

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020119\
 Data File : VD060819.D
 Acq On : 1 Feb 2019 15:11
 Operator : VA/AP
 Sample : K1292-01RE
 Misc : 3.22g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-1RE

Quant Time: Feb 02 00:24:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 13:53:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.76	168	505092	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.95	114	714737	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.14	117	593092	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.30	152	306320	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.19	65	323792	41.81	ug/l	-0.03
Spiked Amount			Recovery	=	83.62%	
35) Dibromofluoromethane	6.64	113	270392	39.45	ug/l	-0.03
Spiked Amount			Recovery	=	78.90%	
50) Toluene-d8	10.16	98	534086	33.37	ug/l	-0.03
Spiked Amount			Recovery	=	66.74%	
62) 4-Bromofluorobenzene	13.34	95	271354	33.73	ug/l	-0.02
Spiked Amount			Recovery	=	67.46%	

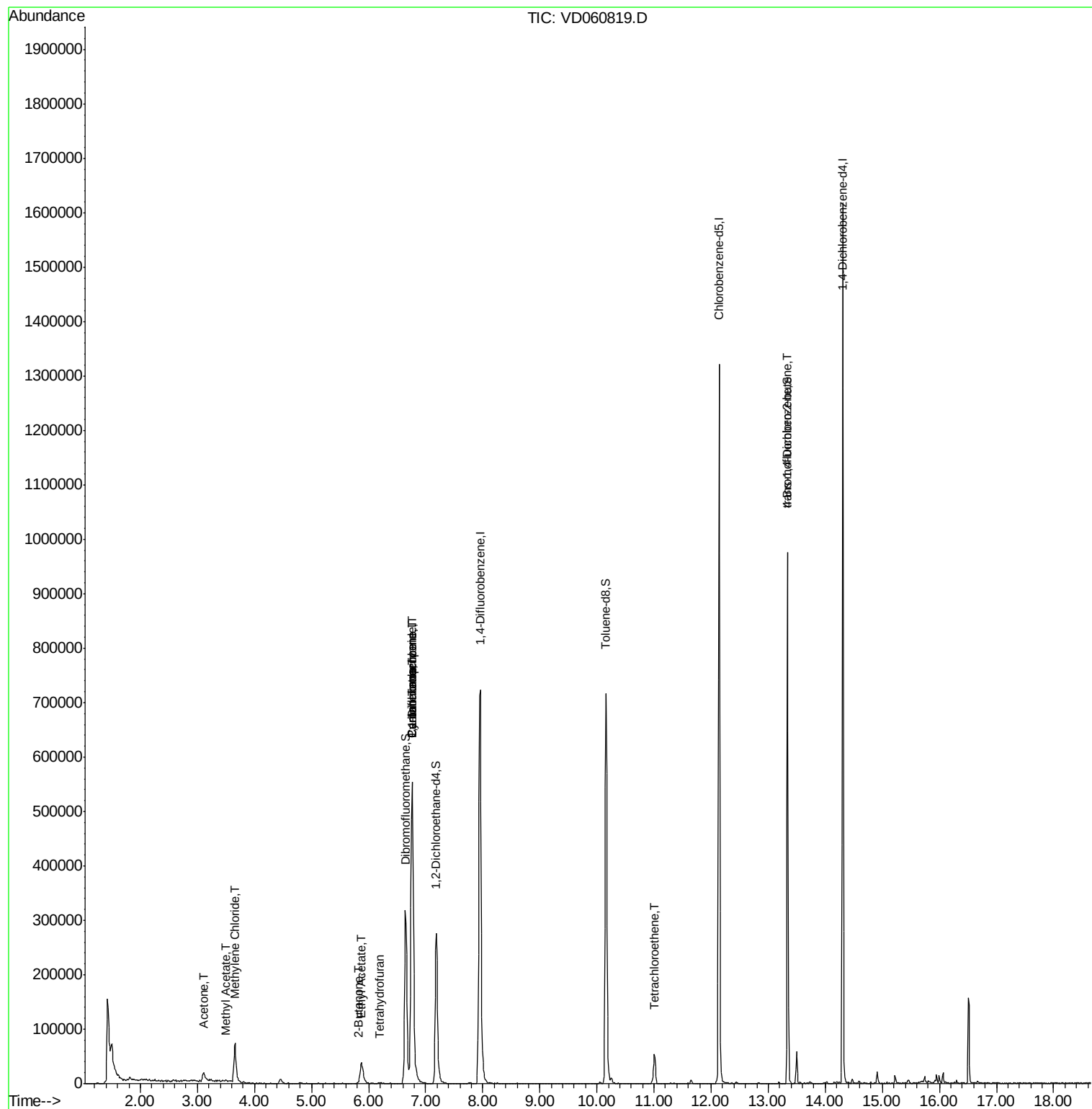
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.97	56	185	Below Cal	#	9
16) Acetone	3.10	43	36514	32.648	ug/l	100
18) Methyl Acetate	3.50	43	2779	1.253	ug/l #	63
20) Methylene Chloride	3.66	84	44569	4.848	ug/l	95
25) 2-Butanone	5.81	43	2895	2.022	ug/l #	59
29) Tetrahydrofuran	6.19	42	1258	1.830	ug/l #	52
31) Cyclohexane	6.76	56	15471	2.177	ug/l #	1
36) 1,1-Dichloropropene	6.76	75	51698	6.058	ug/l #	56
37) Ethyl Acetate	5.88	43	4036	1.059	ug/l #	43
38) Carbon Tetrachloride	6.76	117	61079	5.708	ug/l #	15
64) Tetrachloroethene	11.01	164	11135	2.046	ug/l #	90
81) trans-1,4-Dichloro-2-buten	13.34	75	143223	97.800	ug/l #	1

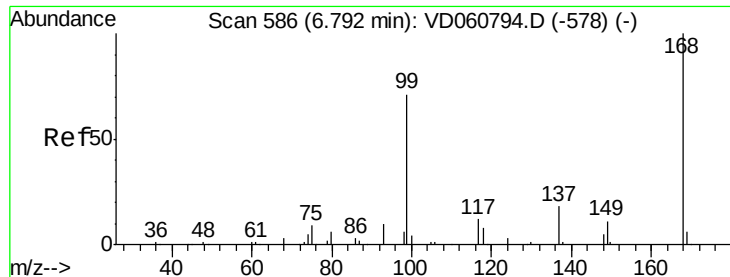
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 29 13:53:55 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.76 min Scan# 583

Delta R.T. -0.03 min

Lab File: VD060819.D

Acq: 1 Feb 2019 15:11

Instrument :

MSVOA_D

ClientSampleId :

