

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121418\
 Data File : VD060583.D
 Acq On : 14 Dec 2018 19:51
 Operator : VA/AP
 Sample : J6403-49
 Misc : 5.39g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 22:25:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1548192	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	2137752	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1634062	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	705538	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	544065	49.58	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	99.16%	
35) Dibromofluoromethane	6.31	113	754930	48.08	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	96.16%	
50) Toluene-d8	9.44	98	2126745	46.80	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	93.60%	
62) 4-Bromofluorobenzene	12.41	95	693207	42.64	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	85.28%	

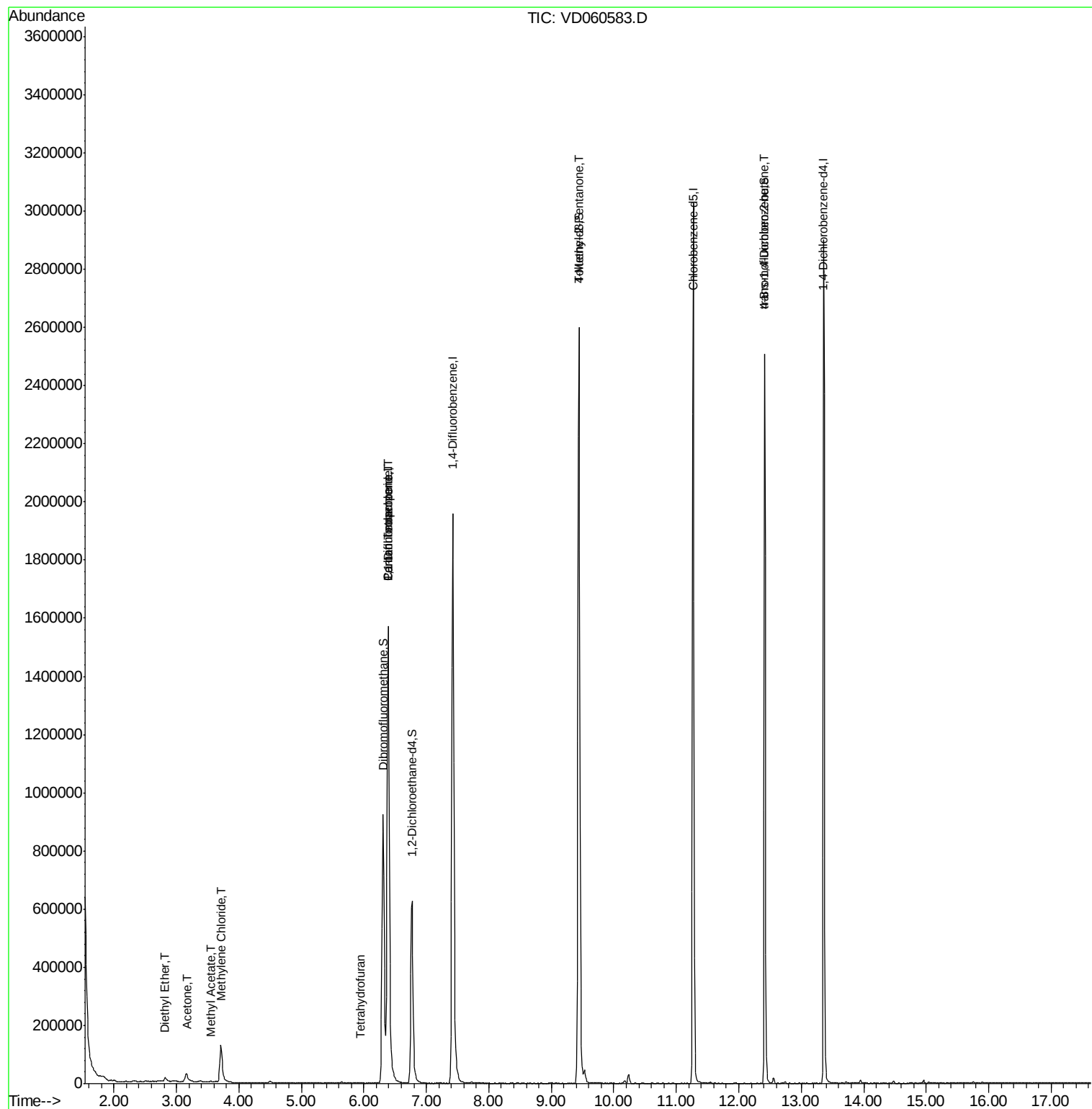
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	734	Below Cal	#	41
8) Diethyl Ether	2.83	74	5799	2.290	ug/l	80
16) Acetone	3.16	43	63113	35.881	ug/l	99
18) Methyl Acetate	3.56	43	7391	1.768	ug/l #	81
20) Methylene Chloride	3.71	84	89970	1.206	ug/l	98
29) Tetrahydrofuran	5.95	42	2048	1.045	ug/l #	40
31) Cyclohexane	6.39	56	28166	Below Cal	#	1
36) 1,1-Dichloropropene	6.39	75	111051	5.314	ug/l #	47
38) Carbon Tetrachloride	6.39	117	122626	6.537	ug/l #	16
51) 4-Methyl-2-Pentanone	9.44	43	11551	1.660	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.41	75	286987	128.716	ug/l #	14
89) n-Butylbenzene	13.63	91	182	Below Cal	#	29

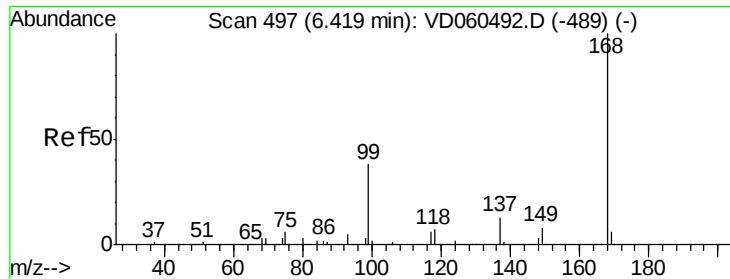
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 494

Delta R.T. -0.03 min

Lab File: VD060583.D

Acq: 14 Dec 2018 19:51

Instrument :

MSVOA_D

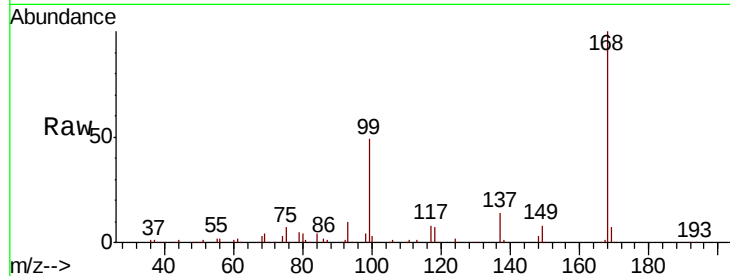
ClientSampleId :

