

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111318\
 Data File : VD060354.D
 Acq On : 13 Nov 2018 11:32
 Operator : JC/SY
 Sample : VD1113SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 14 11:09:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1680992	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.46	114	2230655	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.30	117	1819054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	913689	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.80	65	575395	47.81	ug/l	0.00
Spiked Amount			Recovery	=	95.62%	
35) Dibromofluoromethane	6.34	113	814712	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
50) Toluene-d8	9.47	98	2401559	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
62) 4-Bromofluorobenzene	12.44	95	858275	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	

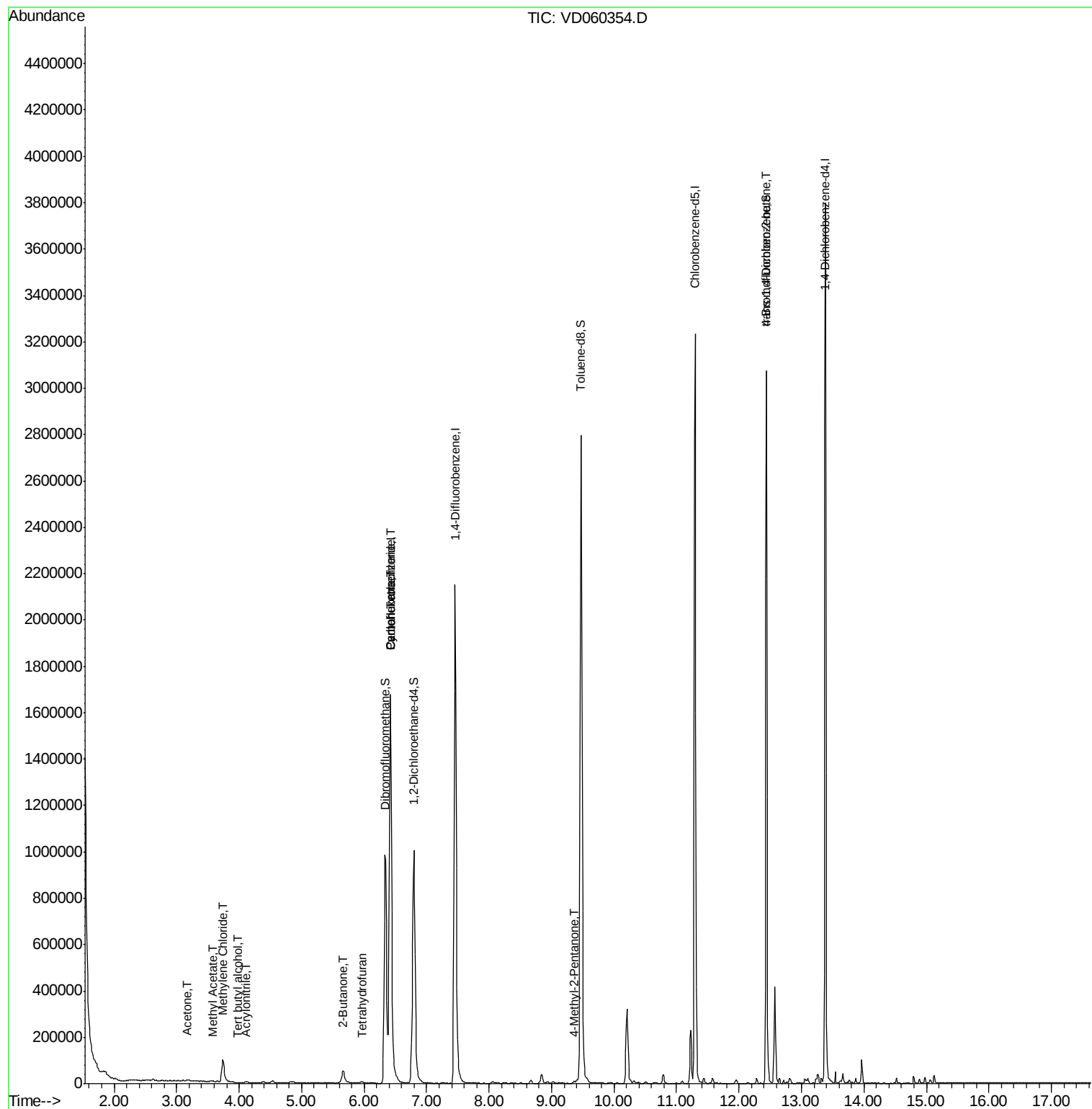
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	3399	Below Cal		85
11) Tert butyl alcohol	3.96	59	1388	2.808	ug/l #	70
15) Acrylonitrile	4.10	53	4043	1.403	ug/l #	80
16) Acetone	3.17	43	10343	4.954	ug/l #	87
18) Methyl Acetate	3.58	43	5385	1.210	ug/l #	63
20) Methylene Chloride	3.74	84	61673	3.330	ug/l	96
25) 2-Butanone	5.65	43	8473	1.952	ug/l #	90
29) Tetrahydrofuran	5.96	42	4966	2.170	ug/l #	68
31) Cyclohexane	6.42	56	35073	1.220	ug/l #	1
38) Carbon Tetrachloride	6.42	117	136650	6.684	ug/l #	15
51) 4-Methyl-2-Pentanone	9.36	43	13376	1.613	ug/l #	80
81) trans-1,4-Dichloro-2-buten	12.44	75	357162	114.780	ug/l #	15
89) n-Butylbenzene	13.66	91	9732	Below Cal		92

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

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Operator : JC/SY
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Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

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ClientSampleId :

Quant Time: Nov 14 11:09:15 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:56:04 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 498

Delta R.T. -0.00 min

Lab File: VD060354.D

Acq: 13 Nov 2018 11:32

Instrument :

MSVOA_D

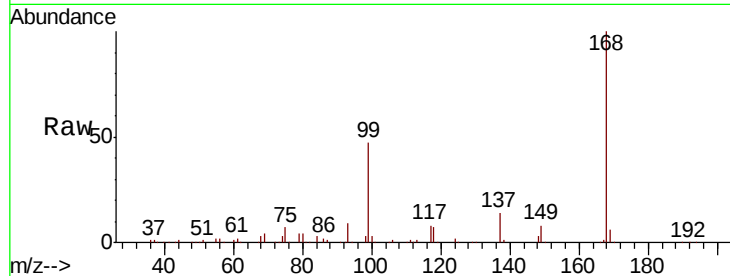
ClientSampleId :

Tot Ion:168 Resp: 1680992

Ion Ratio Lower Upper

168 100

99 47.0 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

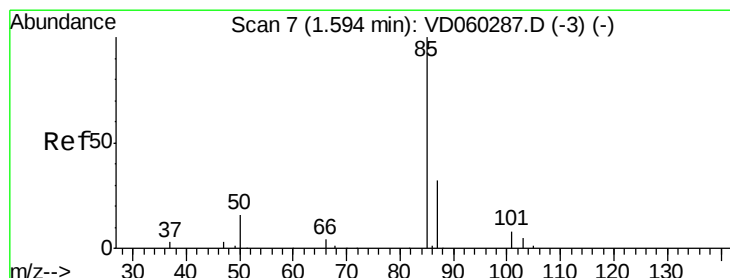
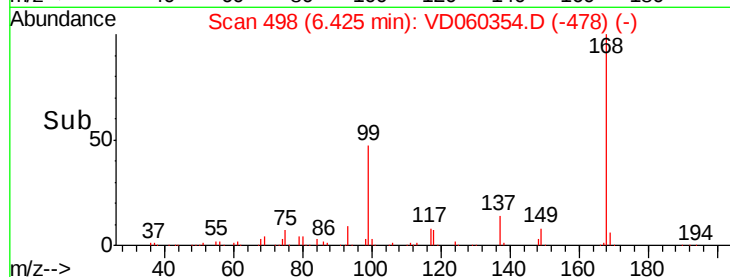
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.60 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060354.D