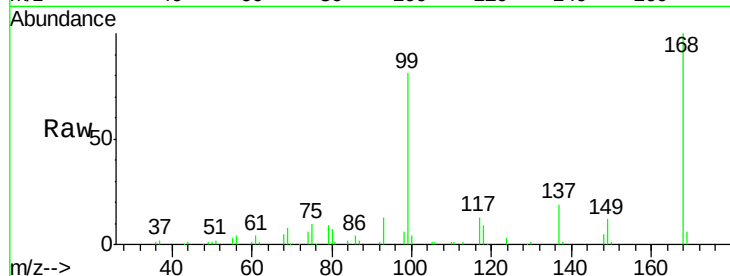
WC-1RE

Tot Ion:168 Resp: 505092

Ion Ratio Lower Upper

168 100

99 81.0 59.2 88.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.76

150000

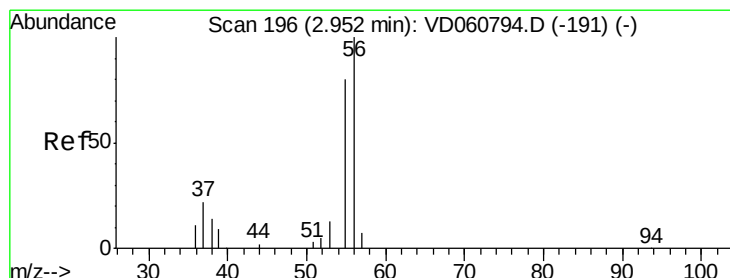
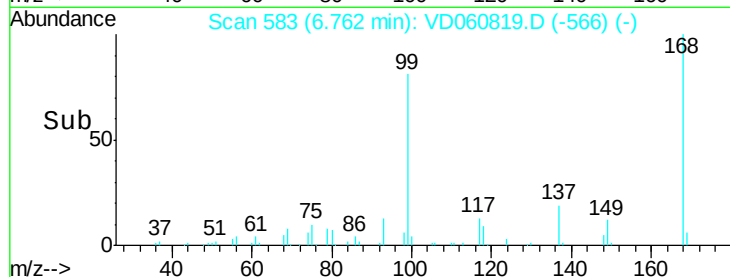
100000

50000

0

Time-->

6.60 6.70 6.80 6.90 7.00



#13

Acrolein

Concen: Below Cal

RT: 2.97 min Scan# 198

Delta R.T. 0.02 min

Lab File: VD060819.D

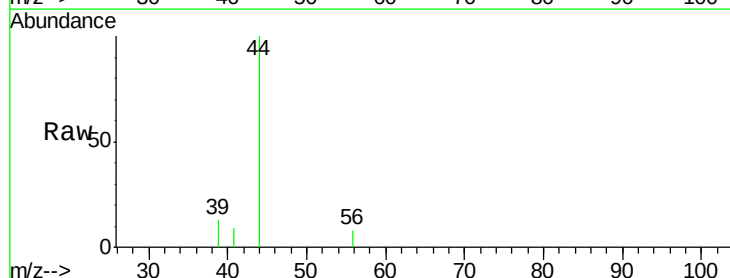
Acq: 1 Feb 2019 15:11

Tgt Ion: 56 Resp: 185

Ion Ratio Lower Upper

56 100

55 0.0 64.2 96.2#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

600

500

400

300

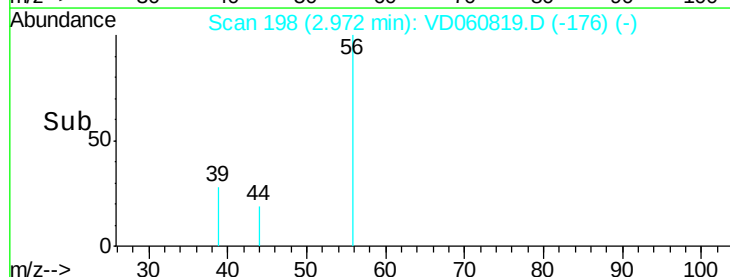
200

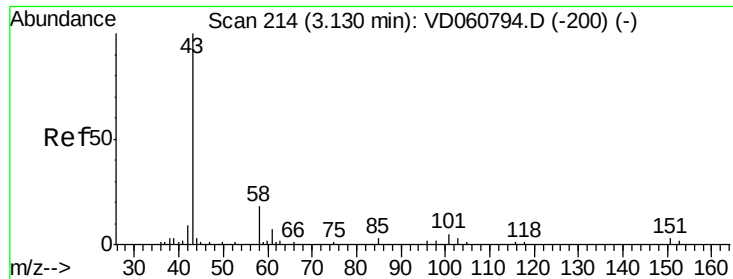
100

0

Time-->

2.94 2.96 2.98 3.00





#16

Acetone

Concen: 32.648 ug/l

RT: 3.10 min Scan# 211

Delta R.T. -0.03 min

Lab File: VD060819.D

Acq: 1 Feb 2019 15:11

Instrument :

MSVOA_D

ClientSampleId :

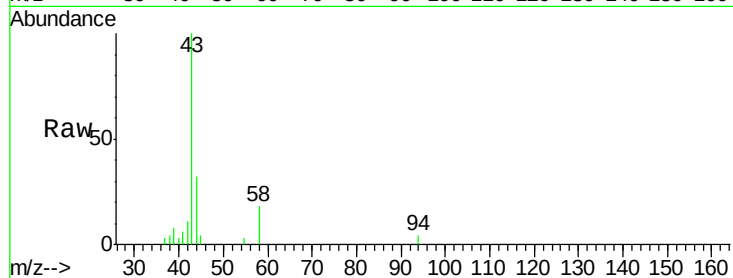
WC-1RE

Tot Ion: 43 Resp: 36514

Ion Ratio Lower Upper

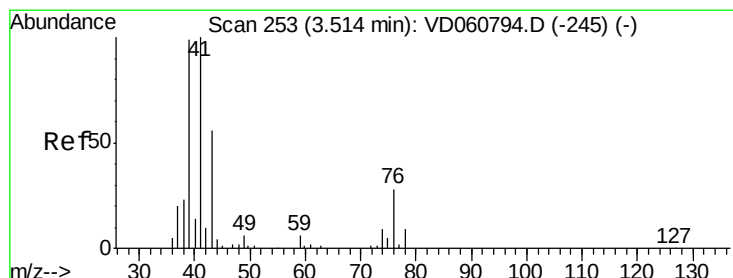
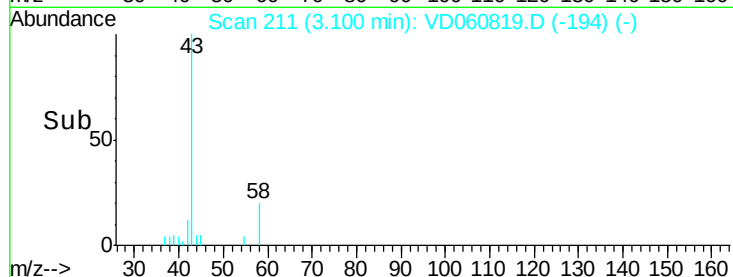
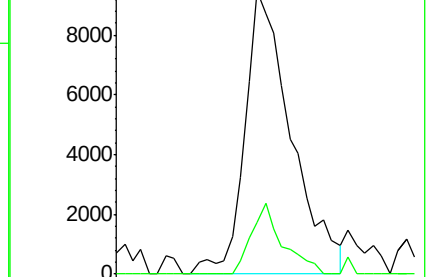
43 100

58 18.2 14.5 21.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 1.253 ug/l

RT: 3.50 min Scan# 252

Delta R.T. -0.01 min

Lab File: VD060819.D

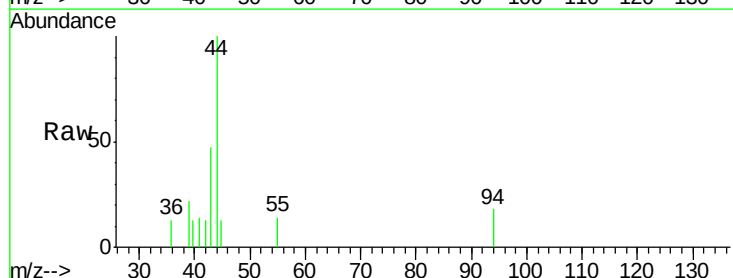
Acq: 1 Feb 2019 15:11

Tgt Ion: 43 Resp: 2779

Ion Ratio Lower Upper

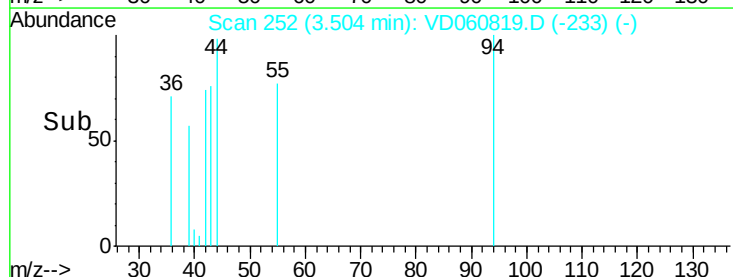
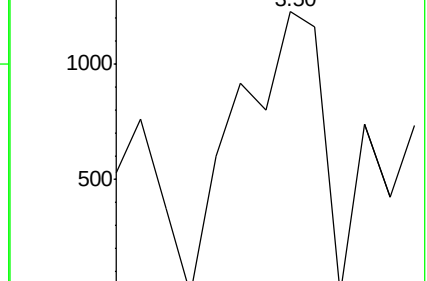
43 100