Tot Ion:168 Resp: 1548192

Ion Ratio Lower Upper

168 100

99 49.0 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.39

600000

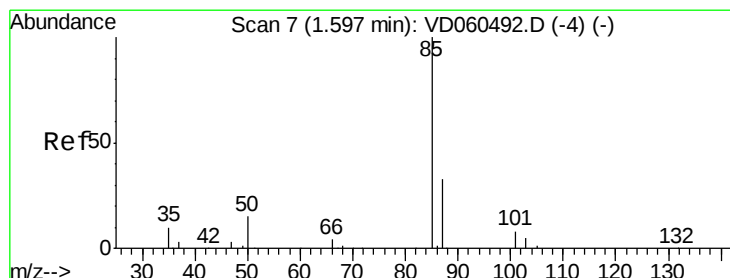
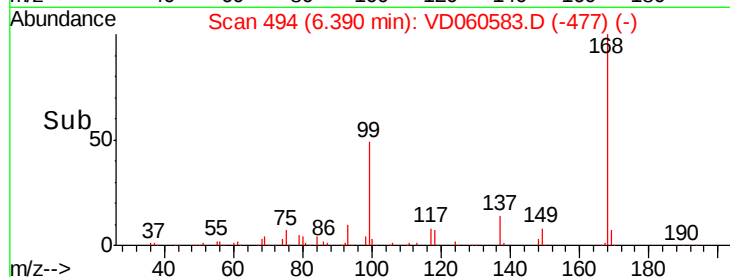
400000

200000

0

Time-->

6.20 6.30 6.40 6.50 6.60



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.60 min Scan# 7

Delta R.T. 0.00 min

Lab File: VD060583.D

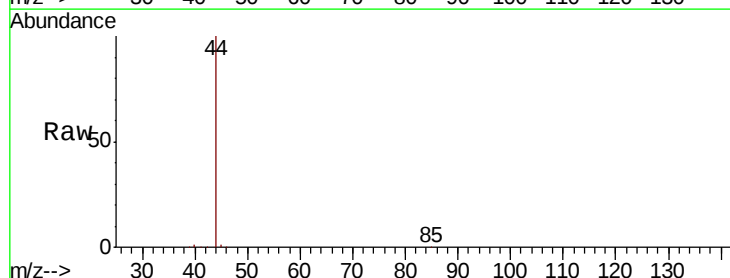
Acq: 14 Dec 2018 19:51

Tgt Ion: 85 Resp: 734

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

500

400

300

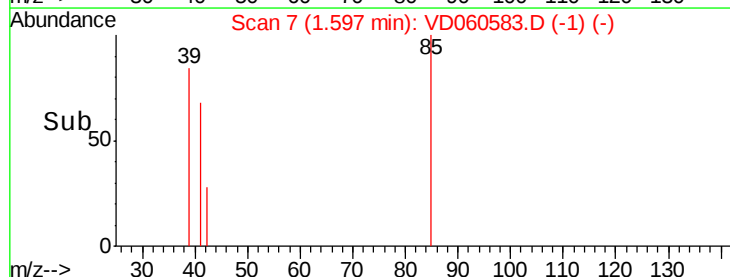
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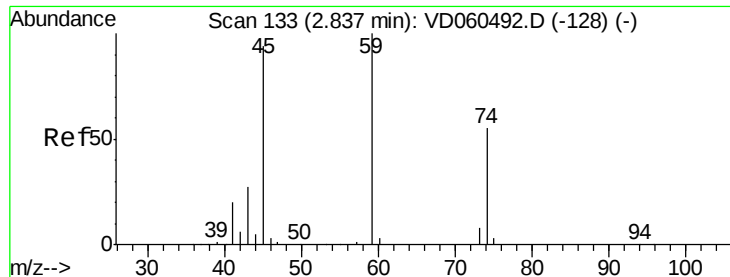
100

0

Time-->

1.55 1.60





#8

Diethyl Ether

Concen: 2.290 ug/l

RT: 2.83 min Scan# 132

Delta R.T. -0.01 min

Lab File: VD060583.D

Acq: 14 Dec 2018 19:51

Instrument :

MSVOA_D

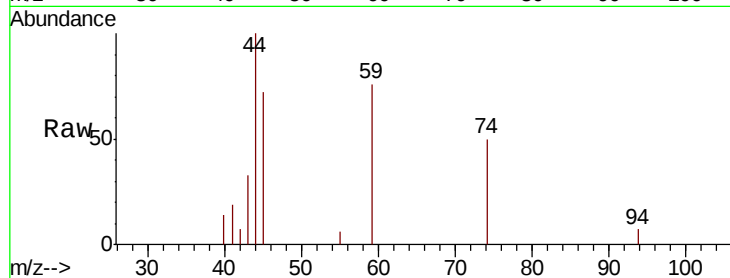
ClientSampled :

Tot Ion: 74 Resp: 5799

Ion Ratio Lower Upper

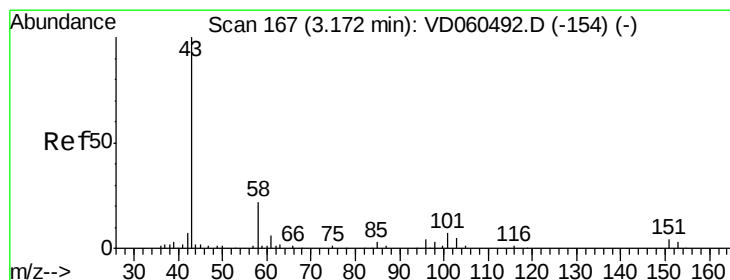
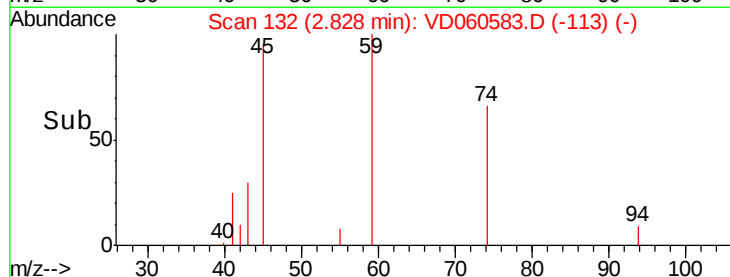
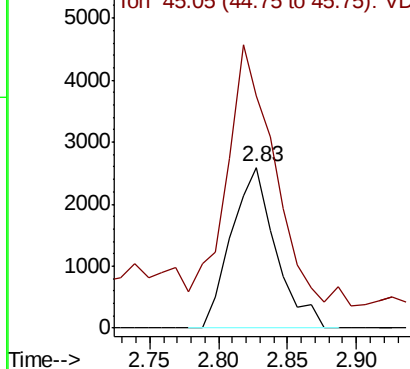
74 100