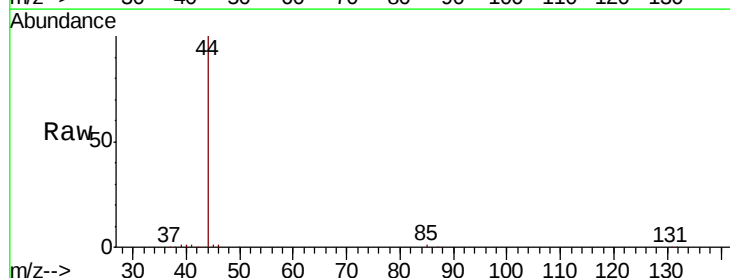
Acq: 13 Nov 2018 11:32

Tgt Ion: 85 Resp: 3399

Ion Ratio Lower Upper

85 100

87 42.1 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

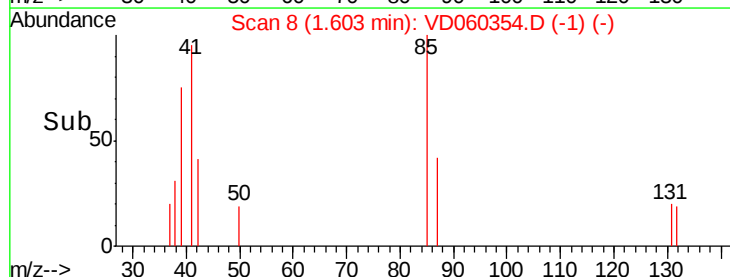
1500

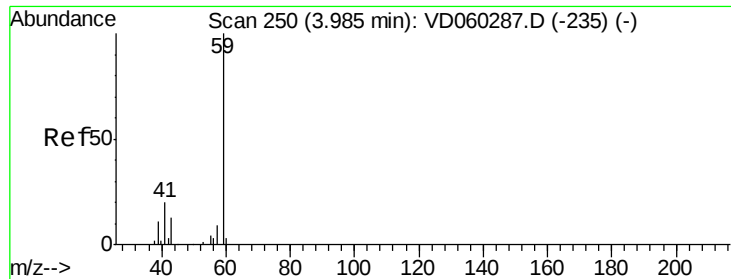
1000

500

0

Time-->



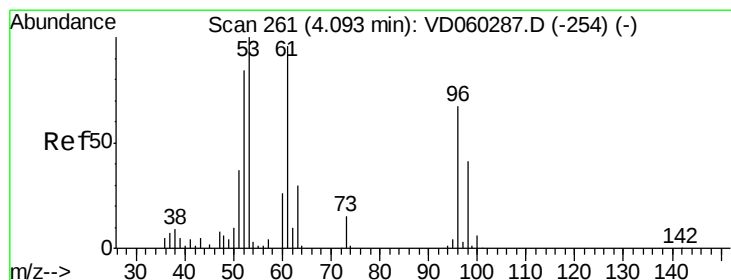
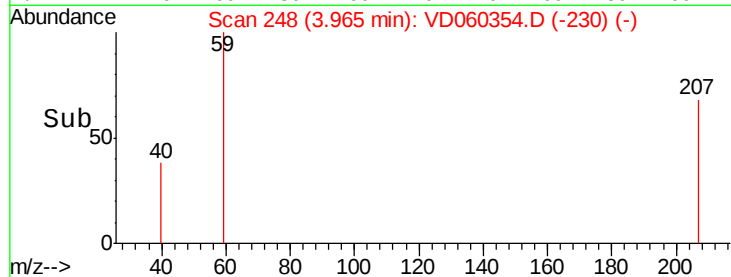
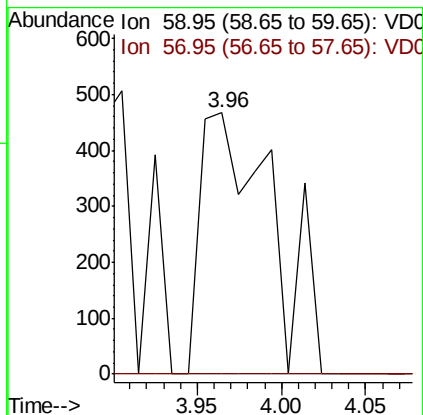
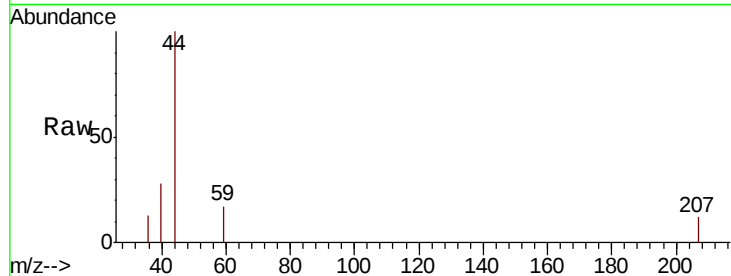


#11

Tert butyl alcohol
Concen: 2.808 ug/l
RT: 3.96 min Scan# 248
Delta R.T. -0.02 min
Lab File: VD060354.D
Acq: 13 Nov 2018 11:32

Instrument :
MSVOA_D
ClientSampled :

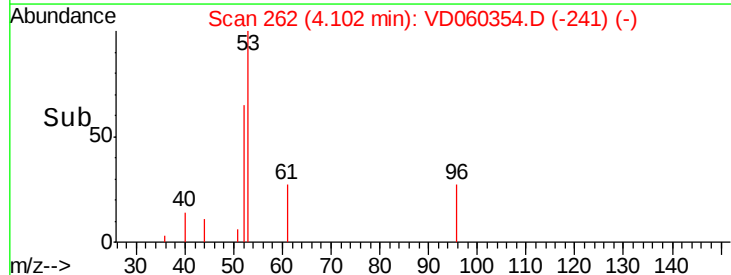
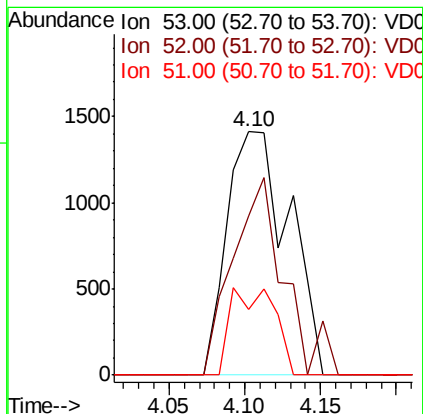
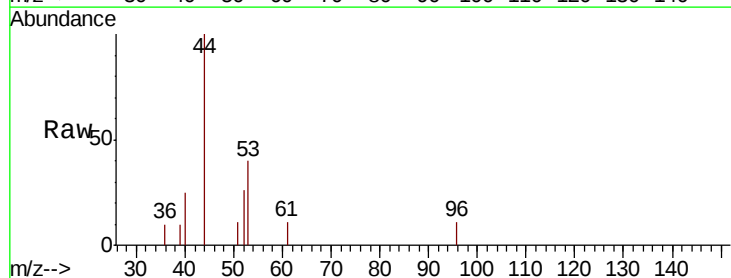
Tot Ion: 59 Resp: 1388
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#

