

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032619\
 Data File : VD061341.D
 Acq On : 26 Mar 2019 17:35
 Operator : VA/AP
 Sample : K2043-10RE
 Misc : 6.50u/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022-SB430-190319-(20-22)RE

Quant Time: Mar 27 08:06:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 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	676771	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	1119327	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	905376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	440170	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	232036	39.74	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	79.48%	
35) Dibromofluoromethane	6.93	113	343318	40.08	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	80.16%	
50) Toluene-d8	10.41	98	836071	40.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	80.52%	
62) 4-Bromofluorobenzene	13.56	95	316403	39.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.10%	

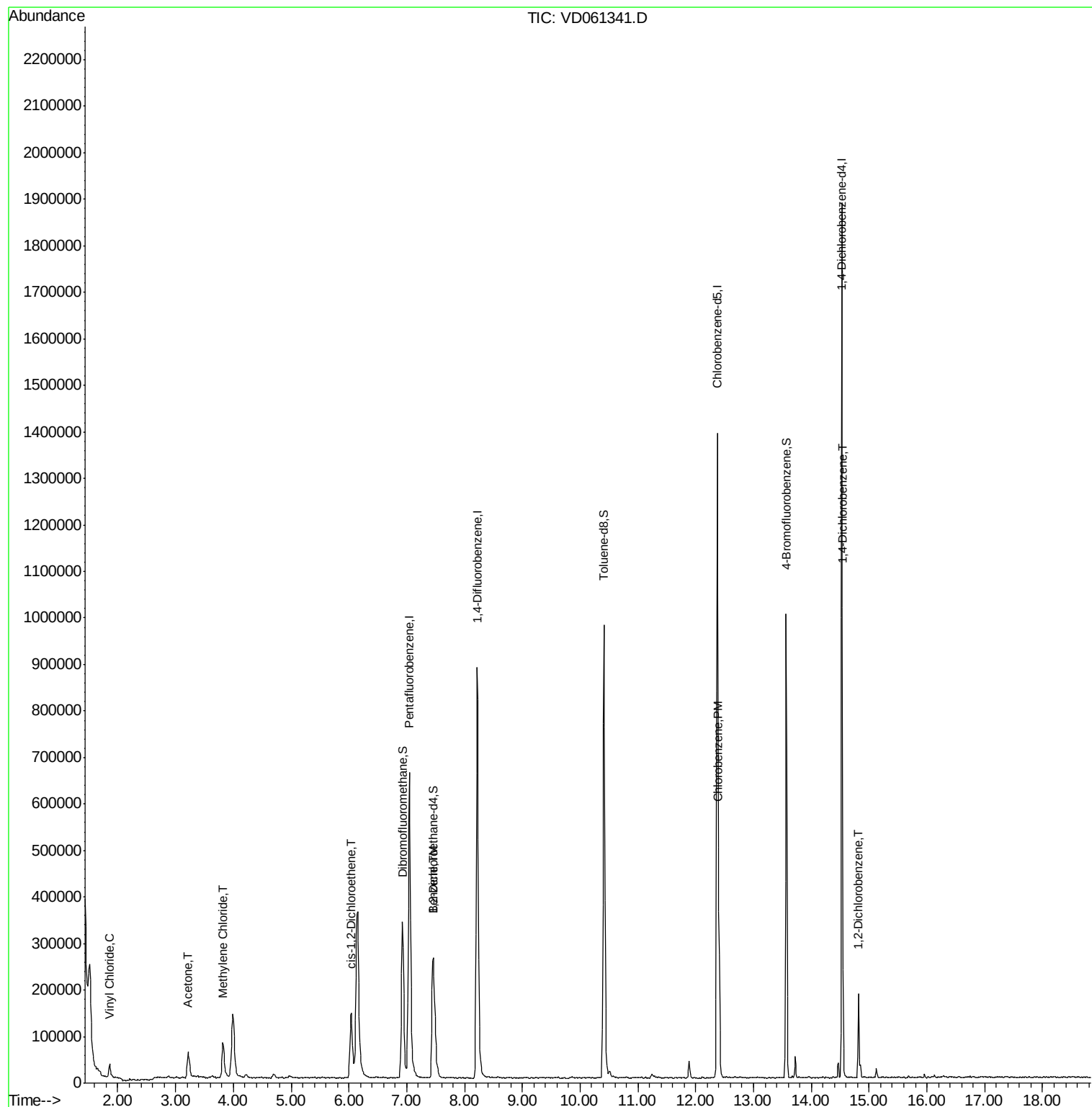
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.86	62	32830	6.505	ug/l	92
16) Acetone	3.22	43	109203	78.189	ug/l	92
20) Methylene Chloride	3.82	84	61945	7.815	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	114550	14.563	ug/l	90
40) Benzene	7.45	78	24064	1.058	ug/l	96
65) Chlorobenzene	12.40	112	162145	9.723	ug/l	98
88) 1,4-Dichlorobenzene	14.55	146	35418	2.579	ug/l	97
91) 1,2-Dichlorobenzene	14.82	146	69958	6.185	ug/l	97

