

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121418\
 Data File : VD060581.D
 Acq On : 14 Dec 2018 18:54
 Operator : VA/AP
 Sample : J6403-41
 Misc : 5.36g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 22:24:58 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

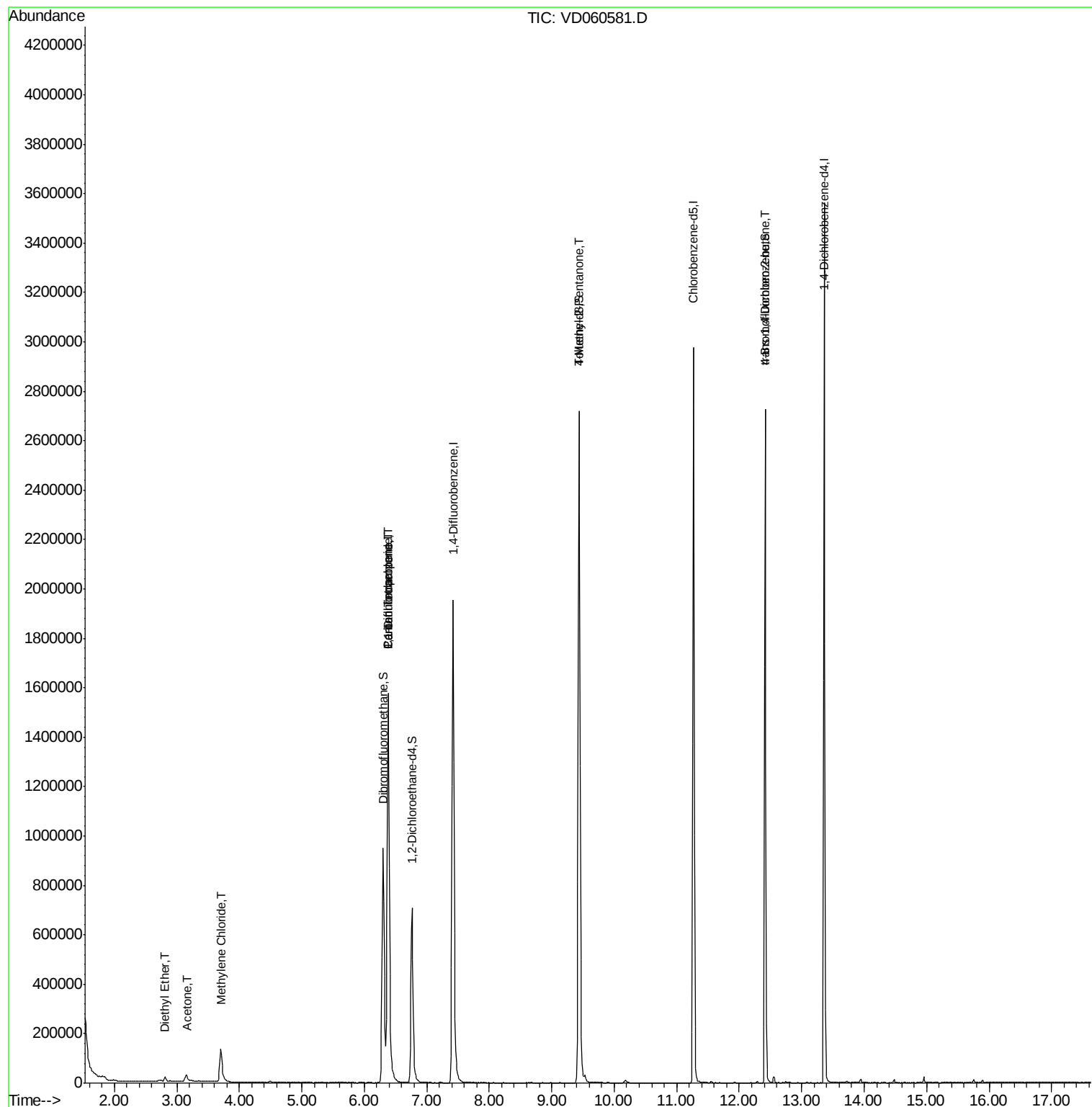
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1528463	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.43	114	2136821	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.26	117	1715138	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	769315	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.77	65	582027	53.72	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	107.44%	
35) Dibromofluoromethane	6.30	113	763129	48.62	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	97.24%	
50) Toluene-d8	9.43	98	2211246	48.69	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	97.38%	
62) 4-Bromofluorobenzene	12.42	95	747693	46.01	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	92.02%	
Target Compounds						
2) Dichlorodifluoromethane	1.59	85	1081	Below Cal	#	41
8) Diethyl Ether	2.81	74	5671	2.269	ug/l	71
16) Acetone	3.15	43	60067	34.590	ug/l	97
20) Methylene Chloride	3.71	84	90644	1.331	ug/l	97
31) Cyclohexane	6.38	56	28319	Below Cal	#	1
36) 1,1-Dichloropropene	6.38	75	111056	5.317	ug/l	# 48
38) Carbon Tetrachloride	6.38	117	120693	6.436	ug/l	# 15
51) 4-Methyl-2-Pentanone	9.43	43	11465	1.648	ug/l	# 1
81) trans-1,4-Dichloro-2-buten	12.42	75	299947	123.376	ug/l	# 14

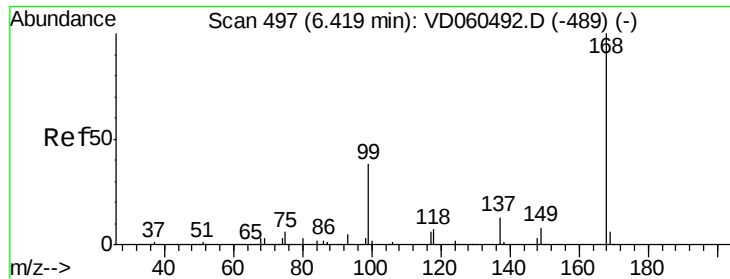
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration