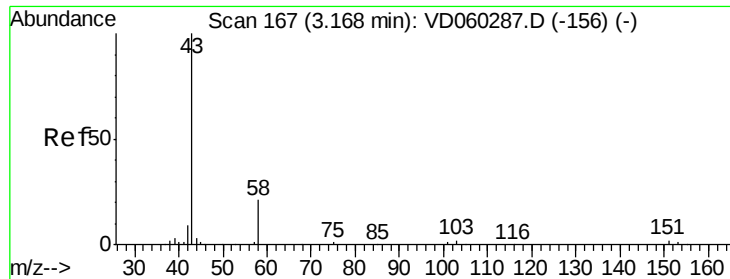


#15

Acrylonitrile
Concen: 1.403 ug/l
RT: 4.10 min Scan# 262
Delta R.T. 0.01 min
Lab File: VD060354.D
Acq: 13 Nov 2018 11:32

Tgt Ion: 53 Resp: 4043
Ion Ratio Lower Upper
53 100
52 65.3 67.0 100.4#
51 26.9 29.9 44.9#





#16

Acetone

Concen: 4.954 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD060354.D

Acq: 13 Nov 2018 11:32

Instrument :

MSVOA_D

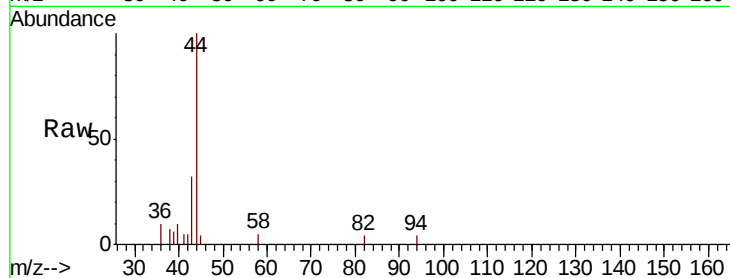
ClientSampleId :

Tot Ion: 43 Resp: 10343

Ion Ratio Lower Upper

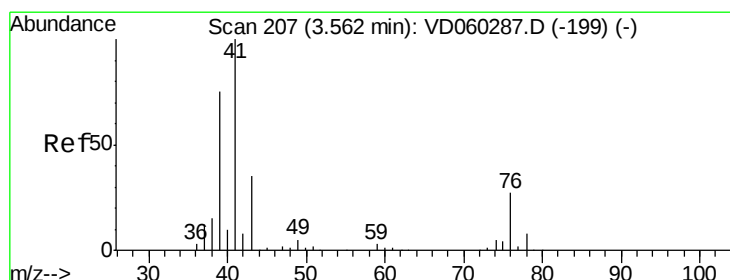
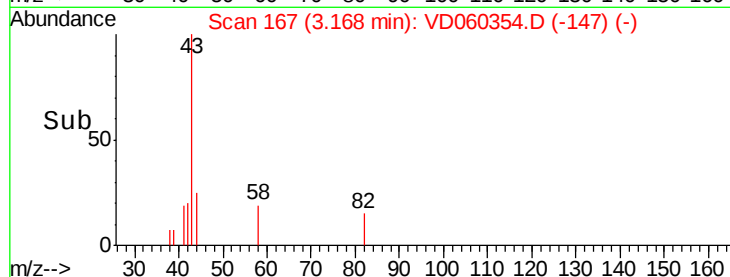
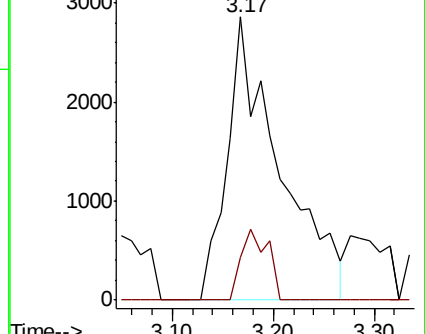
43 100

58 14.9 16.9 25.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.210 ug/l

RT: 3.58 min Scan# 209

Delta R.T. 0.02 min

Lab File: VD060354.D

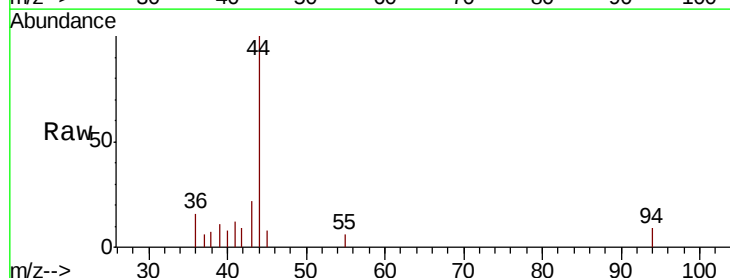
Acq: 13 Nov 2018 11:32

Tgt Ion: 43 Resp: 5385

Ion Ratio Lower Upper

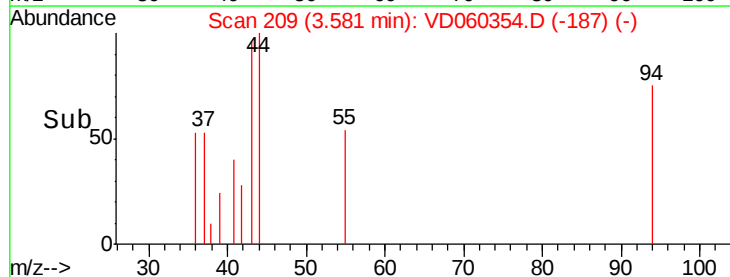
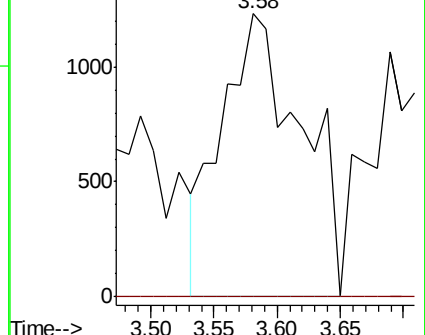
43 100

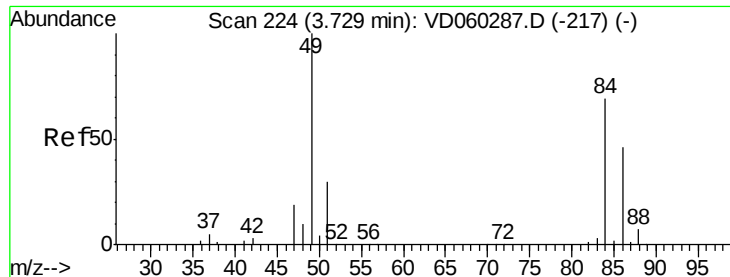
74 0.0 12.4 18.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