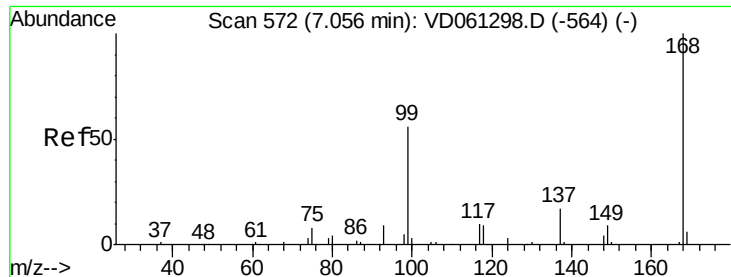
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Mar 26 03:31:57 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.01 min

Lab File: VD061341.D

Acq: 26 Mar 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

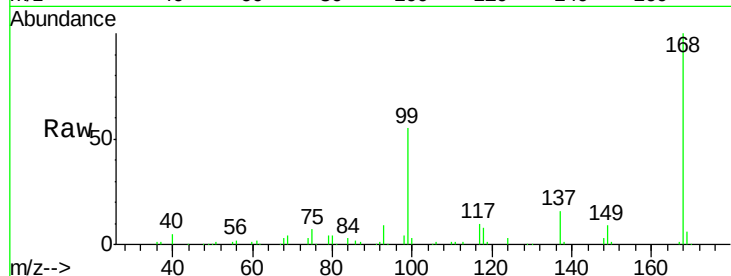
WP022-SB430-190319-(20-22)RE

Tot Ion:168 Resp: 676771

Ion Ratio Lower Upper

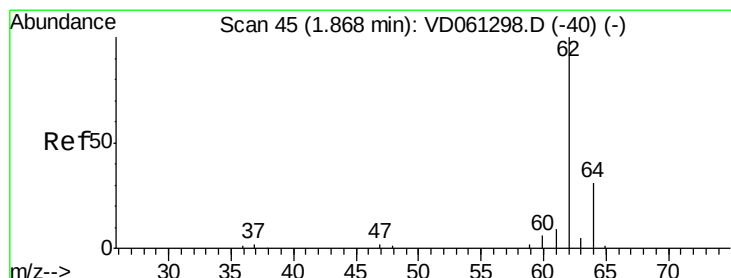
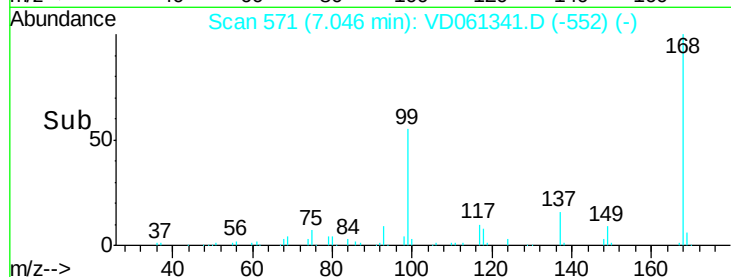
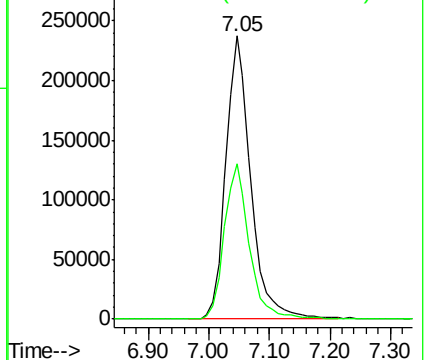
168 100

