

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110918\
 Data File : VD060326.D
 Acq On : 9 Nov 2018 21:48
 Operator : VA/AP
 Sample : J5887-15
 Misc : 4.97g/5ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 W-3-S

Quant Time: Nov 12 01:37:19 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	6.41	168	992051	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.45	114	1406304	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.29	117	1018862	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	400117	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	501060	70.54	ug/l	0.00
Spiked Amount						
			Recovery	=	141.08%	
35) Dibromofluoromethane	6.33	113	602903	57.49	ug/l	-0.01
Spiked Amount						
			Recovery	=	114.98%	
50) Toluene-d8	9.46	98	1564028	50.96	ug/l	0.00
Spiked Amount						
			Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.44	95	477729	42.96	ug/l	0.00
Spiked Amount						
			Recovery	=	85.92%	

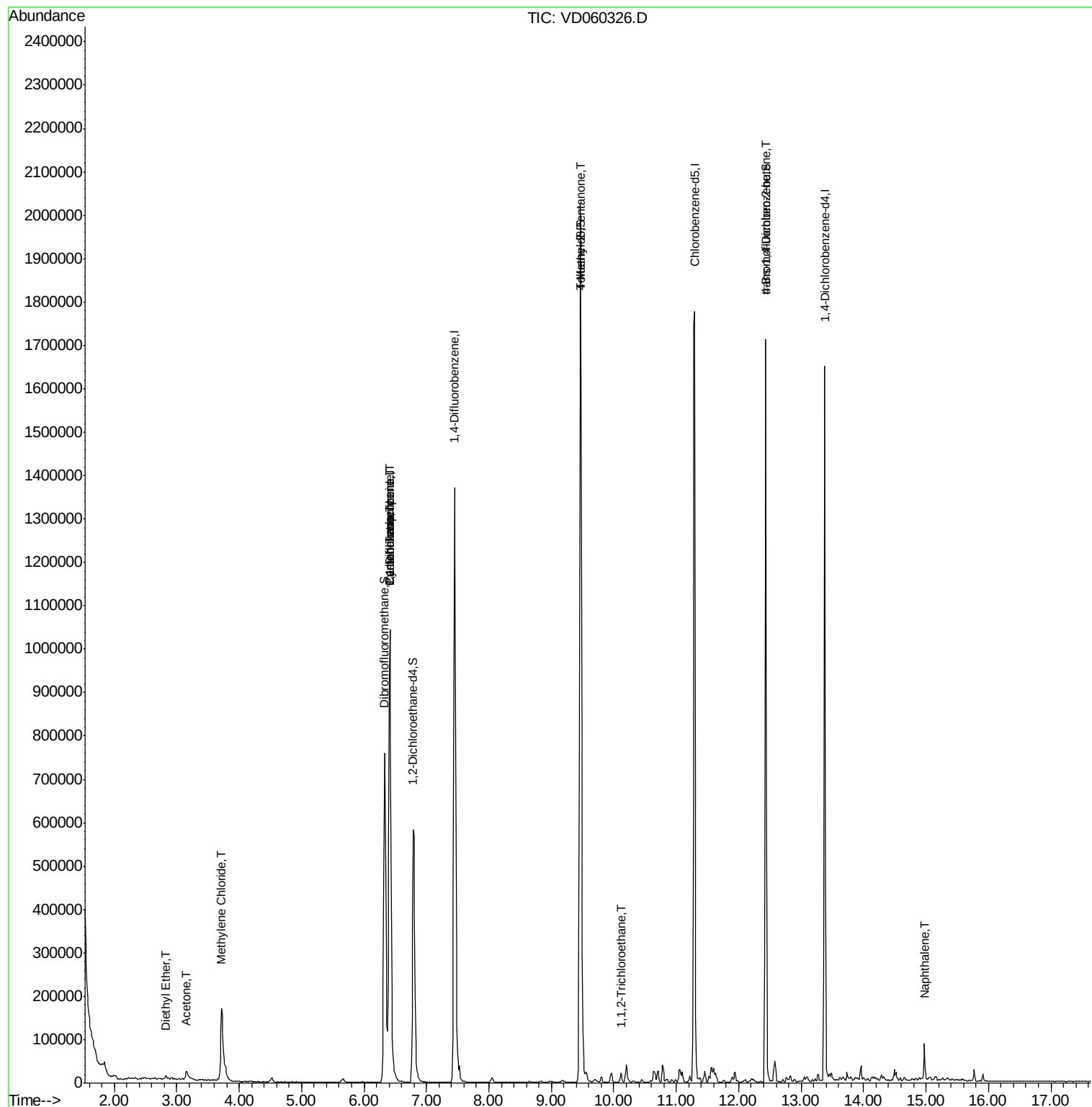
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	1578	Below Cal		82
8) Diethyl Ether	2.82	74	2399	1.464	ug/l	84
16) Acetone	3.16	43	37058	30.076	ug/l	97
20) Methylene Chloride	3.72	84	102317	9.361	ug/l	98
31) Cyclohexane	6.40	56	19944	1.176	ug/l #	1
36) 1,1-Dichloropropene	6.41	75	74801	5.384	ug/l #	45
38) Carbon Tetrachloride	6.41	117	77841	6.040	ug/l #	16
51) 4-Methyl-2-Pentanone	9.46	43	10763	2.059	ug/l #	1
55) 1,1,2-Trichloroethane	10.11	97	9581	1.459	ug/l #	19
81) trans-1,4-Dichloro-2-buten	12.43	75	205852	151.066	ug/l #	15
89) n-Butylbenzene	13.66	91	1239	Below Cal	#	59
95) Naphthalene	14.98	128	47826	4.366	ug/l	97

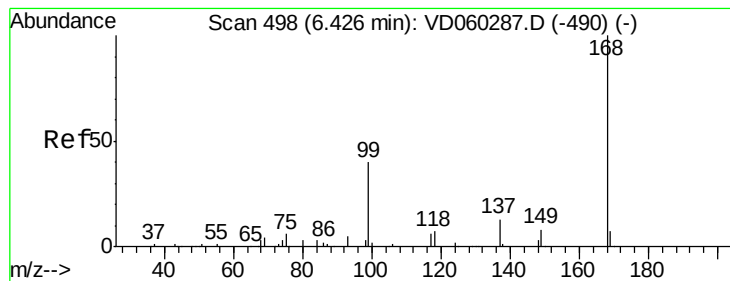
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD110918\
Data File : VD060326.D
Acq On : 9 Nov 2018 21:48
Operator : VA/AP
Sample : J5887-15
Misc : 4.97g/5ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
W-3-S

Quant Time: Nov 12 01:37:19 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: 6.41 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060326.D

Acq: 9 Nov 2018 21:48

Instrument :

MSVOA_D

ClientSampleID :