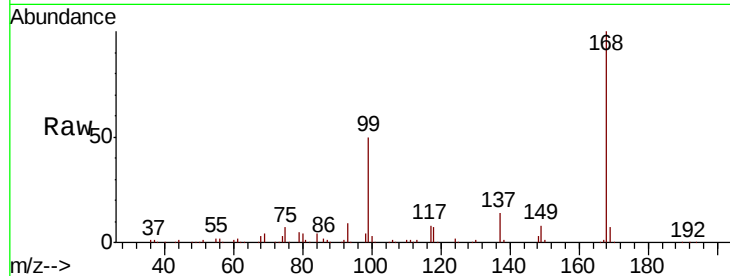


#1

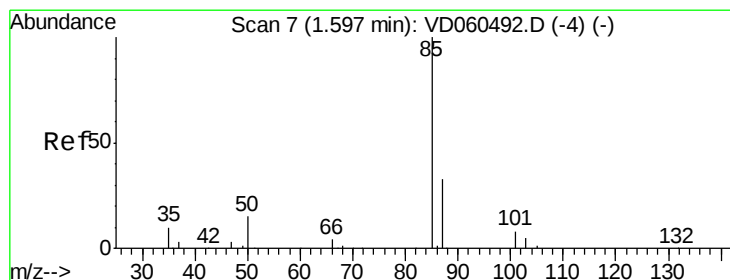
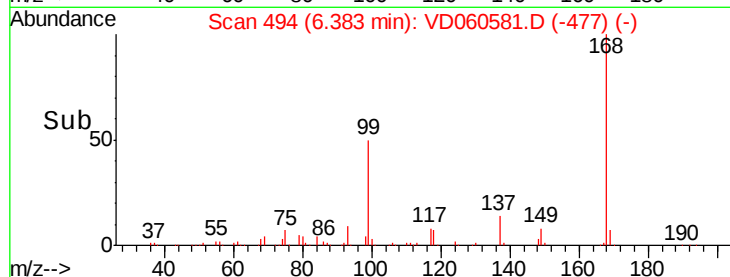
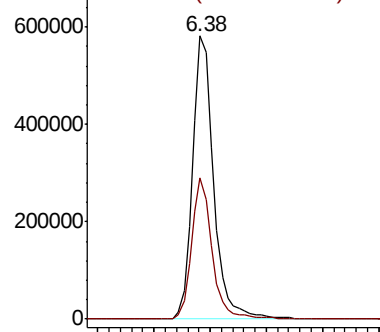
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 6.38 min Scan# 494
 Delta R.T. -0.04 min
 Lab File: VD060581.D
 Acq: 14 Dec 2018 18:54

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:168 Resp: 1528463
 Ion Ratio Lower Upper
 168 100
 99 50.0 35.6 53.4



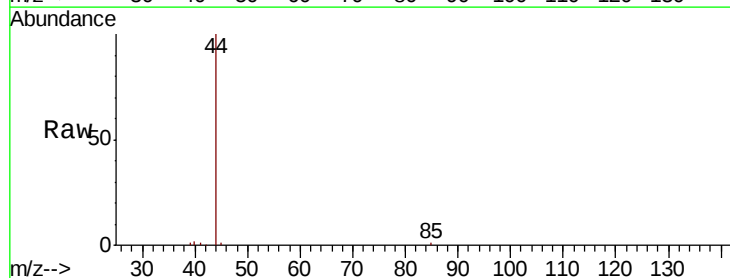
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.95 (98.65 to 99.65): VDC



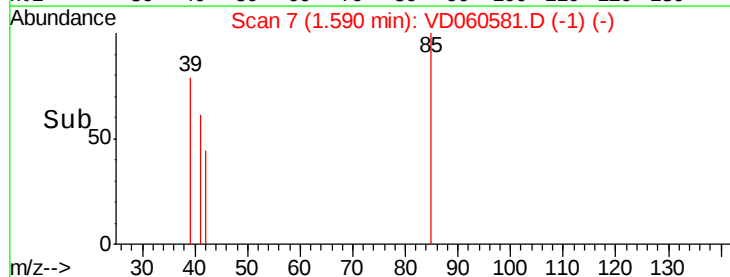
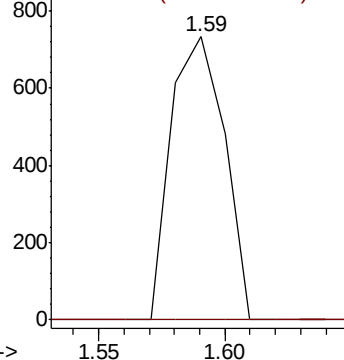
#2

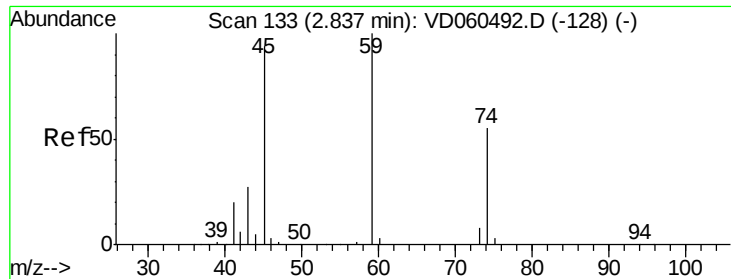
Dichlorodifluoromethane
 Concen: Below Cal
 RT: 1.59 min Scan# 7
 Delta R.T. -0.01 min
 Lab File: VD060581.D
 Acq: 14 Dec 2018 18:54

Tgt Ion: 85 Resp: 1081
 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





#8

Diethyl Ether

Concen: 2.269 ug/l

RT: 2.81 min Scan# 131

Delta R.T. -0.03 min

Lab File: VD060581.D

Acq: 14 Dec 2018 18:54

Instrument :

MSVOA_D

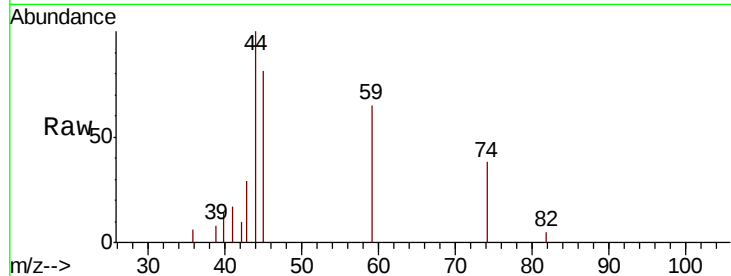
ClientSampled :