99 55.1 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#4

Vinyl Chloride

Concen: 6.505 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD061341.D

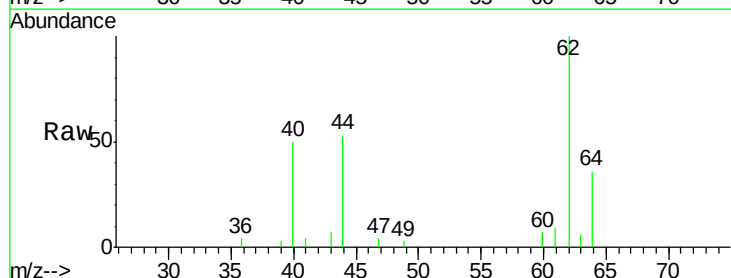
Acq: 26 Mar 2019 17:35

Tgt Ion: 62 Resp: 32830

Ion Ratio Lower Upper

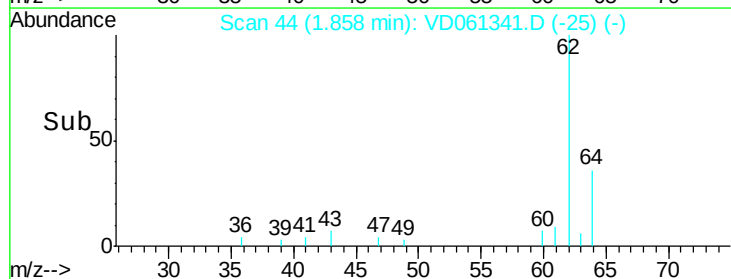
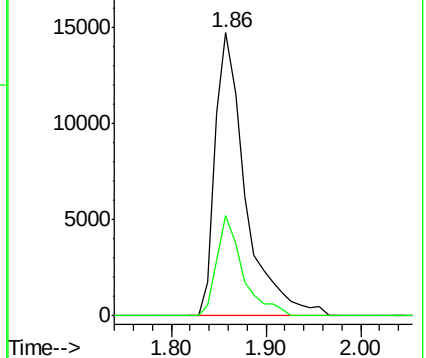
62 100

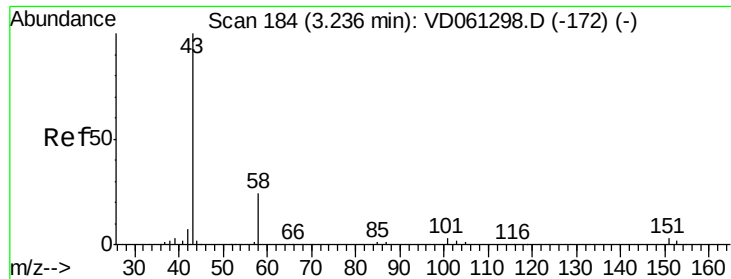
64 35.6 25.1 37.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#16

Acetone

Concen: 78.189 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD061341.D

Acq: 26 Mar 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

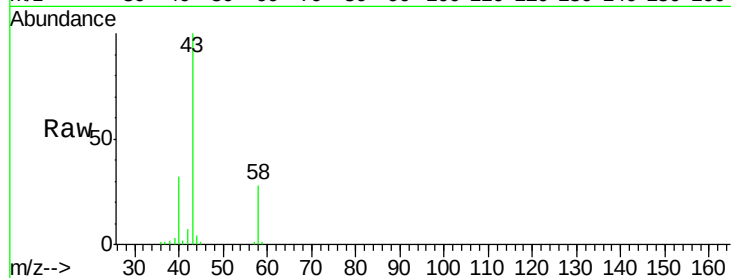
WP022-SB430-190319-(20-22)RE

Tot Ion: 43 Resp: 109203

Ion Ratio Lower Upper

43 100

58 28.4 19.4 29.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.22

40000

30000

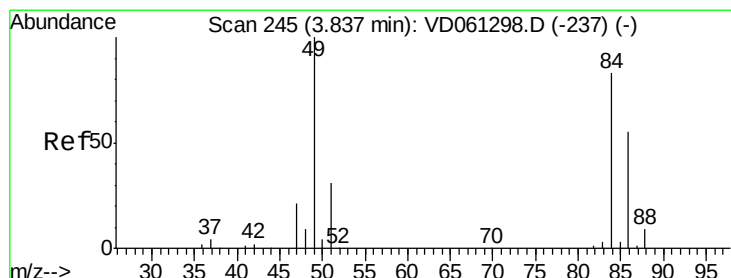
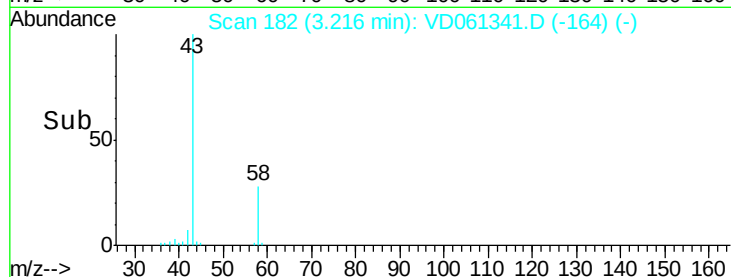
20000