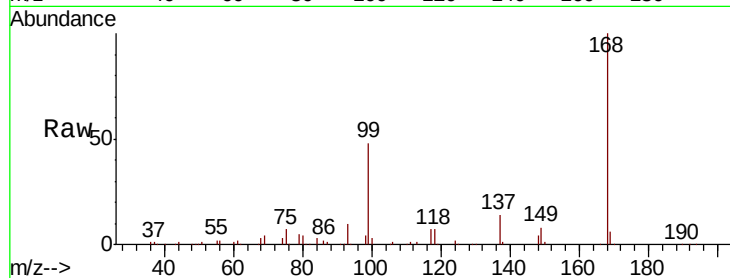
W-3-S

Tgt Ion: 168 Resp: 992051

Ion Ratio Lower Upper

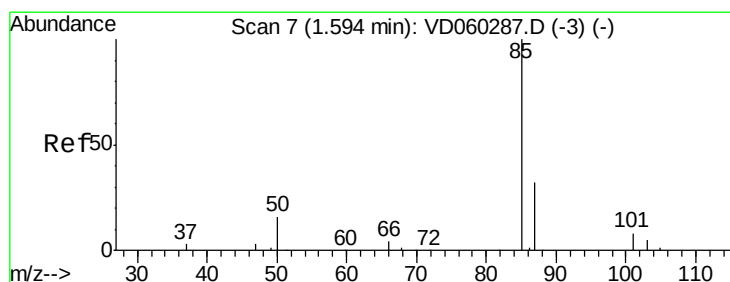
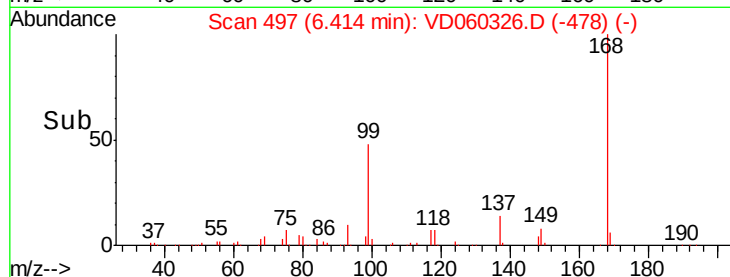
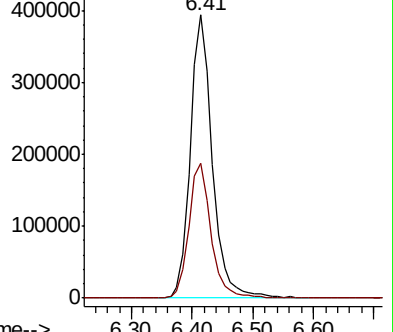
168 100

99 47.8 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.58 min Scan# 6

Delta R.T. -0.01 min

Lab File: VD060326.D

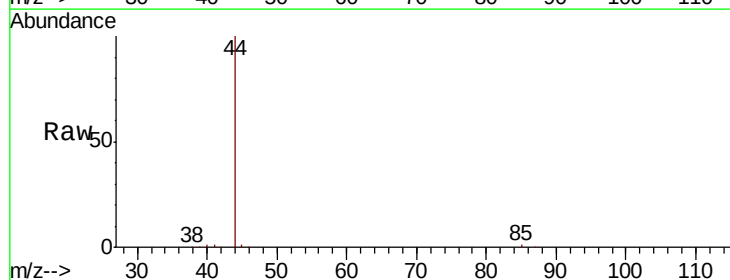
Acq: 9 Nov 2018 21:48

Tgt Ion: 85 Resp: 1578

Ion Ratio Lower Upper

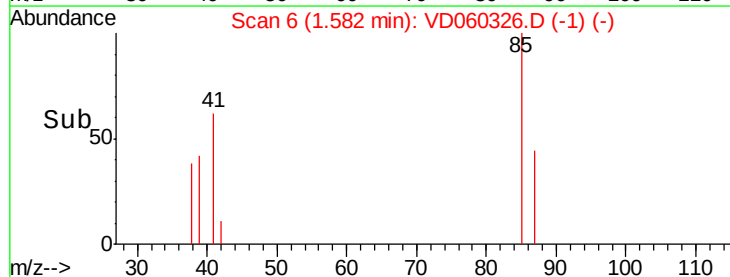
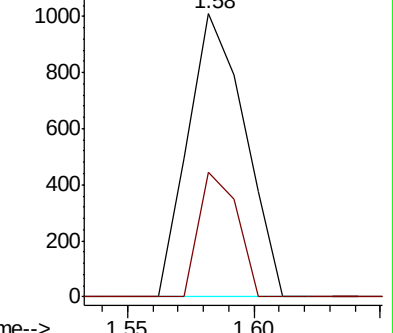
85 100

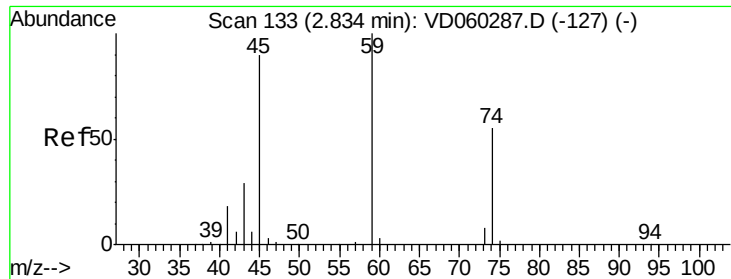
87 43.9 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#8

Diethyl Ether

Concen: 1.464 ug/l

RT: 2.82 min Scan# 132

Delta R.T. -0.01 min

Lab File: VD060326.D

Acq: 9 Nov 2018 21:48

Instrument :

MSVOA_D

ClientSampled :

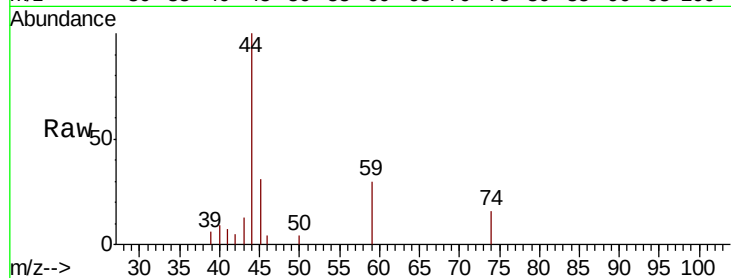
W-3-S

Tgt Ion: 74 Resp: 2399

Ion Ratio Lower Upper

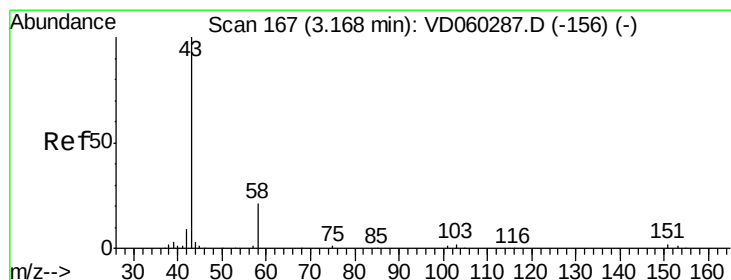
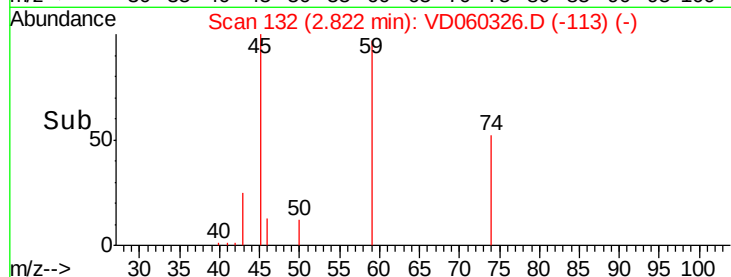
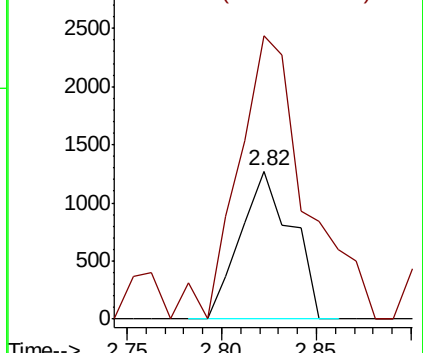
74 100

