

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061322.D
 Acq On : 26 Mar 2019 2:54
 Operator : VA/AP
 Sample : K2045-06RE
 Misc : 6.15g/5ml/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB439-190318-(25-27)RE

Quant Time: Mar 26 11:46:28 2019
 Quant Title :
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

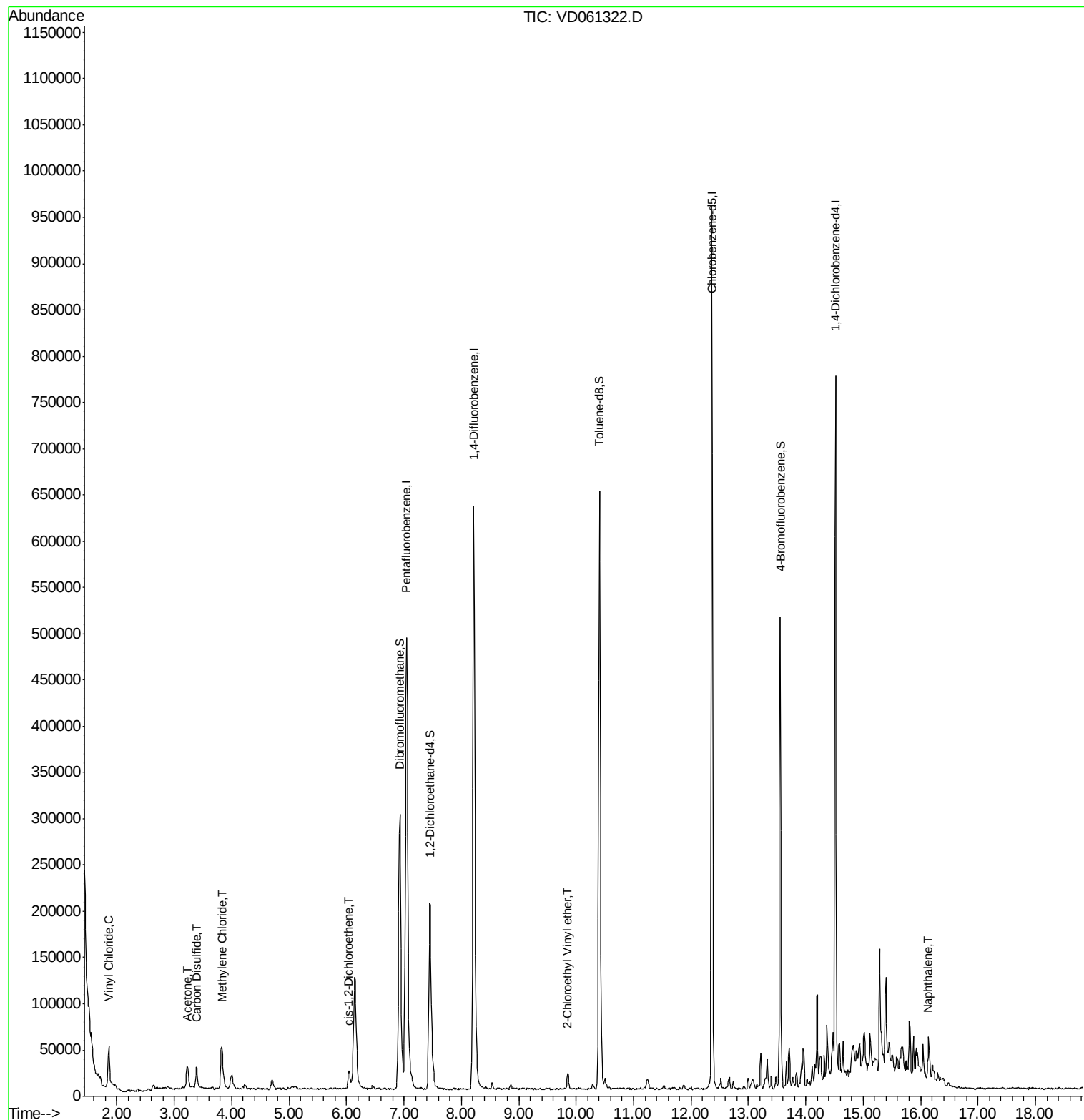
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	515978	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	815853	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	603719	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	181282	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	189497	42.57	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	85.14%	
35) Dibromofluoromethane	6.93	113	289515	46.37	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	92.74%	
50) Toluene-d8	10.40	98	570202	37.67	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	75.34%	
62) 4-Bromofluorobenzene	13.55	95	150807	25.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	51.08%	
Target Compounds						
					Ovalue	
4) Vinyl Chloride	1.86	62	47542	12.356	ug/l	96
16) Acetone	3.23	43	54732	51.400	ug/l	99
17) Carbon Disulfide	3.39	76	47187	2.852	ug/l #	93
20) Methylene Chloride	3.83	84	33261	5.504	ug/l	93
27) cis-1,2-Dichloroethene	6.04	96	14093	2.350	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.85	63	8452	4.521	ug/l	100
95) Naphthalene	16.12	128	7364	2.346	ug/l #	88

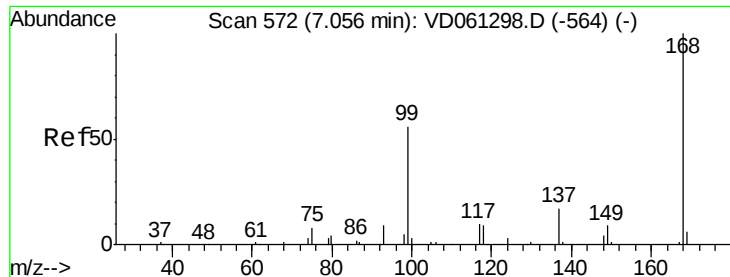
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD061322.D