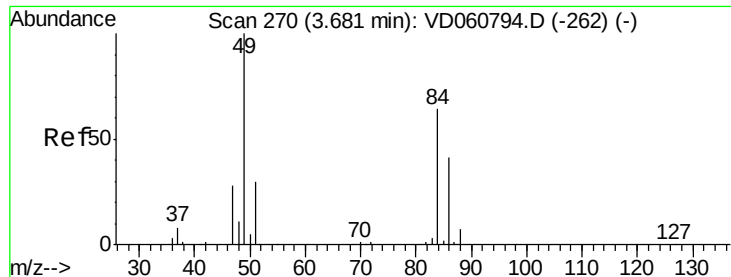
74 0.0 12.5 18.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

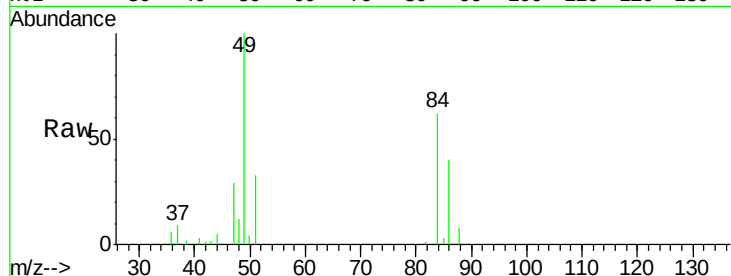




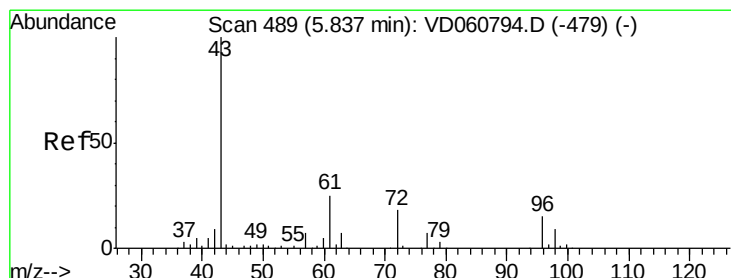
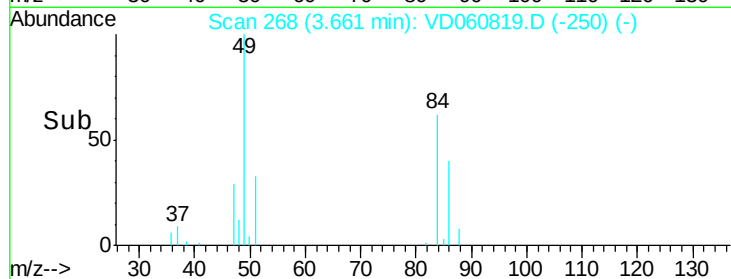
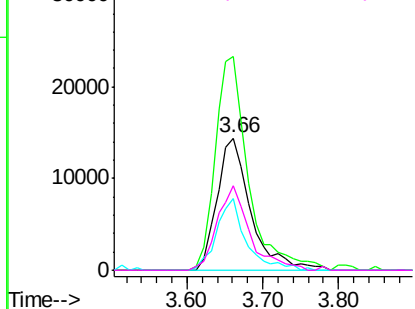
#20
Methvlene Chloride
Concen: 4.848 ug/l
RT: 3.66 min Scan# 268
Delta R.T. -0.02 min
Lab File: VD060819.D
Acq: 1 Feb 2019 15:11

Instrument :
MSVOA_D
ClientSampleId :
WC-1RE

Tot Ion:	84	Resp:	44569
Ion	Ratio	Lower	Upper
84	100		
49	161.5	124.2	186.2
51	53.9	38.1	57.1
86	64.1	50.6	76.0

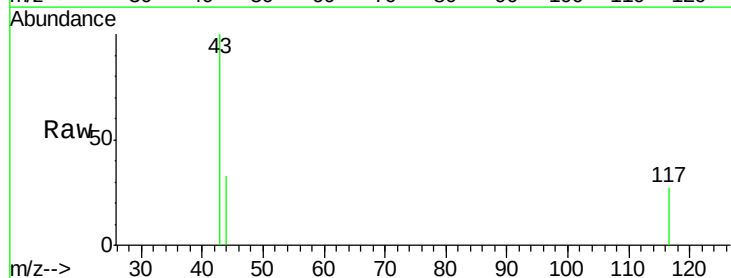


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

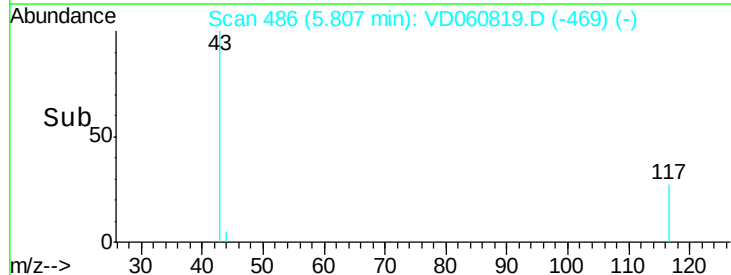
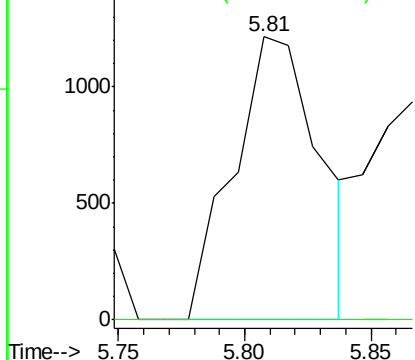


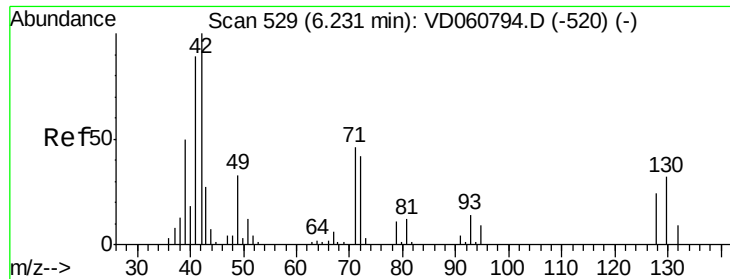
#25
2-Butanone
Concen: 2.022 ug/l
RT: 5.81 min Scan# 486
Delta R.T. -0.03 min
Lab File: VD060819.D
Acq: 1 Feb 2019 15:11