10000

0

Time-->

3.10 3.20 3.30 3.40



#20

Methylene Chloride

Concen: 7.815 ug/l

RT: 3.82 min Scan# 243

Delta R.T. -0.02 min

Lab File: VD061341.D

Acq: 26 Mar 2019 17:35

Tgt Ion: 84 Resp: 61945

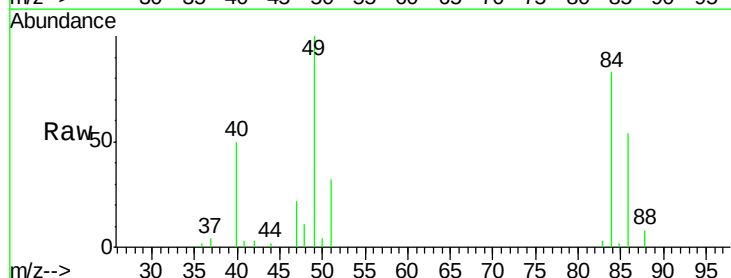
Ion Ratio Lower Upper

84 100

49 121.0 96.8 145.2

51 38.2 29.9 44.9

86 64.8 53.1 79.7



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

30000

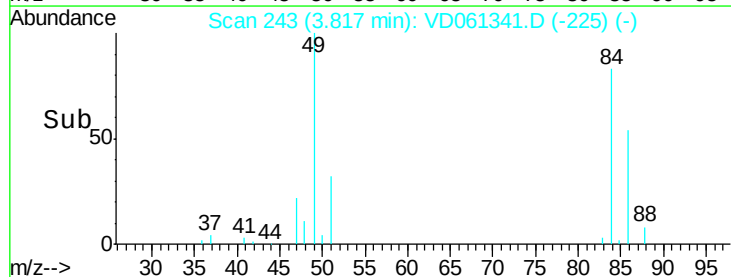
20000

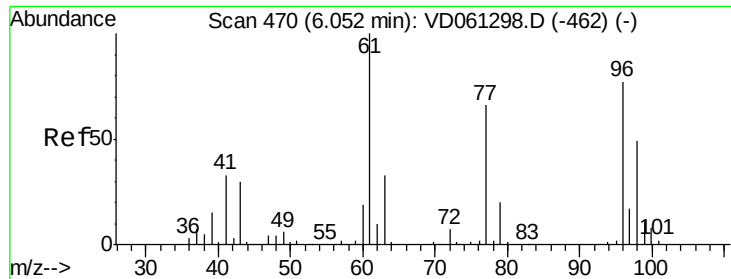
10000

0

Time-->

3.70 3.80 3.90 4.00



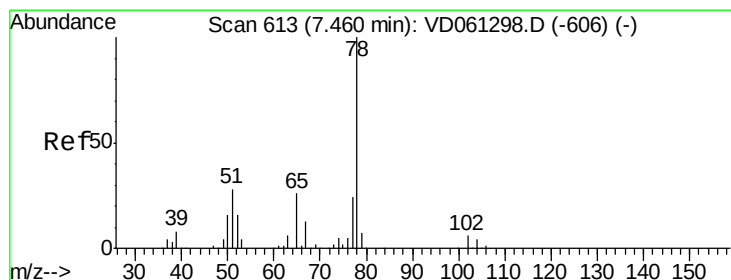
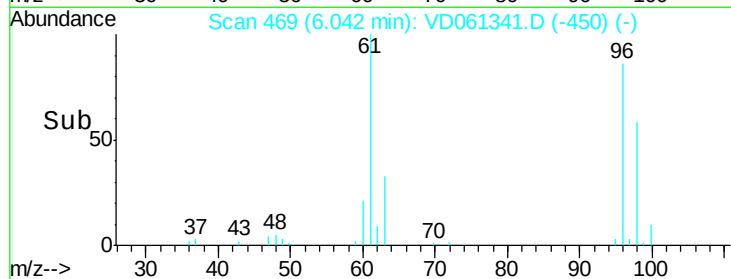
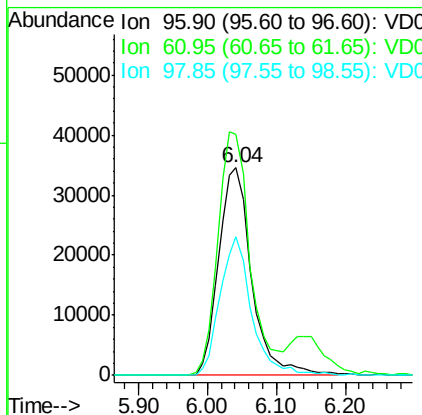
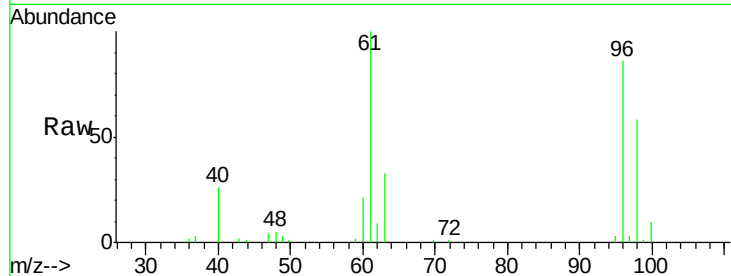