45 144.5 86.0 258.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#16

Acetone

Concen: 35.881 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD060583.D

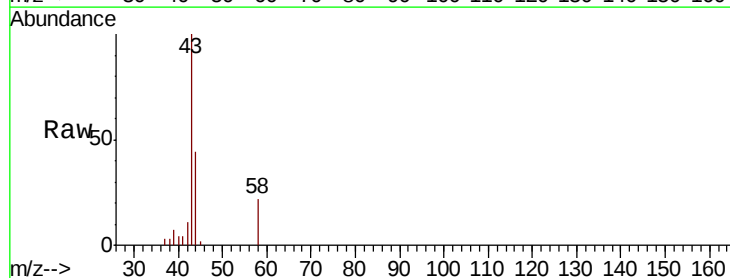
Acq: 14 Dec 2018 19:51

Tgt Ion: 43 Resp: 63113

Ion Ratio Lower Upper

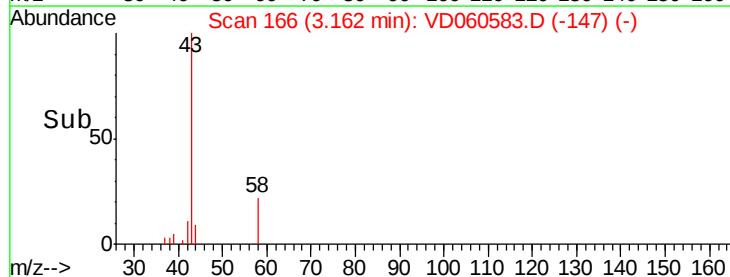
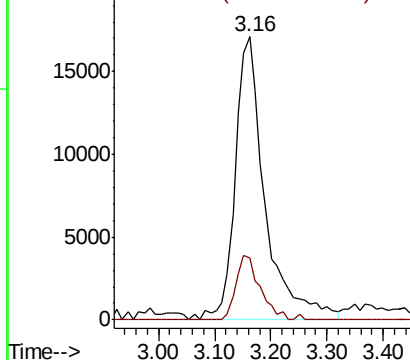
43 100

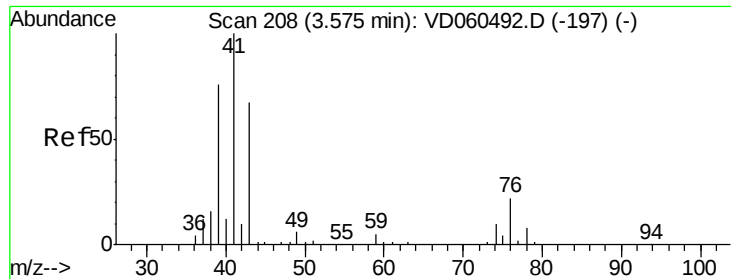
58 21.9 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

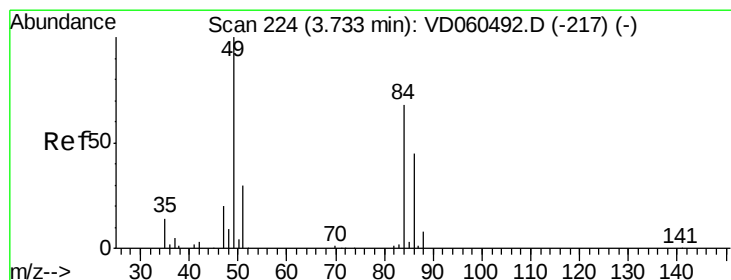
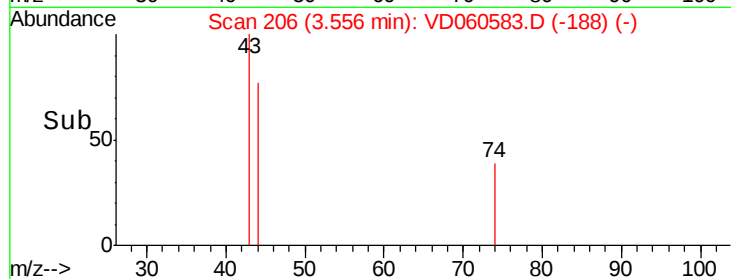
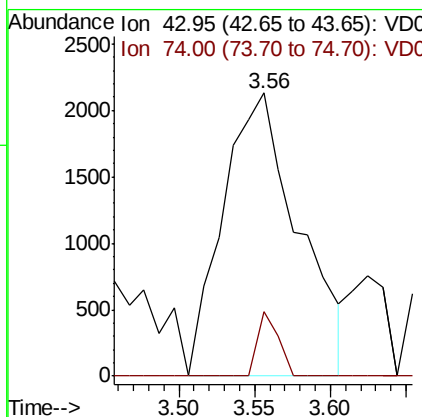
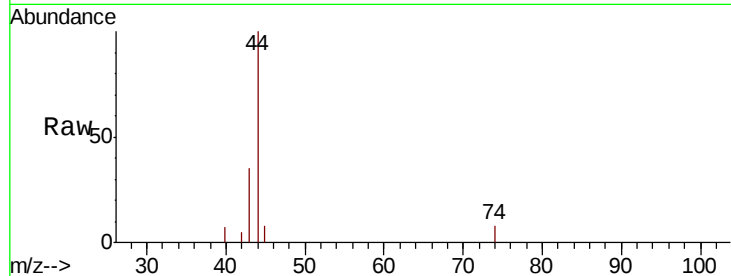




#18
Methyl Acetate
Concen: 1.768 ug/l
RT: 3.56 min Scan# 206
Delta R.T. -0.02 min
Lab File: VD060583.D
Acq: 14 Dec 2018 19:51

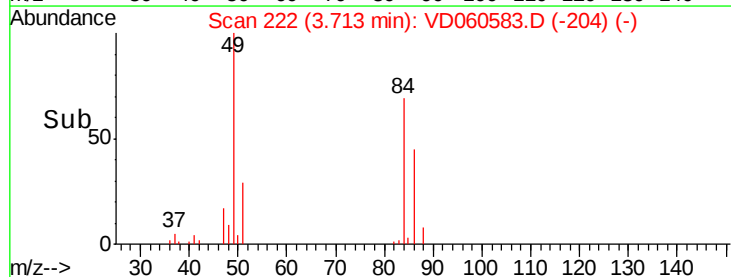
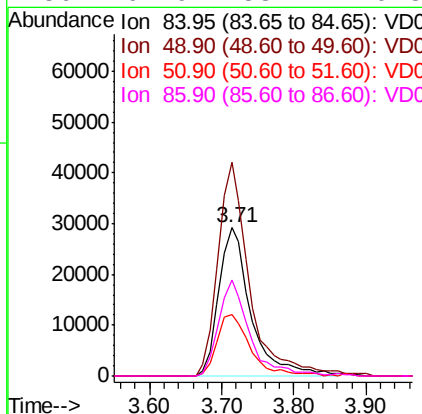
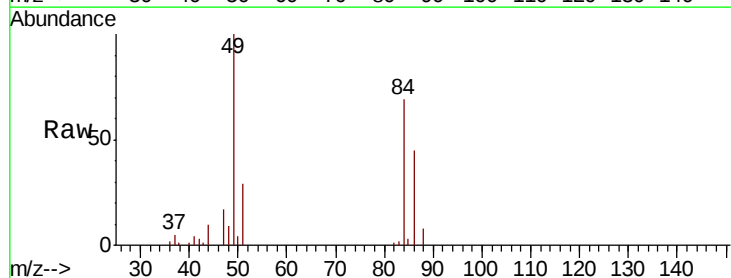
Instrument :
MSVOA_D
ClientSampleID :