Tot Ion: 74 Resp: 5671

Ion Ratio Lower Upper

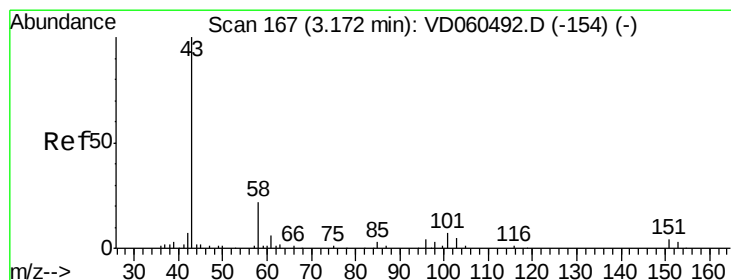
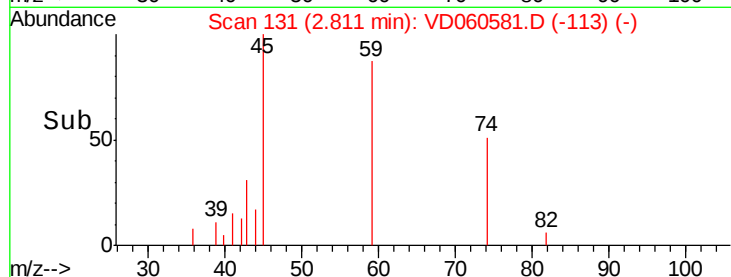
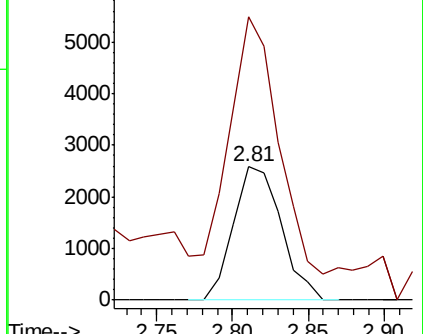
74 100

45 212.2 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: 34.590 ug/l

RT: 3.15 min Scan# 166

Delta R.T. -0.02 min

Lab File: VD060581.D

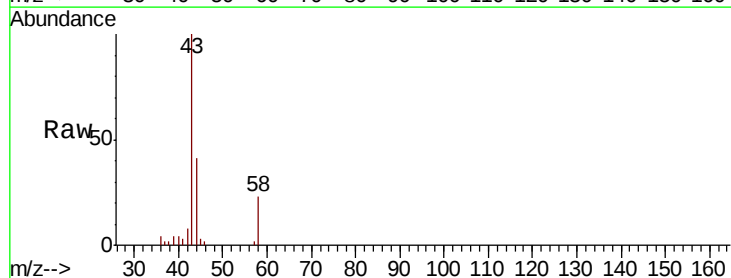
Acq: 14 Dec 2018 18:54

Tgt Ion: 43 Resp: 60067

Ion Ratio Lower Upper

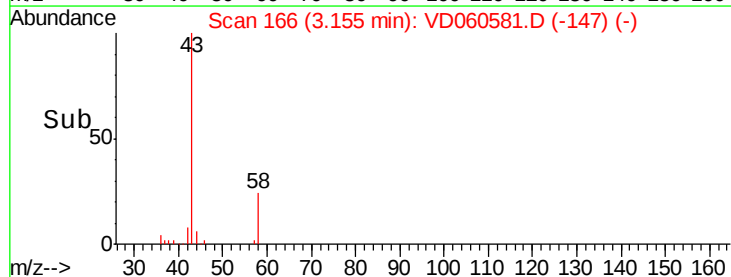
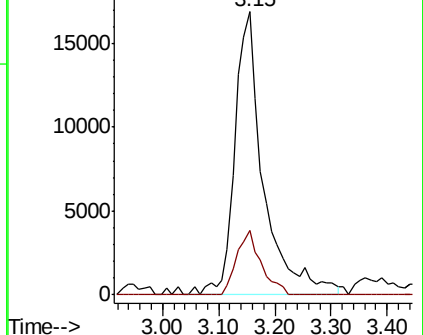
43 100

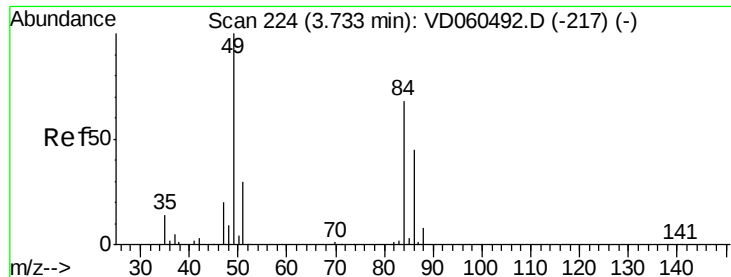
58 23.0 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

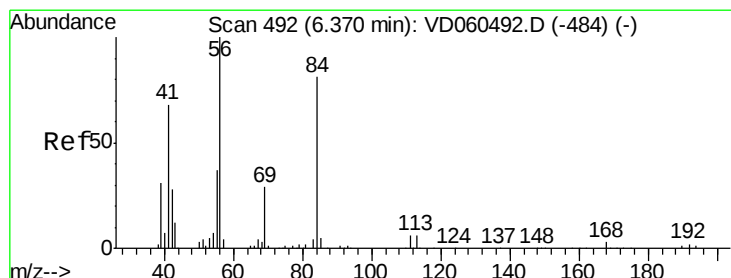
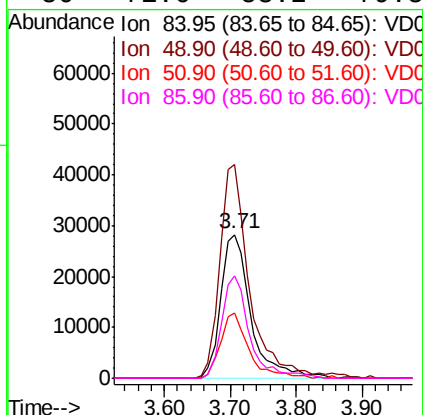
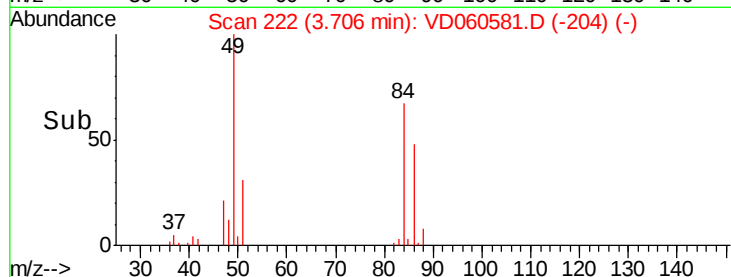
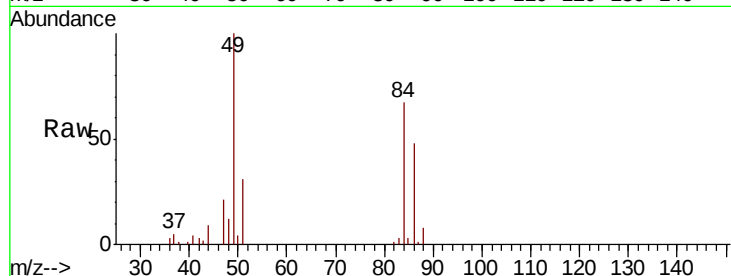




