

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120318\
 Data File : VD060467.D
 Acq On : 3 Dec 2018 11:04
 Operator : VA/AP
 Sample : VD1203SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1203SBL01

Quant Time: Dec 04 02:16:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.43	168	1376998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.47	114	1885247	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.30	117	1499230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	739817	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.82	65	512924	52.02	ug/l	0.02
Spiked Amount						
			Recovery	=	104.04%	
35) Dibromofluoromethane	6.35	113	752906	53.56	ug/l	0.02
Spiked Amount						
			Recovery	=	107.12%	
50) Toluene-d8	9.48	98	2137898	51.96	ug/l	0.02
Spiked Amount						
			Recovery	=	103.92%	
62) 4-Bromofluorobenzene	12.44	95	778810	52.24	ug/l	0.00
Spiked Amount						
			Recovery	=	104.48%	

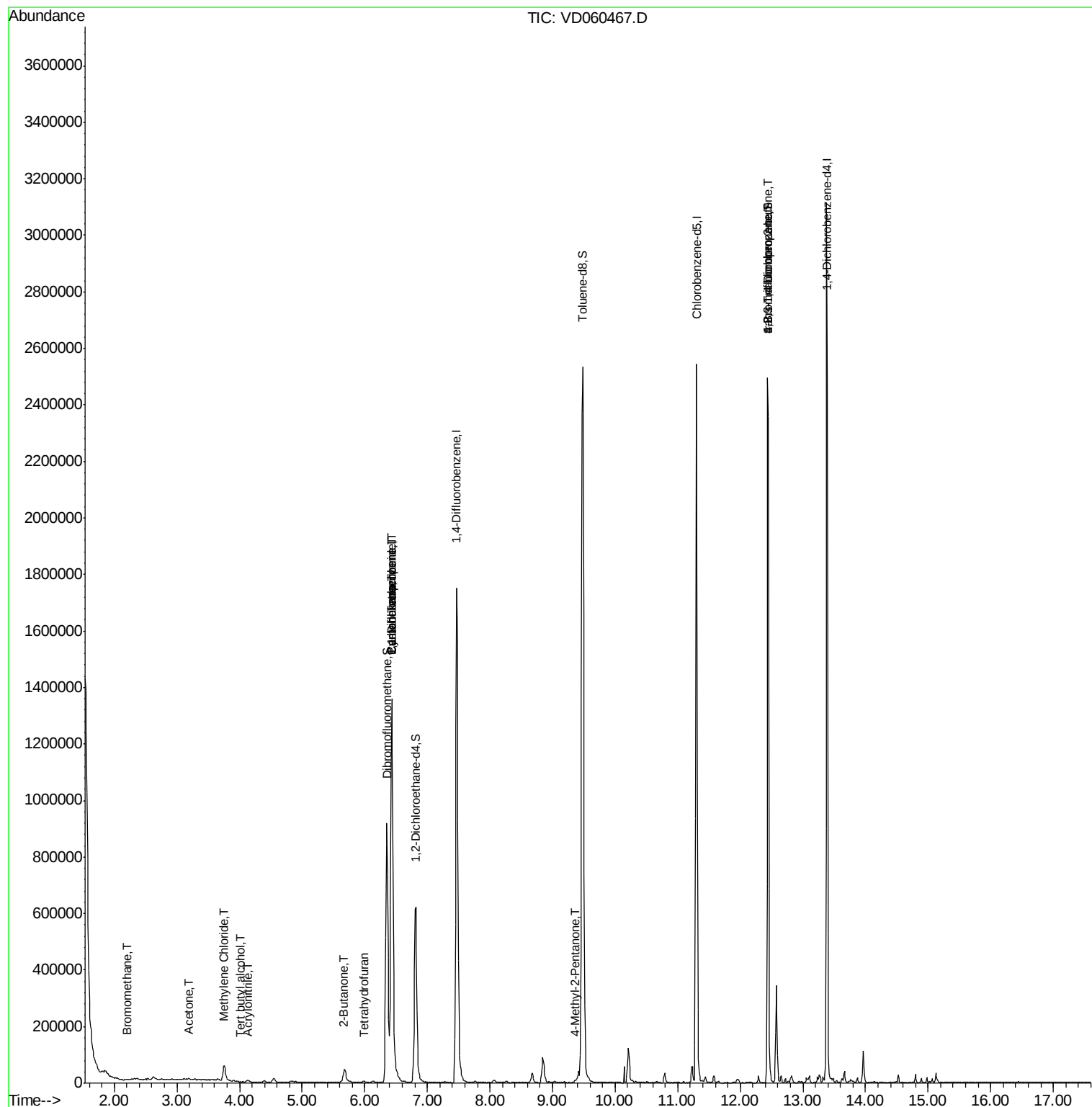
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	4807	Below Cal		94
5) Bromomethane	2.19	94	3178	1.258	ug/l #	46
11) Tert butyl alcohol	4.00	59	424	1.047	ug/l #	70
15) Acrylonitrile	4.12	53	2728	1.155	ug/l	99
16) Acetone	3.19	43	13313	7.784	ug/l	99
20) Methylene Chloride	3.76	84	34564	2.278	ug/l	92
25) 2-Butanone	5.66	43	8037	2.261	ug/l	93
29) Tetrahydrofuran	5.99	42	3618	1.930	ug/l #	71
31) Cyclohexane	6.43	56	29433	1.250	ug/l #	1
36) 1,1-Dichloropropene	6.43	75	96606	5.187	ug/l #	47
38) Carbon Tetrachloride	6.43	117	109156	6.318	ug/l #	15
51) 4-Methyl-2-Pentanone	9.37	43	9977	1.424	ug/l #	77
76) 1,2,3-Trichloropropane	12.44	75	261720	29.573	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.44	75	307888	122.199	ug/l #	15
89) n-Butylbenzene	13.66	91	10498	Below Cal		88

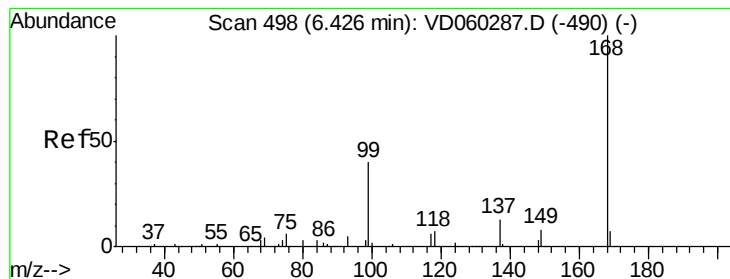
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120318\
Data File : VD060467.D
Acq On : 3 Dec 2018 11:04
Operator : VA/AP
Sample : VD1203SBL01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1203SBL01

Quant Time: Dec 04 02:16:52 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 19 16:31:59 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.43 min Scan# 499

Delta R.T. 0.01 min

Lab File: VD060467.D

Acq: 3 Dec 2018 11:04

Instrument :

MSVOA_D

ClientSampleId :

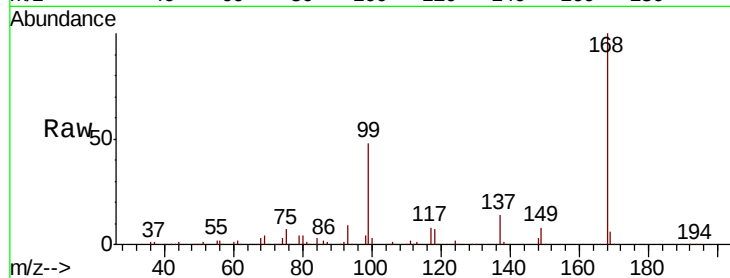
VD1203SBL01

Tot Ion:168 Resp: 1376998

Ion Ratio Lower Upper

168 100

99 48.4 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.43

500000

400000

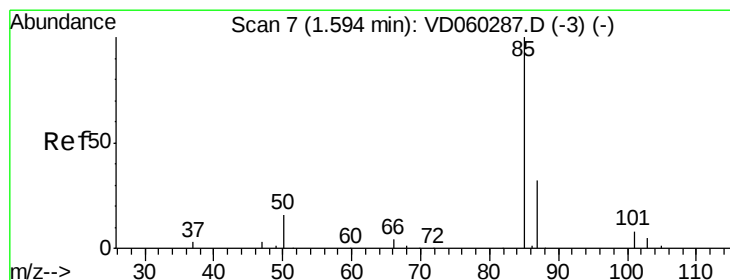
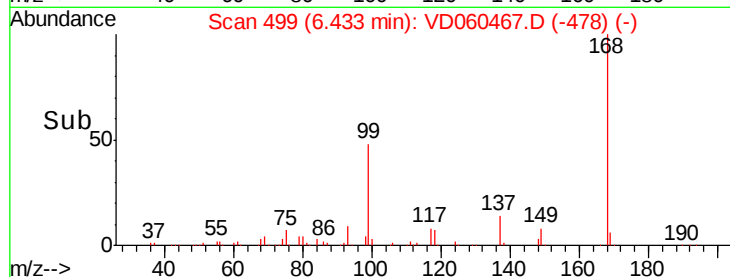
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.61 min Scan# 9