Tgt Ion:	43	Resp:	2895
Ion	Ratio	Lower	Upper
43	100		
72	0.0	14.4	21.6#



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

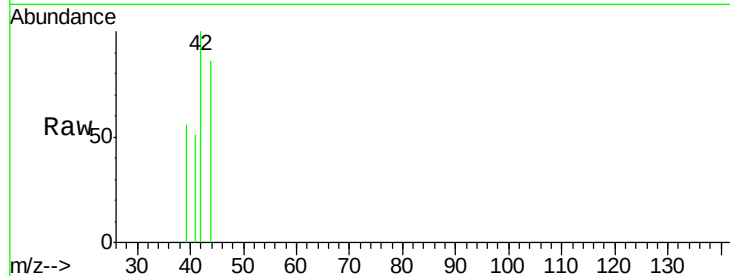




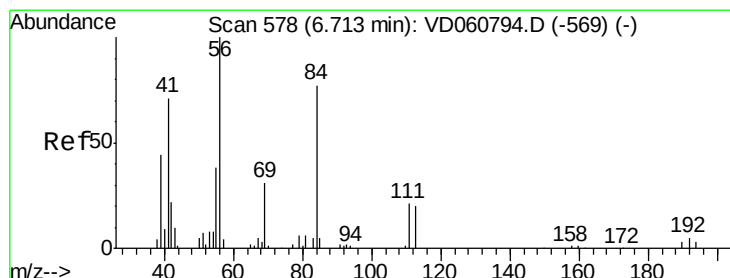
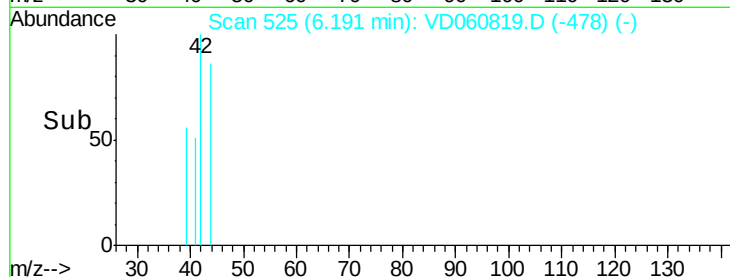
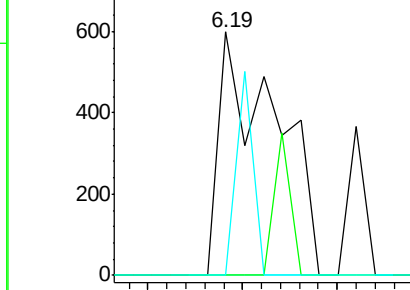
#29
Tetrahydrofuran
Concen: 1.830 ug/l
RT: 6.19 min Scan# 525
Delta R.T. -0.04 min
Lab File: VD060819.D
Acq: 1 Feb 2019 15:11

Instrument :
MSVOA_D
ClientSampleId :
WC-1RE

Tot Ion: 42 Resp: 1258
Ion Ratio Lower Upper
42 100
72 0.0 32.8 49.2#
71 23.6 34.6 52.0#

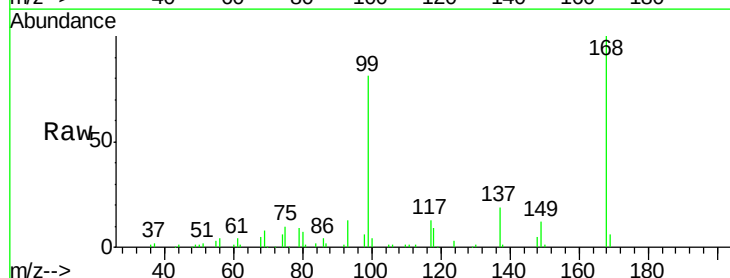


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

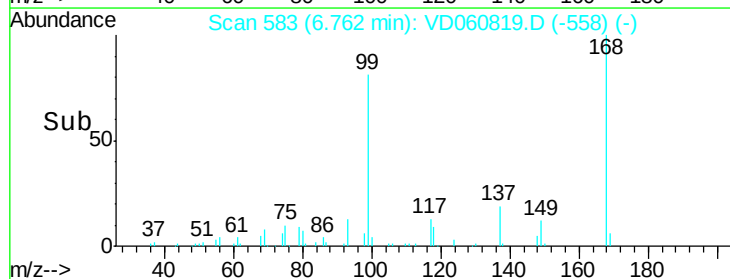
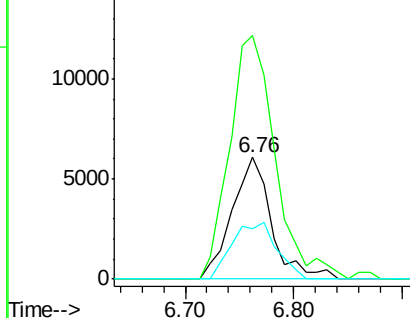


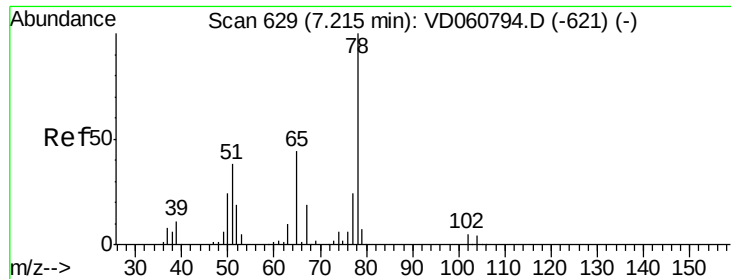
#31
Cyclohexane
Concen: 2.177 ug/l
RT: 6.76 min Scan# 583
Delta R.T. 0.05 min
Lab File: VD060819.D
Acq: 1 Feb 2019 15:11

Tgt Ion: 56 Resp: 15471
Ion Ratio Lower Upper
56 100
69 205.2 25.1 37.7#
84 41.1 63.9 95.9#



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: 7.19 min Scan# 626

Delta R.T. -0.03 min

Lab File: VD060819.D

Acq: 1 Feb 2019 15:11

Instrument :

MSVOA_D

ClientSampleId :

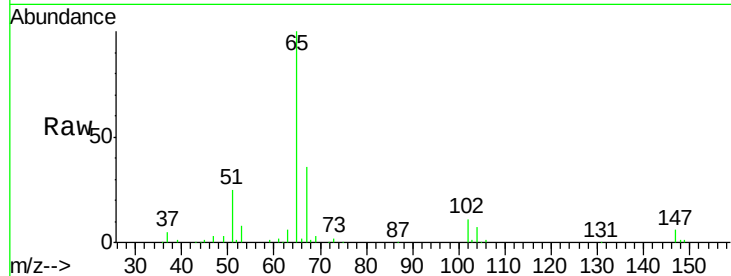
WC-1RE

Tot Ion: 65 Resp: 323792

Ion Ratio Lower Upper

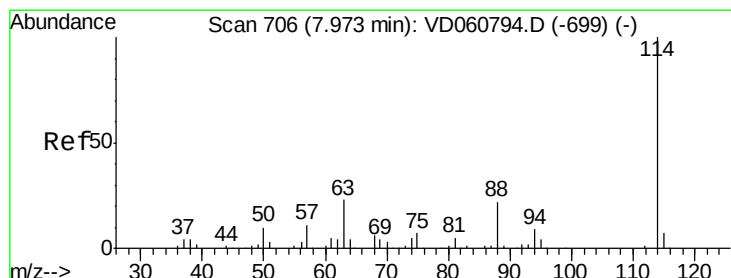
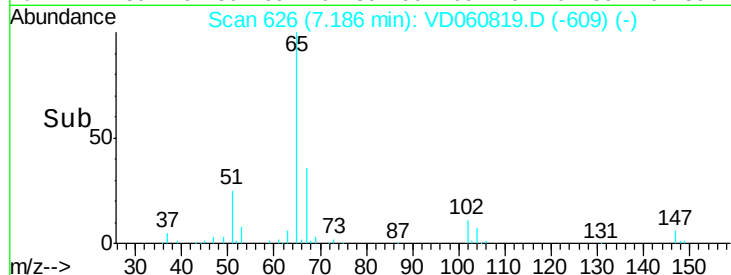
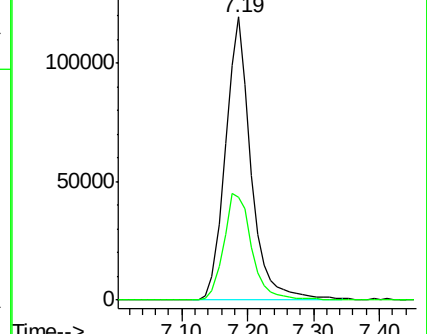
65 100