Acq: 26 Mar 2019 2:54

Instrument :

MSVOA_D

ClientSampleId :

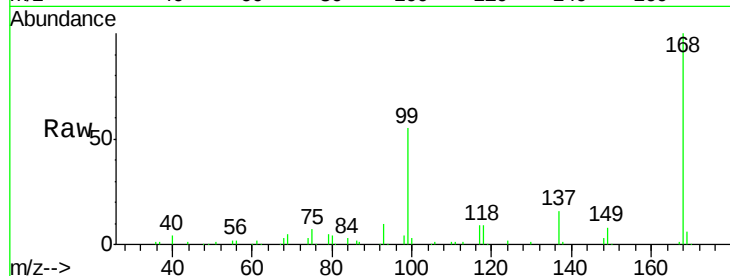
WP022SB439-190318-(25-27)RE

Tot Ion:168 Resp: 515978

Ion Ratio Lower Upper

168 100

99 55.0 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

150000

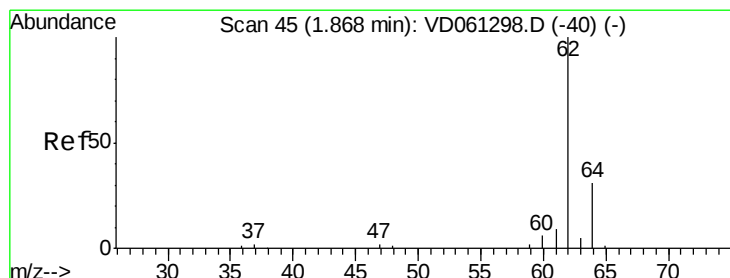
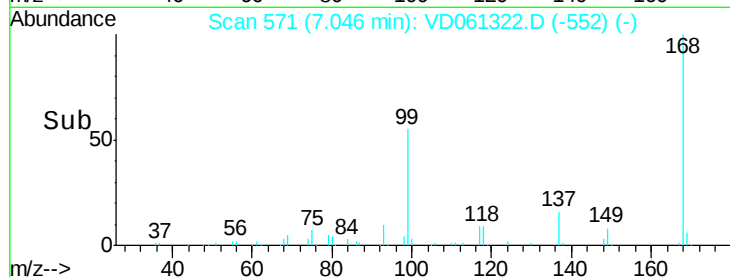
100000

50000

0

6.90 7.00 7.10 7.20 7.30

Time-->



#4

Vinyl Chloride

Concen: 12.356 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD061322.D

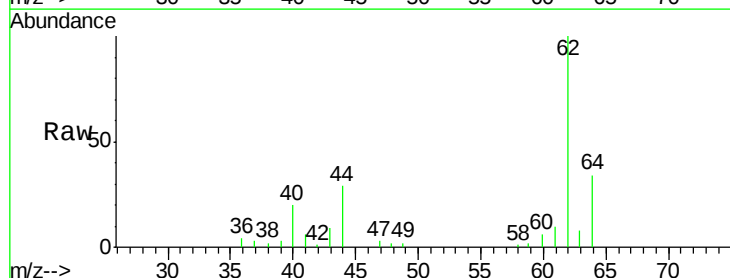
Acq: 26 Mar 2019 2:54

Tgt Ion: 62 Resp: 47542

Ion Ratio Lower Upper

62 100

64 33.6 25.1 37.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.86

25000

20000

15000

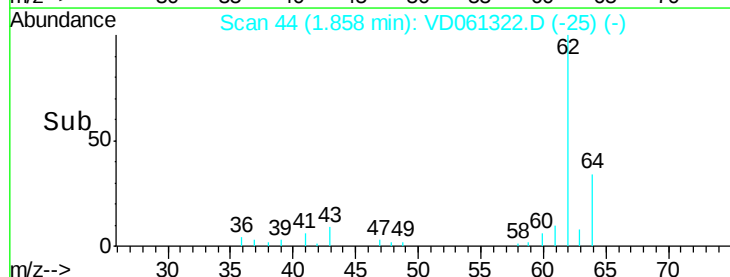
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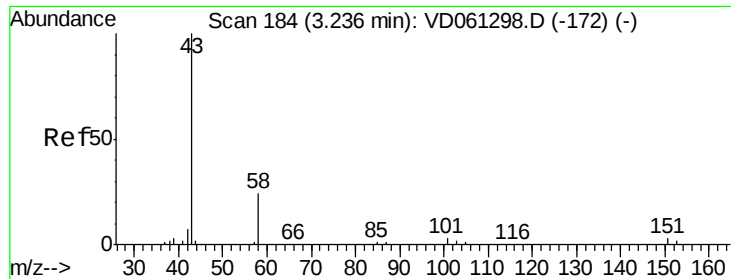
5000

0

1.80 1.90 2.00

Time-->





#16

Acetone

Concen: 51.400 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD061322.D

Acq: 26 Mar 2019 2:54

Instrument :

MSVOA_D

ClientSampleId :