Delta R.T. 0.02 min

Lab File: VD060467.D

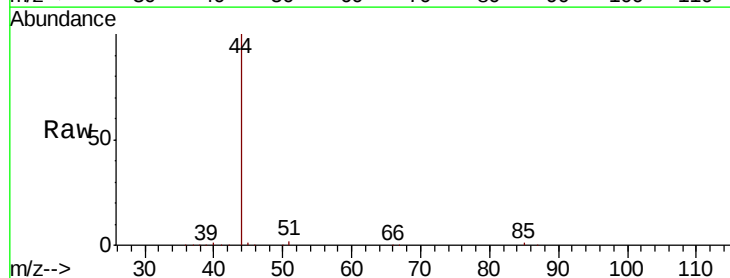
Acq: 3 Dec 2018 11:04

Tgt Ion: 85 Resp: 4807

Ion Ratio Lower Upper

85 100

87 37.2 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

2500

2000

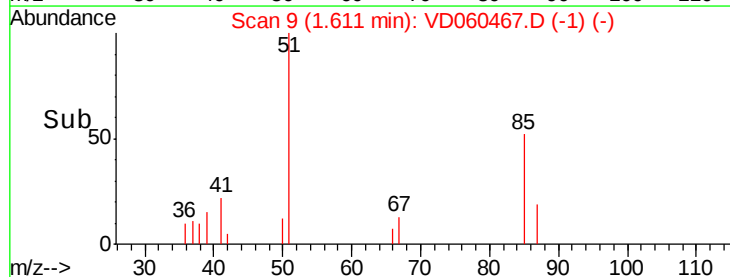
1500

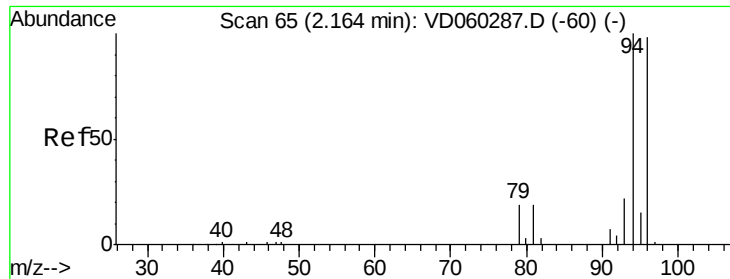
1000

500

0

Time-->





#5

Bromomethane

Concen: 1.258 ug/l

RT: 2.19 min Scan# 68

Delta R.T. 0.03 min

Lab File: VD060467.D

Acq: 3 Dec 2018 11:04

Instrument :

MSVOA_D

ClientSampleId :

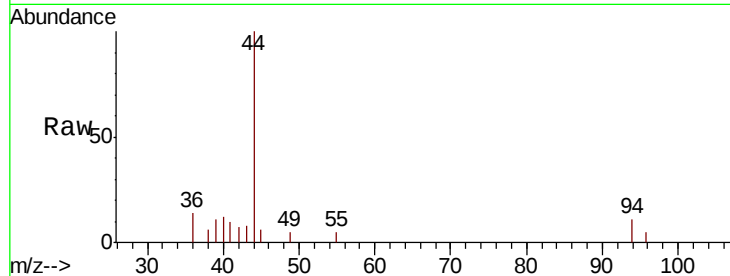
VD1203SBL01

Tot Ion: 94 Resp: 3178

Ion Ratio Lower Upper

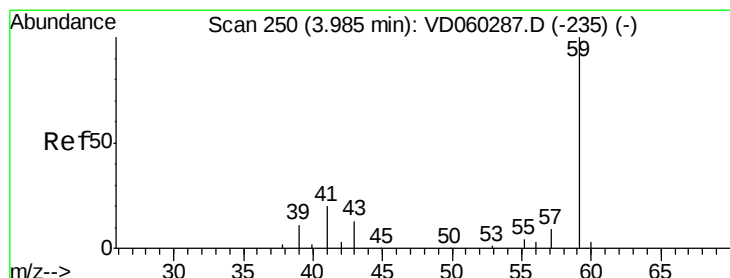
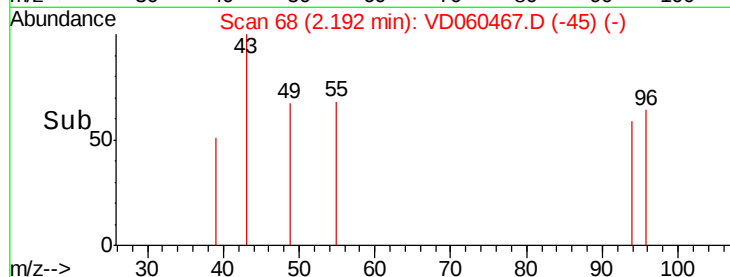
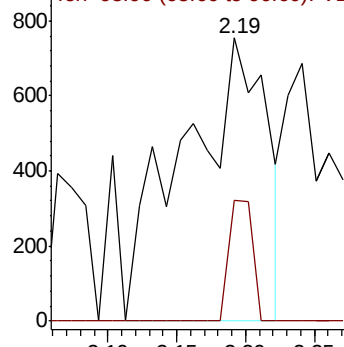
94 100

96 42.7 76.6 114.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#11

Tert butyl alcohol

Concen: 1.047 ug/l

RT: 4.00 min Scan# 252

Delta R.T. 0.02 min

Lab File: VD060467.D

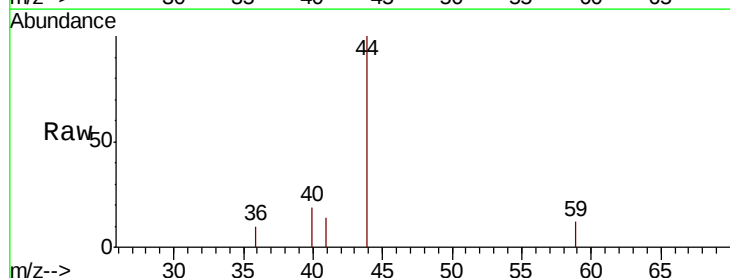
Acq: 3 Dec 2018 11:04

Tgt Ion: 59 Resp: 424

Ion Ratio Lower Upper

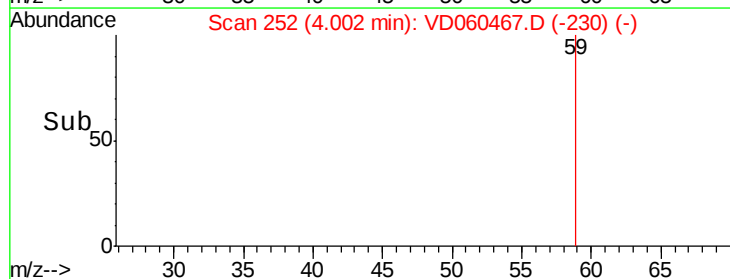
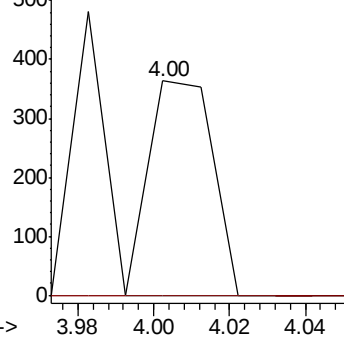
59 100