#20
Methvlene Chloride
Concen: 1.331 ug/l
RT: 3.71 min Scan# 222
Delta R.T. -0.03 min
Lab File: VD060581.D
Acq: 14 Dec 2018 18:54

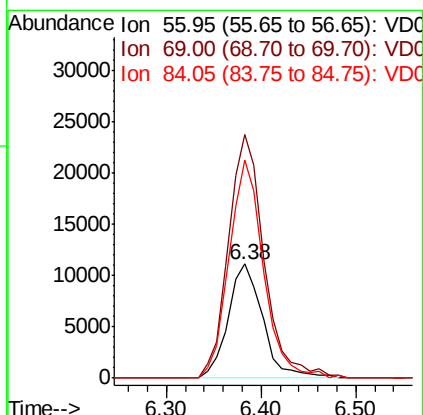
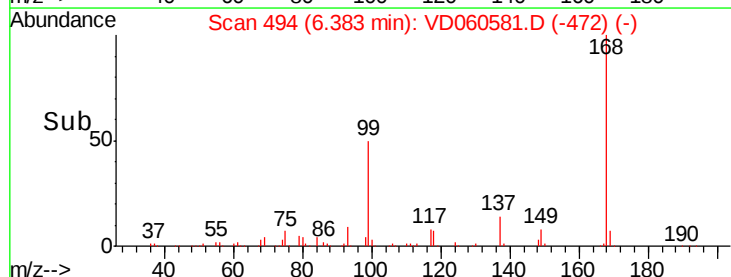
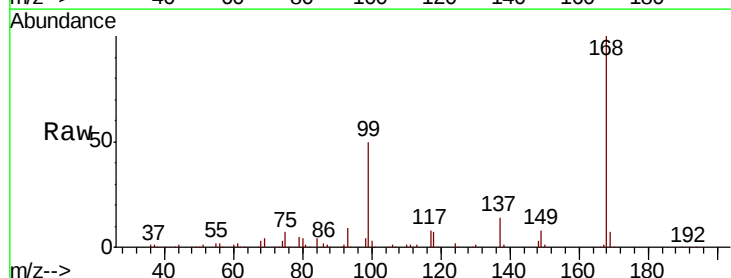
Instrument :
MSVOA_D
ClientSampleId :

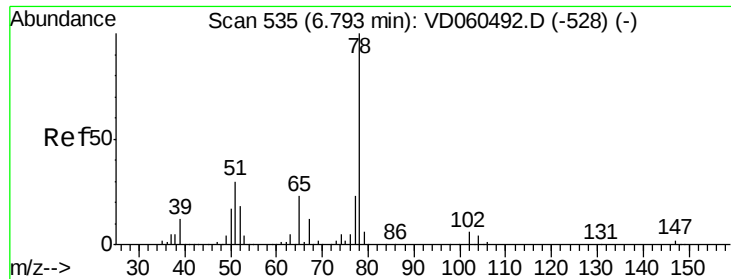
Tot Ion: 84 Resp: 90644
Ion Ratio Lower Upper
84 100
49 148.8 117.2 175.8
51 45.6 35.3 52.9
86 71.6 53.2 79.8



#31
Cyclohexane
Concen: Below Cal
RT: 6.38 min Scan# 494
Delta R.T. 0.01 min
Lab File: VD060581.D
Acq: 14 Dec 2018 18:54

Tgt Ion: 56 Resp: 28319
Ion Ratio Lower Upper
56 100
69 213.6 22.8 34.2#
84 190.8 65.1 97.7#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.77 min Scan# 533

Delta R.T. -0.03 min

Lab File: VD060581.D

Acq: 14 Dec 2018 18:54

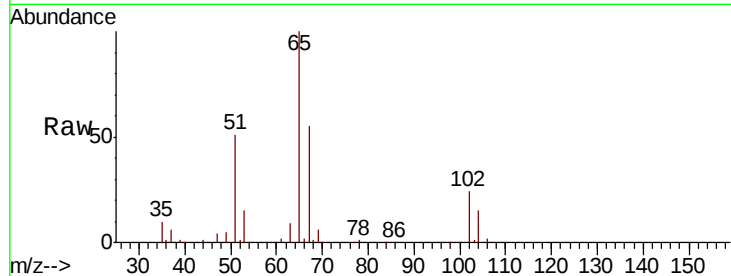
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 582027

Ion Ratio Lower Upper

65 100

67 54.8 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

250000

200000

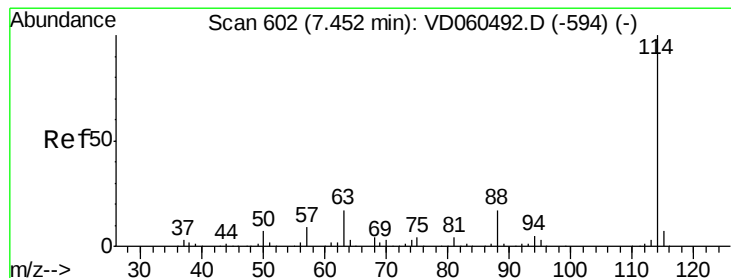
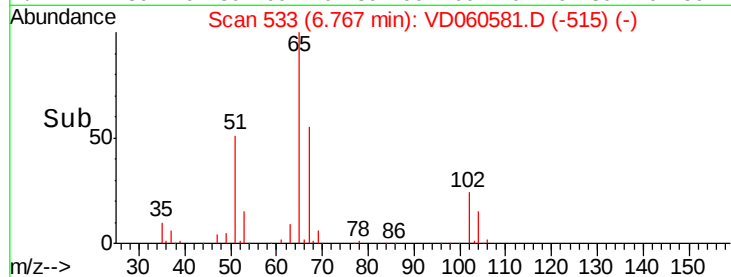
150000