#27

cis-1,2-Dichloroethene
 Concen: 14.563 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. -0.01 min
 Lab File: VD061341.D
 Acq: 26 Mar 2019 17:35

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022-SB430-190319-(20-22)RE

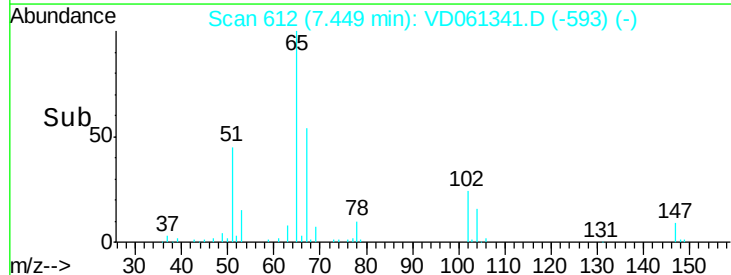
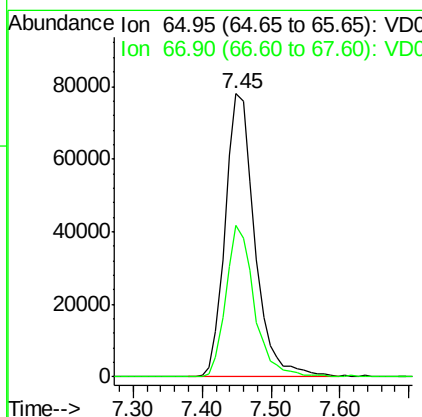
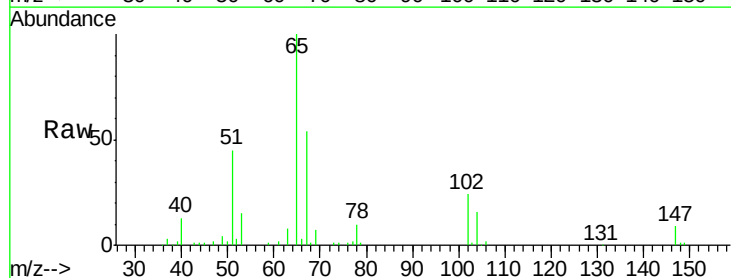
Tot Ion	Ratio	Lower	Upper
96	100		
61	116.3	0.0	261.0
98	67.0	0.0	127.6

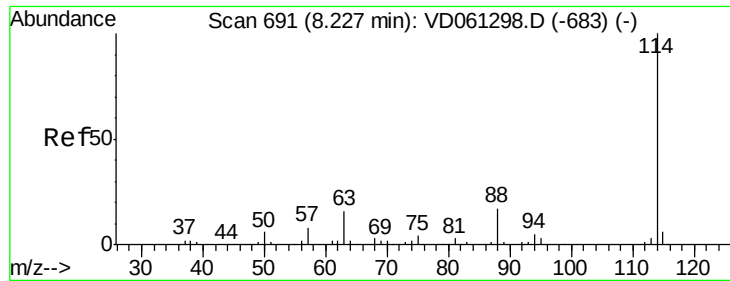


#33

1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: VD061341.D
 Acq: 26 Mar 2019 17:35