45 190.9 84.8 254.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#16

Acetone

Concen: 30.076 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD060326.D

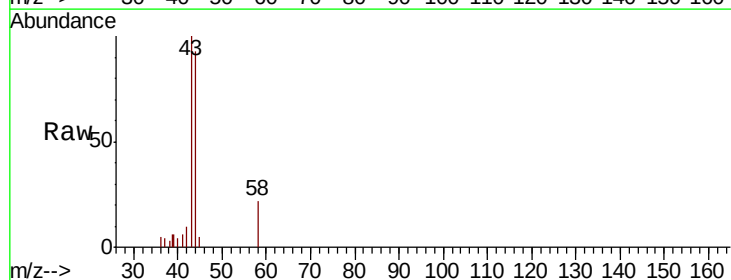
Acq: 9 Nov 2018 21:48

Tgt Ion: 43 Resp: 37058

Ion Ratio Lower Upper

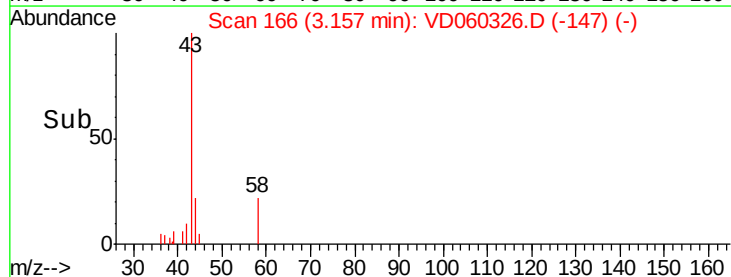
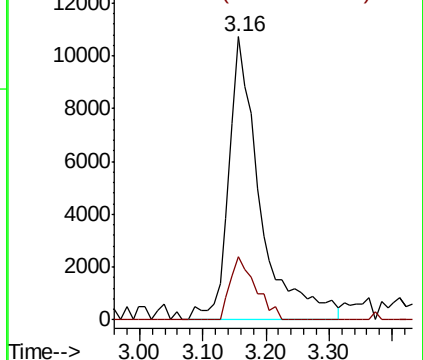
43 100

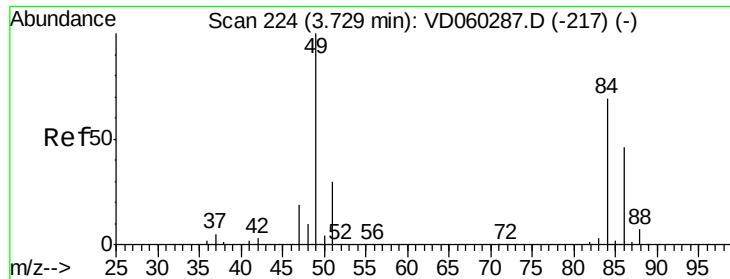
58 22.3 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

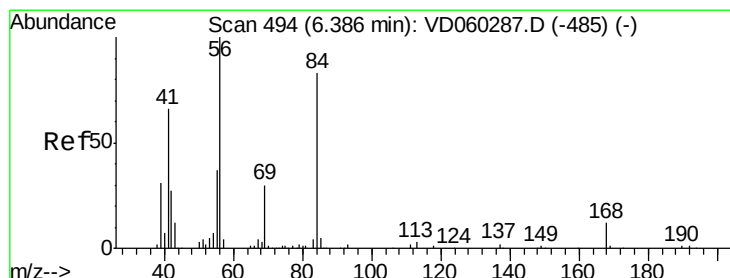
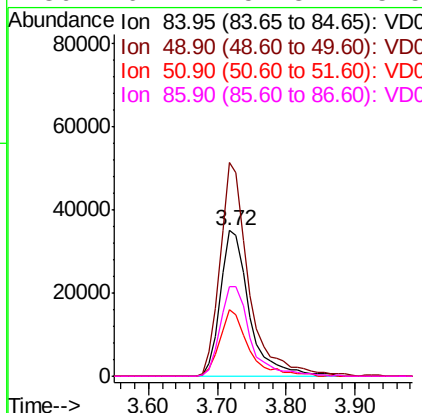
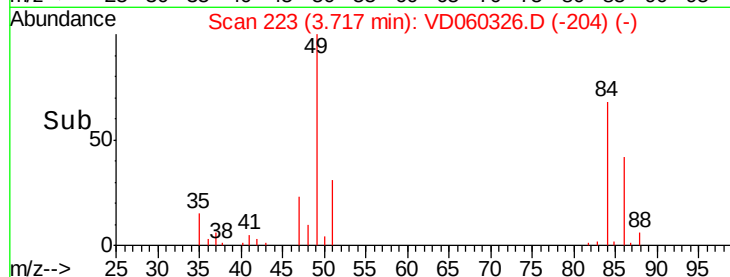
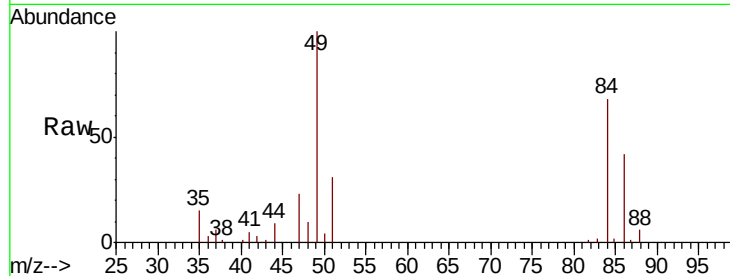




#20
Methylene Chloride
Concen: 9.361 ug/l
RT: 3.72 min Scan# 223
Delta R.T. -0.01 min
Lab File: VD060326.D
Acq: 9 Nov 2018 21:48

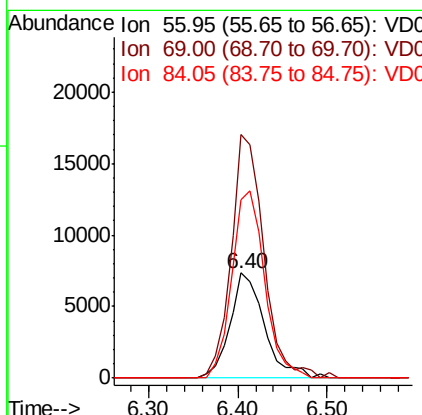
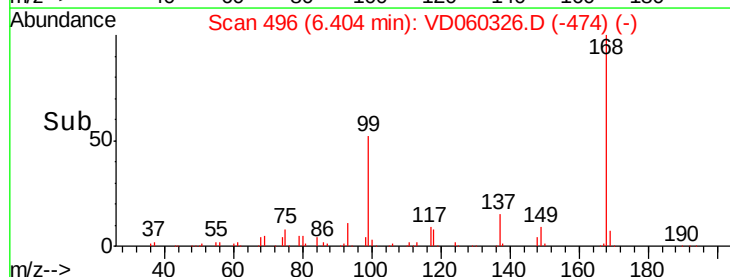
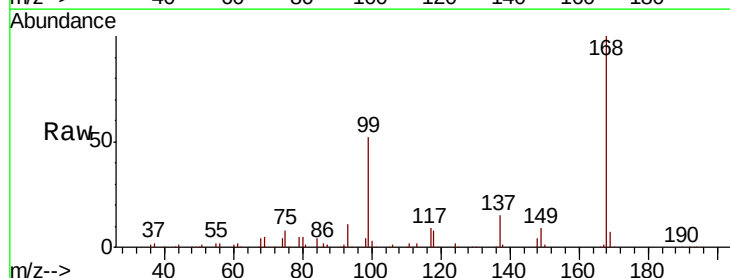
Instrument :
MSVOA_D
ClientSampleId :
W-3-S