100000

50000

0

Time--> 6.60 6.70 6.80 6.90



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.43 min Scan# 600

Delta R.T. -0.03 min

Lab File: VD060581.D

Acq: 14 Dec 2018 18:54

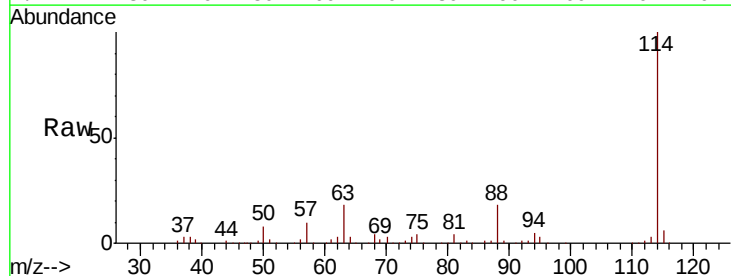
Tgt Ion: 114 Resp: 2136821

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.2

88 17.8 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

1200000

1000000

800000

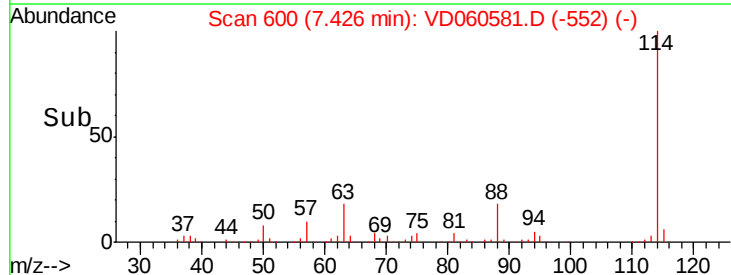
600000

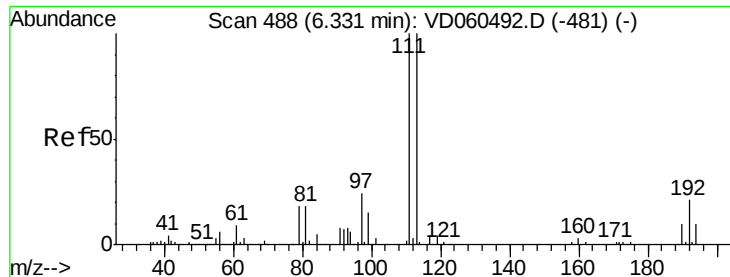
400000

200000

0

Time--> 7.20 7.40 7.60





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.30 min Scan# 486

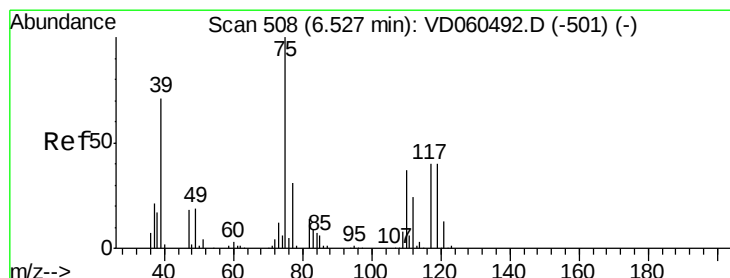
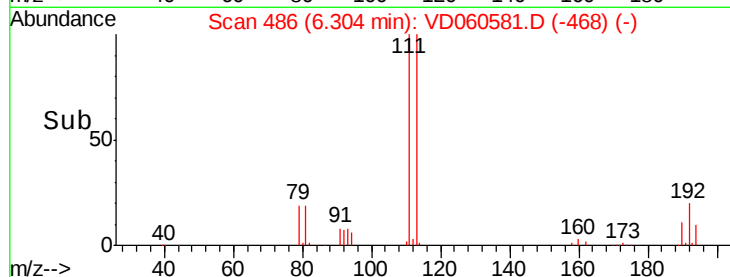
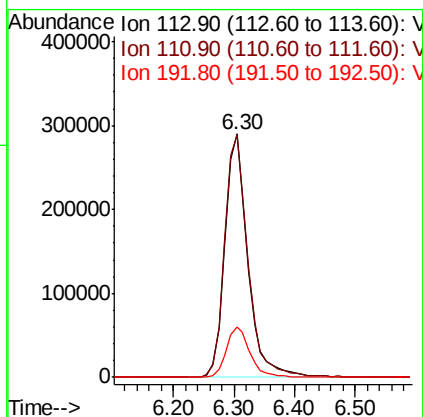
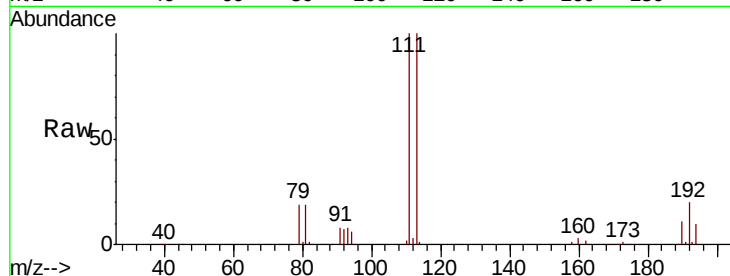
Delta R.T. -0.03 min

Lab File: VD060581.D

Acq: 14 Dec 2018 18:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	113	Resp:	763129
Ion	Ratio	Lower	Upper
113	100		
111	99.8	80.2	120.4
192	20.5	16.6	24.8



#36

1,1-Dichloropropene

Concen: 5.317 ug/l

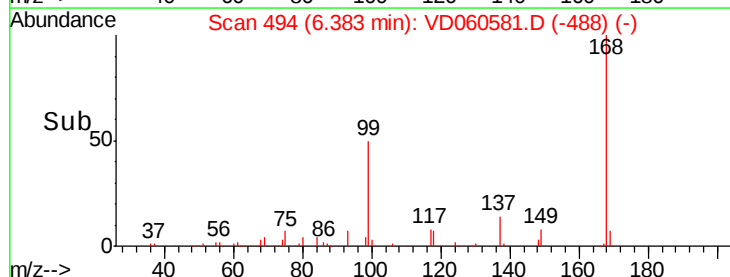
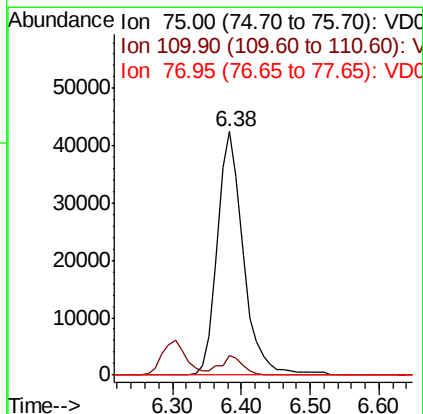
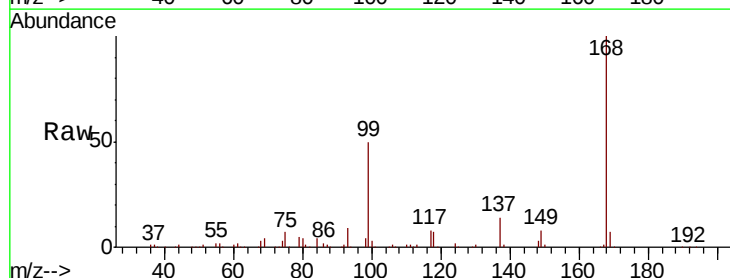
RT: 6.38 min Scan# 494