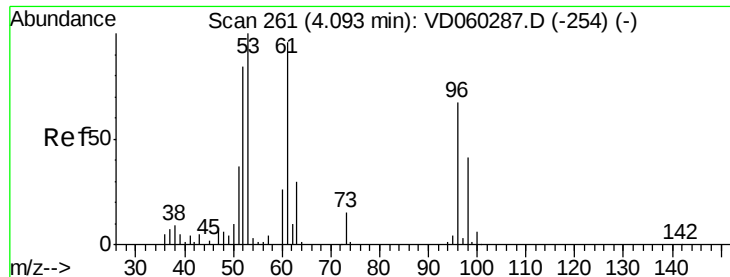
57 0.0 9.3 13.9#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#15

Acrylonitrile

Concen: 1.155 ug/l

RT: 4.12 min Scan# 264

Delta R.T. 0.03 min

Lab File: VD060467.D

Acq: 3 Dec 2018 11:04

Instrument :

MSVOA_D

ClientSampleId :

VD1203SBL01

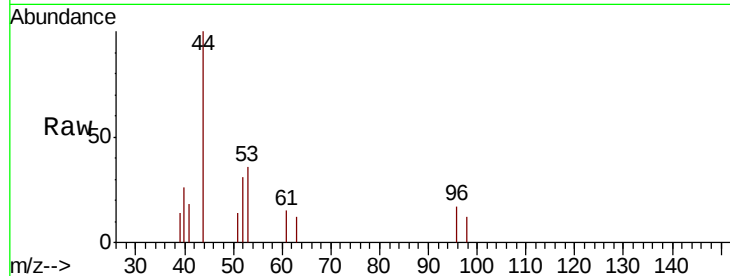
Tot Ion: 53 Resp: 2728

Ion Ratio Lower Upper

53 100

52 84.6 67.0 100.4

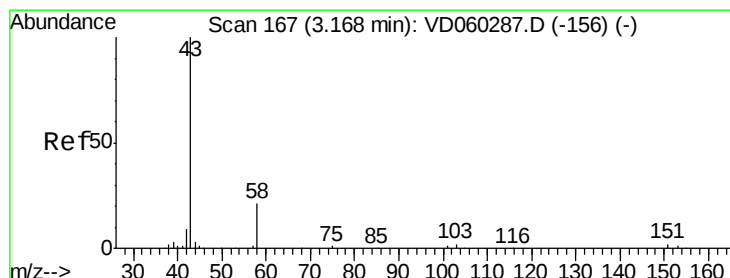
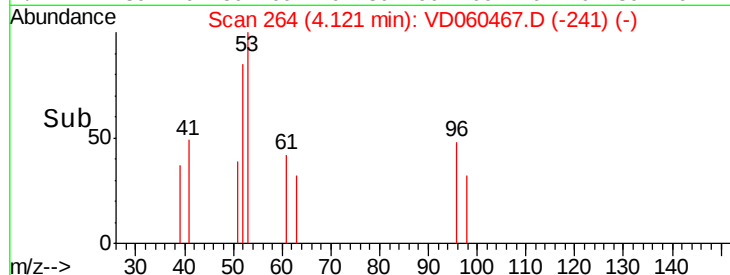
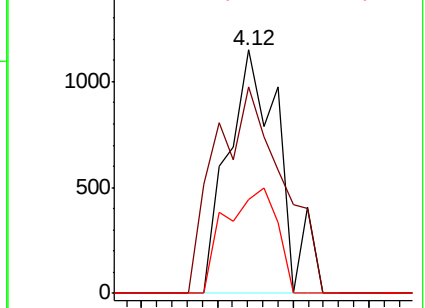
51 38.6 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 7.784 ug/l

RT: 3.19 min Scan# 169

Delta R.T. 0.02 min

Lab File: VD060467.D

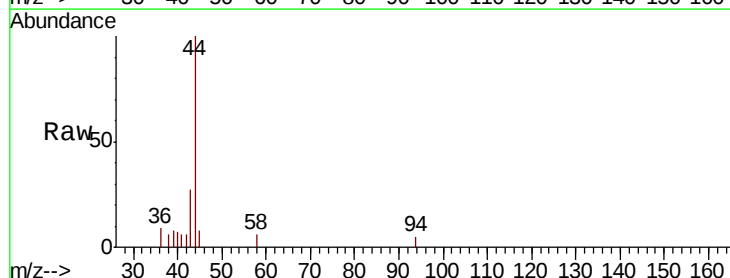
Acq: 3 Dec 2018 11:04

Tgt Ion: 43 Resp: 13313

Ion Ratio Lower Upper

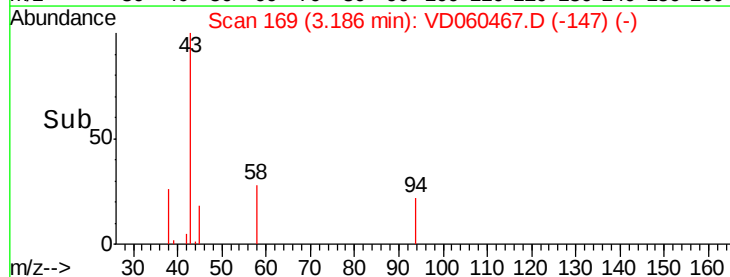
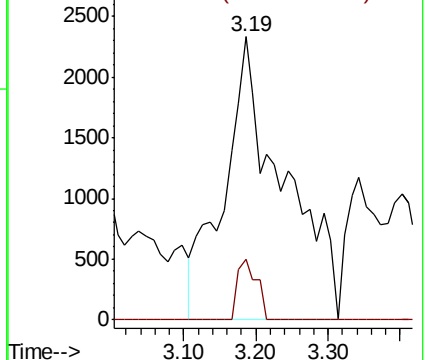
43 100

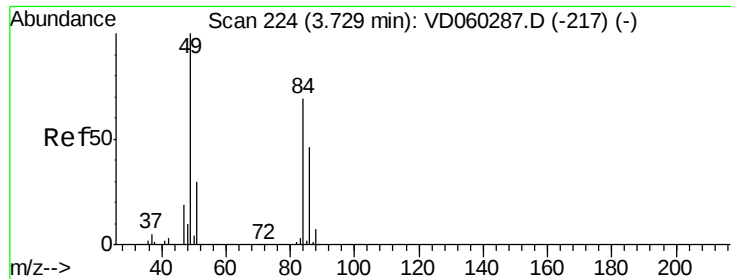
58 21.6 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

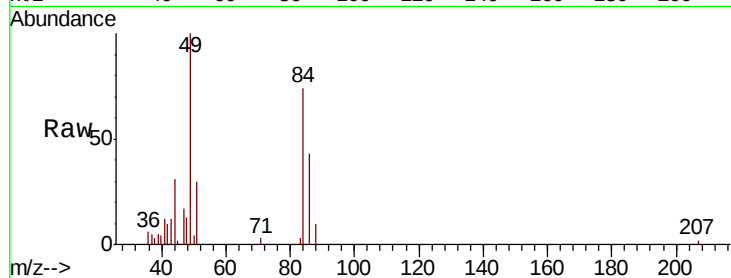




#20
Methvlene Chloride
Concen: 2.278 ug/l
RT: 3.76 min Scan# 227
Delta R.T. 0.03 min
Lab File: VD060467.D
Acq: 3 Dec 2018 11:04

Instrument :
MSVOA_D
ClientSampleId :
VD1203SBL01

Tot Ion:	84	Resp:	34564
Ion	Ratio	Lower	Upper
84	100		
49	136.0	115.6	173.4
51	40.2	35.6	53.4
86	57.8	52.3	78.5