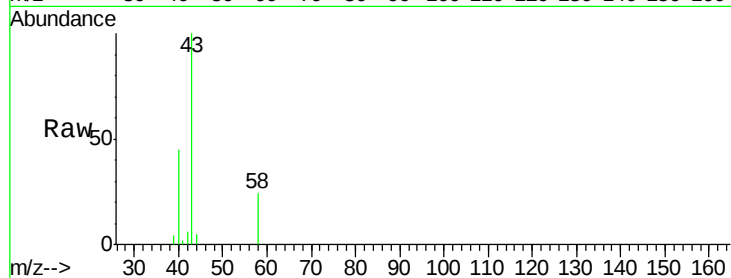
WP022SB439-190318-(25-27)RE

Tot Ion: 43 Resp: 54732

Ion Ratio Lower Upper

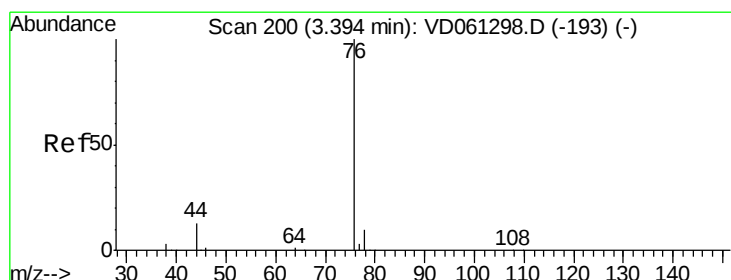
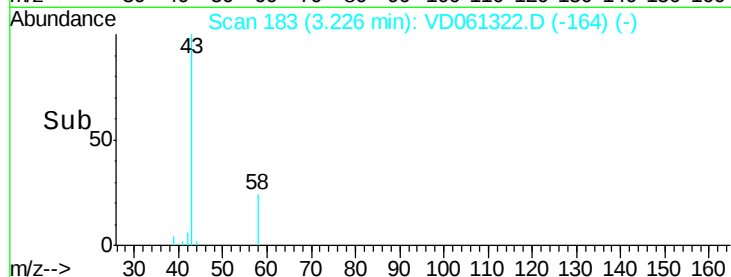
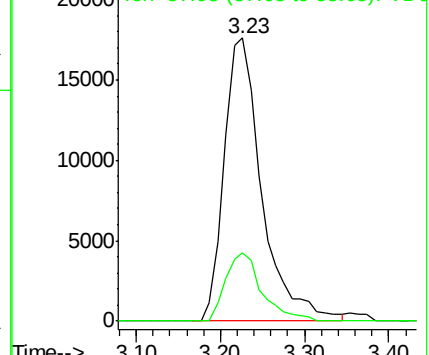
43 100

58 23.9 19.4 29.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#17

Carbon Disulfide

Concen: 2.852 ug/l

RT: 3.39 min Scan# 200

Delta R.T. -0.00 min

Lab File: VD061322.D

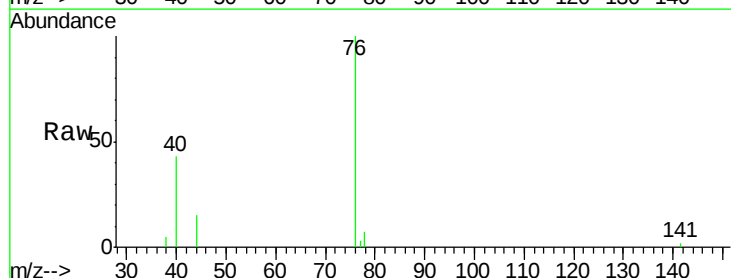
Acq: 26 Mar 2019 2:54

Tgt Ion: 76 Resp: 47187

Ion Ratio Lower Upper

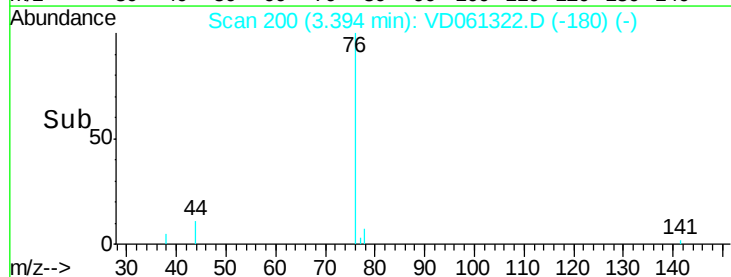
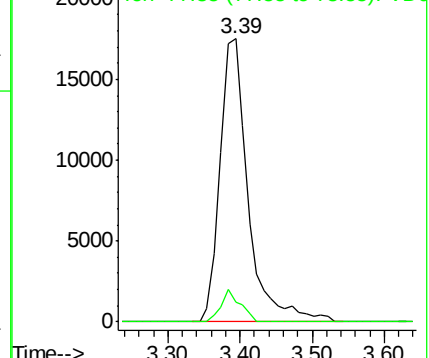
76 100

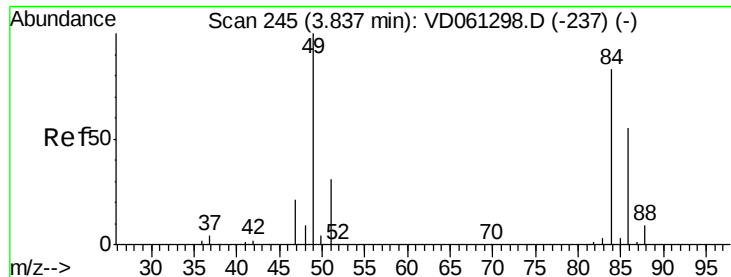
78 7.0 7.8 11.6#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