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	100.8

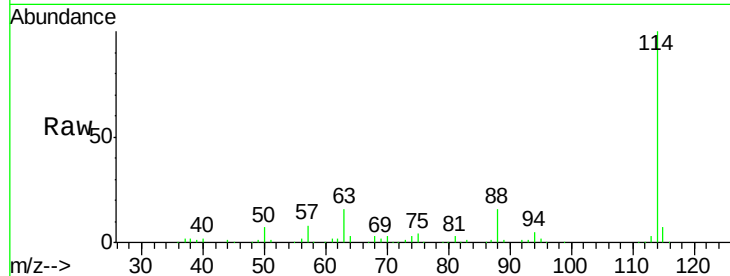




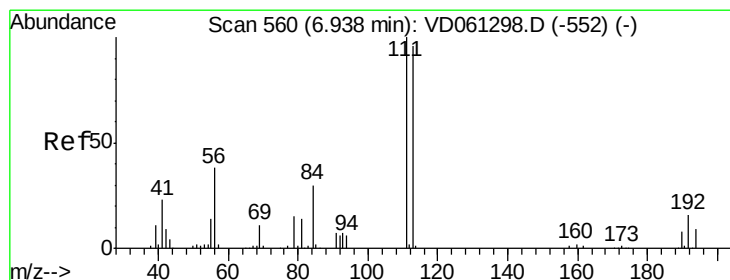
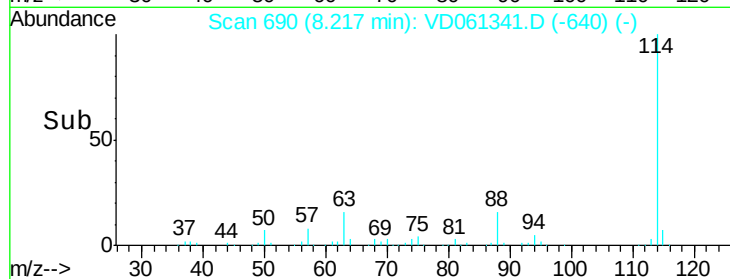
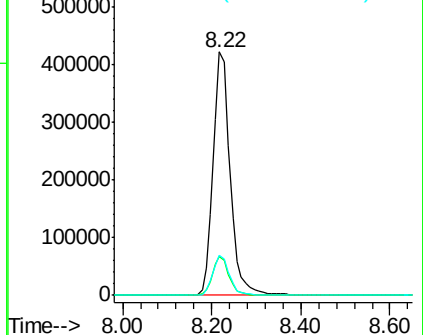
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.01 min
 Lab File: VD061341.D
 Acq: 26 Mar 2019 17:35

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022-SB430-190319-(20-22)RE

Tot Ion:114 Resp: 1119327
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 31.4
 88 16.4 0.0 33.2

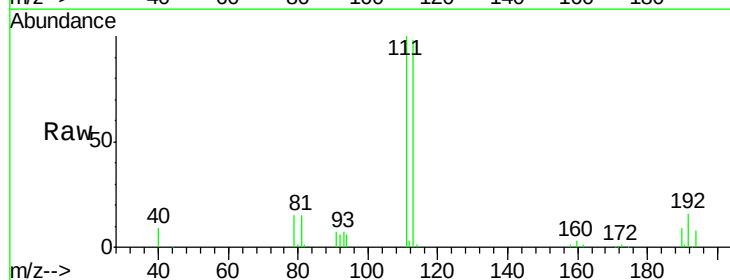


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

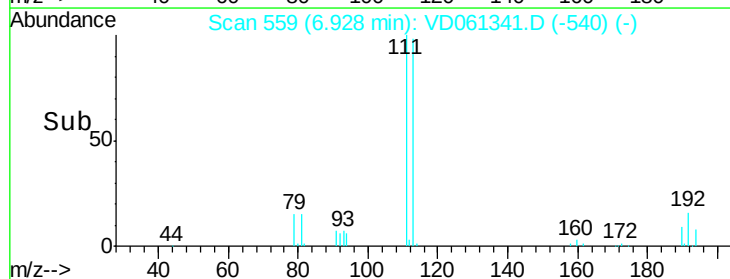
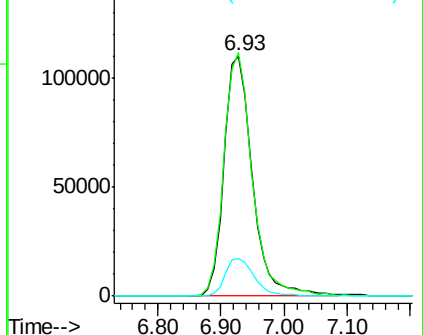


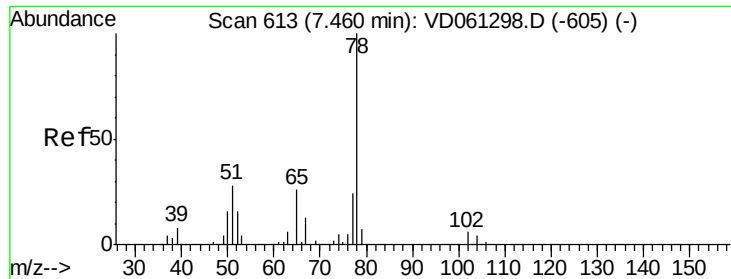
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD061341.D
 Acq: 26 Mar 2019 17:35

Tgt Ion:113 Resp: 343318
 Ion Ratio Lower Upper
 113 100
 111 101.5 83.7 125.5
 192 15.9 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





#40

Benzene

Concen: 1.058 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD061341.D

Acq: 26 Mar 2019 17:35

Instrument :

MSVOA_D

ClientSampleId :