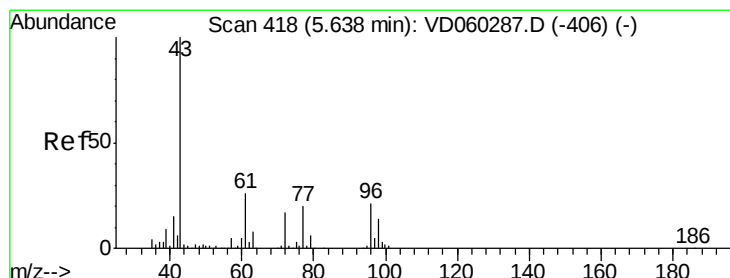
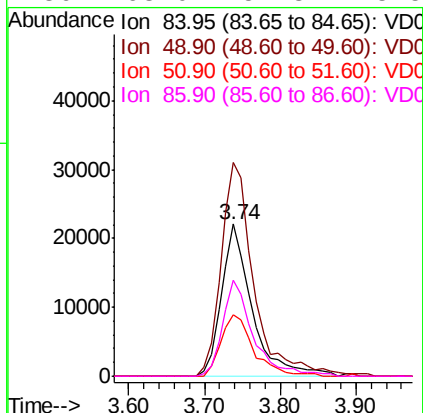
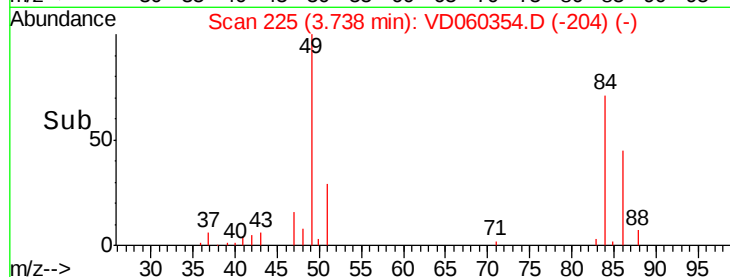
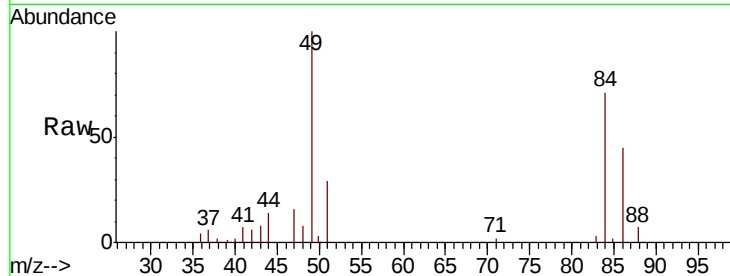




#20
Methylene Chloride
Concen: 3.330 ug/l
RT: 3.74 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD060354.D
Acq: 13 Nov 2018 11:32

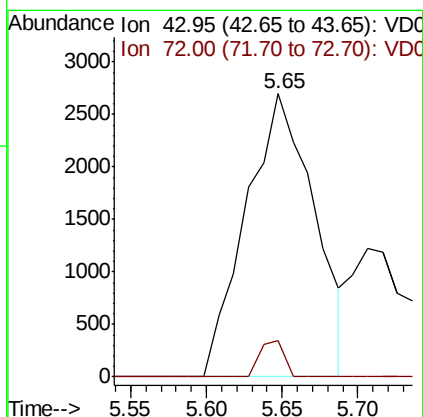
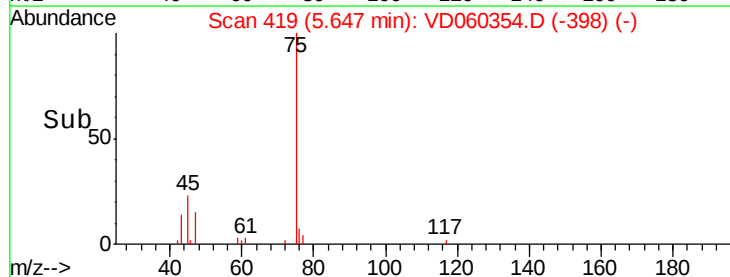
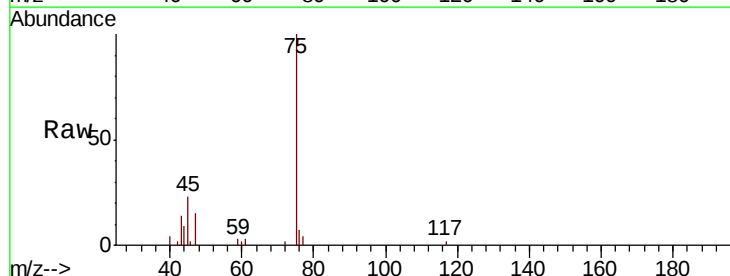
Instrument :
MSVOA_D
ClientSampleID :

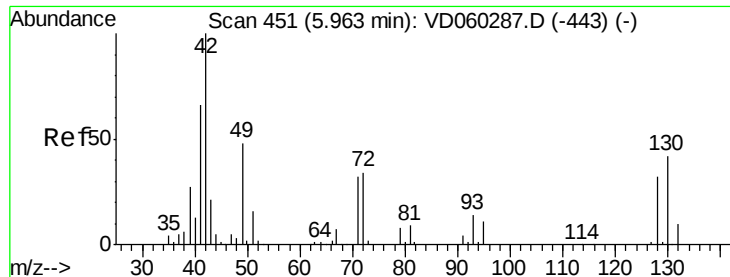
Tot Ion: 84 Resp: 61673
Ion Ratio Lower Upper
84 100
49 140.6 115.6 173.4
51 40.3 35.6 53.4
86 63.0 52.3 78.5



#25
2-Butanone
Concen: 1.952 ug/l
RT: 5.65 min Scan# 419
Delta R.T. 0.01 min
Lab File: VD060354.D
Acq: 13 Nov 2018 11:32

Tgt Ion: 43 Resp: 8473
Ion Ratio Lower Upper
43 100
72 12.7 13.8 20.8#





#29

Tetrahydrofuran

Concen: 2.170 ug/l

RT: 5.96 min Scan# 451

Delta R.T. -0.00 min

Lab File: VD060354.D

Acq: 13 Nov 2018 11:32

Instrument :

MSVOA_D

ClientSampleId :

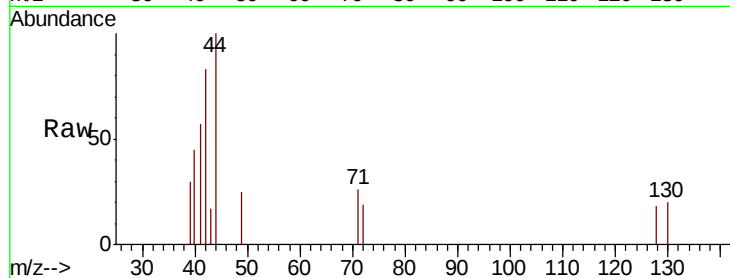
Tot Ion: 42 Resp: 4966

Ion Ratio Lower Upper

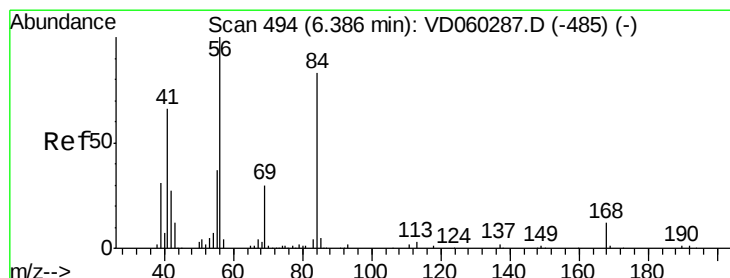
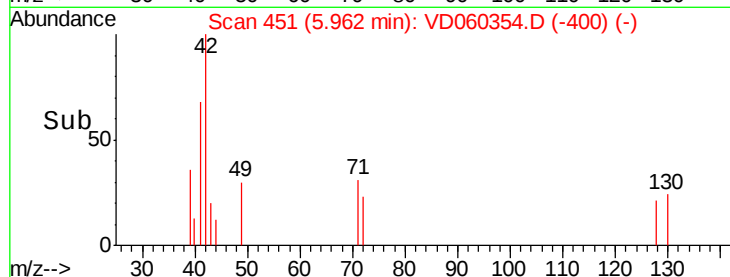
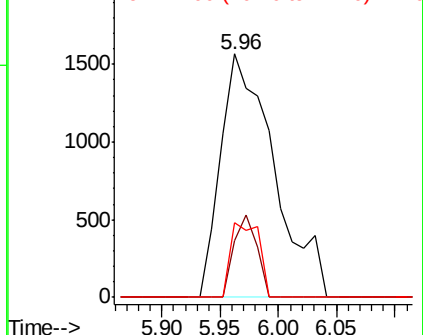
42 100