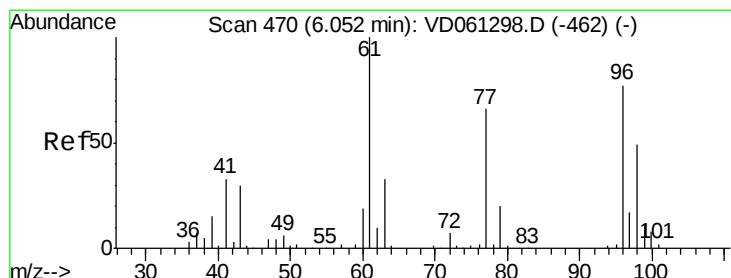
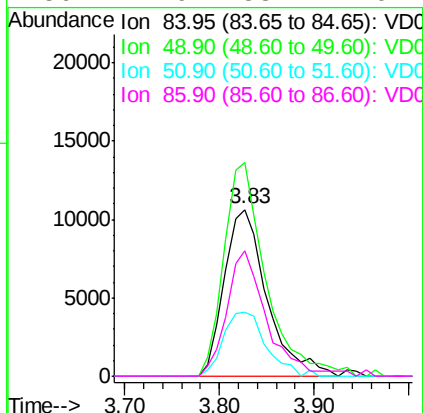
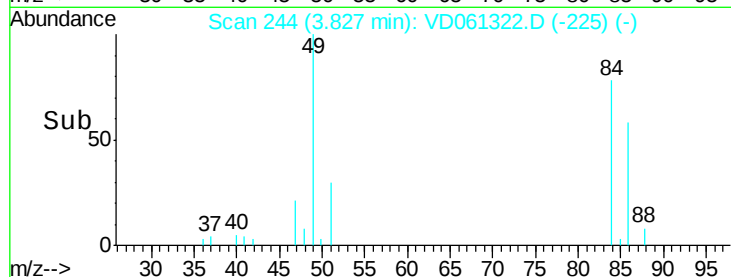
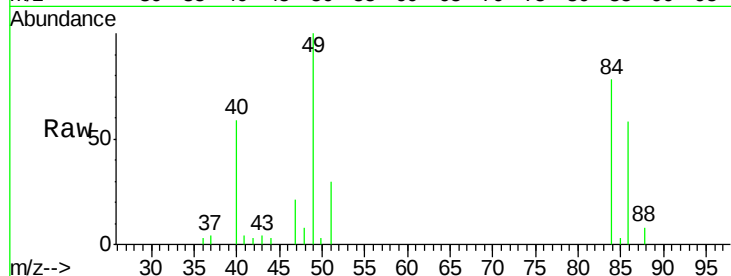




#20
Methylene Chloride
Concen: 5.504 ug/l
RT: 3.83 min Scan# 244
Delta R.T. -0.01 min
Lab File: VD061322.D
Acq: 26 Mar 2019 2:54

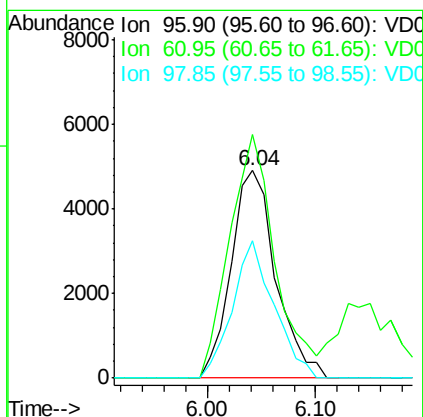
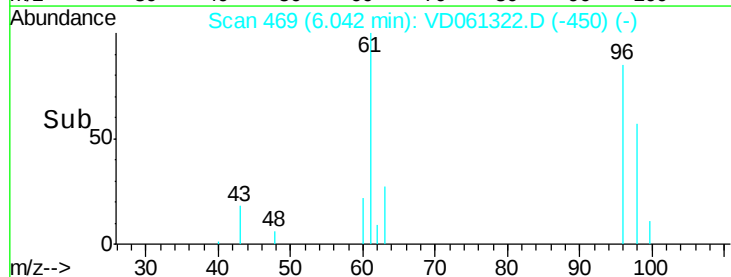
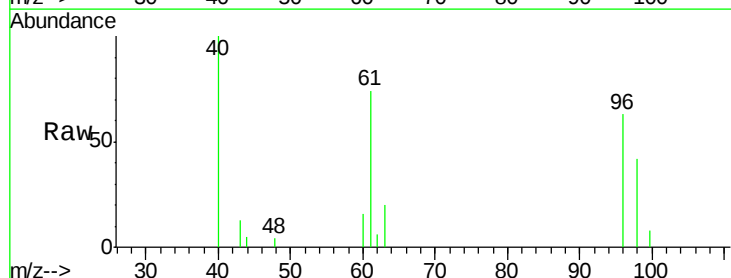
Instrument :
MSVOA_D
ClientSampleId :
WP022SB439-190318-(25-27)RE

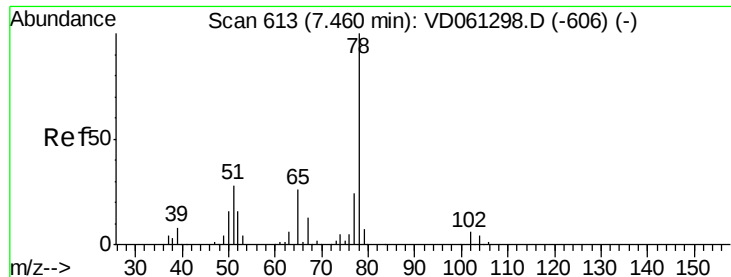
Tot Ion: 84 Resp: 33261
Ion Ratio Lower Upper
84 100
49 128.2 96.8 145.2
51 38.5 29.9 44.9
86 74.9 53.1 79.7



#27
cis-1,2-Dichloroethene
Concen: 2.350 ug/l
RT: 6.04 min Scan# 469
Delta R.T. -0.01 min
Lab File: VD061322.D
Acq: 26 Mar 2019 2:54

Tgt Ion: 96 Resp: 14093
Ion Ratio Lower Upper
96 100
61 117.5 0.0 261.0
98 66.4 0.0 127.6





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD061322.D

Acq: 26 Mar 2019 2:54

Instrument :