67 36.3 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 704

Delta R.T. -0.02 min

Lab File: VD060819.D

Acq: 1 Feb 2019 15:11

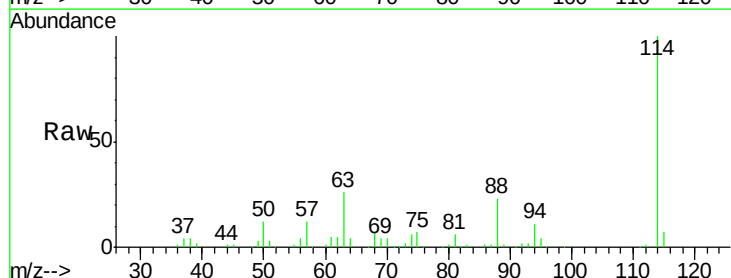
Tgt Ion: 114 Resp: 714737

Ion Ratio Lower Upper

114 100

63 26.1 0.0 46.6

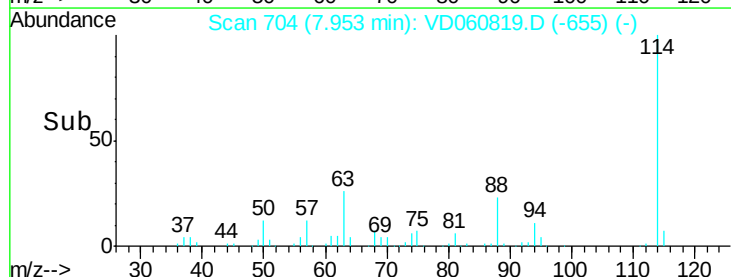
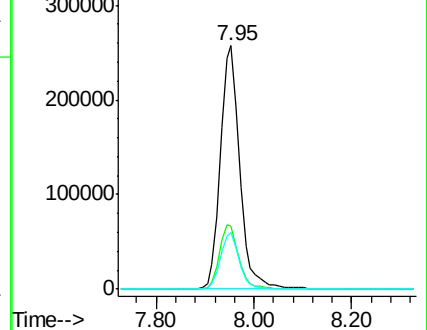
88 23.4 0.0 44.0

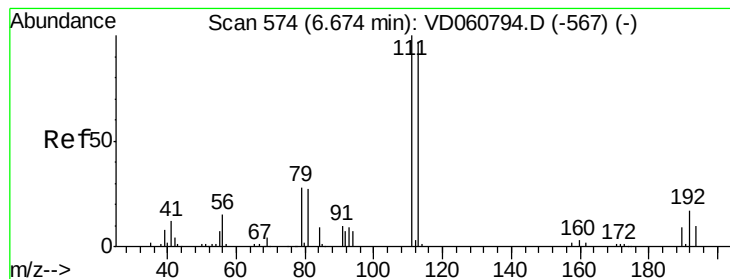


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.64 min Scan# 571

Delta R.T. -0.03 min

Lab File: VD060819.D

Acq: 1 Feb 2019 15:11

Instrument :

MSVOA_D

ClientSampleId :

WC-1RE

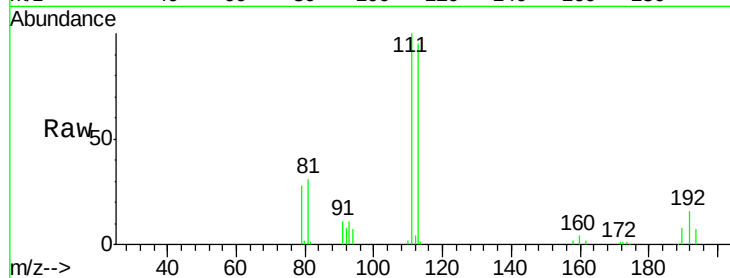
Tot Ion:113 Resp: 270392

Ion Ratio Lower Upper

113 100

111 105.6 82.3 123.5

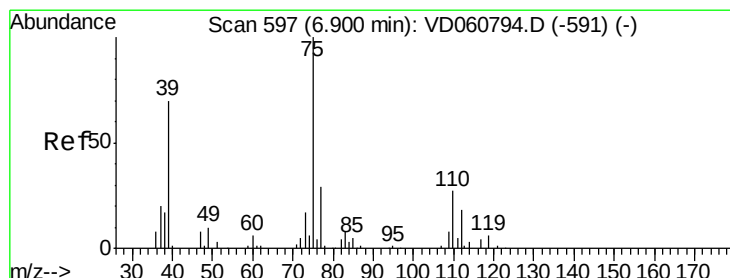
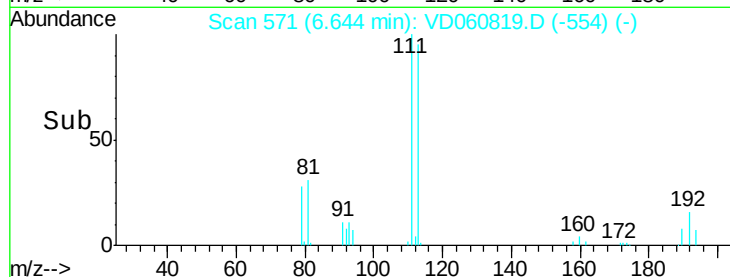
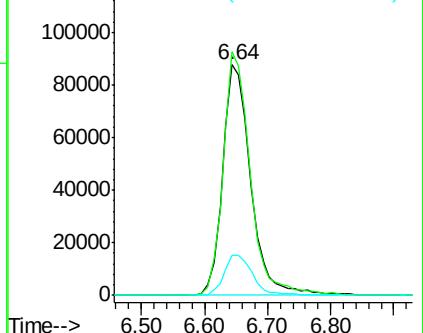
192 17.4 14.4 21.6



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: 6.058 ug/l

RT: 6.76 min Scan# 583

Delta R.T. -0.14 min

Lab File: VD060819.D

Acq: 1 Feb 2019 15:11

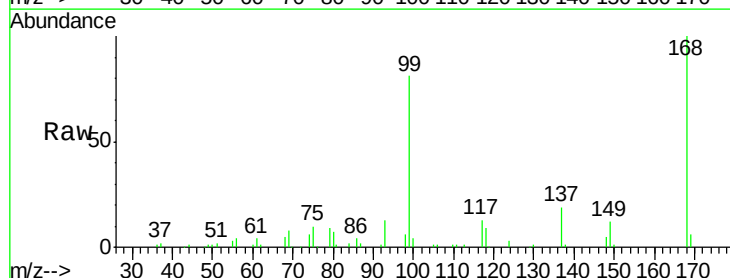
Tgt Ion: 75 Resp: 51698

Ion Ratio Lower Upper

75 100

110 10.0 13.5 40.4#

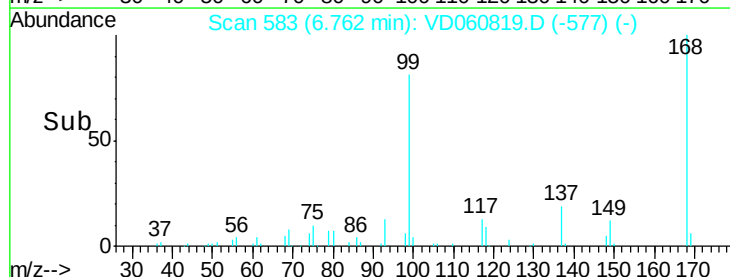
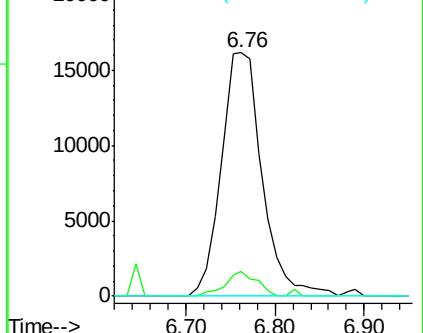
77 0.0 23.4 35.2#