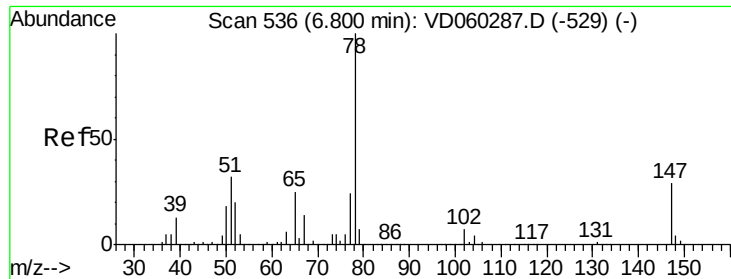
Tgt Ion:	84	Resp:	102317
Ion	Ratio	Lower	Upper
84	100		
49	146.8	115.6	173.4
51	45.4	35.6	53.4
86	61.7	52.3	78.5



#31
Cyclohexane
Concen: 1.176 ug/l
RT: 6.40 min Scan# 496
Delta R.T. 0.02 min
Lab File: VD060326.D
Acq: 9 Nov 2018 21:48

Tgt Ion:	56	Resp:	19944
Ion	Ratio	Lower	Upper
56	100		
69	231.9	22.2	33.2#
84	169.8	63.0	94.4#

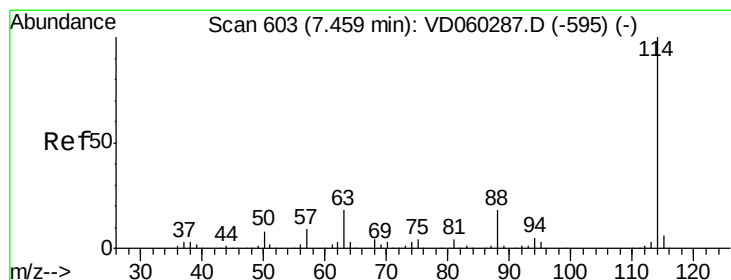
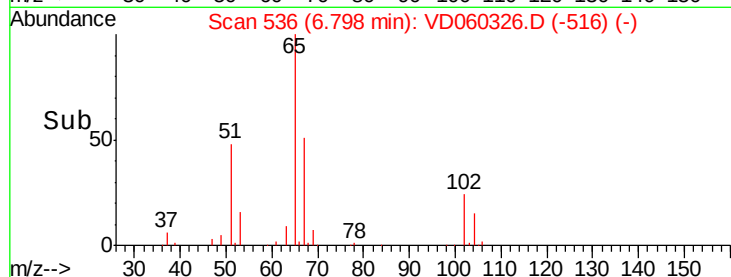
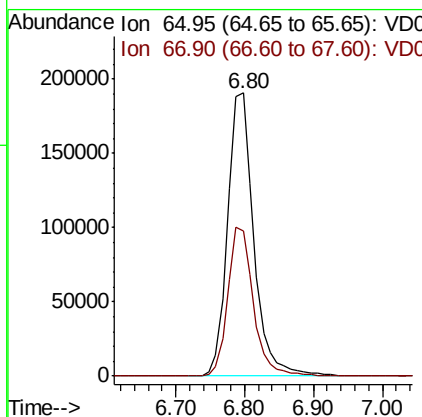
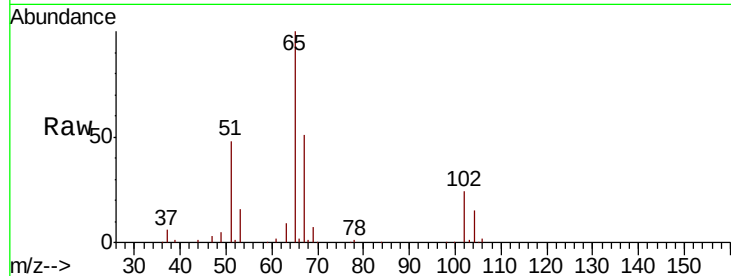




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.80 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VD060326.D
 Acq: 9 Nov 2018 21:48

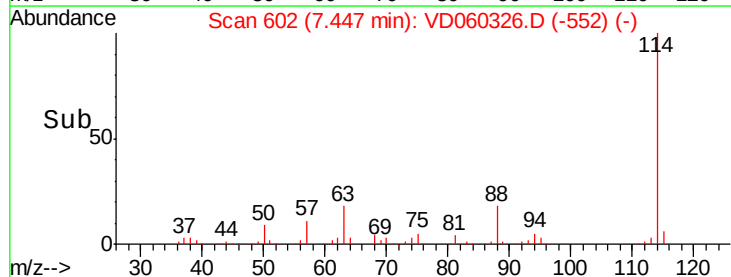
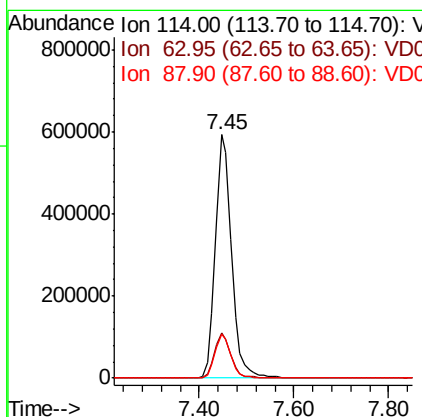
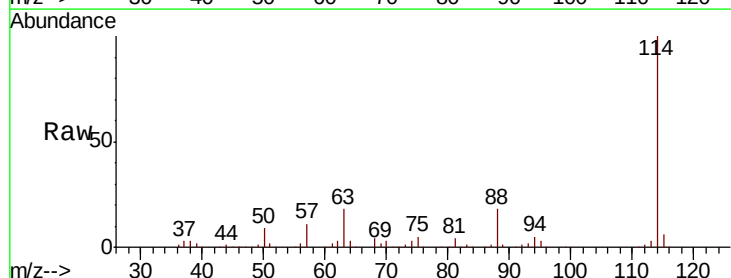
Instrument :
 MSVOA_D
 ClientSampleId :
 W-3-S

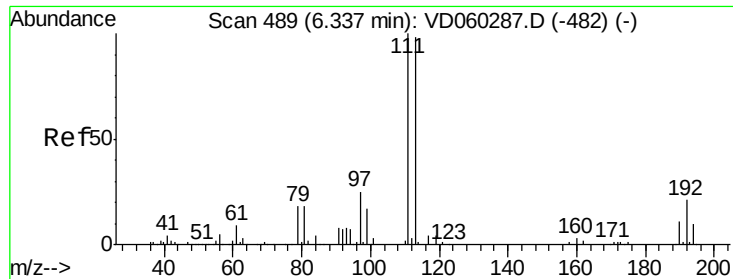
Tgt Ion: 65 Resp: 501060
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VD060326.D
 Acq: 9 Nov 2018 21:48