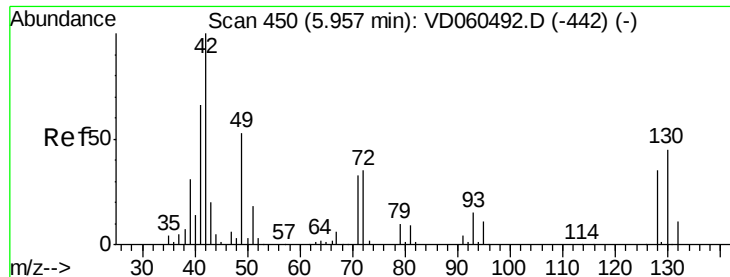
Tot Ion: 43 Resp: 7391
Ion Ratio Lower Upper
43 100
74 22.9 12.0 18.0#



#20
Methylene Chloride
Concen: 1.206 ug/l
RT: 3.71 min Scan# 222
Delta R.T. -0.02 min
Lab File: VD060583.D
Acq: 14 Dec 2018 19:51

Tgt Ion: 84 Resp: 89970
Ion Ratio Lower Upper
84 100
49 143.9 117.2 175.8
51 41.5 35.3 52.9
86 64.9 53.2 79.8

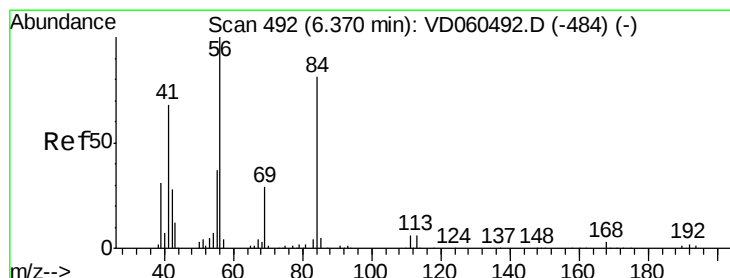
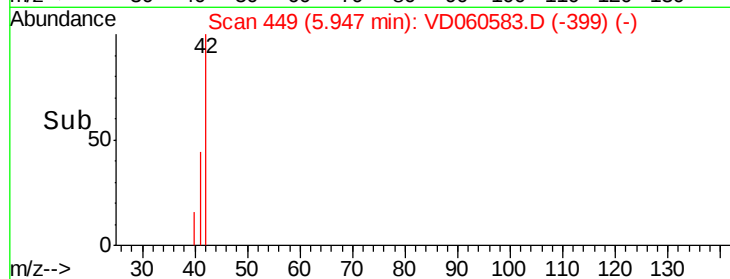
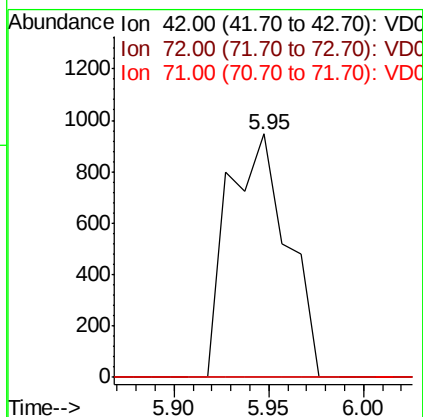
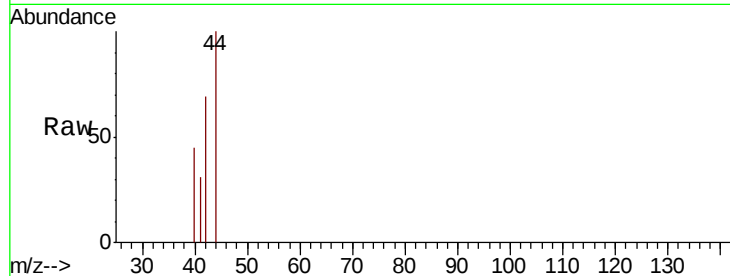




#29
Tetrahydrofuran
Concen: 1.045 ug/l
RT: 5.95 min Scan# 449
Delta R.T. -0.01 min
Lab File: VD060583.D
Acq: 14 Dec 2018 19:51

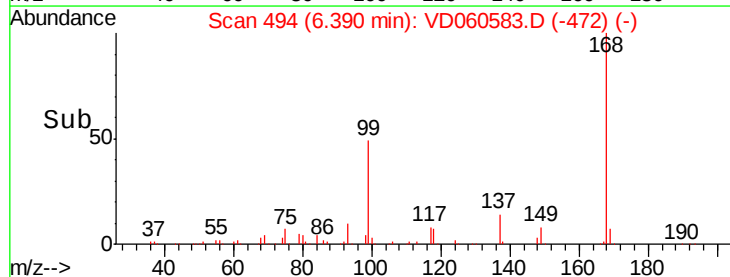
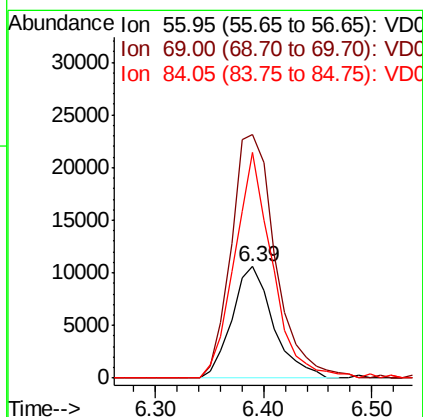
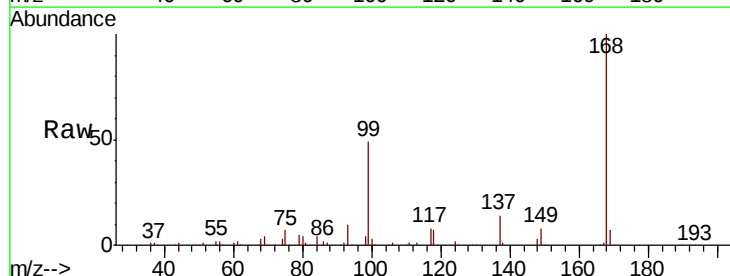
Instrument :
MSVOA_D
ClientSampleId :

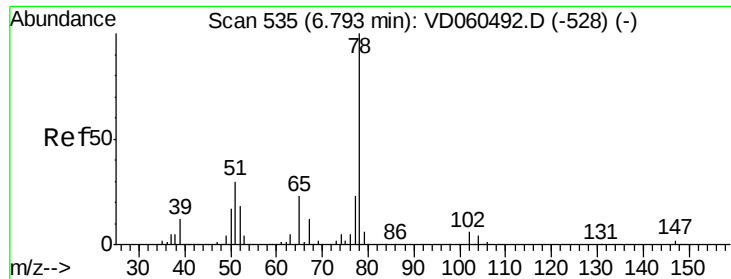
Tot Ion: 42 Resp: 2048
Ion Ratio Lower Upper
42 100
72 0.0 28.0 42.0#
71 0.0 27.2 40.8#



#31
Cyclohexane
Concen: Below Cal
RT: 6.39 min Scan# 494
Delta R.T. 0.02 min
Lab File: VD060583.D
Acq: 14 Dec 2018 19:51

Tgt Ion: 56 Resp: 28166
Ion Ratio Lower Upper
56 100
69 218.4 22.8 34.2#
84 202.8 65.1 97.7#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.77 min Scan# 533