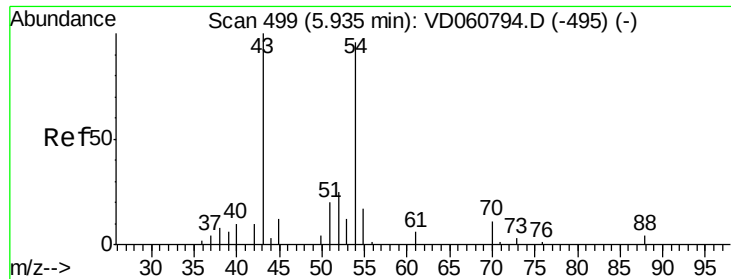


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 1.059 ug/l

RT: 5.88 min Scan# 493

Delta R.T. -0.06 min

Lab File: VD060819.D

Acq: 1 Feb 2019 15:11

Instrument :

MSVOA_D

ClientSampleId :

WC-1RE

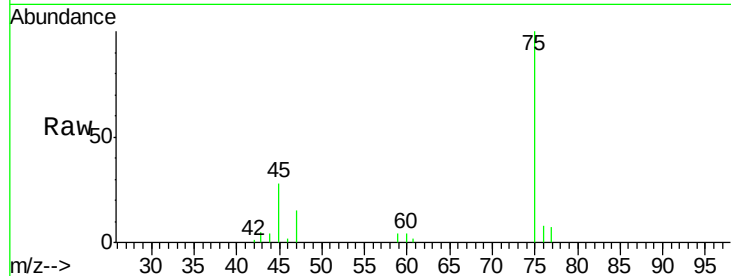
Tot Ion: 43 Resp: 4036

Ion Ratio Lower Upper

43 100

61 47.0 12.3 18.5#

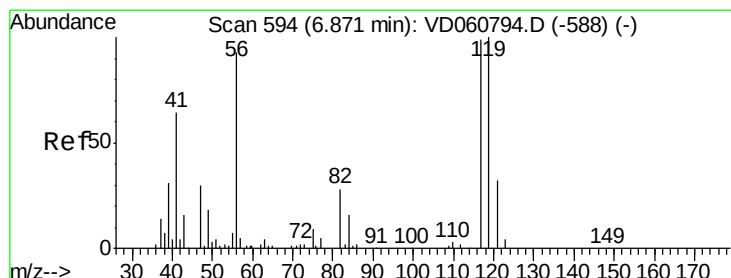
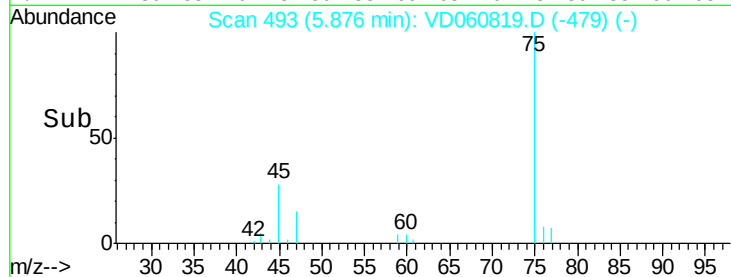
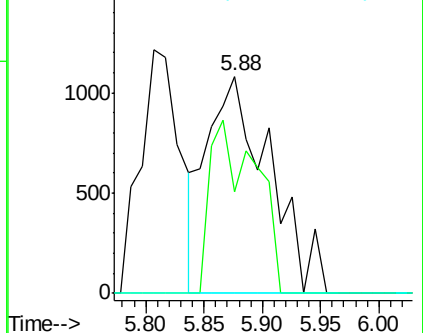
70 0.0 7.4 11.0#



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



#38

Carbon Tetrachloride

Concen: 5.708 ug/l

RT: 6.76 min Scan# 583

Delta R.T. -0.11 min

Lab File: VD060819.D

Acq: 1 Feb 2019 15:11

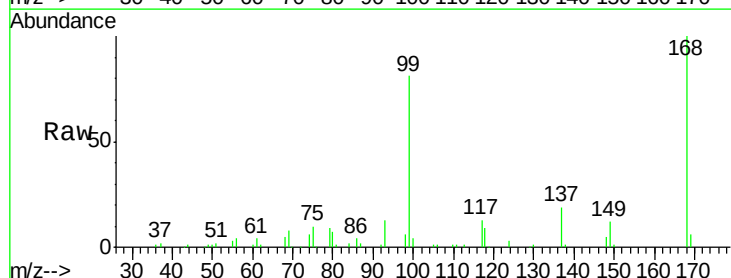
Tgt Ion: 117 Resp: 61079

Ion Ratio Lower Upper

117 100

119 3.1 75.6 113.4#

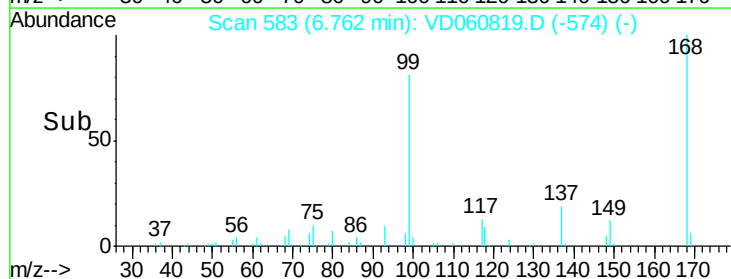
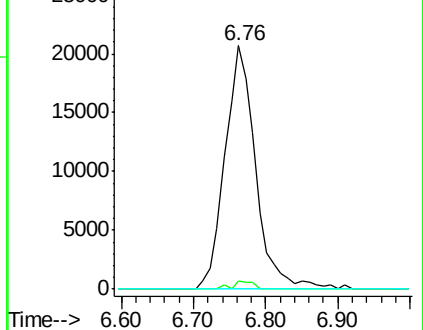
121 0.0 23.4 35.2#

