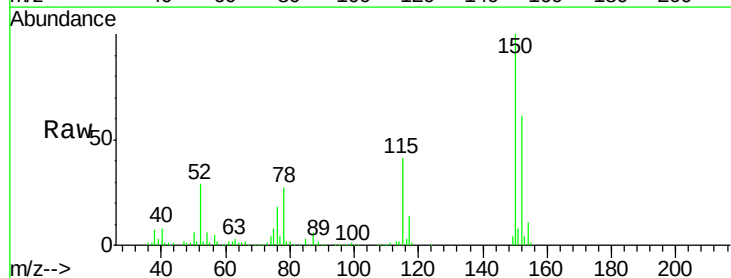


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

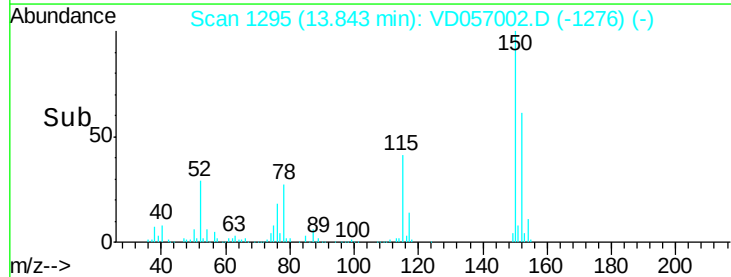
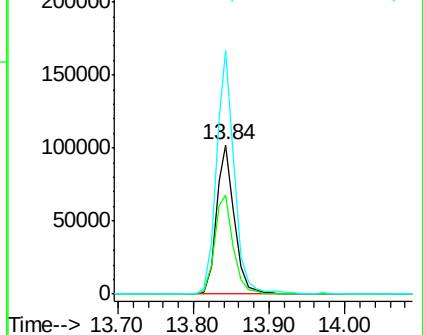


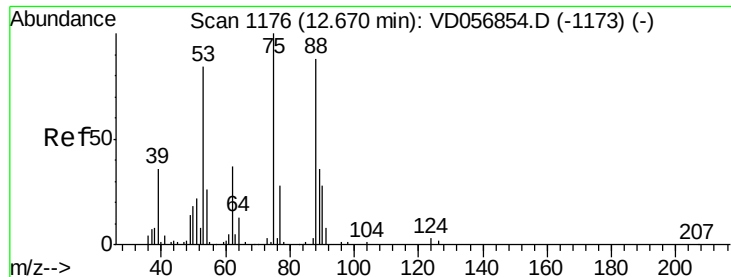
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.84 min Scan# 1295
Delta R.T. -0.02 min
Lab File: VD057002.D
Acq: 28 Mar 2018 15:21

Tgt Ion:152 Resp: 170105
Ion Ratio Lower Upper
152 100
115 66.3 31.2 93.6
150 163.0 0.0 334.8



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: 141.18 ug/l

RT: 12.76 min Scan# 1185

Delta R.T. 0.08 min

Lab File: VD057002.D

Acq: 28 Mar 2018 15:21

Instrument :

MSVOA_X

ClientSampleId :

BU-03-032618RE

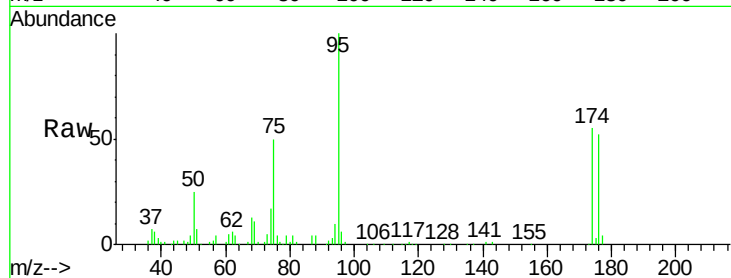
Tgt Ion: 75 Resp: 131455

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.0 31.6 47.4#



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