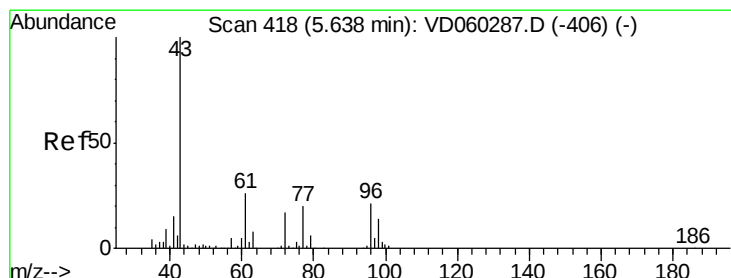
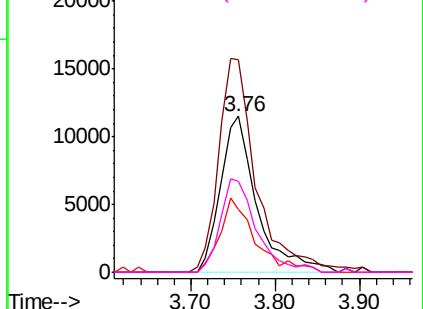
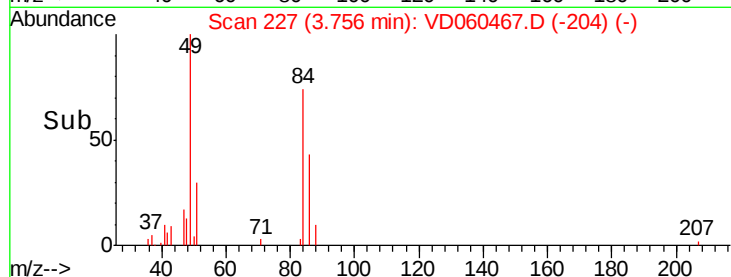
Abundance

Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

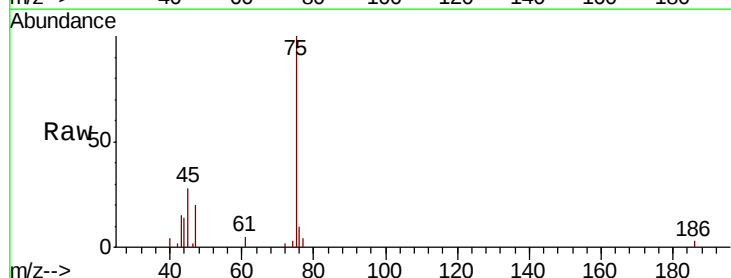
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#25
2-Butanone
Concen: 2.261 ug/l
RT: 5.66 min Scan# 420
Delta R.T. 0.02 min
Lab File: VD060467.D
Acq: 3 Dec 2018 11:04

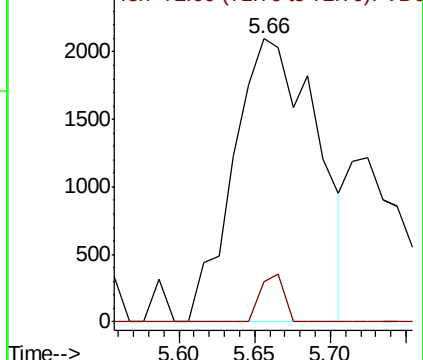
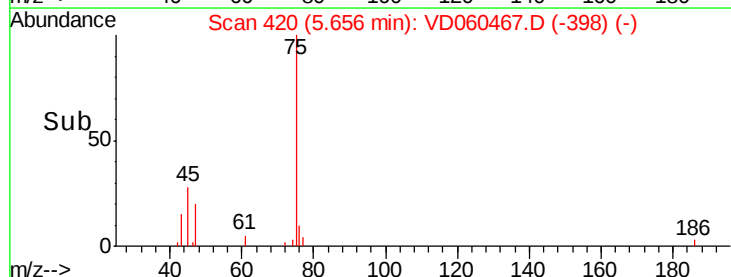
Tgt Ion:	43	Resp:	8037
Ion	Ratio	Lower	Upper
43	100		
72	14.3	13.8	20.8

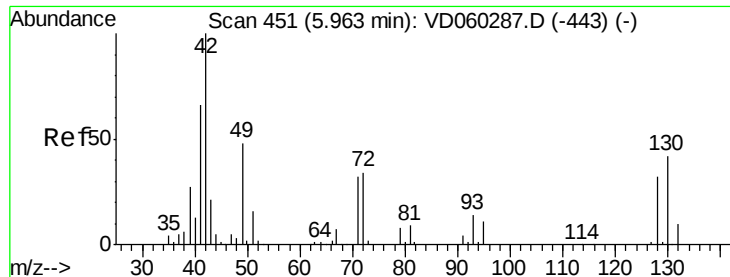


Abundance

Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

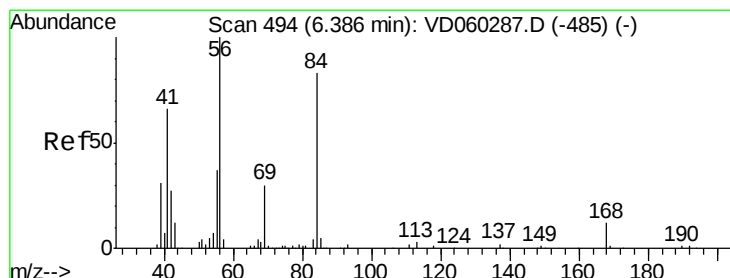
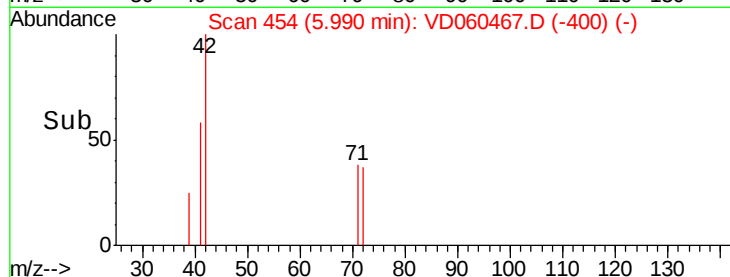
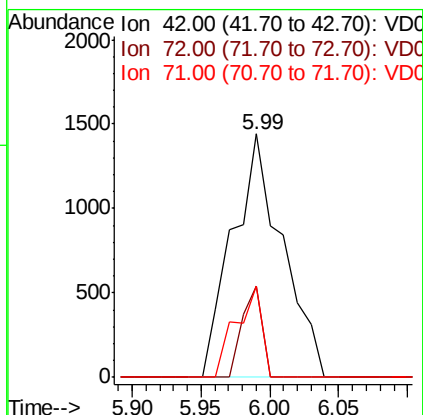
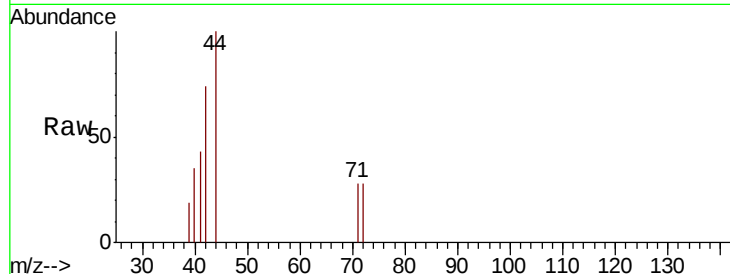




#29
Tetrahydrofuran
Concen: 1.930 ug/l
RT: 5.99 min Scan# 454
Delta R.T. 0.03 min
Lab File: VD060467.D
Acq: 3 Dec 2018 11:04

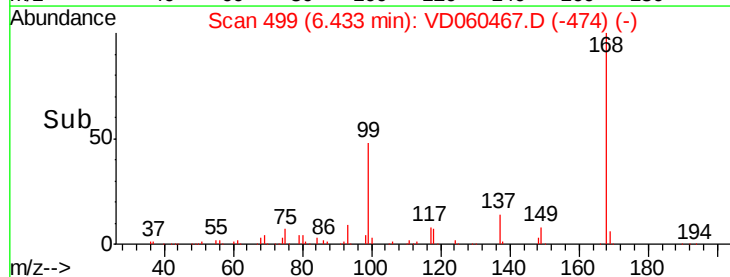
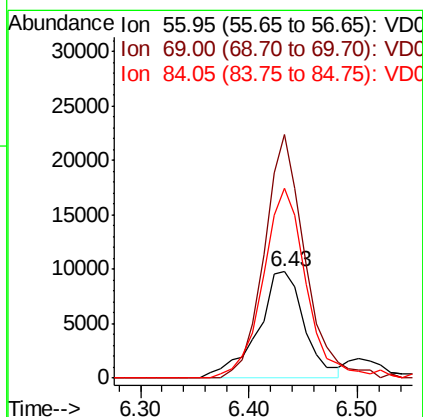
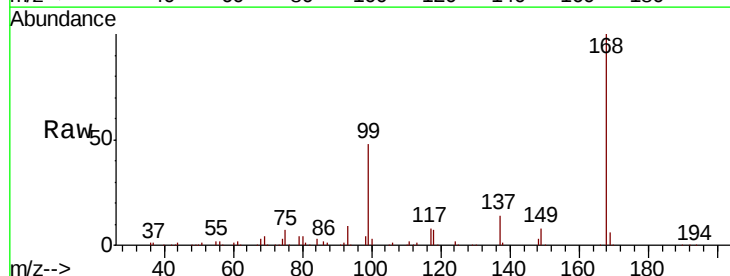
Instrument :
MSVOA_D
ClientSampleId :
VD1203SBL01