Delta R.T. -0.02 min

Lab File: VD060583.D

Acq: 14 Dec 2018 19:51

Instrument :

MSVOA_D

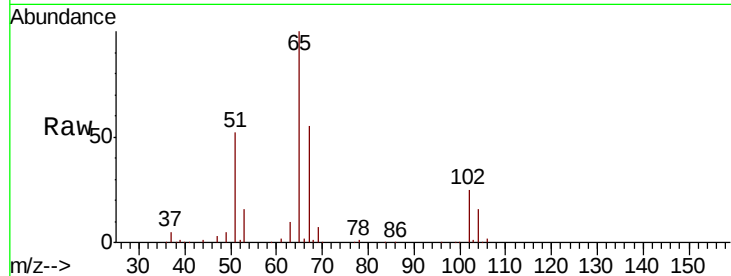
ClientSampled :

Tot Ion: 65 Resp: 544065

Ion Ratio Lower Upper

65 100

67 55.0 0.0 106.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.77

200000

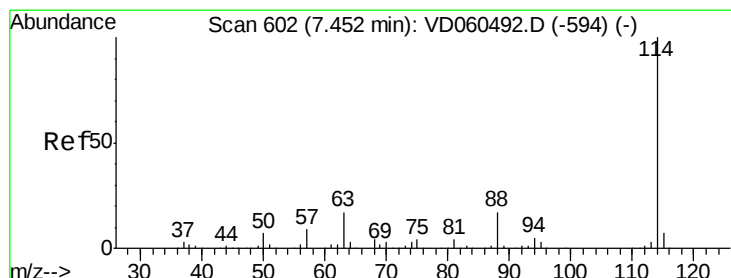
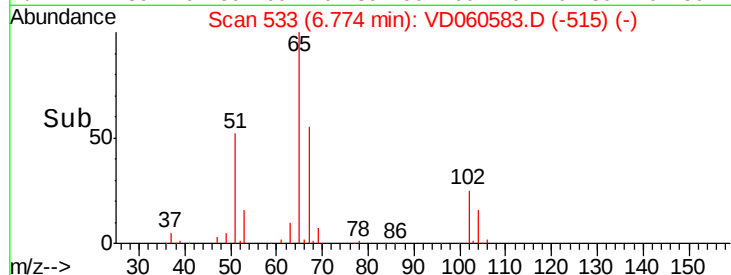
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.42 min Scan# 599

Delta R.T. -0.03 min

Lab File: VD060583.D

Acq: 14 Dec 2018 19:51

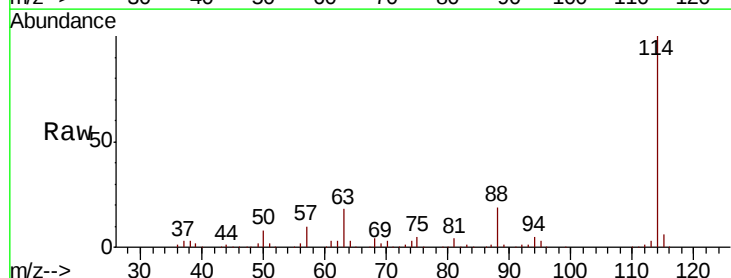
Tgt Ion: 114 Resp: 2137752

Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.2

88 18.7 0.0 35.0



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

7.42

1000000

800000

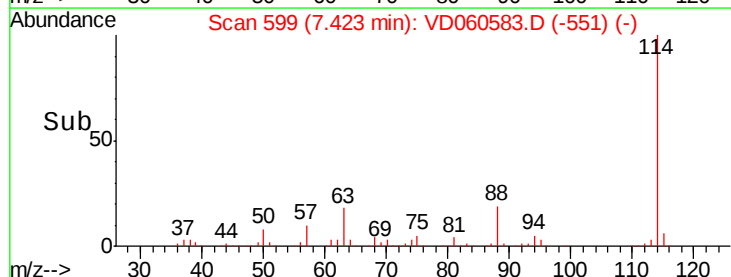
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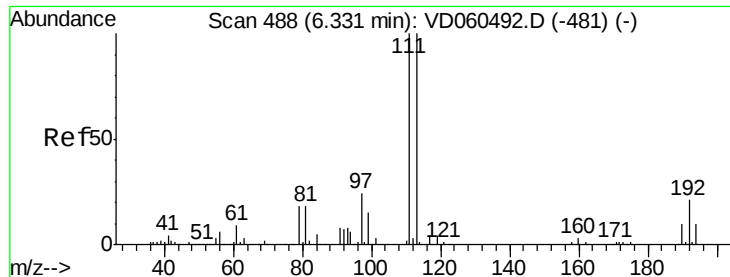
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200000

0

Time-->

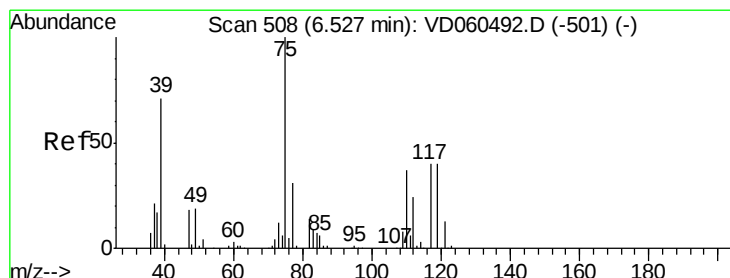
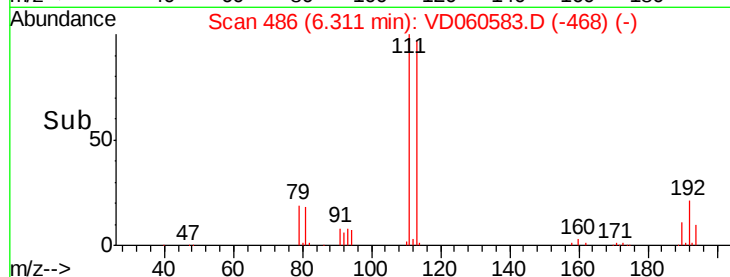
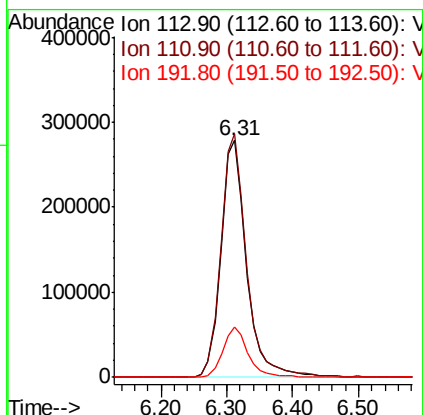
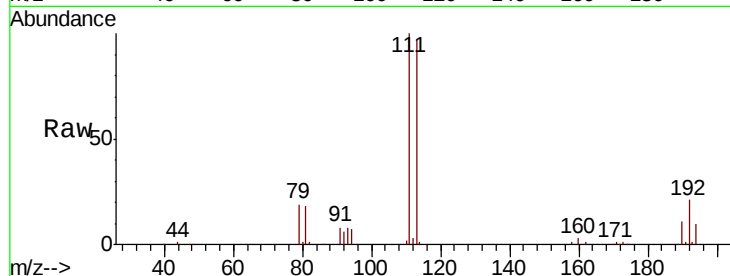