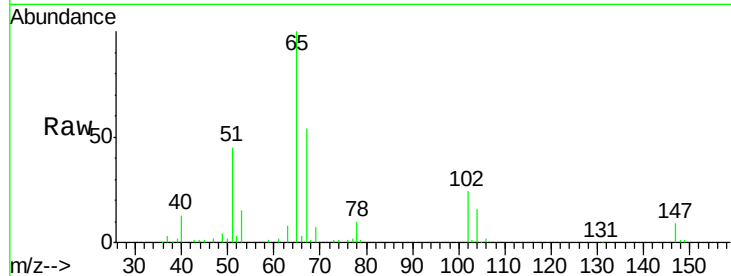
WP022-SB430-190319-(20-22)RE

Tot Ion: 78 Resp: 24064

Ion Ratio Lower Upper

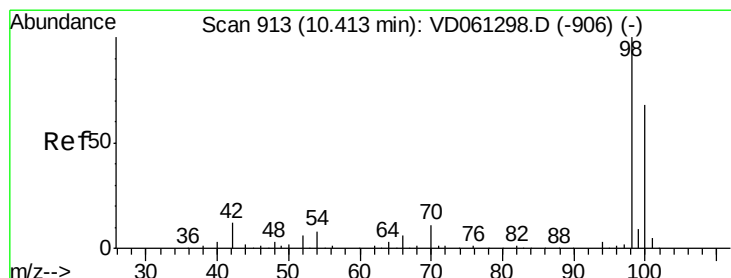
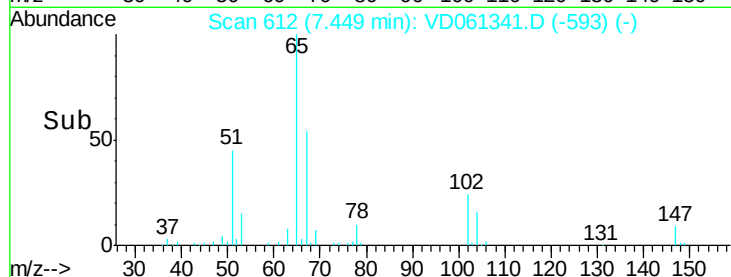
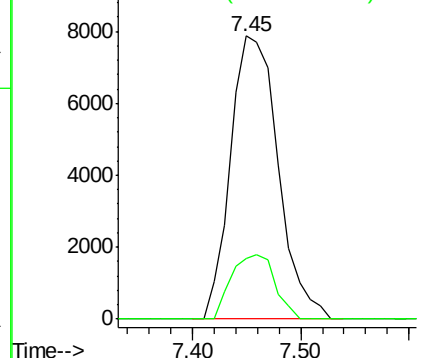
78 100

77 21.5 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD061341.D

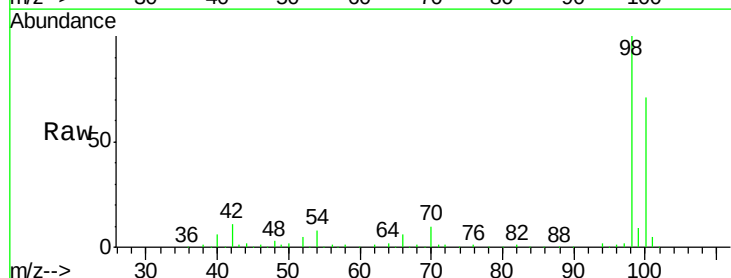
Acq: 26 Mar 2019 17:35

Tgt Ion: 98 Resp: 836071

Ion Ratio Lower Upper

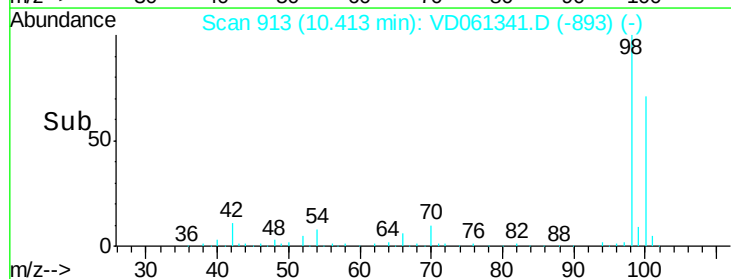
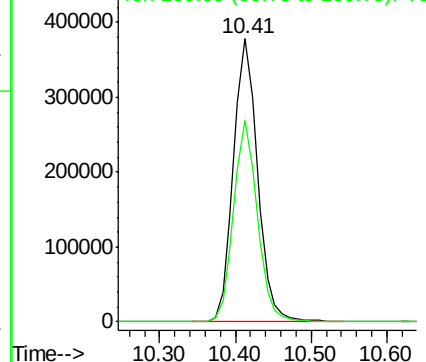
98 100