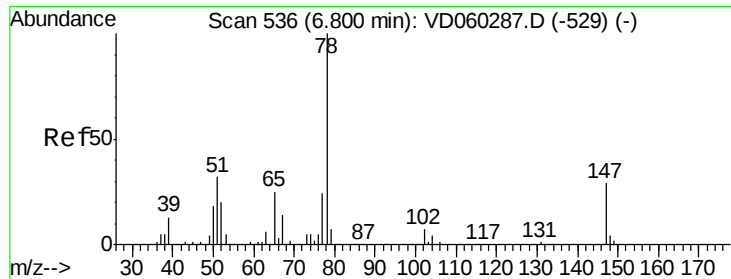
Tot Ion: 42 Resp: 3618
Ion Ratio Lower Upper
42 100
72 14.9 27.6 41.4#
71 19.4 26.5 39.7#



#31
Cyclohexane
Concen: 1.250 ug/l
RT: 6.43 min Scan# 499
Delta R.T. 0.05 min
Lab File: VD060467.D
Acq: 3 Dec 2018 11:04

Tgt Ion: 56 Resp: 29433
Ion Ratio Lower Upper
56 100
69 229.5 22.2 33.2#
84 179.0 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 6.82 min Scan# 538

Delta R.T. 0.02 min

Lab File: VD060467.D

Acq: 3 Dec 2018 11:04

Instrument :

MSVOA_D

ClientSampleId :

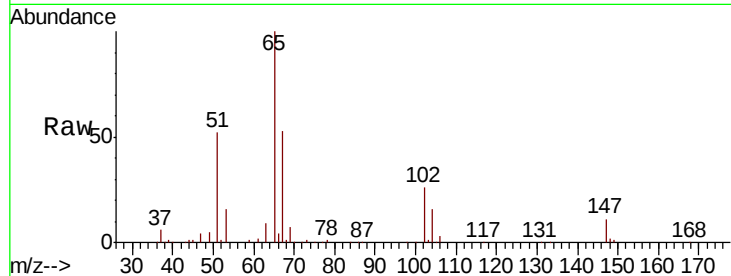
VD1203SBL01

Tot Ion: 65 Resp: 512924

Ion Ratio Lower Upper

65 100

67 52.8 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

200000

150000

100000

50000

0

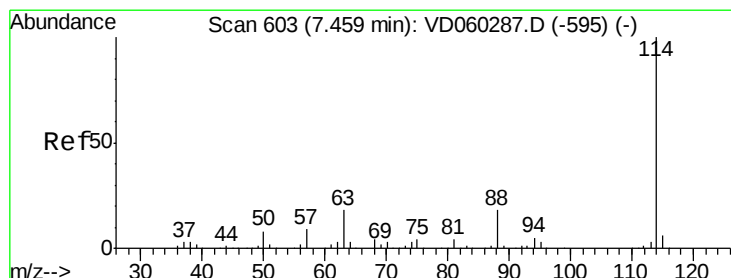
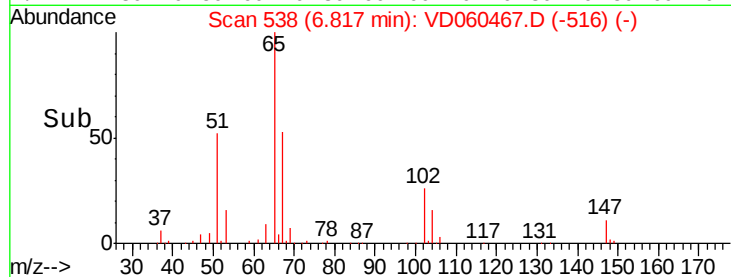
6.70