72 14.5 27.6 41.4#

71 16.3 26.5 39.7#



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: 1.220 ug/l

RT: 6.42 min Scan# 497

Delta R.T. 0.03 min

Lab File: VD060354.D

Acq: 13 Nov 2018 11:32

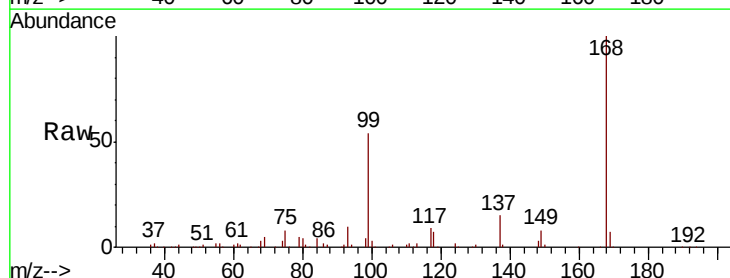
Tgt Ion: 56 Resp: 35073

Ion Ratio Lower Upper

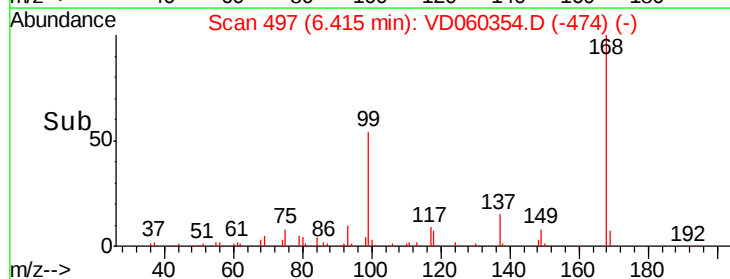
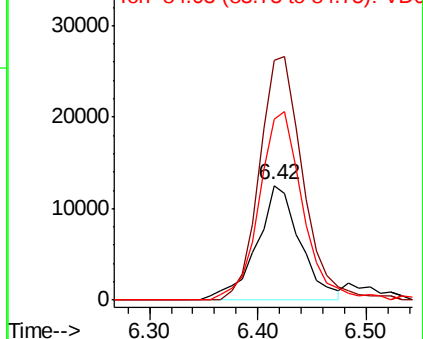
56 100

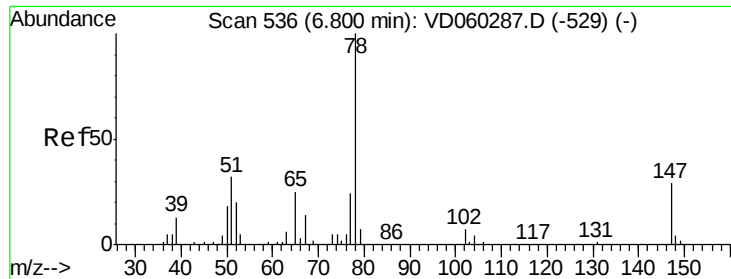
69 209.3 22.2 33.2#

84 157.5 63.0 94.4#



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

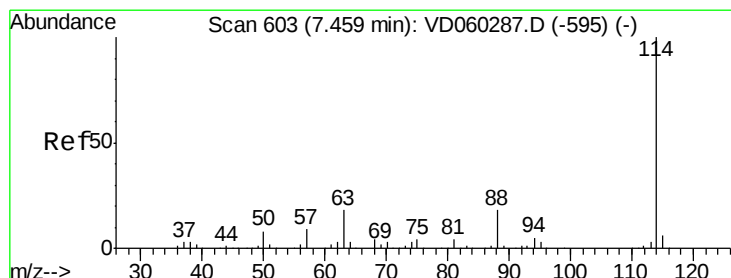
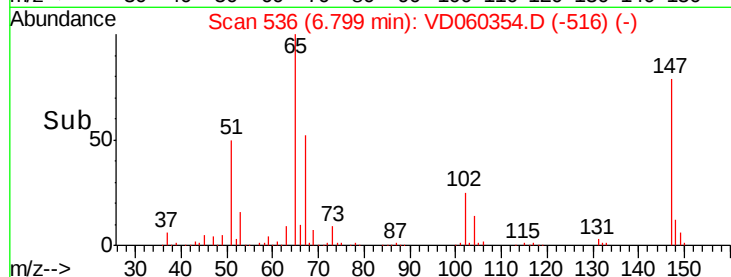
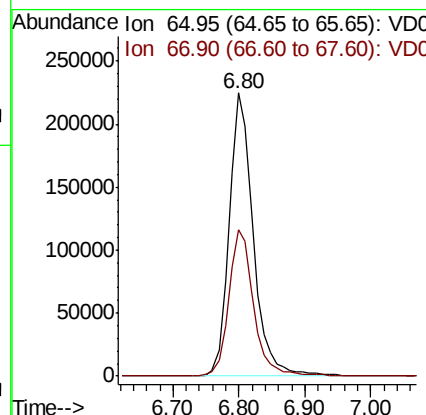
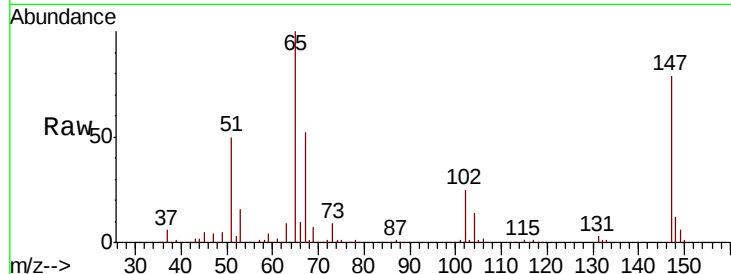




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 6.80 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VD060354.D
 Acq: 13 Nov 2018 11:32

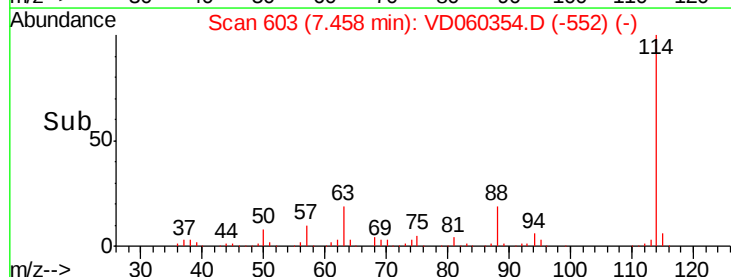
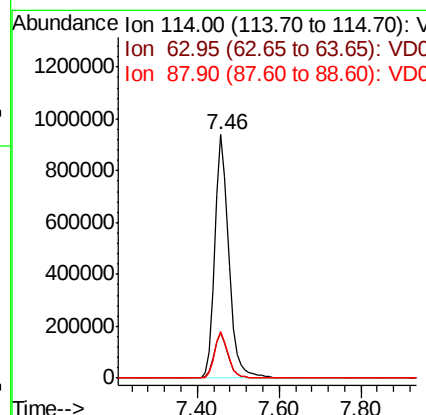
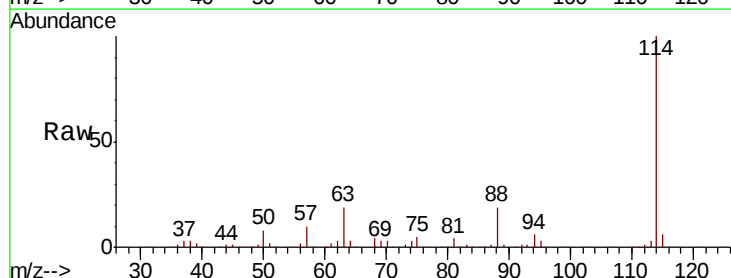
Instrument :
 MSVOA_D
 ClientSampleId :