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. -0.02 min
 Lab File: VD060583.D
 Acq: 14 Dec 2018 19:51

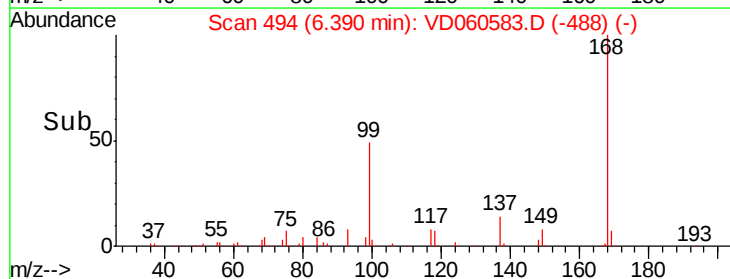
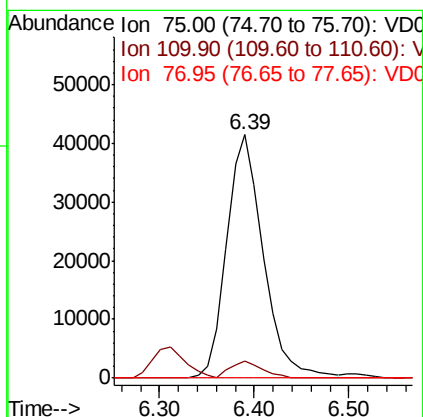
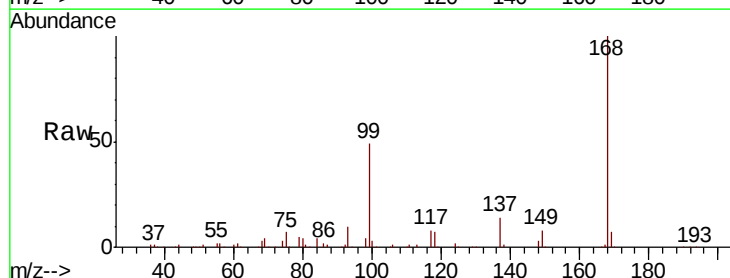
Instrument :
 MSVOA_D
 ClientSampleId :

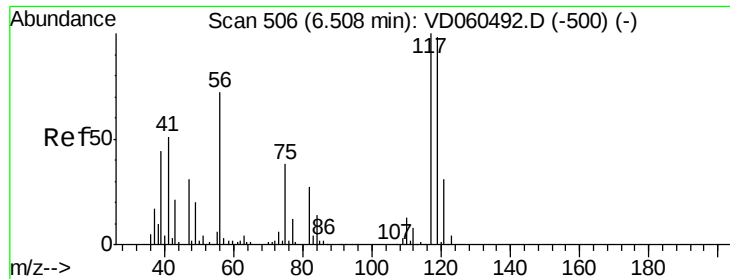
Tot Ion:113 Resp: 754930
 Ion Ratio Lower Upper
 113 100
 111 102.9 80.2 120.4
 192 21.1 16.6 24.8



#36
 1,1-Dichloropropene
 Concen: 5.314 ug/l
 RT: 6.39 min Scan# 494
 Delta R.T. -0.14 min
 Lab File: VD060583.D
 Acq: 14 Dec 2018 19:51

Tgt Ion: 75 Resp: 111051
 Ion Ratio Lower Upper
 75 100
 110 6.8 18.3 54.8#
 77 0.0 24.6 37.0#

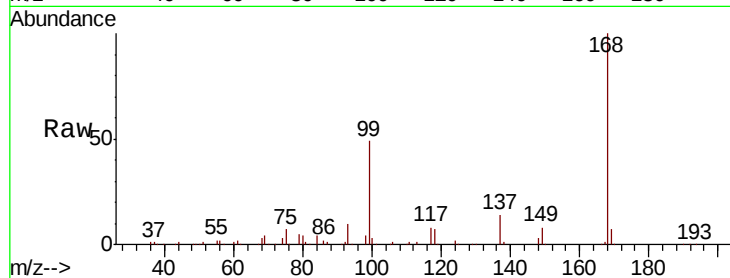




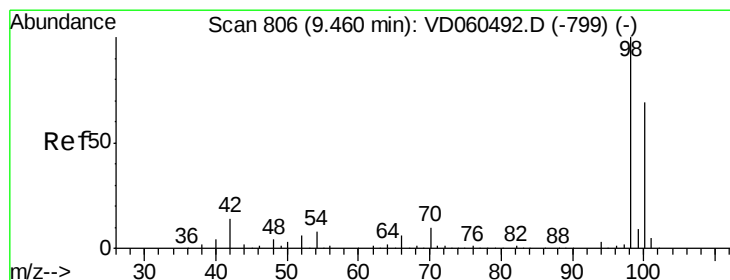
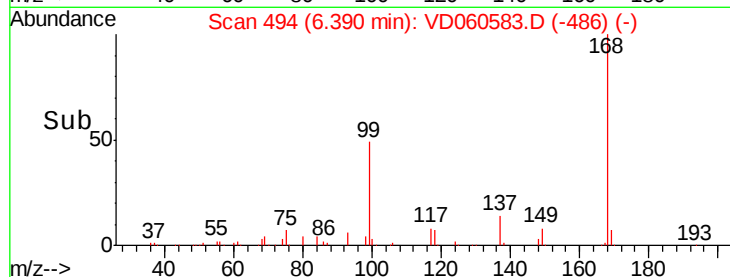
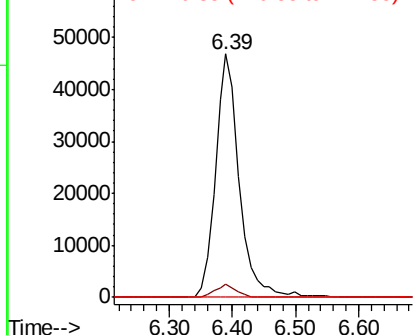
#38
Carbon Tetrachloride
Concen: 6.537 ug/l
RT: 6.39 min Scan# 494
Delta R.T. -0.12 min
Lab File: VD060583.D
Acq: 14 Dec 2018 19:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 122626
Ion Ratio Lower Upper
117 100
119 5.3 76.8 115.2#
121 0.0 24.4 36.6#