Tgt Ion: 114 Resp: 1406304
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 34.0
 88 18.2 0.0 35.4

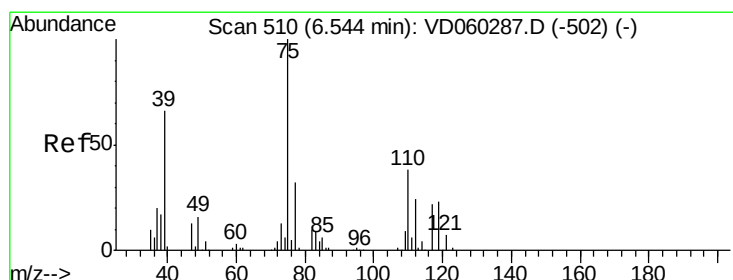
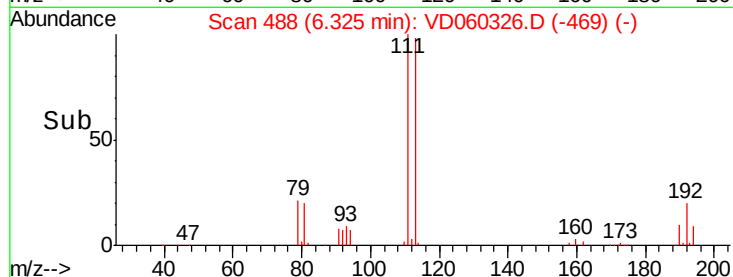
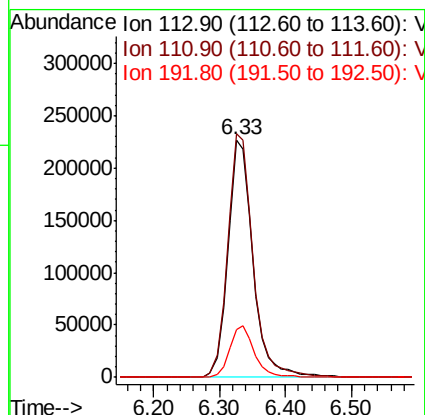
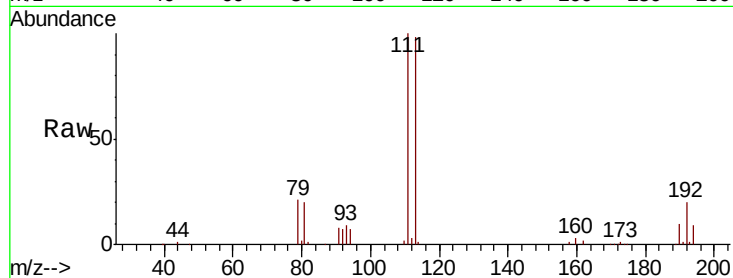




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: VD060326.D
 Acq: 9 Nov 2018 21:48

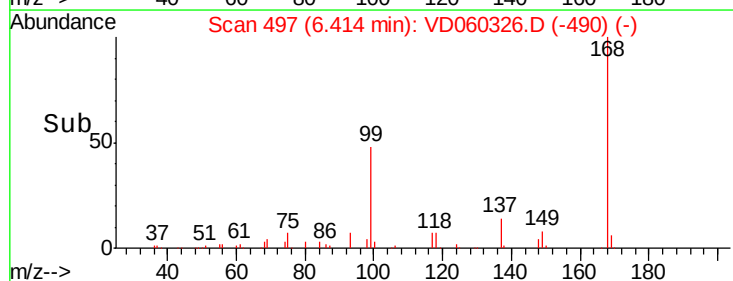
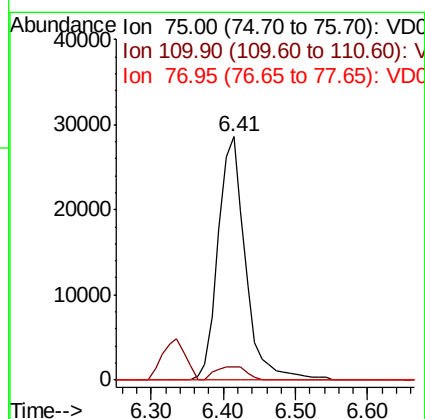
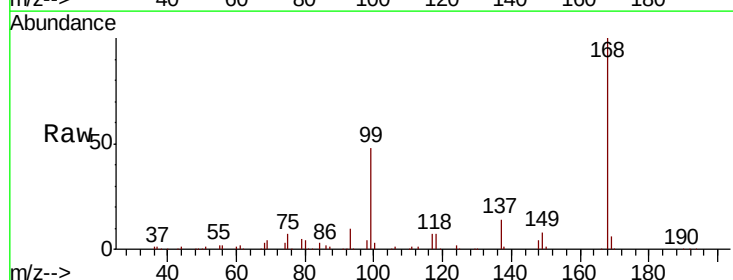
Instrument :
 MSVOA_D
 ClientSampleId :
 W-3-S

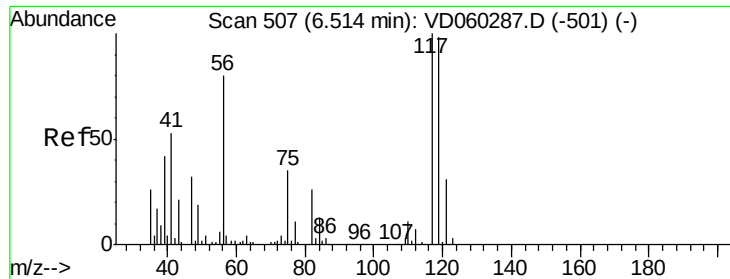
Tgt Ion: 113 Resp: 602903
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.6 122.4
 192 20.1 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 5.384 ug/l
 RT: 6.41 min Scan# 497
 Delta R.T. -0.13 min
 Lab File: VD060326.D
 Acq: 9 Nov 2018 21:48

Tgt Ion: 75 Resp: 74801
 Ion Ratio Lower Upper
 75 100
 110 5.3 18.0 54.0#
 77 0.0 25.6 38.4#





#38

Carbon Tetrachloride

Concen: 6.040 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.10 min

Lab File: VD060326.D

Acq: 9 Nov 2018 21:48

Instrument :

MSVOA_D

ClientSampleId :