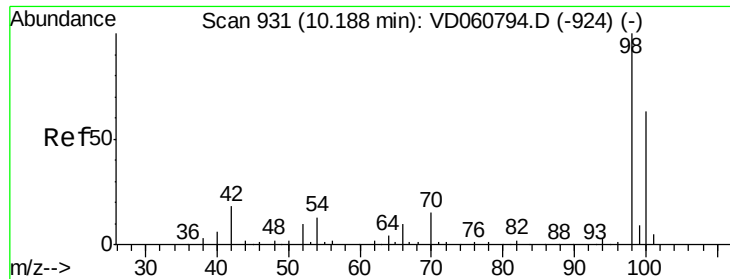


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

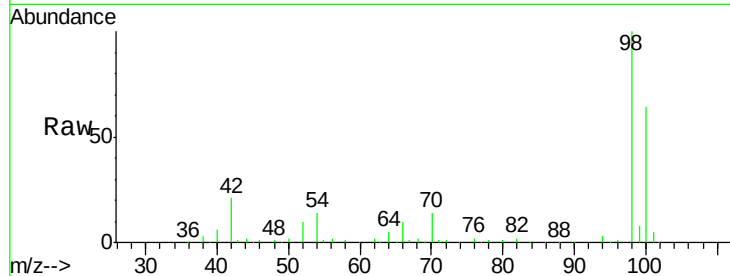




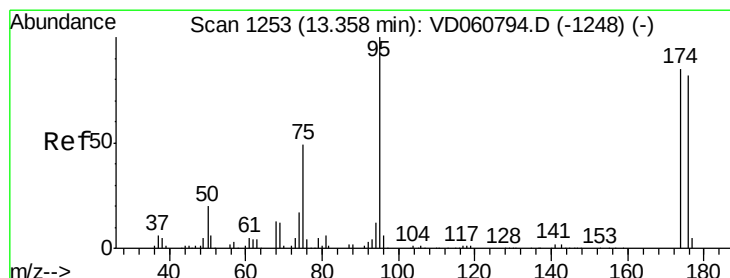
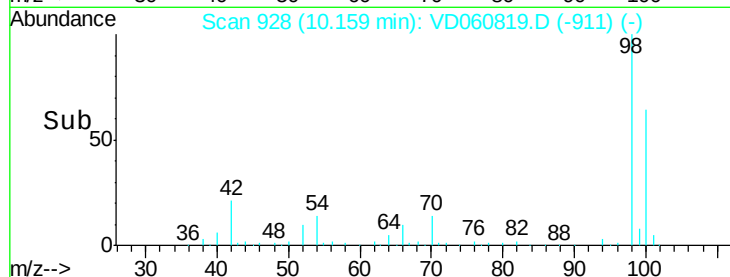
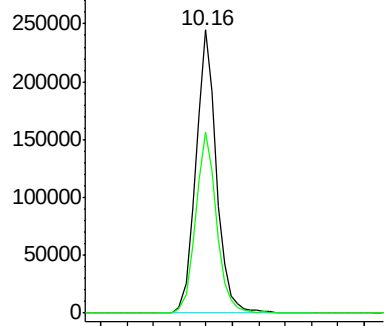
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.16 min Scan# 928
Delta R.T. -0.03 min
Lab File: VD060819.D
Acq: 1 Feb 2019 15:11

Instrument :
MSVOA_D
ClientSampled :
WC-1RE

Tot Ion: 98 Resp: 534086
Ion Ratio Lower Upper
98 100
100 63.9 51.0 76.6

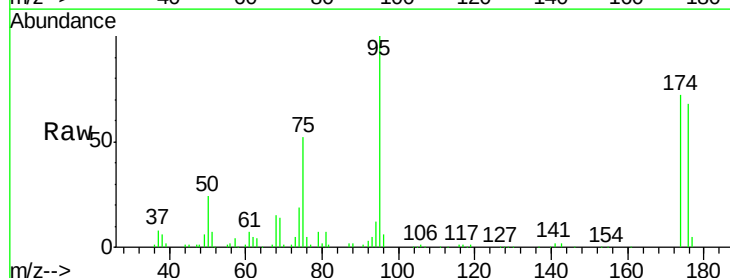


Abundance Ion 98.05 (97.75 to 98.75): VD060794.D (-924) (-)
Ion 100.05 (99.75 to 100.75): VD060794.D (-924) (-)

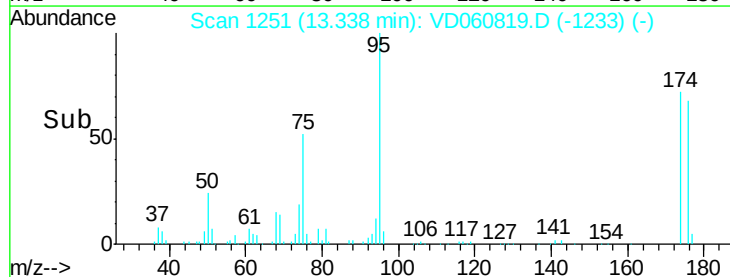
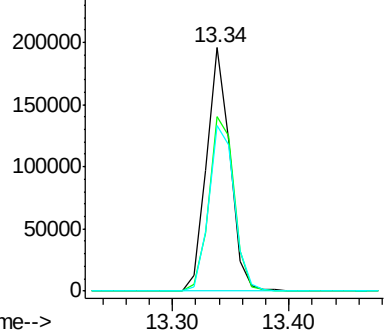


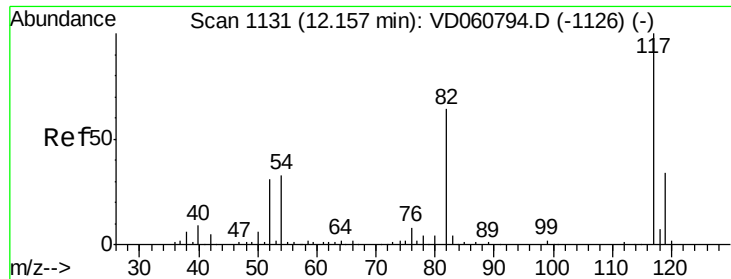
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.34 min Scan# 1251
Delta R.T. -0.02 min
Lab File: VD060819.D
Acq: 1 Feb 2019 15:11

Tgt Ion: 95 Resp: 271354
Ion Ratio Lower Upper
95 100
174 71.8 0.0 169.6
176 67.7 0.0 163.8



Abundance Ion 95.00 (94.70 to 95.70): VD060794.D (-1248) (-)
Ion 173.90 (173.60 to 174.60): VD060794.D (-1248) (-)
Ion 175.90 (175.60 to 176.60): VD060794.D (-1248) (-)

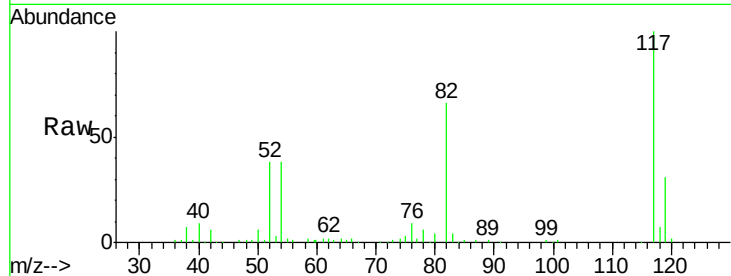




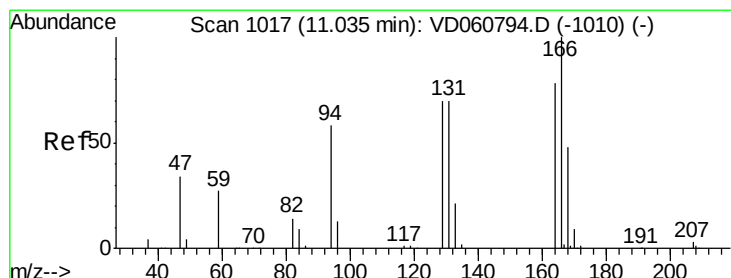
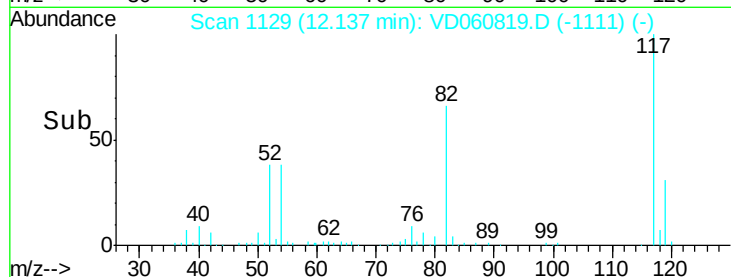
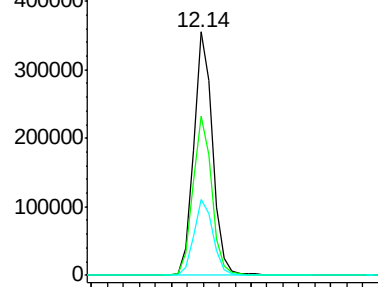
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.14 min Scan# 1129
Delta R.T. -0.02 min
Lab File: VD060819.D
Acq: 1 Feb 2019 15:11