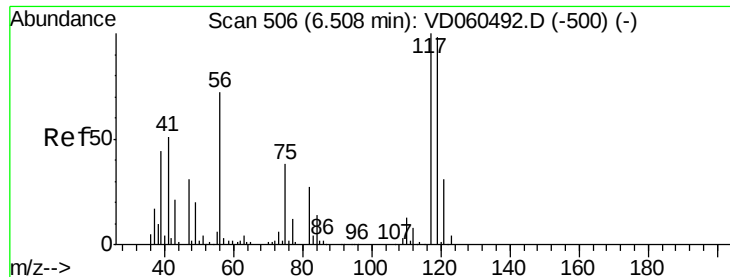
Delta R.T. -0.14 min

Lab File: VD060581.D

Acq: 14 Dec 2018 18:54

Tgt Ion:	75	Resp:	111056
Ion	Ratio	Lower	Upper
75	100		
110	7.9	18.3	54.8#
77	0.0	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 6.436 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.13 min

Lab File: VD060581.D

Acq: 14 Dec 2018 18:54

Instrument :

MSVOA_D

ClientSampleId :

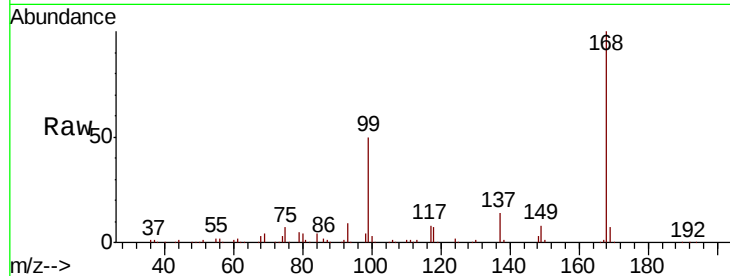
Tot Ion:117 Resp: 120693

Ion Ratio Lower Upper

117 100

119 4.2 76.8 115.2#

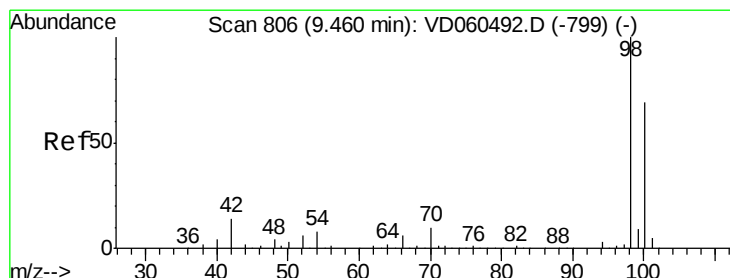
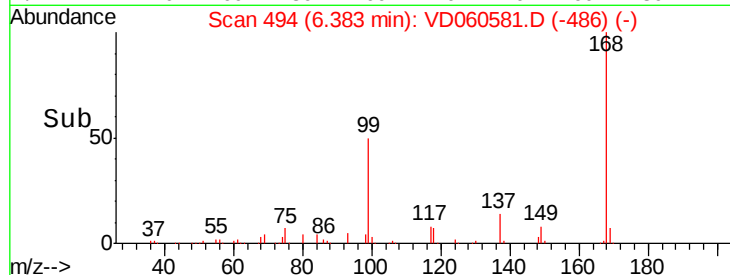
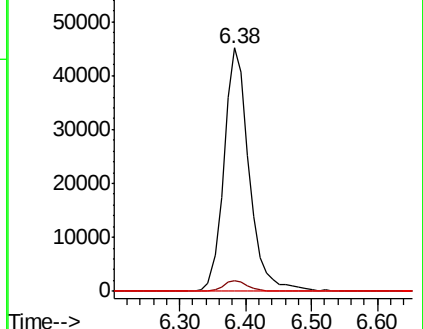
121 0.0 24.4 36.6#



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: 9.43 min Scan# 804

Delta R.T. -0.03 min

Lab File: VD060581.D

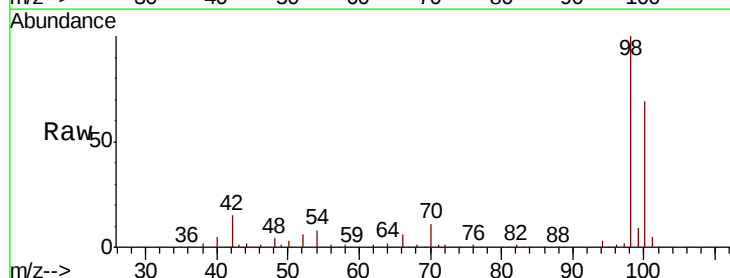
Acq: 14 Dec 2018 18:54

Tgt Ion: 98 Resp: 2211246

Ion Ratio Lower Upper

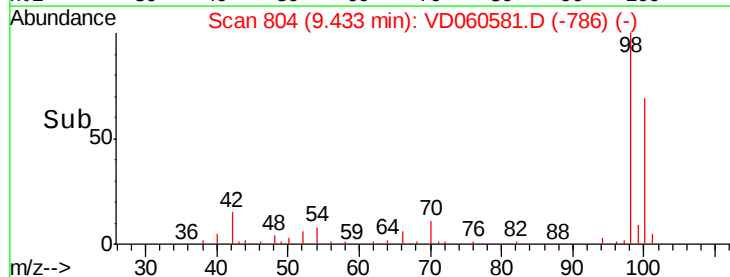
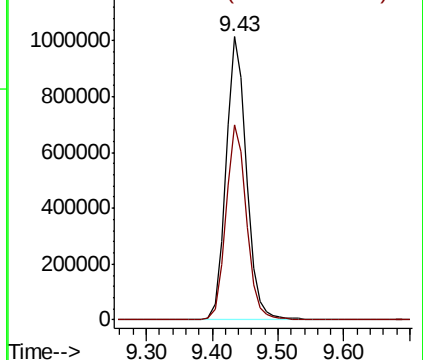
98 100