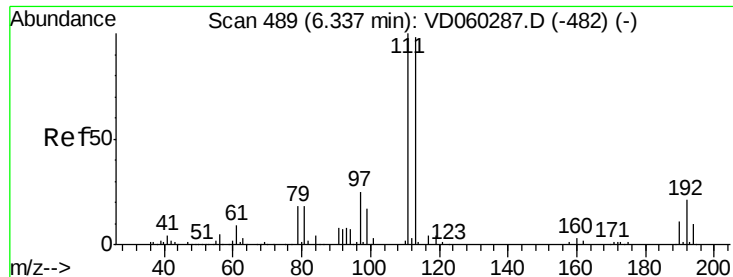
Tot Ion: 65 Resp: 575395
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.46 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VD060354.D
 Acq: 13 Nov 2018 11:32

Tgt Ion:114 Resp: 2230655
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 34.0
 88 19.0 0.0 35.4

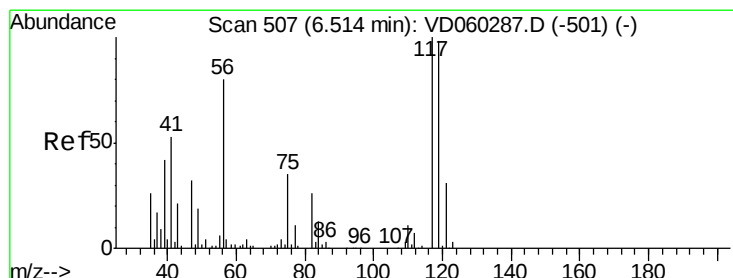
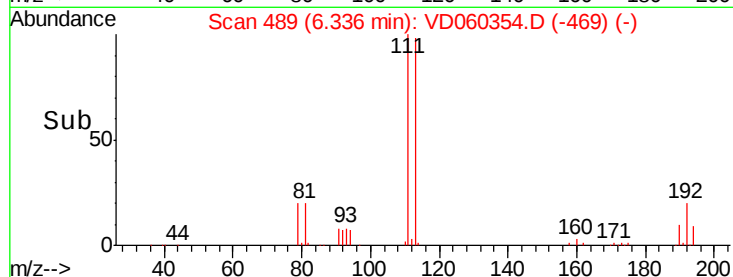
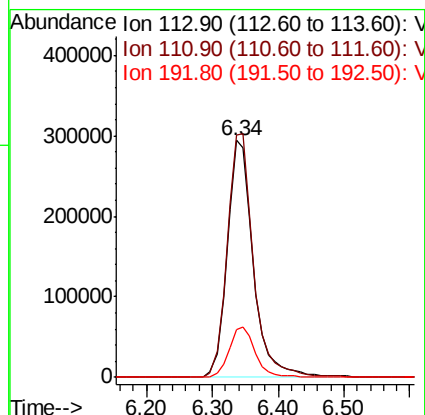
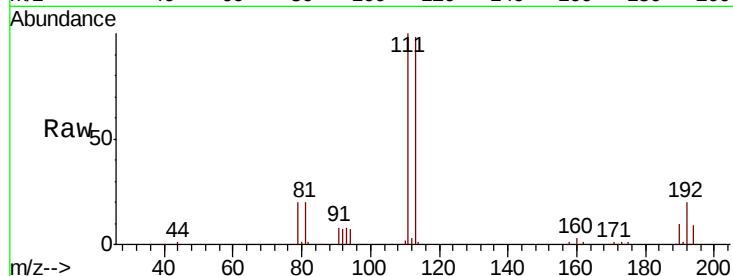




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.34 min Scan# 489
Delta R.T. -0.00 min
Lab File: VD060354.D
Acq: 13 Nov 2018 11:32

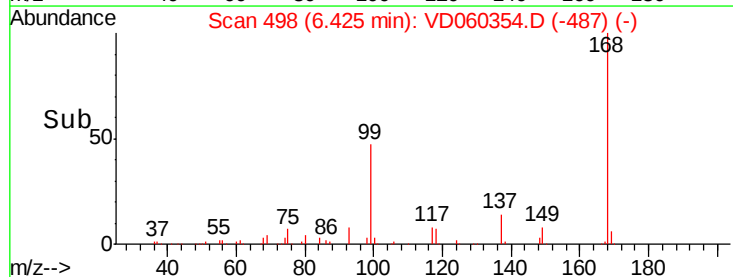
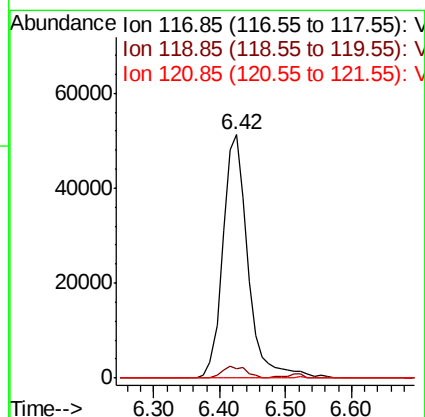
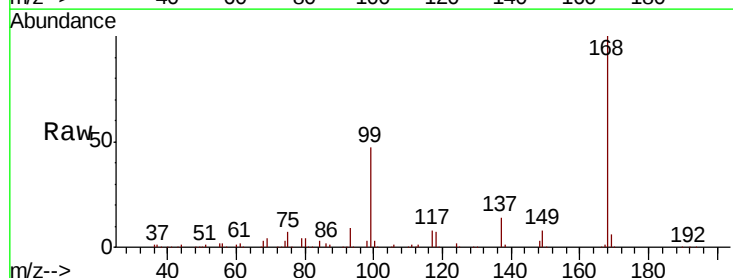
Instrument :
MSVOA_D
ClientSampleId :

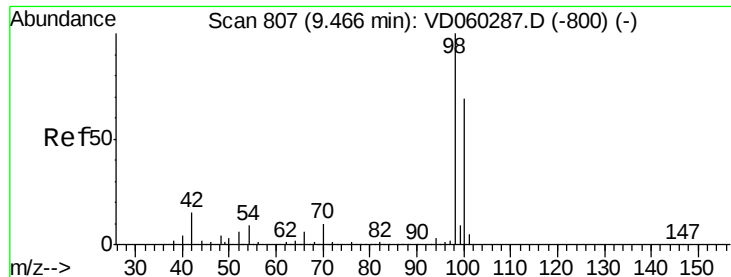
Tot Ion:113 Resp: 814712
Ion Ratio Lower Upper
113 100
111 102.5 81.6 122.4
192 20.3 16.5 24.7



#38
Carbon Tetrachloride
Concen: 6.684 ug/l
RT: 6.42 min Scan# 498
Delta R.T. -0.09 min
Lab File: VD060354.D
Acq: 13 Nov 2018 11:32