6.80

6.90

7.00

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD060467.D

Acq: 3 Dec 2018 11:04

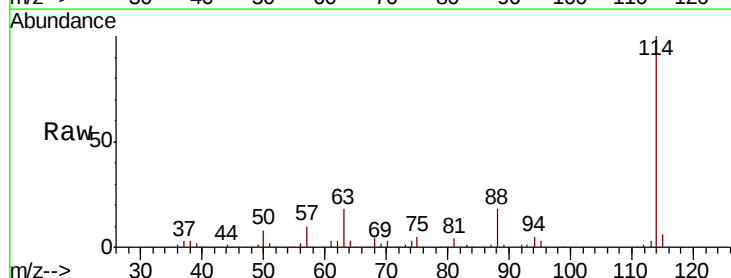
Tgt Ion: 114 Resp: 1885247

Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.0

88 18.3 0.0 35.4



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

1000000

800000

600000

400000

200000

0

7.40

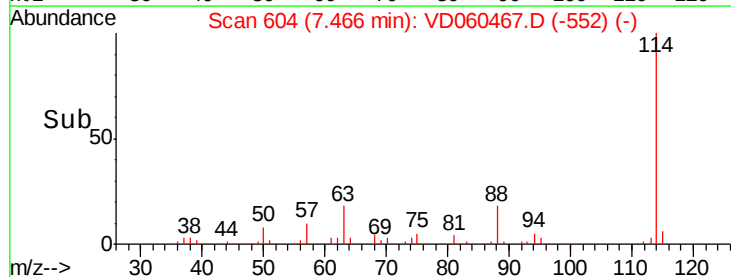
7.47

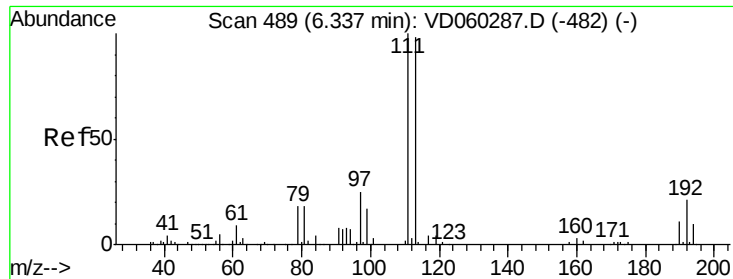
7.50

7.60

7.80

Time-->

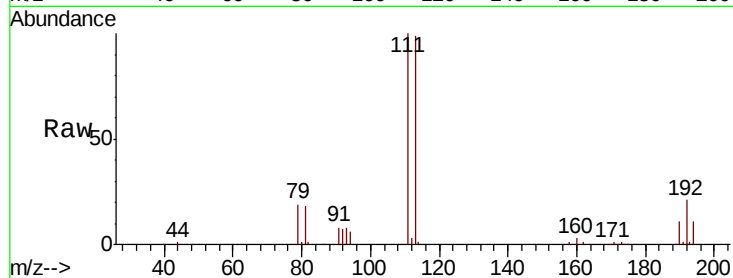




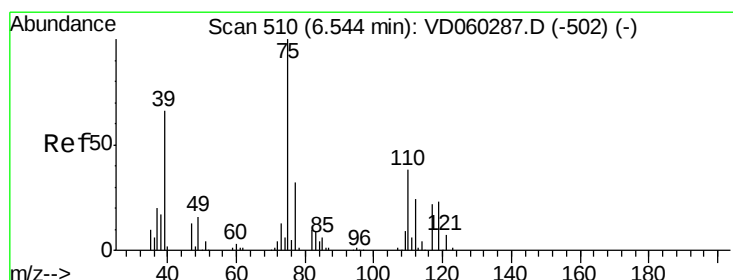
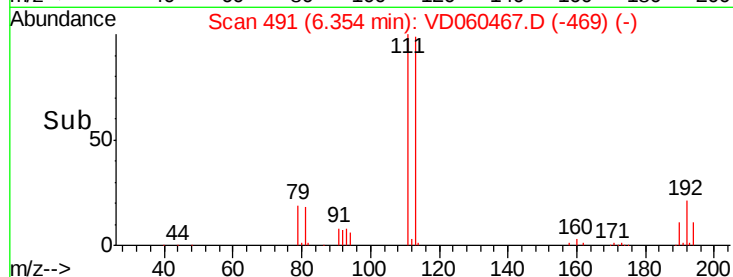
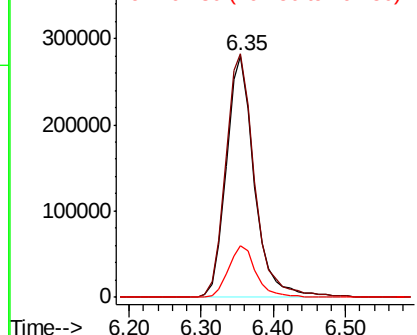
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.35 min Scan# 491
 Delta R.T. 0.02 min
 Lab File: VD060467.D
 Acq: 3 Dec 2018 11:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1203SBL01

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.8	81.6	122.4
192	21.4	16.5	24.7

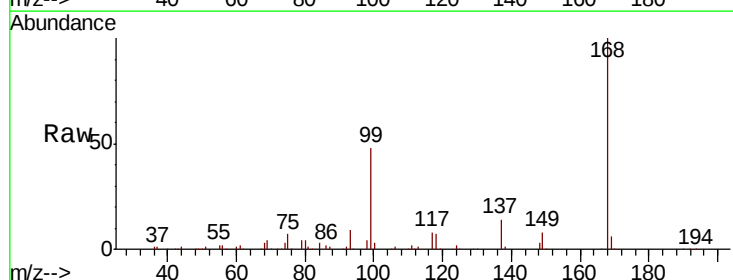


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

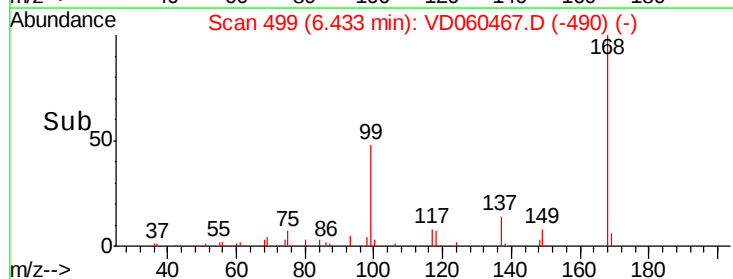
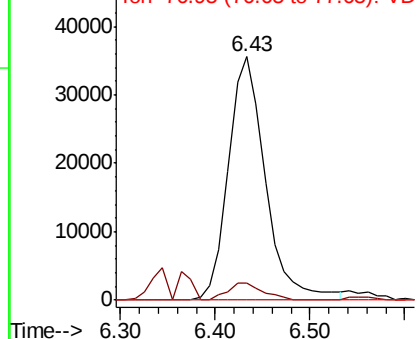


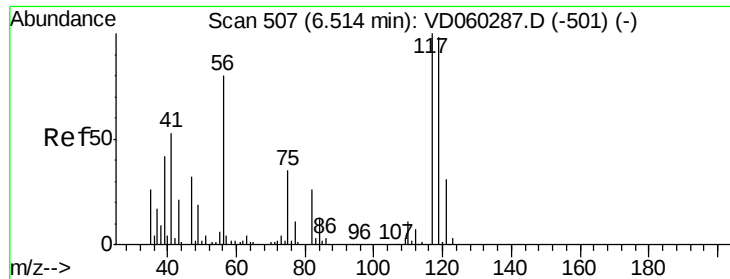
#36
 1,1-Dichloropropene
 Concen: 5.187 ug/l
 RT: 6.43 min Scan# 499
 Delta R.T. -0.11 min
 Lab File: VD060467.D
 Acq: 3 Dec 2018 11:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.1	18.0	54.0#
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

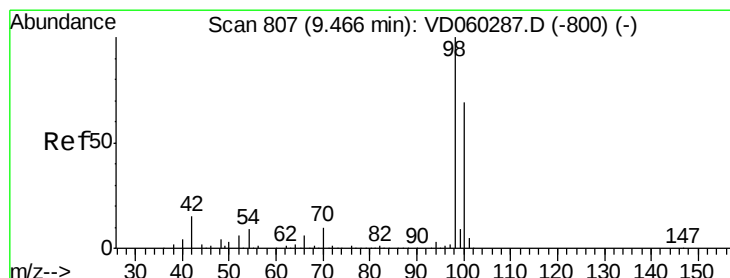
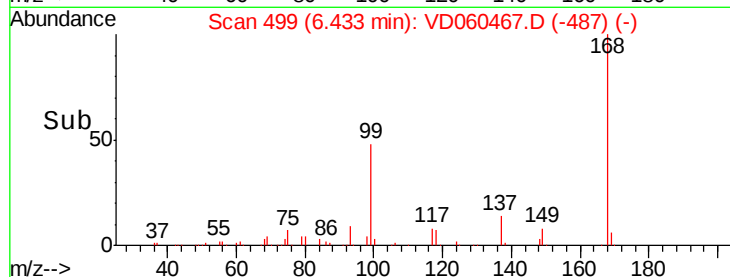
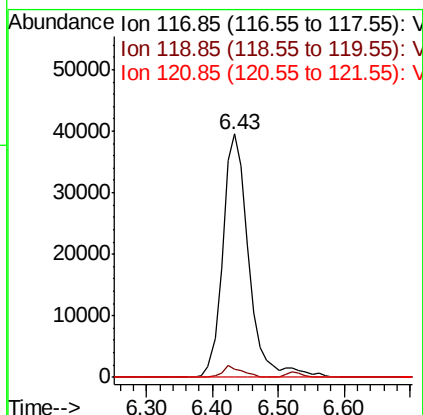
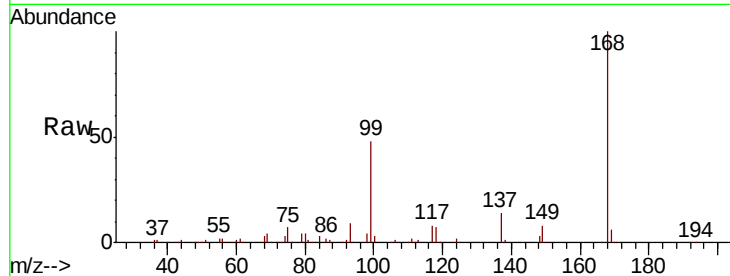




#38
Carbon Tetrachloride
Concen: 6.318 ug/l
RT: 6.43 min Scan# 499
Delta R.T. -0.08 min
Lab File: VD060467.D
Acq: 3 Dec 2018 11:04

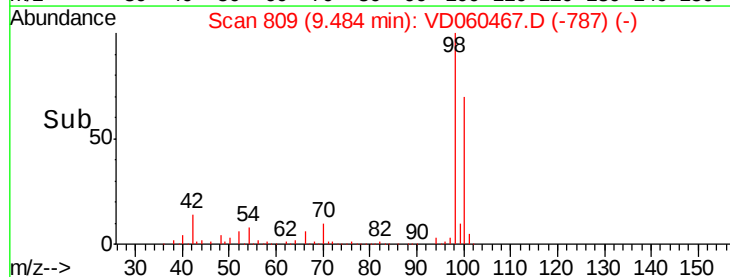
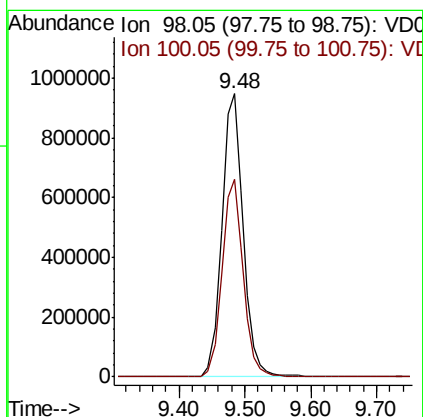
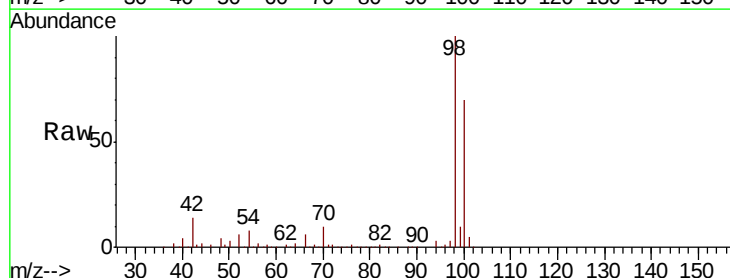
Instrument :
MSVOA_D
ClientSampleId :
VD1203SBL01