MSVOA_D

ClientSampleId :

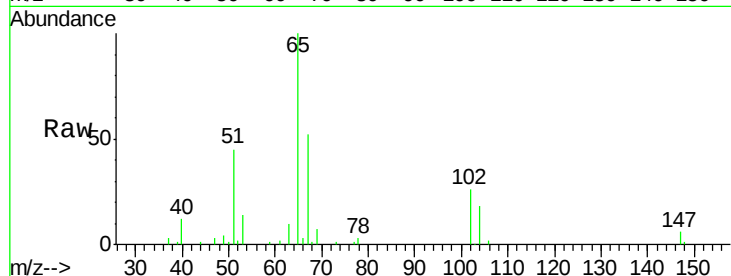
WP022SB439-190318-(25-27)RE

Tot Ion: 65 Resp: 189497

Ion Ratio Lower Upper

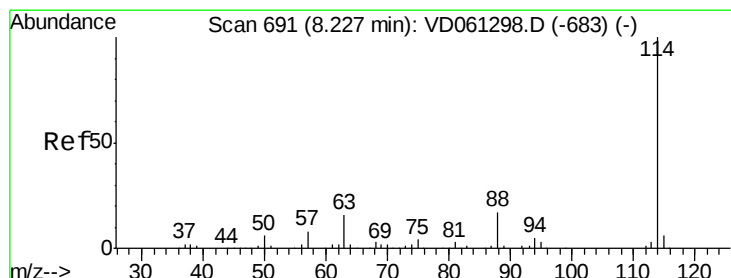
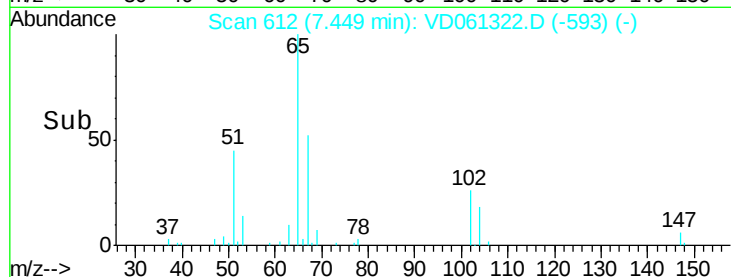
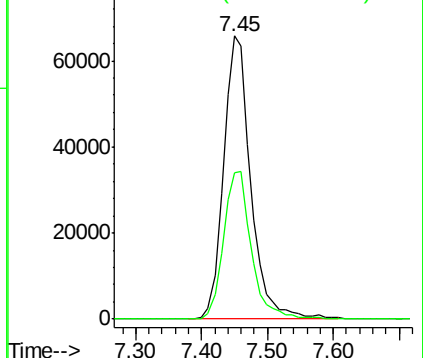
65 100

67 51.7 0.0 100.8



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: 8.22 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD061322.D

Acq: 26 Mar 2019 2:54

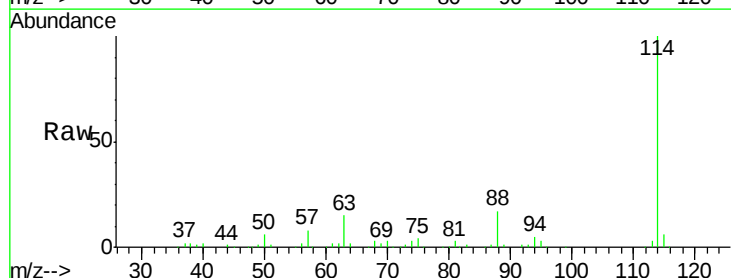
Tgt Ion: 114 Resp: 815853

Ion Ratio Lower Upper

114 100

63 14.9 0.0 31.4

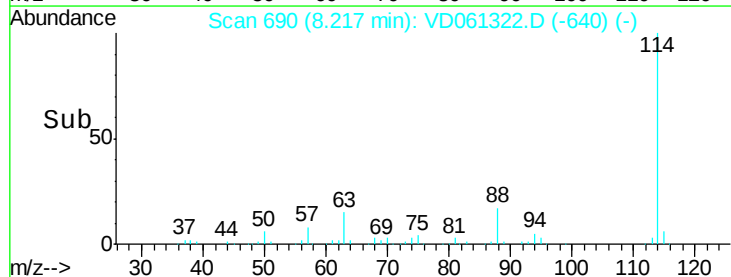
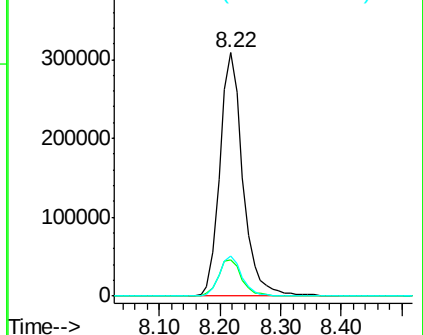
88 16.5 0.0 33.2