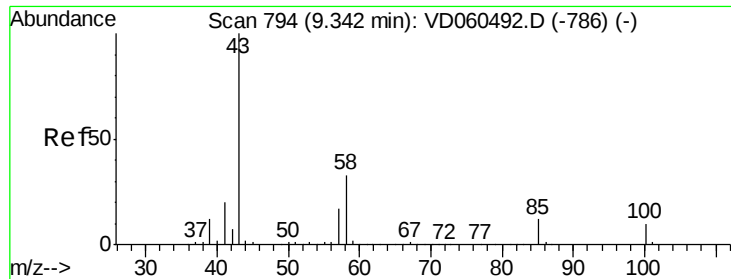
100 68.7 55.7 83.5



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: 1.648 ug/l

RT: 9.43 min Scan# 804

Delta R.T. 0.09 min

Lab File: VD060581.D

Acq: 14 Dec 2018 18:54

Instrument :

MSVOA_D

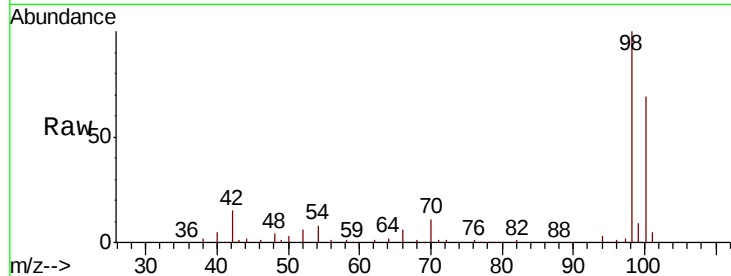
ClientSampled :

Tot Ion: 43 Resp: 11465

Ion Ratio Lower Upper

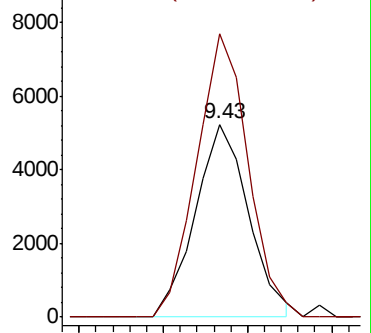
43 100

58 146.7 26.3 39.5#

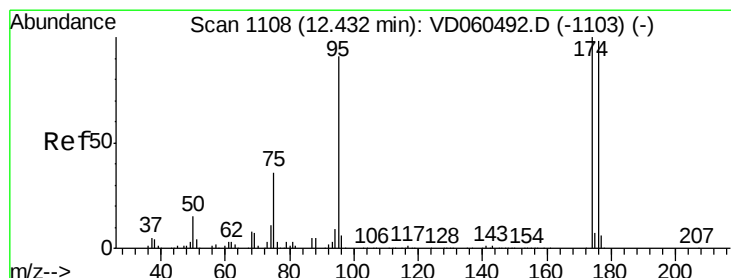
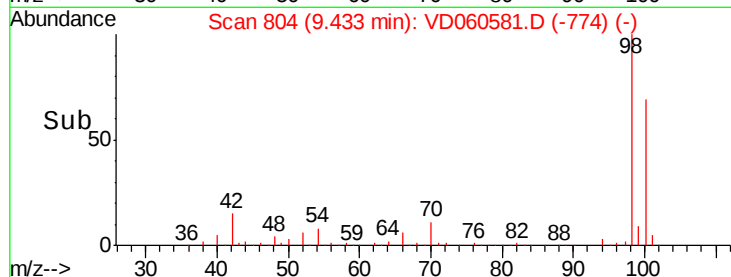


Abundance Ion 42.95 (42.65 to 43.65): VD060492.D (-786) (-)

Ion 57.95 (57.65 to 58.65): VD060492.D (-786) (-)



Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VD060581.D

Acq: 14 Dec 2018 18:54

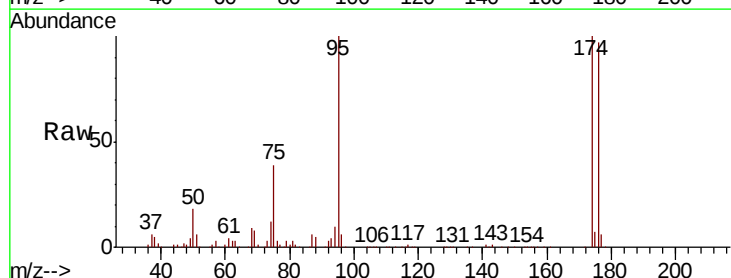
Tgt Ion: 95 Resp: 747693

Ion Ratio Lower Upper

95 100

174 100.2 0.0 219.4

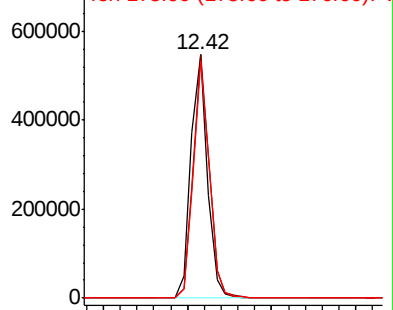
176 97.5 0.0 214.6



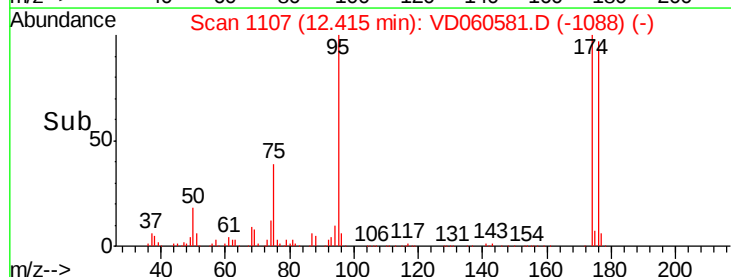
Abundance Ion 95.00 (94.70 to 95.70): VD060492.D (-1103) (-)

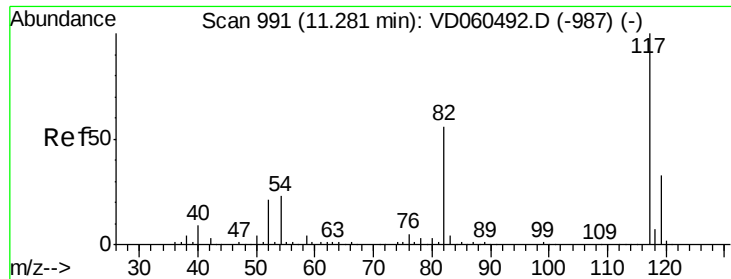
Ion 173.90 (173.60 to 174.60): VD060492.D (-1103) (-)

Ion 175.90 (175.60 to 176.60): VD060492.D (-1103) (-)