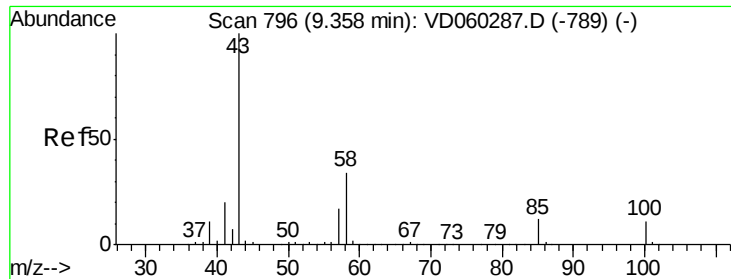
Tot Ion:117 Resp: 109156
Ion Ratio Lower Upper
117 100
119 3.2 76.6 115.0#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.48 min Scan# 809
Delta R.T. 0.02 min
Lab File: VD060467.D
Acq: 3 Dec 2018 11:04

Tgt Ion: 98 Resp: 2137898
Ion Ratio Lower Upper
98 100
100 70.0 55.2 82.8





#51

4-Methyl-2-Pentanone

Concen: 1.424 ug/l

RT: 9.37 min Scan# 797

Delta R.T. 0.01 min

Lab File: VD060467.D

Acq: 3 Dec 2018 11:04

Instrument :

MSVOA_D

ClientSampleId :

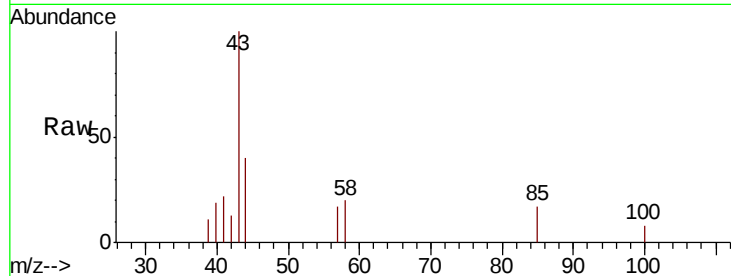
VD1203SBL01

Tot Ion: 43 Resp: 9977

Ion Ratio Lower Upper

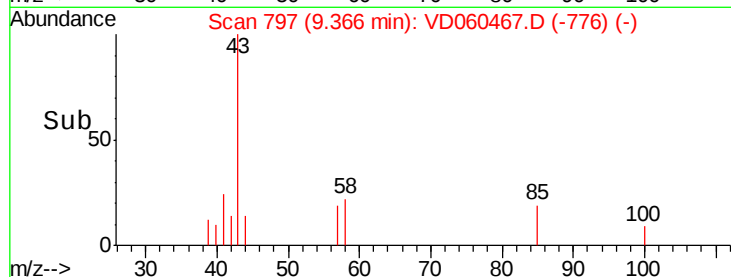
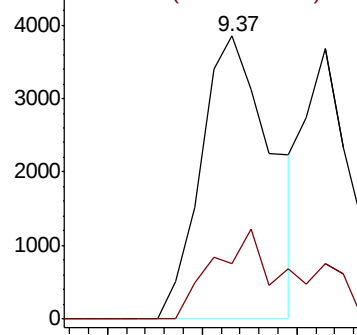
43 100

58 19.7 26.1 39.1#

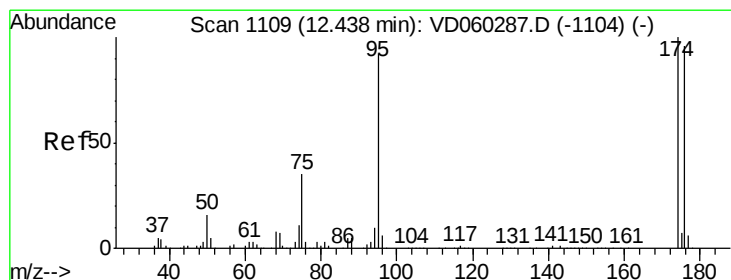


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.44 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VD060467.D

Acq: 3 Dec 2018 11:04

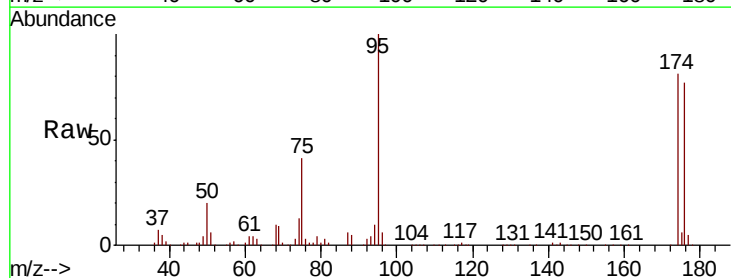
Tgt Ion: 95 Resp: 778810

Ion Ratio Lower Upper

95 100

174 80.6 0.0 160.8

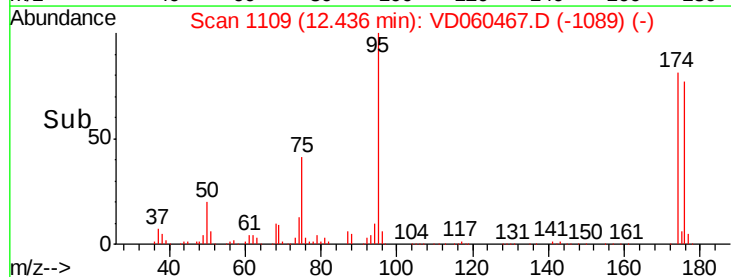
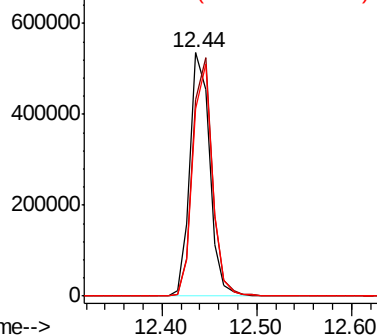
176 77.0 0.0 154.6



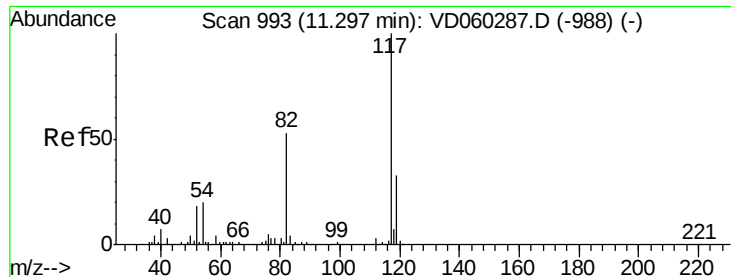
Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