Instrument :
MSVOA_D
ClientSampleId :
WC-1RE

Tot Ion:117 Resp: 593092
Ion Ratio Lower Upper
117 100
82 65.6 51.5 77.3
119 31.0 27.1 40.7

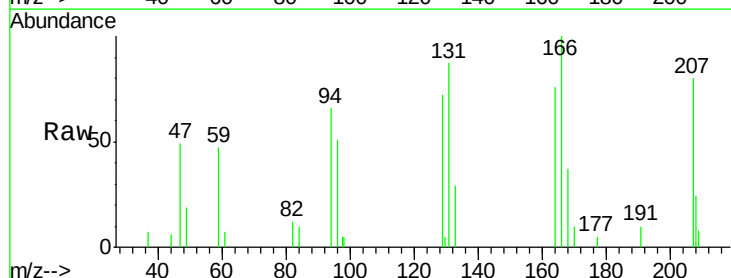


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

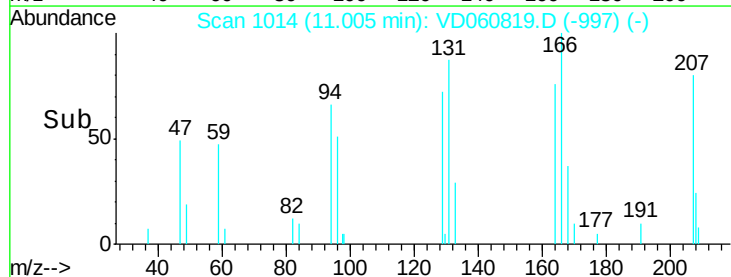
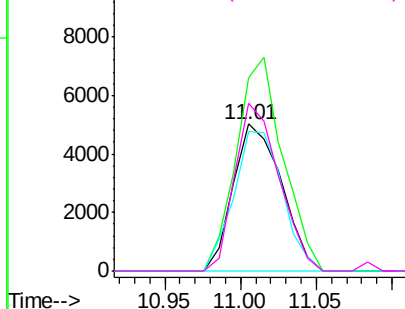


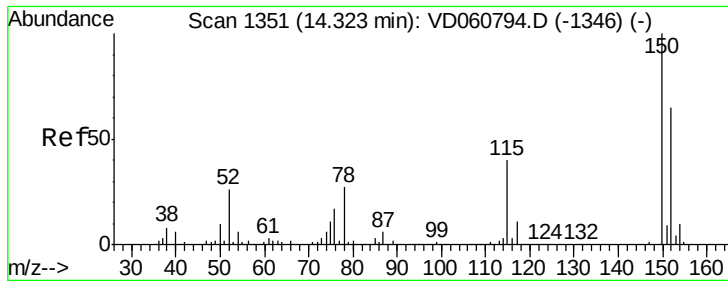
#64
Tetrachloroethene
Concen: 2.046 ug/l
RT: 11.01 min Scan# 1014
Delta R.T. -0.03 min
Lab File: VD060819.D
Acq: 1 Feb 2019 15:11

Tgt Ion:164 Resp: 11135
Ion Ratio Lower Upper
164 100
166 131.6 102.6 154.0
129 95.3 72.3 108.5
131 114.5 72.1 108.1#



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



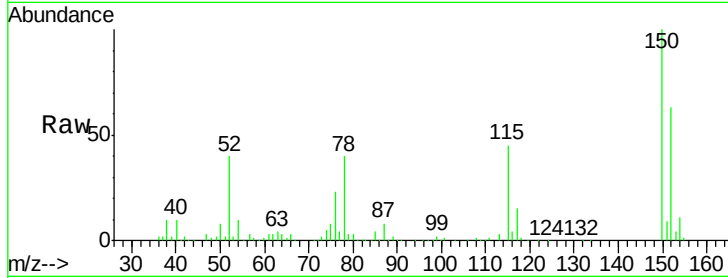


#72

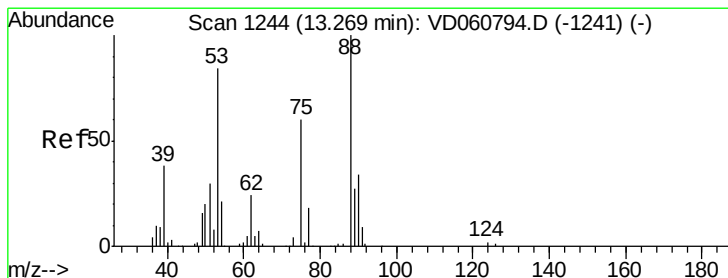
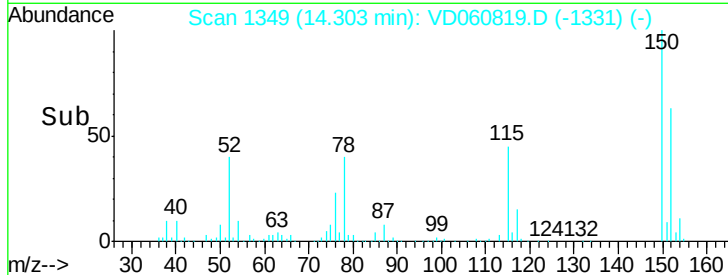
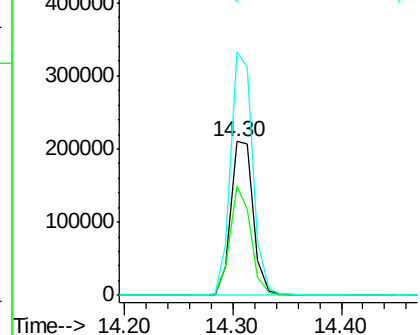
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.30 min Scan# 1349
Delta R.T. -0.02 min
Lab File: VD060819.D
Acq: 1 Feb 2019 15:11

Instrument :
MSVOA_D
ClientSampleId :
WC-1RE

Tot Ion:152 Resp: 306320
Ion Ratio Lower Upper
152 100
115 70.8 31.6 95.0
150 158.1 0.0 317.6



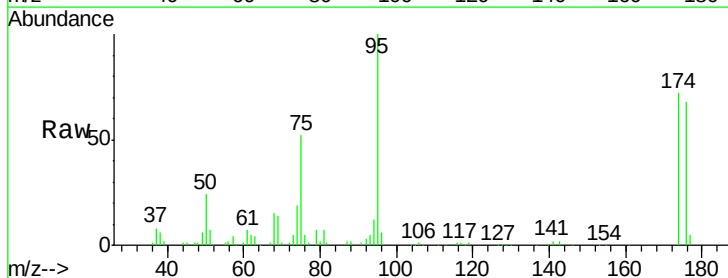
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



#81

trans-1,4-Dichloro-2-butene
Concen: 97.800 ug/l
RT: 13.34 min Scan# 1251
Delta R.T. 0.07 min
Lab File: VD060819.D
Acq: 1 Feb 2019 15:11

Tgt Ion: 75 Resp: 143223
Ion Ratio Lower Upper
75 100
53 0.0 111.6 167.4#
89 0.0 35.9 53.9#



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