Tgt Ion:117 Resp: 136650
Ion Ratio Lower Upper
117 100
119 4.1 76.6 115.0#
121 0.0 24.3 36.5#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.47 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD060354.D

Acq: 13 Nov 2018 11:32

Instrument :

MSVOA_D

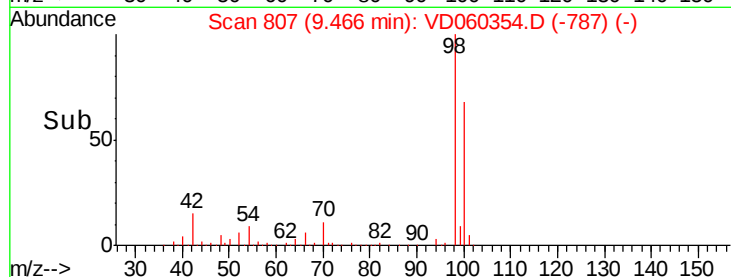
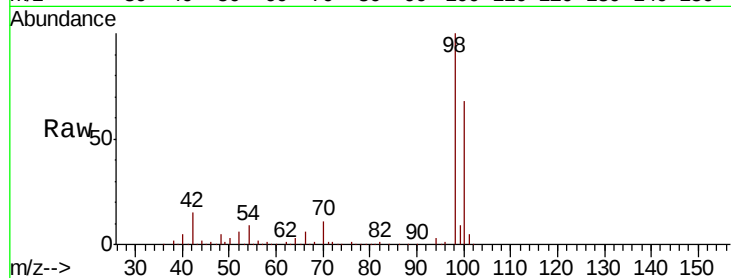
ClientSampleId :

Tot Ion: 98 Resp: 2401559

Ion Ratio Lower Upper

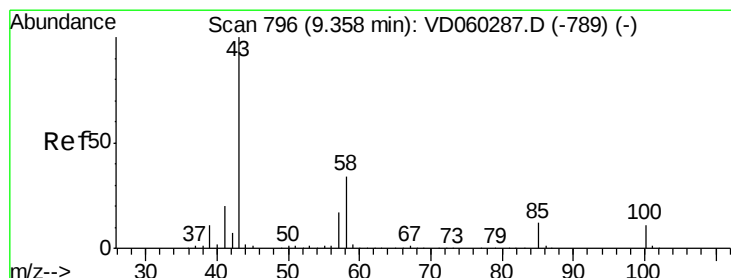
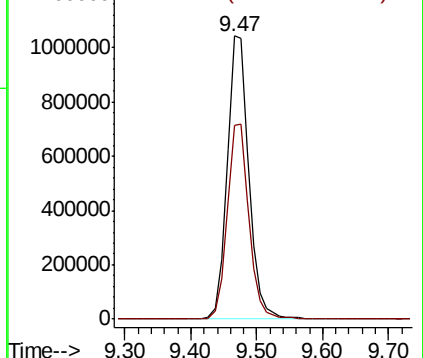
98 100

100 68.4 55.2 82.8



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: 1.613 ug/l

RT: 9.36 min Scan# 796

Delta R.T. -0.00 min

Lab File: VD060354.D

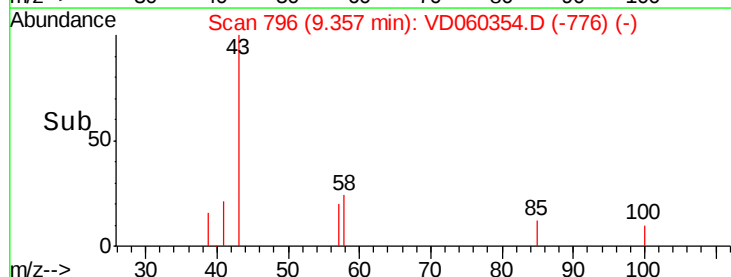
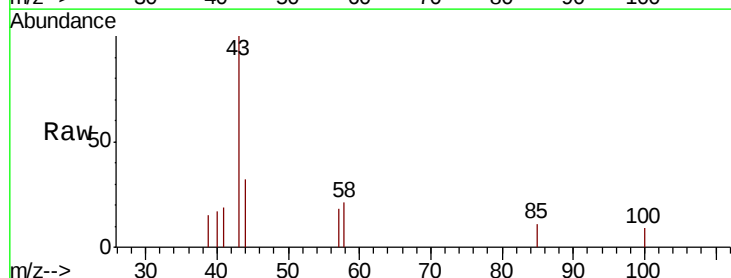
Acq: 13 Nov 2018 11:32

Tgt Ion: 43 Resp: 13376

Ion Ratio Lower Upper

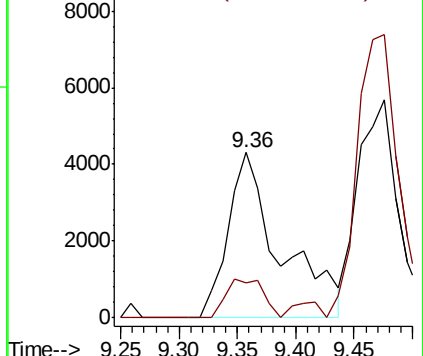
43 100

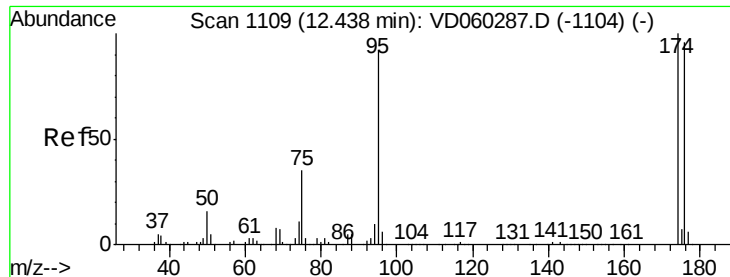
58 21.4 26.1 39.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

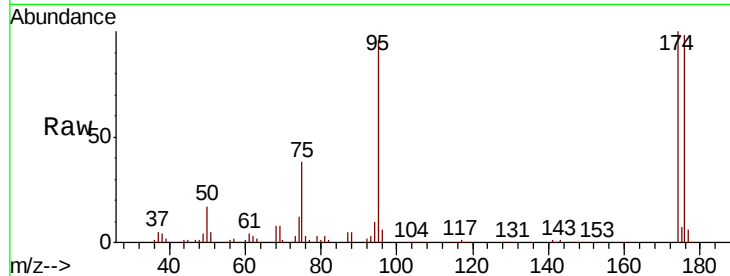




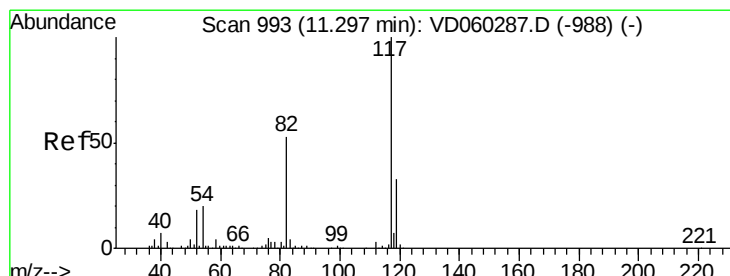
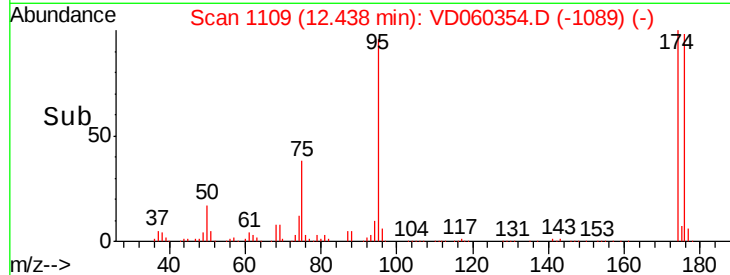
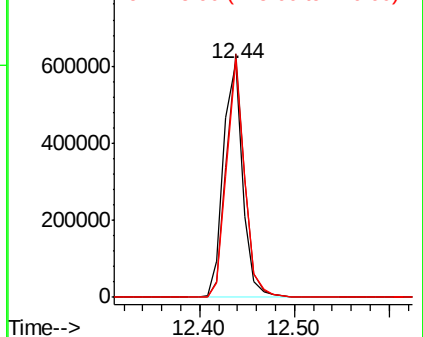
#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.44 min Scan# 1109
Delta R.T. -0.00 min
Lab File: VD060354.D
Acq: 13 Nov 2018 11:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 858275
Ion Ratio Lower Upper
95 100
174 104.0 0.0 160.8
176 101.9 0.0 154.6