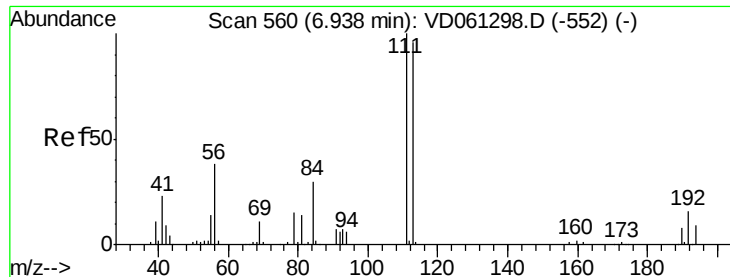


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

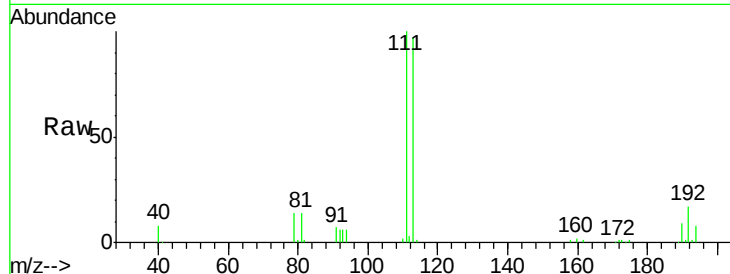




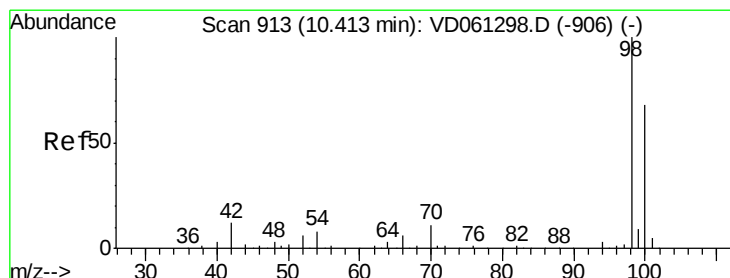
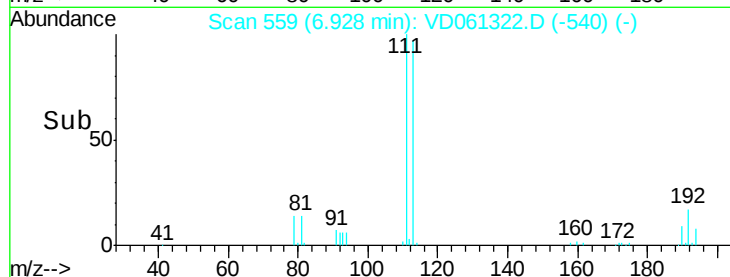
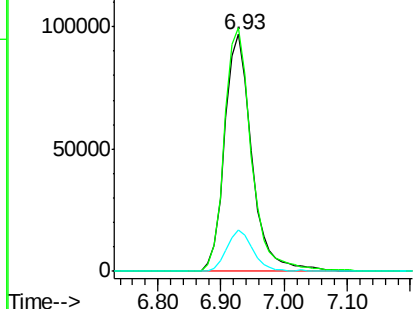
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD061322.D
 Acq: 26 Mar 2019 2:54

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB439-190318-(25-27)RE

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.7	125.5
192	17.6	13.4	20.0

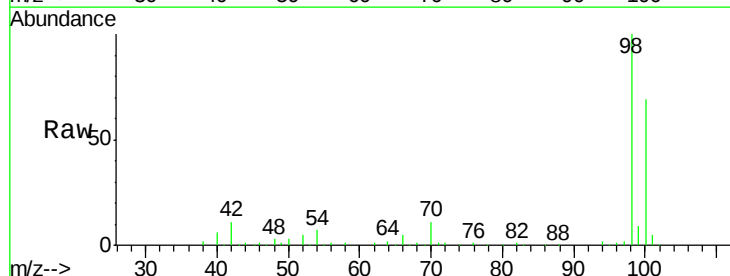


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

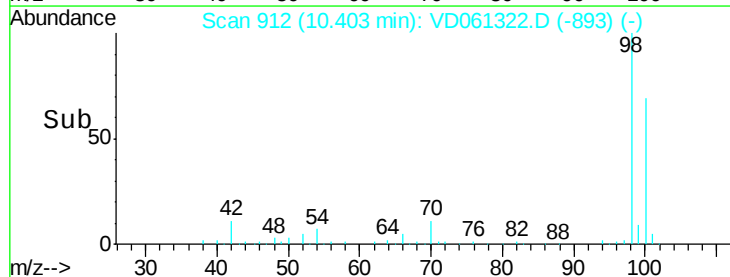
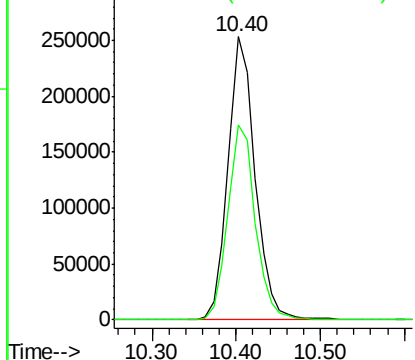


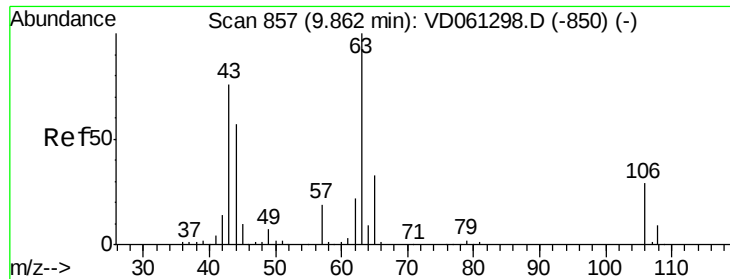
#50
 Toluene-d8
 Concen: N.D. ug/l
 RT: 10.40 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: VD061322.D
 Acq: 26 Mar 2019 2:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.9	55.4	83.0