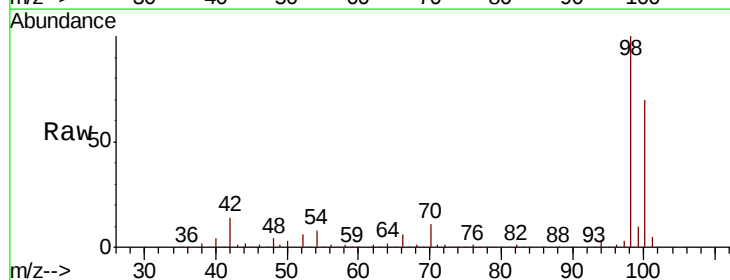


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

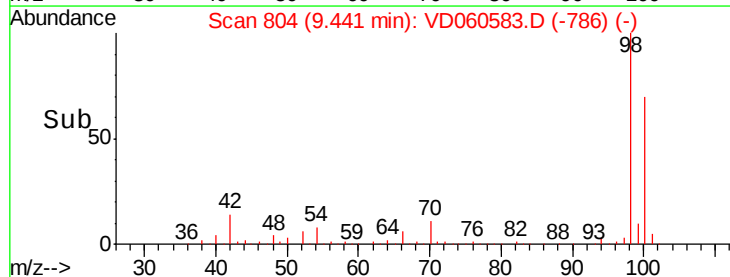
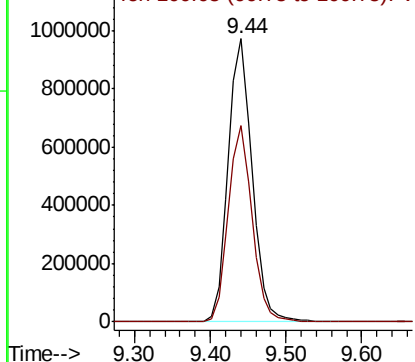


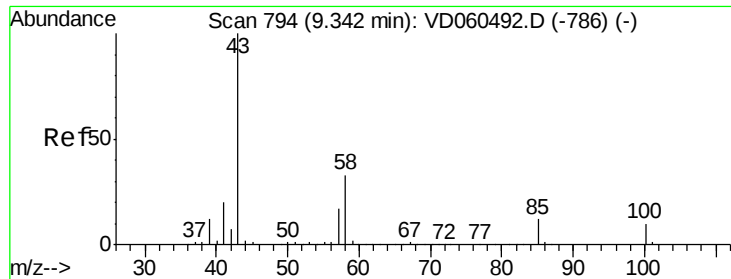
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 804
Delta R.T. -0.02 min
Lab File: VD060583.D
Acq: 14 Dec 2018 19:51

Tgt Ion: 98 Resp: 2126745
Ion Ratio Lower Upper
98 100
100 69.5 55.7 83.5



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VD





#51

4-Methyl-2-Pentanone

Concen: 1.660 ug/l

RT: 9.44 min Scan# 804

Delta R.T. 0.10 min

Lab File: VD060583.D

Acq: 14 Dec 2018 19:51

Instrument :

MSVOA_D

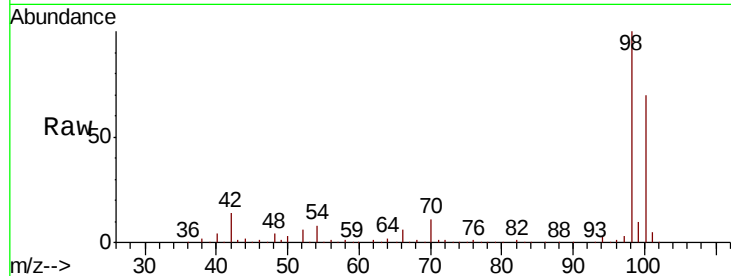
ClientSampleId :

Tot Ion: 43 Resp: 11551

Ion Ratio Lower Upper

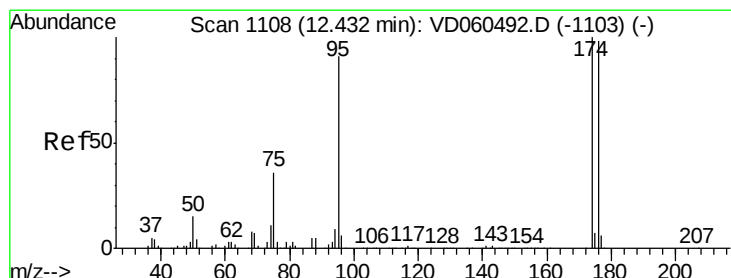
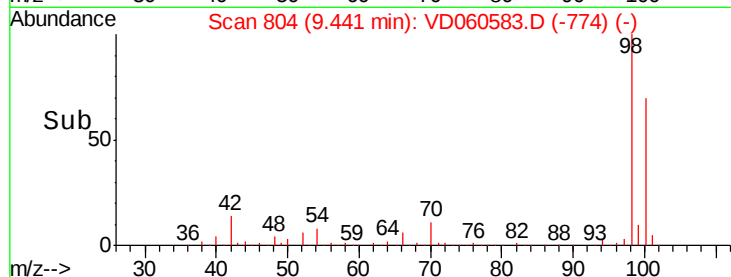
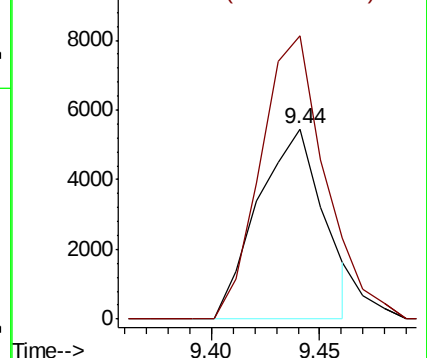
43 100

58 148.8 26.3 39.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.41 min Scan# 1106

Delta R.T. -0.02 min

Lab File: VD060583.D

Acq: 14 Dec 2018 19:51

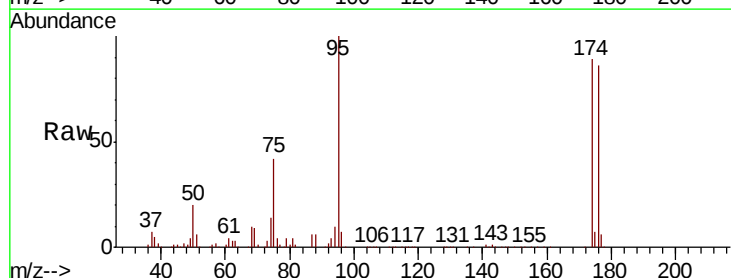
Tgt Ion: 95 Resp: 693207

Ion Ratio Lower Upper

95 100

174 89.2 0.0 219.4

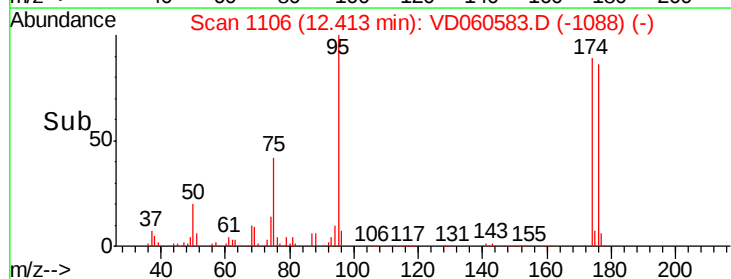
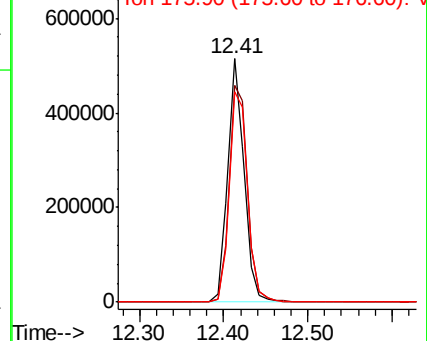
176 86.4 0.0 214.6