W-3-S

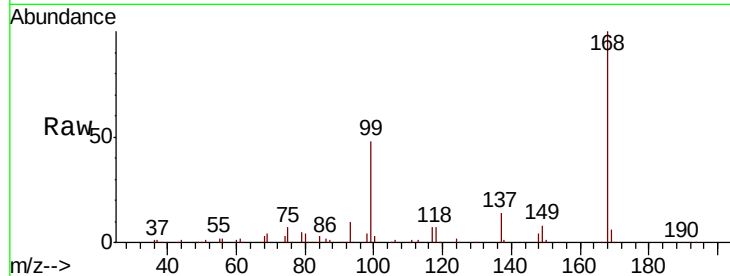
Tgt Ion:117 Resp: 77841

Ion Ratio Lower Upper

117 100

119 4.7 76.6 115.0#

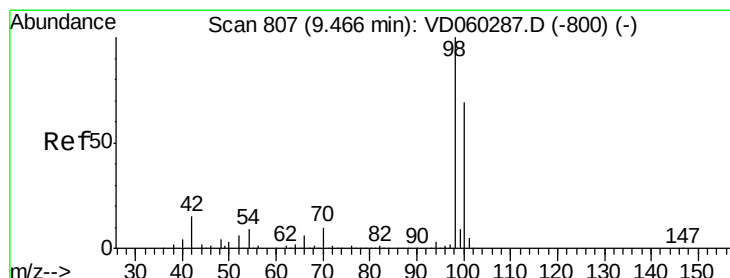
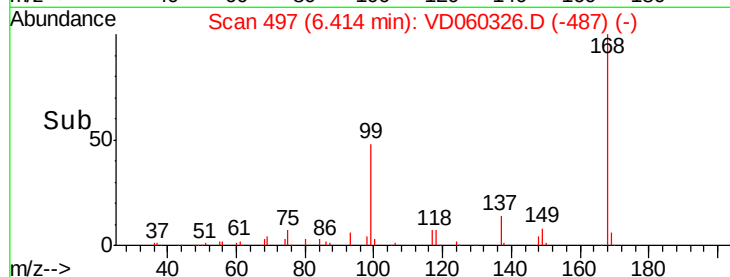
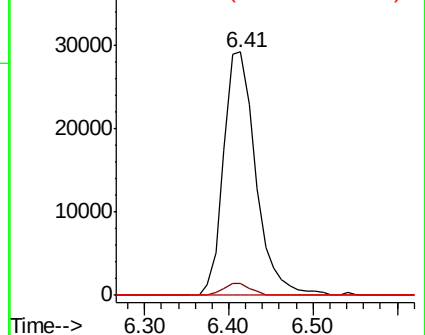
121 0.0 24.3 36.5#



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: N.D. ug/l

RT: 9.46 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD060326.D

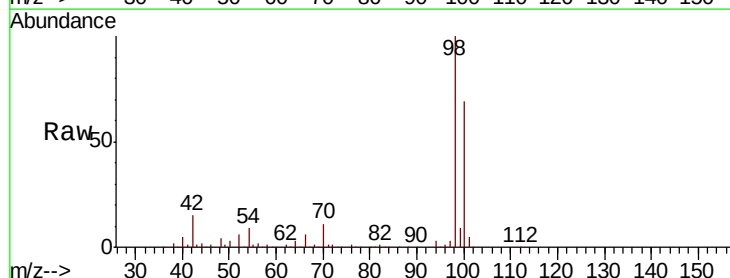
Acq: 9 Nov 2018 21:48

Tgt Ion: 98 Resp: 1564028

Ion Ratio Lower Upper

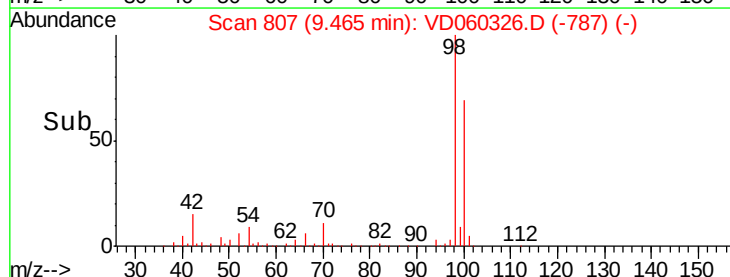
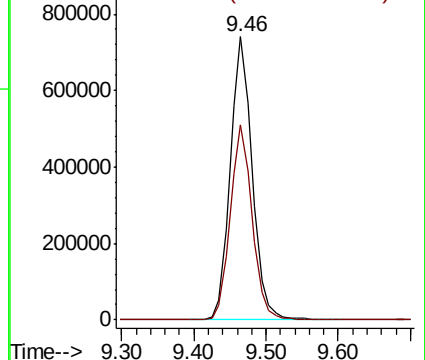
98 100

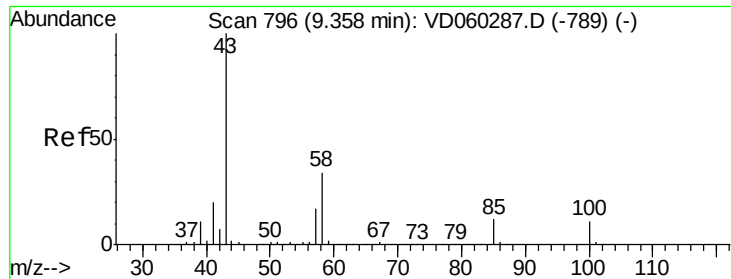
100 68.8 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 2.059 ug/l

RT: 9.46 min Scan# 807

Delta R.T. 0.11 min

Lab File: VD060326.D

Acq: 9 Nov 2018 21:48

Instrument :

MSVOA_D

ClientSampleId :

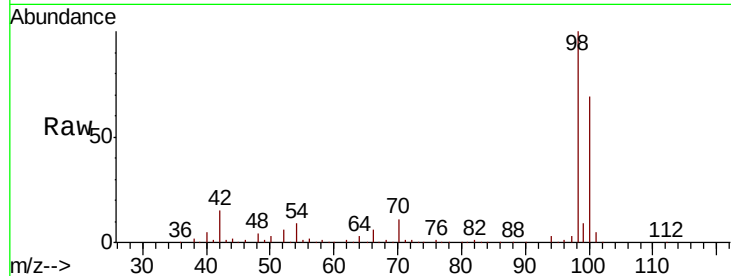
W-3-S

Tgt Ion: 43 Resp: 10763

Ion Ratio Lower Upper

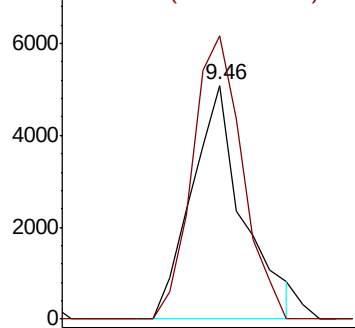
43 100

58 121.1 26.1 39.1#

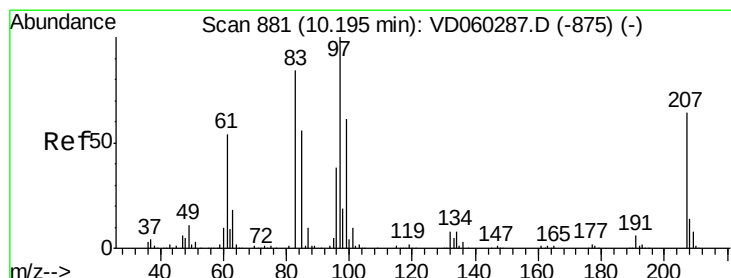
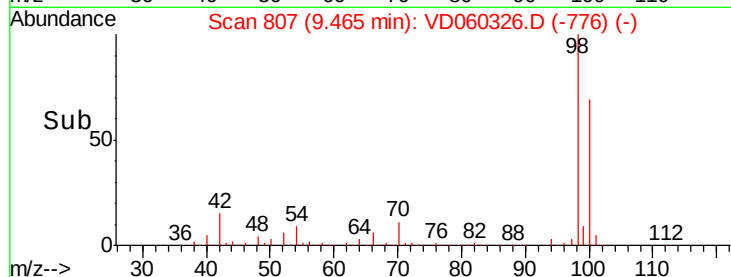