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

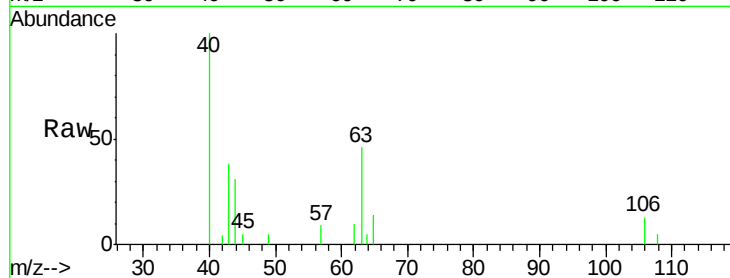




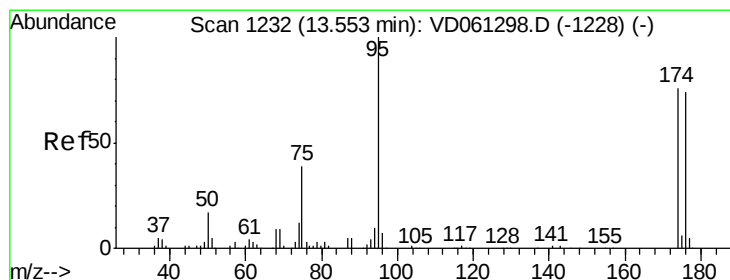
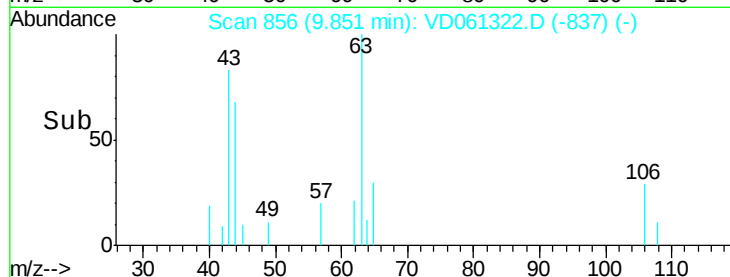
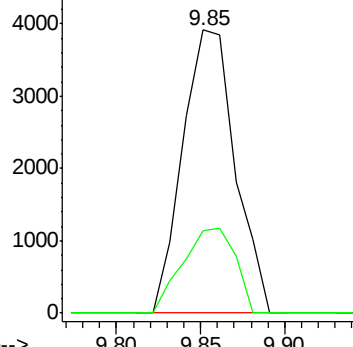
#58
2-Chloroethyl Vinyl ether
Concen: 4.521 ug/l
RT: 9.85 min Scan# 856
Delta R.T. -0.01 min
Lab File: VD061322.D
Acq: 26 Mar 2019 2:54

Instrument :
MSVOA_D
ClientSampleId :
WP022SB439-190318-(25-27)RE

Tot Ion: 63 Resp: 8452
Ion Ratio Lower Upper
63 100
106 29.2 23.4 35.0

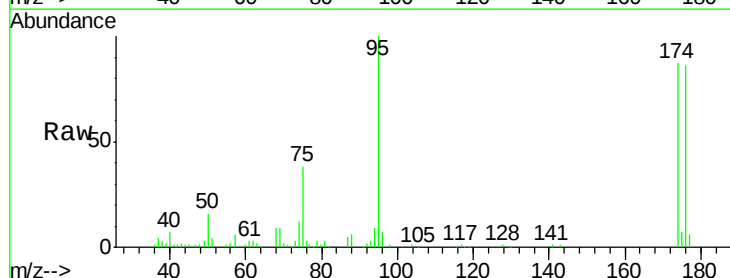


Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 105.95 (105.65 to 106.65): V

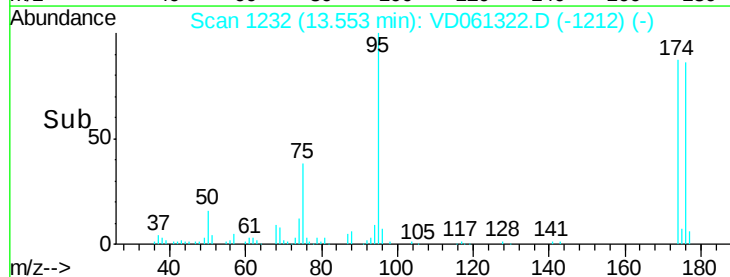
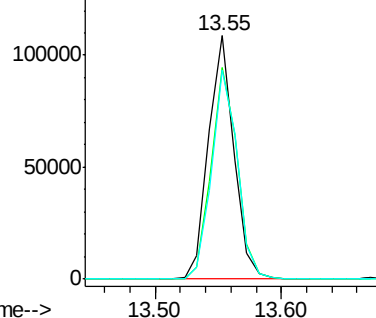


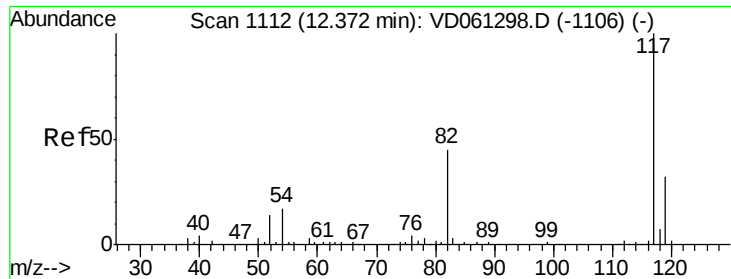
#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD061322.D
Acq: 26 Mar 2019 2:54

Tgt Ion: 95 Resp: 150807
Ion Ratio Lower Upper
95 100
174 86.9 0.0 151.8
176 86.1 0.0 148.0