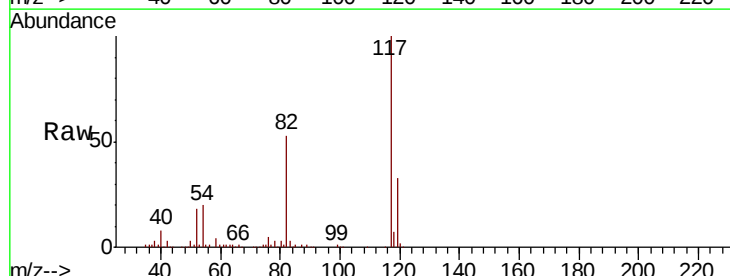


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

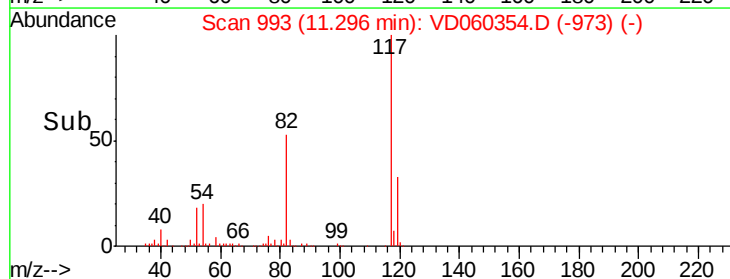
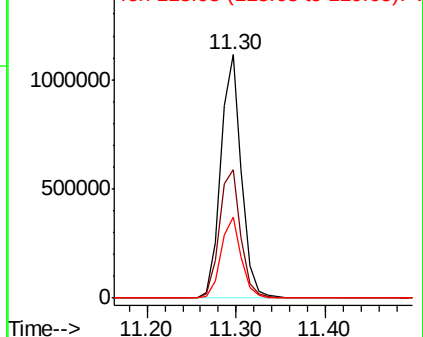


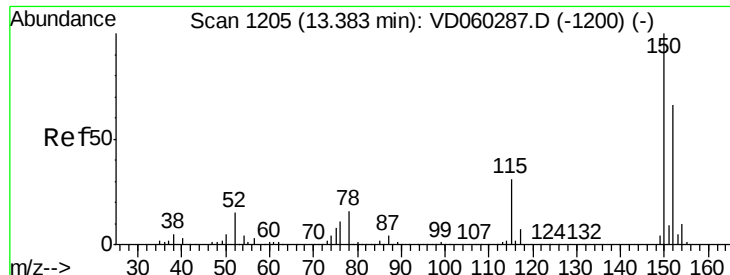
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD060354.D
Acq: 13 Nov 2018 11:32

Tgt Ion: 117 Resp: 1819054
Ion Ratio Lower Upper
117 100
82 52.6 43.7 65.5
119 33.2 26.1 39.1



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: 13.38 min Scan# 1205

Delta R.T. -0.00 min

Lab File: VD060354.D

Acq: 13 Nov 2018 11:32

Instrument :

MSVOA_D

ClientSampled :

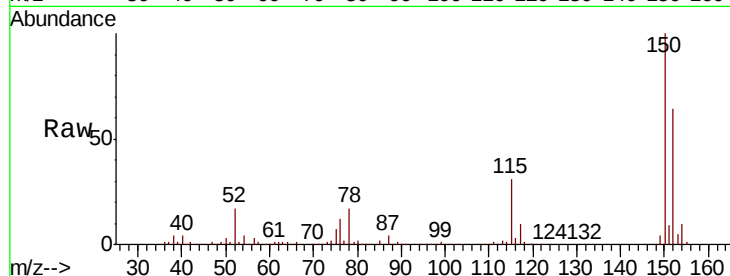
Tot Ion:152 Resp: 913689

Ion Ratio Lower Upper

152 100

115 48.0 24.1 72.3

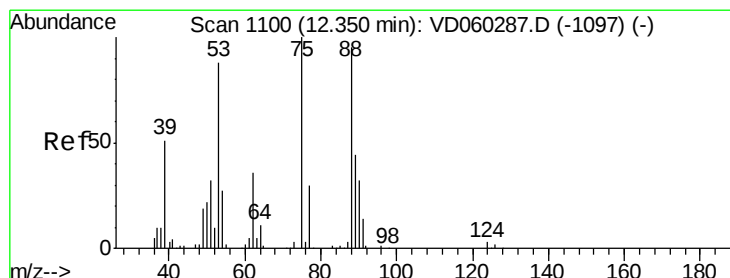
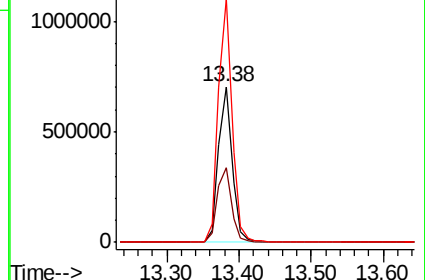
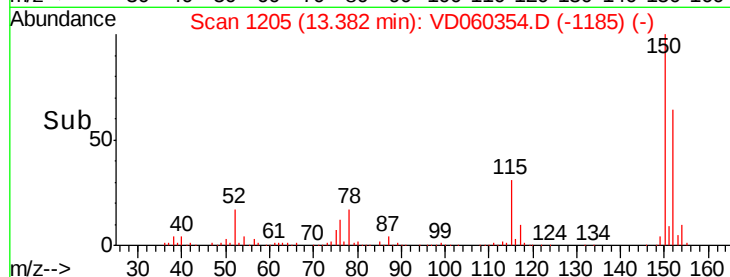
150 156.4 0.0 310.6



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: 114.780 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.09 min

Lab File: VD060354.D

Acq: 13 Nov 2018 11:32

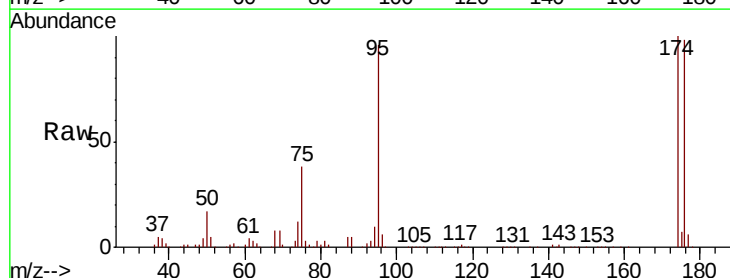
Tgt Ion: 75 Resp: 357162

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

89 0.0 34.1 51.1#



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