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#55

1,1,2-Trichloroethane

Concen: 1.459 ug/l

RT: 10.11 min Scan# 873

Delta R.T. -0.08 min

Lab File: VD060326.D

Acq: 9 Nov 2018 21:48

Tgt Ion: 97 Resp: 9581

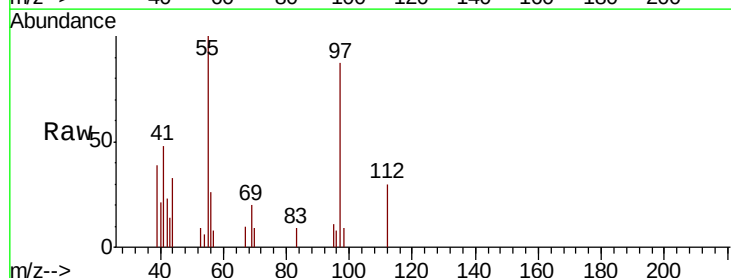
Ion Ratio Lower Upper

97 100

83 10.2 68.4 102.6#

85 0.0 46.8 70.2#

99 0.0 49.5 74.3#

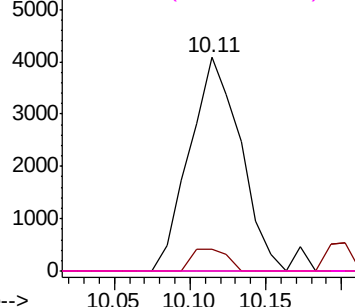


Abundance Ion 96.85 (96.55 to 97.55): VDC

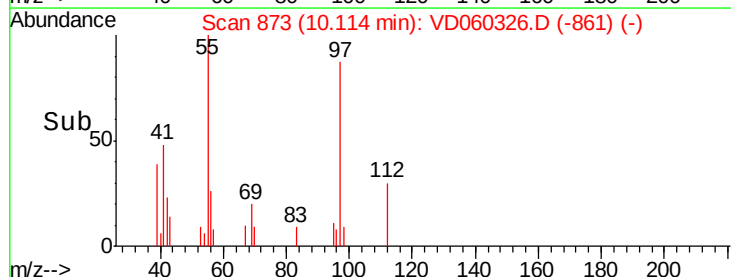
Ion 82.95 (82.65 to 83.65): VDC

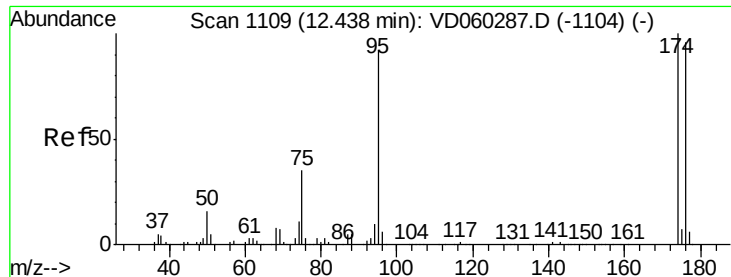
Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



Time-->





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.44 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VD060326.D

Acq: 9 Nov 2018 21:48

Instrument :

MSVOA_D

ClientSampleId :

W-3-S

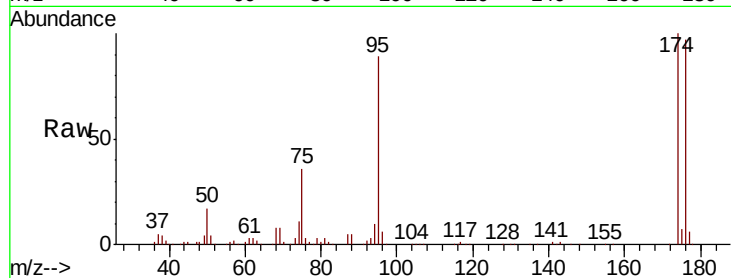
Tgt Ion: 95 Resp: 477729

Ion Ratio Lower Upper

95 100

174 112.5 0.0 160.8

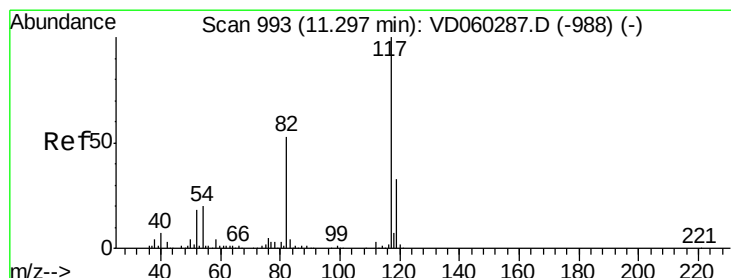
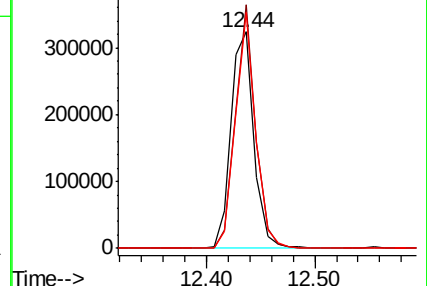
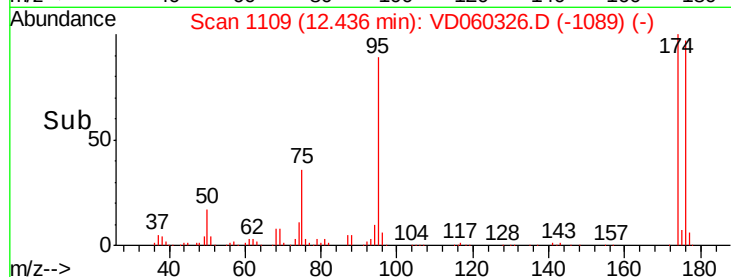
176 109.3 0.0 154.6



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: 11.29 min Scan# 993

Delta R.T. -0.00 min

Lab File: VD060326.D

Acq: 9 Nov 2018 21:48

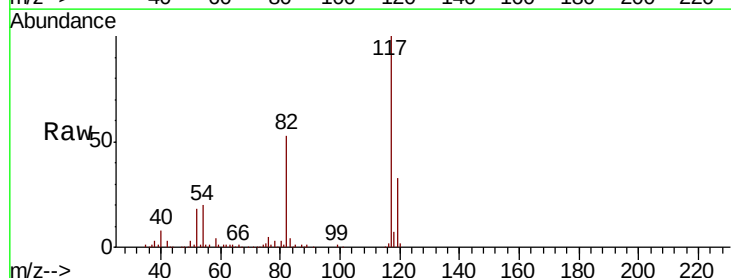
Tgt Ion: 117 Resp: 1018862

Ion Ratio Lower Upper

117 100

82 53.2 43.7 65.5

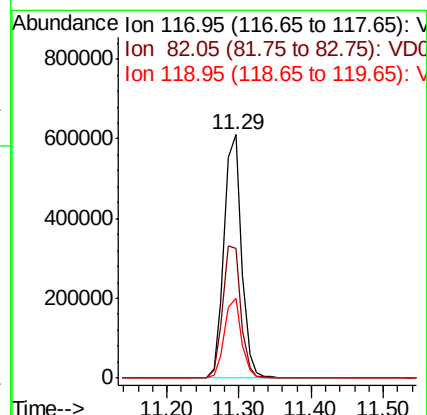
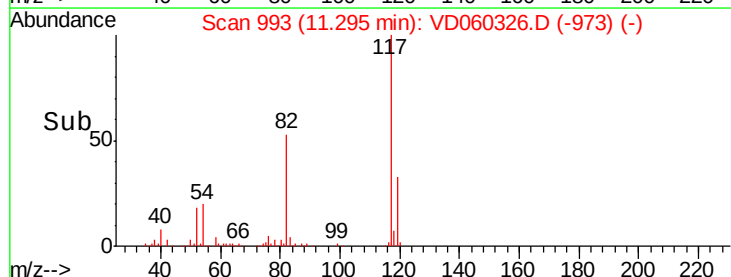
119 32.6 26.1 39.1