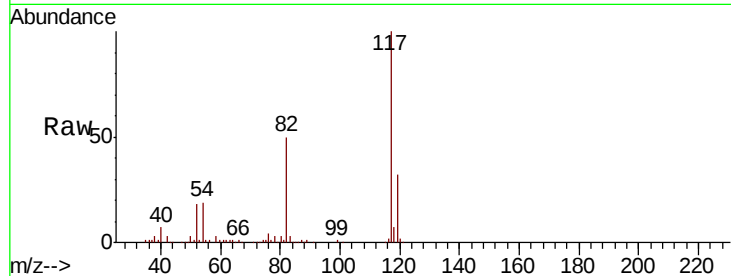
Time-->



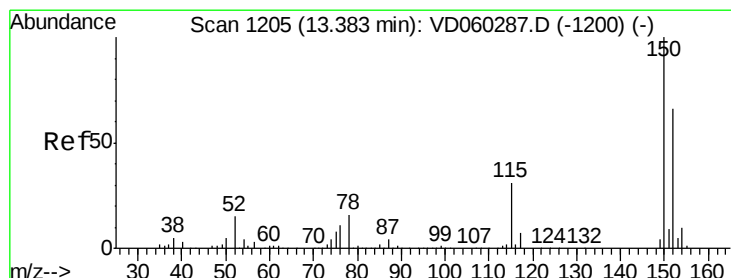
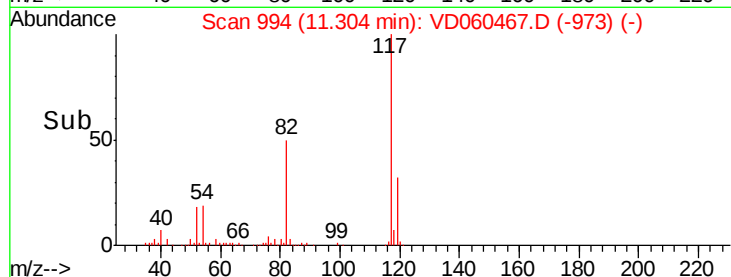
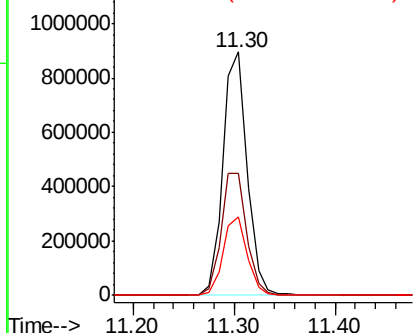
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 994
Delta R.T. 0.01 min
Lab File: VD060467.D
Acq: 3 Dec 2018 11:04

Instrument :
MSVOA_D
ClientSampleId :
VD1203SBL01

Tot Ion:117 Resp: 1499230
Ion Ratio Lower Upper
117 100
82 50.0 43.7 65.5
119 32.2 26.1 39.1

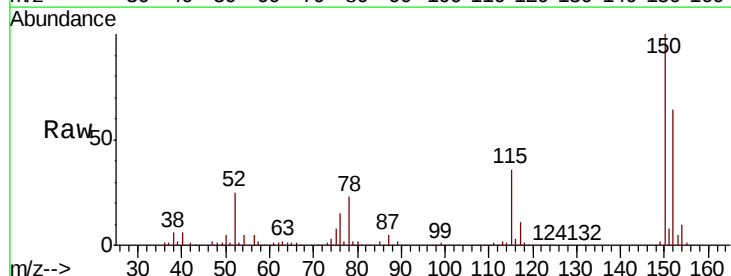


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

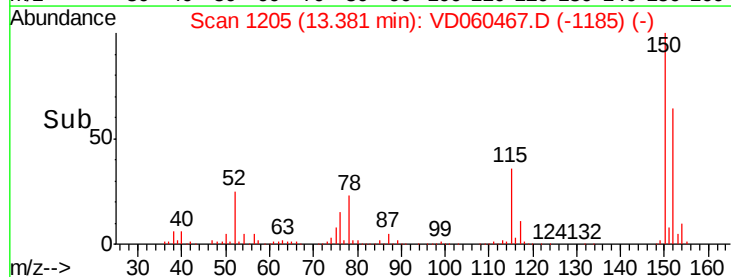
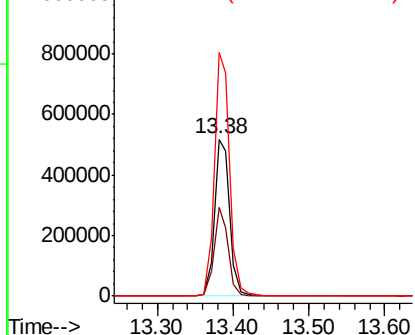


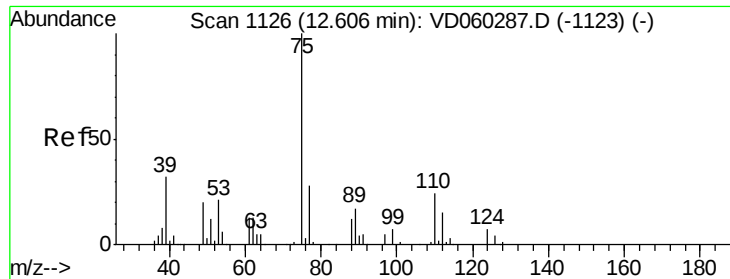
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. -0.00 min
Lab File: VD060467.D
Acq: 3 Dec 2018 11:04

Tgt Ion:152 Resp: 739817
Ion Ratio Lower Upper
152 100
115 56.4 24.1 72.3
150 155.1 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

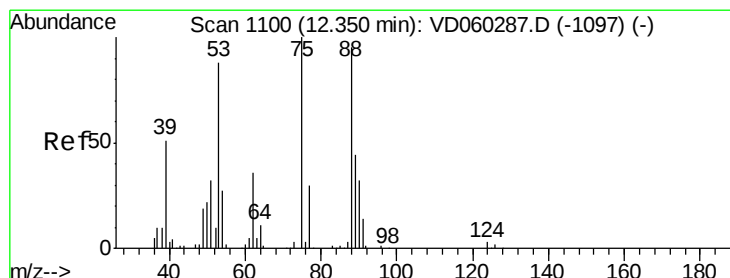
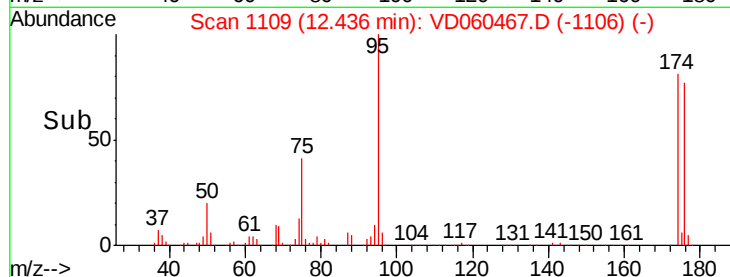
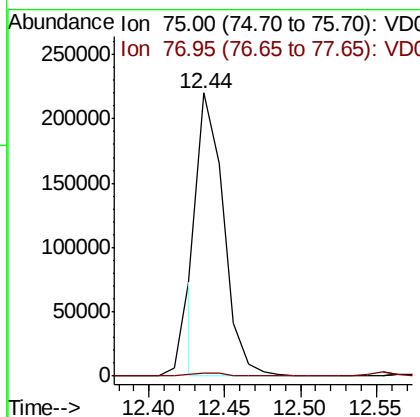
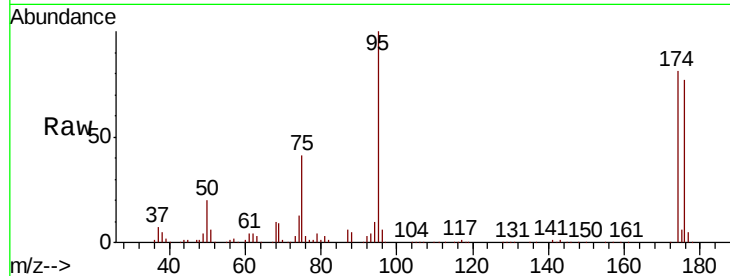




#76
 1,2,3-Trichloropropane
 Concen: 29.573 ug/l
 RT: 12.44 min Scan# 1109
 Delta R.T. -0.17 min
 Lab File: VD060467.D
 Acq: 3 Dec 2018 11:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1203SBL01

Tot Ion: 75 Resp: 261720
 Ion Ratio Lower Upper
 75 100
 77 1.3 16.4 49.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.199 ug/l
 RT: 12.44 min Scan# 1109
 Delta R.T. 0.09 min
 Lab File: VD060467.D
 Acq: 3 Dec 2018 11:04

Tgt Ion: 75 Resp: 307888
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.6 103.0#
 89 0.0 34.1 51.1#