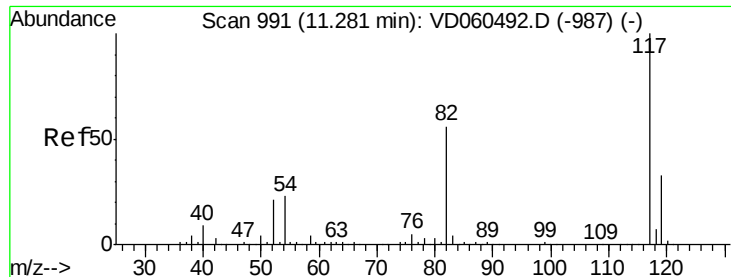


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

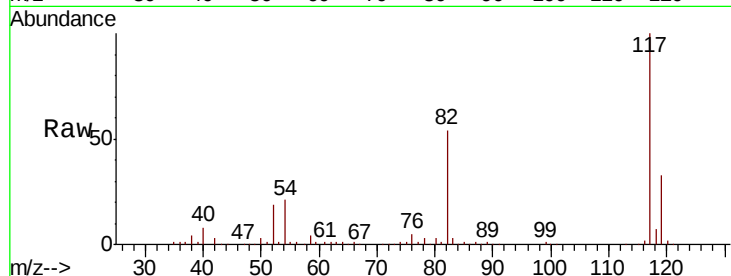




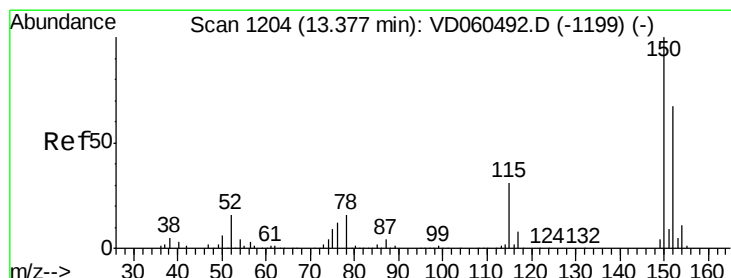
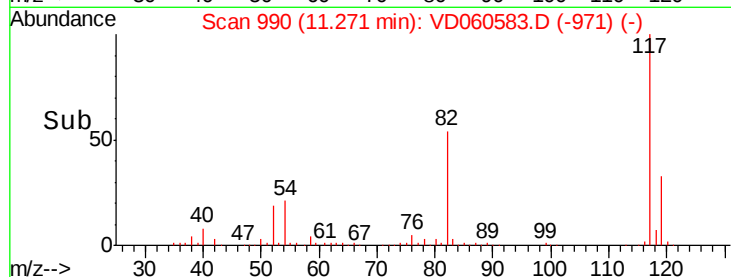
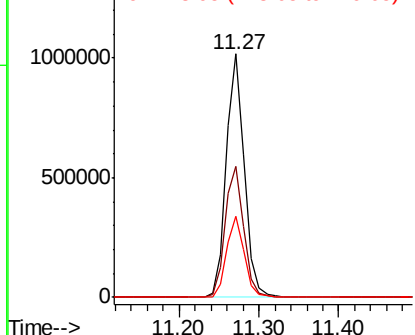
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. -0.01 min
Lab File: VD060583.D
Acq: 14 Dec 2018 19:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1634062
Ion Ratio Lower Upper
117 100
82 53.9 45.2 67.8
119 33.2 26.1 39.1

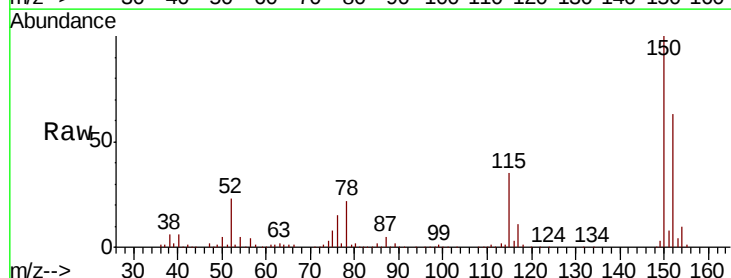


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

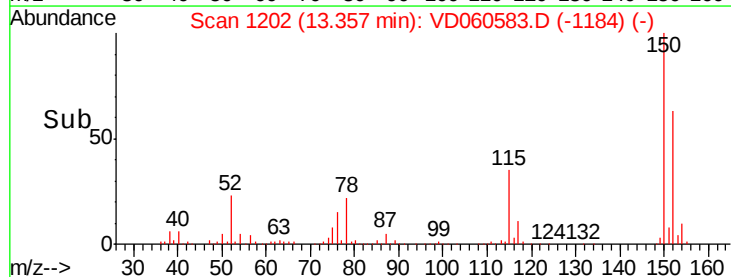
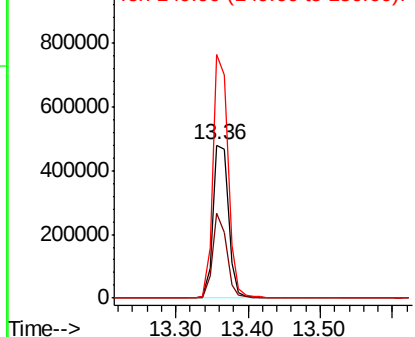


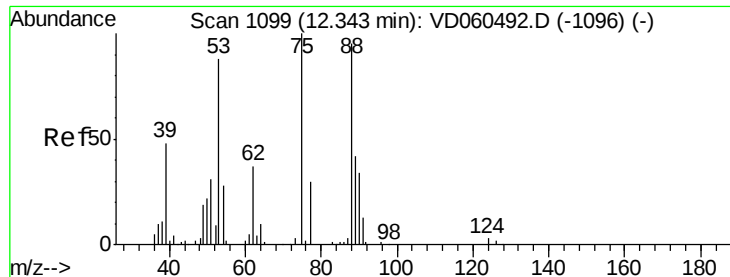
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1202
Delta R.T. -0.02 min
Lab File: VD060583.D
Acq: 14 Dec 2018 19:51

Tgt Ion:152 Resp: 705538
Ion Ratio Lower Upper
152 100
115 55.6 24.6 74.0
150 159.2 0.0 309.0



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: 128.716 ug/l

RT: 12.41 min Scan# 1106

Delta R.T. 0.07 min

Lab File: VD060583.D

Acq: 14 Dec 2018 19:51

Instrument :

MSVOA_D

ClientSampleId :

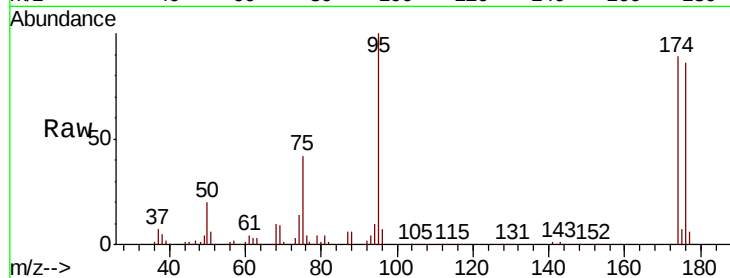
Tot Ion: 75 Resp: 286987

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

89 0.0 33.6 50.4#



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