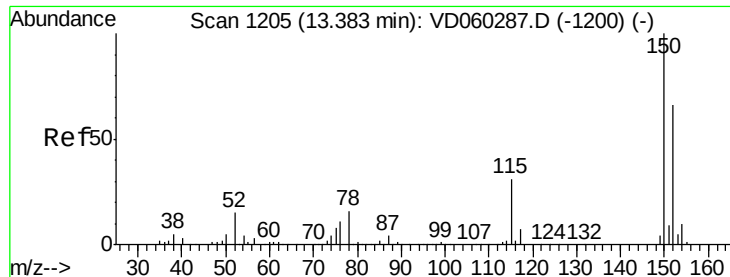


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD060326.D

Acq: 9 Nov 2018 21:48

Instrument :

MSVOA_D

ClientSampleId :

W-3-S

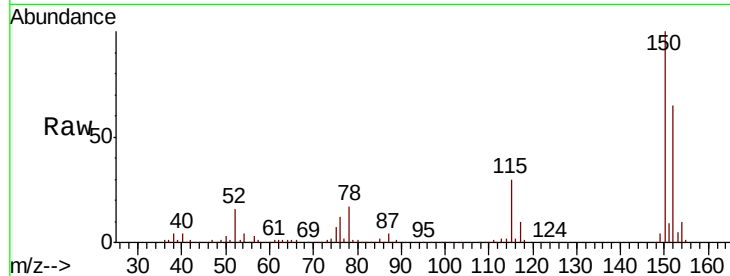
Tgt Ion:152 Resp: 400117

Ion Ratio Lower Upper

152 100

115 46.3 24.1 72.3

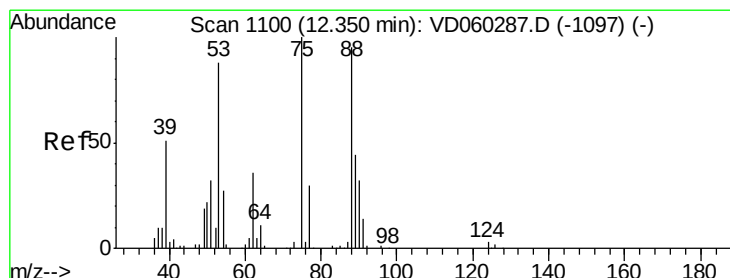
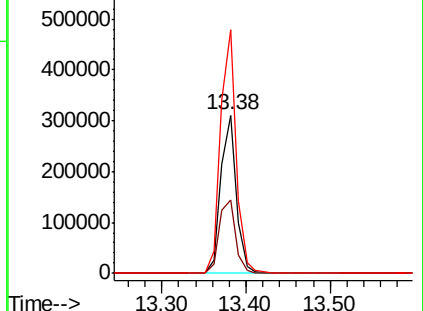
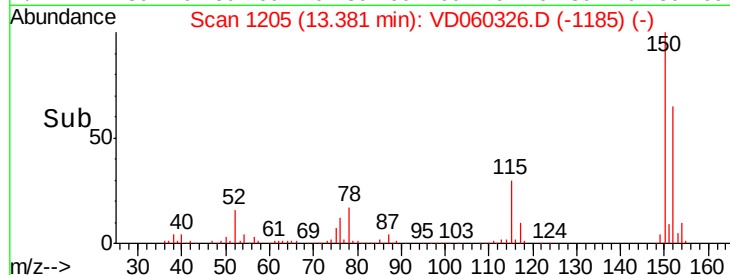
150 154.0 0.0 310.6



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: 151.066 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.08 min

Lab File: VD060326.D

Acq: 9 Nov 2018 21:48

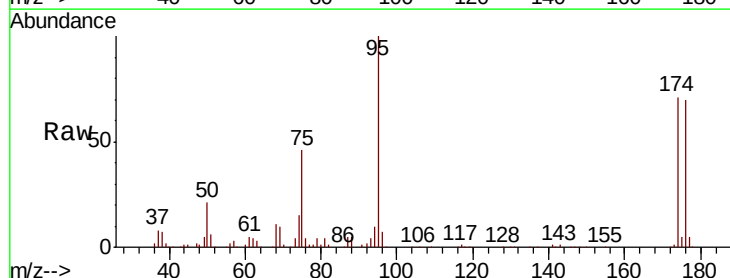
Tgt Ion: 75 Resp: 205852

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

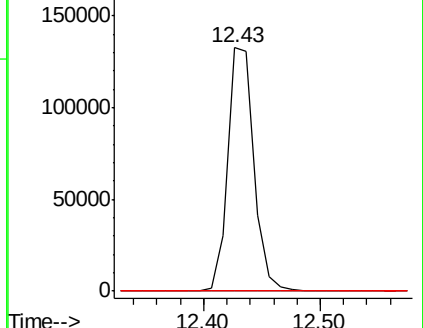
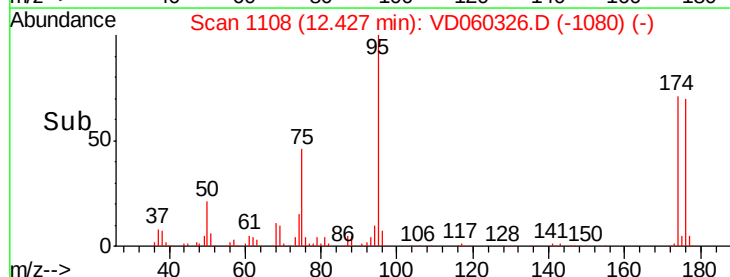
89 0.0 34.1 51.1#

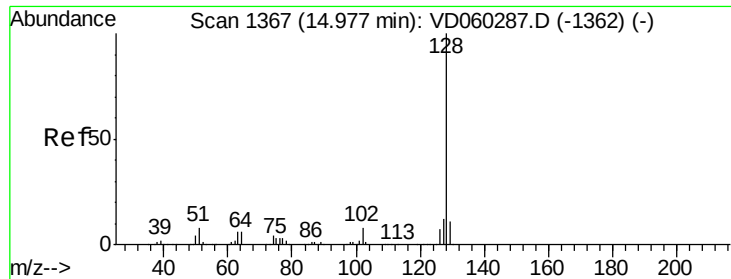


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC





#95
Naphthalene
Concen: 4.366 ug/l
RT: 14.98 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VD060326.D
Acq: 9 Nov 2018 21:48

Instrument :
MSVOA_D
ClientSampleId :
W-3-S

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.8	9.6	14.4
129	10.1	8.6	12.8