Time-->

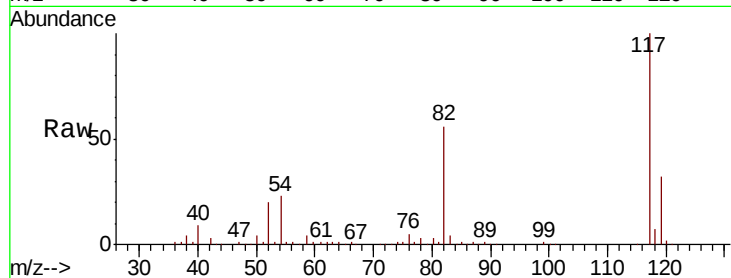




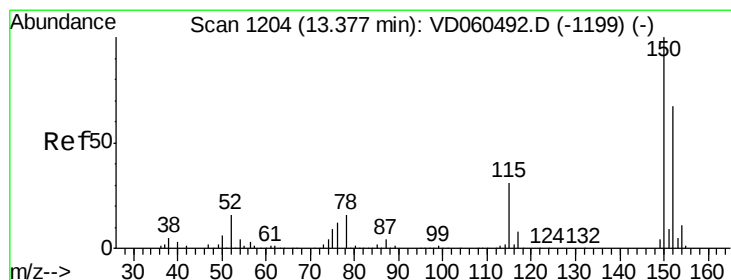
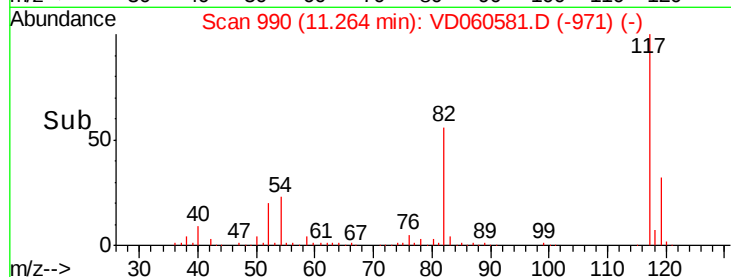
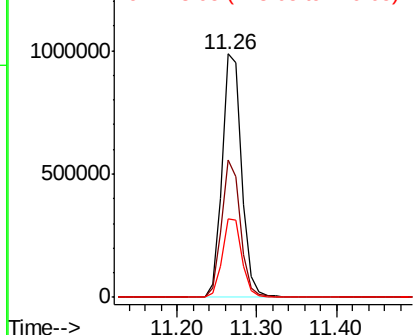
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.26 min Scan# 990
Delta R.T. -0.02 min
Lab File: VD060581.D
Acq: 14 Dec 2018 18:54

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:117 Resp: 1715138
Ion Ratio Lower Upper
117 100
82 56.3 45.2 67.8
119 32.2 26.1 39.1

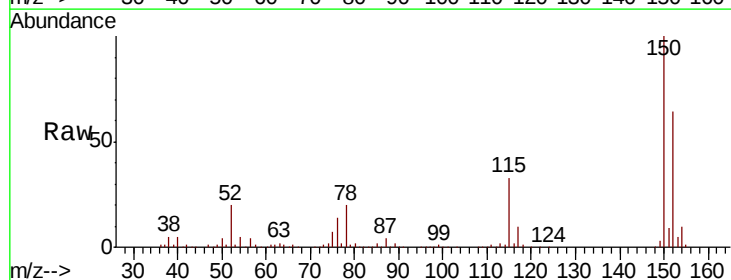


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

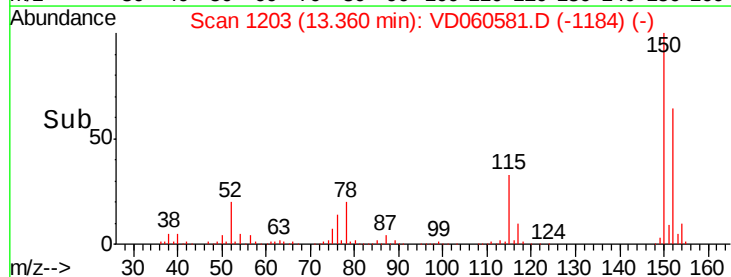
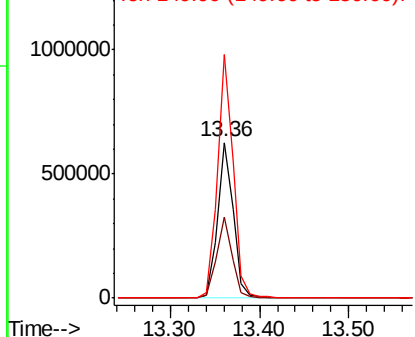


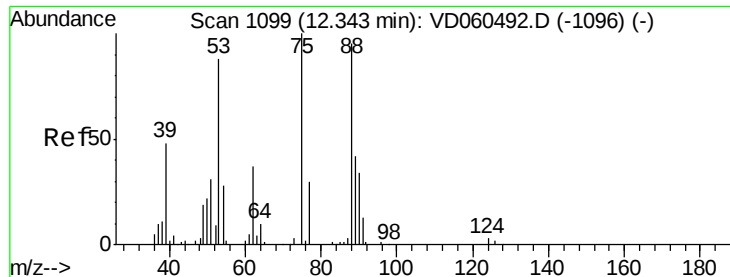
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.36 min Scan# 1203
Delta R.T. -0.02 min
Lab File: VD060581.D
Acq: 14 Dec 2018 18:54

Tgt Ion:152 Resp: 769315
Ion Ratio Lower Upper
152 100
115 52.2 24.6 74.0
150 156.3 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: 123.376 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.07 min

Lab File: VD060581.D

Acq: 14 Dec 2018 18:54

Instrument :

MSVOA_D

ClientSampleId :

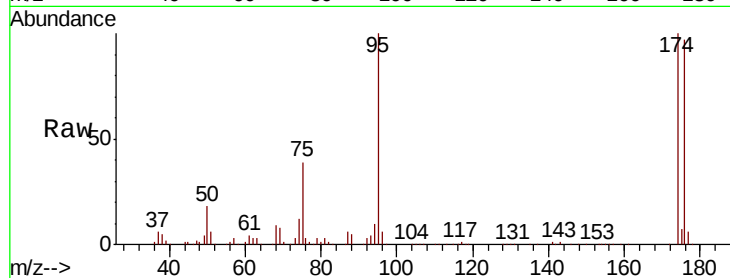
Tot Ion: 75 Resp: 299947

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