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

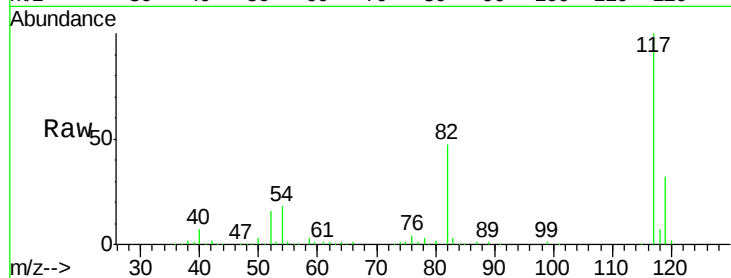




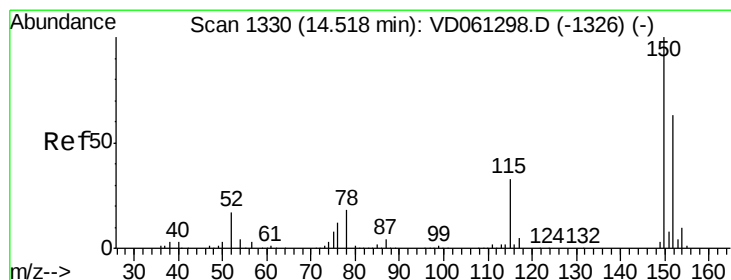
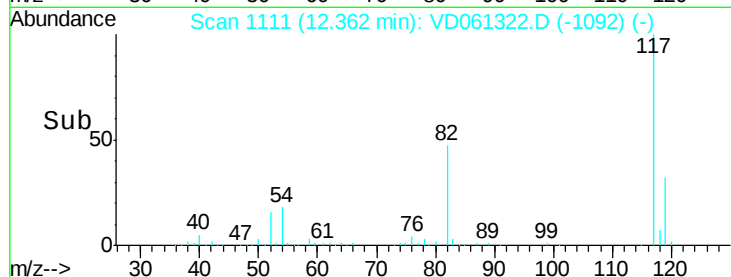
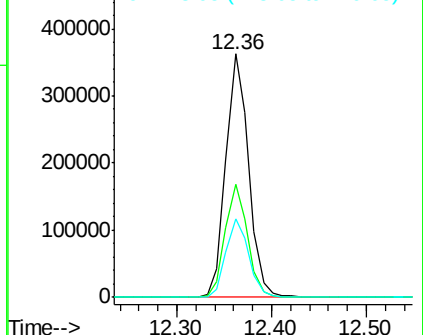
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD061322.D
Acq: 26 Mar 2019 2:54

Instrument :
MSVOA_D
ClientSampleId :
WP022SB439-190318-(25-27)RE

Tot Ion:117 Resp: 603719
Ion Ratio Lower Upper
117 100
82 46.5 35.7 53.5
119 32.3 25.9 38.9

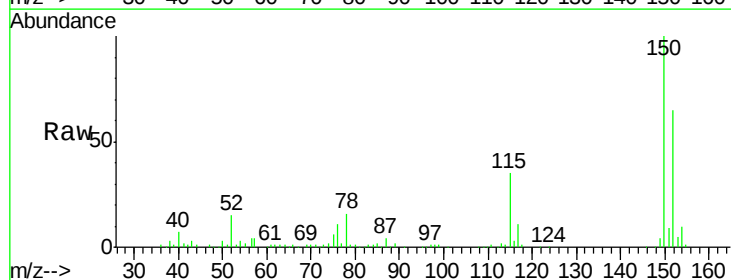


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

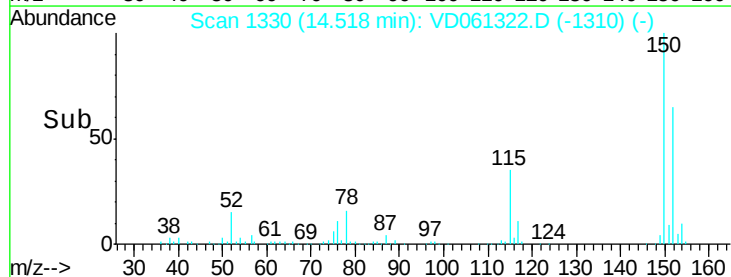
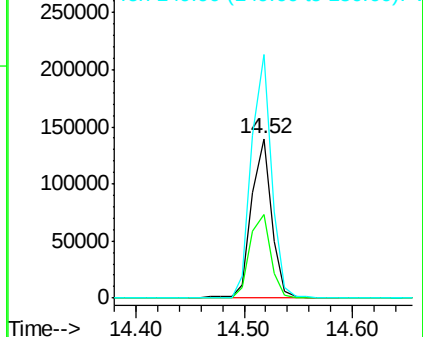


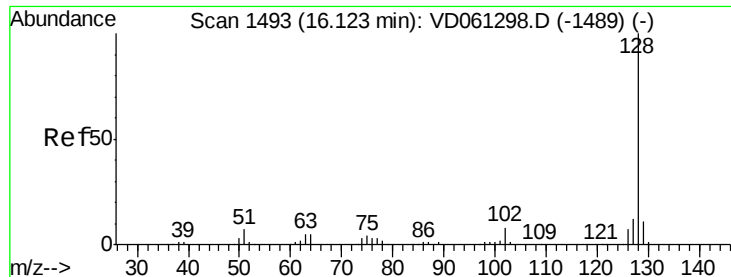
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD061322.D
Acq: 26 Mar 2019 2:54

Tgt Ion:152 Resp: 181282
Ion Ratio Lower Upper
152 100
115 52.9 29.2 87.6
150 152.9 0.0 319.6



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





#95
Naphthalene
Concen: 2.346 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061322.D
Acq: 26 Mar 2019 2:54

Instrument :
MSVOA_D
ClientSampleId :
WP022SB439-190318-(25-27)RE

Tot Ion:128 Resp: 7364
Ion Ratio Lower Upper
128 100
127 14.5 9.8 14.6
129 17.6 8.6 12.8#