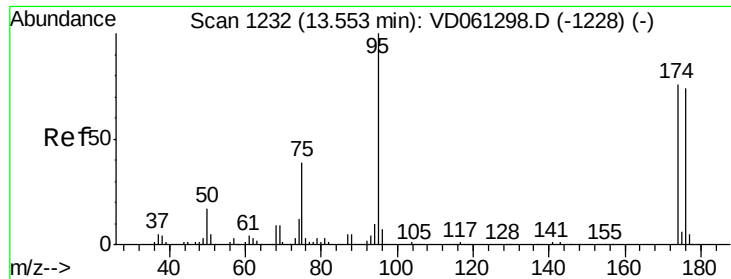
100 71.1 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

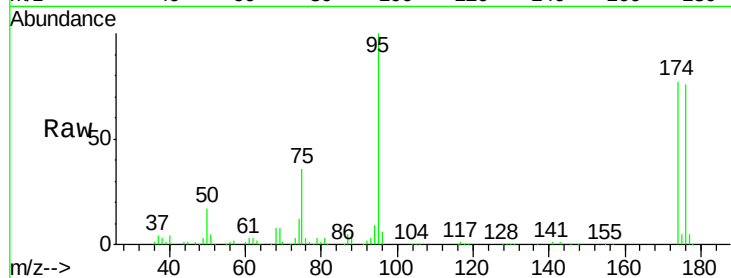




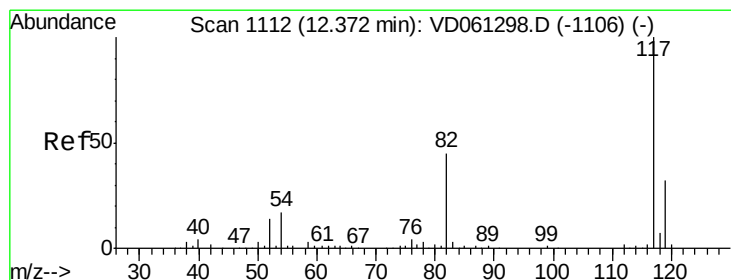
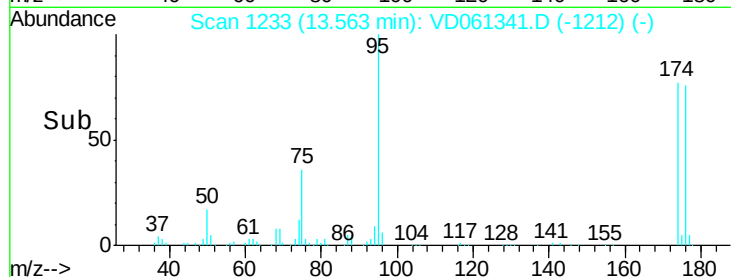
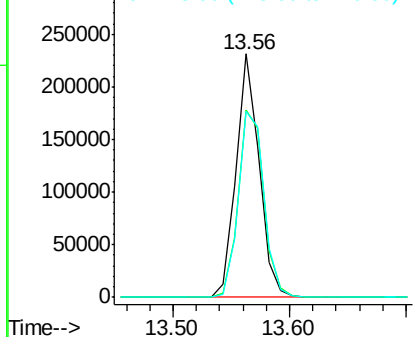
#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD061341.D
Acq: 26 Mar 2019 17:35

Instrument :
MSVOA_D
ClientSampleId :
WP022-SB430-190319-(20-22)RE

Tot Ion: 95 Resp: 316403
Ion Ratio Lower Upper
95 100
174 76.9 0.0 151.8
176 76.4 0.0 148.0

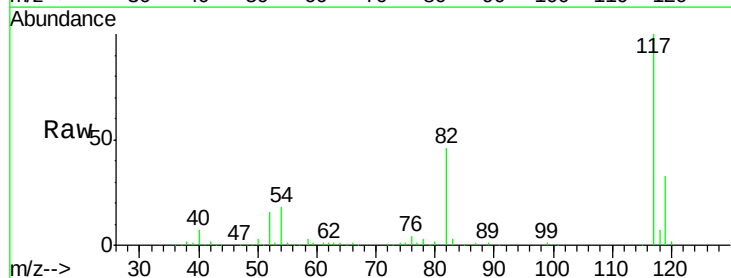


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

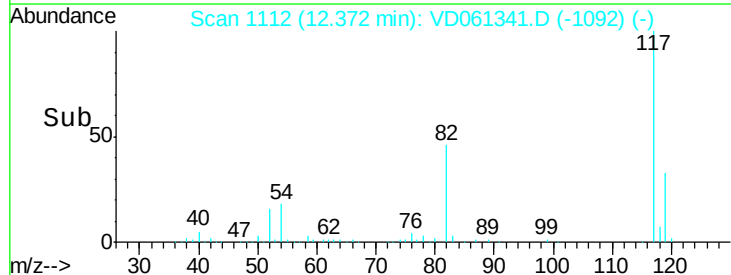
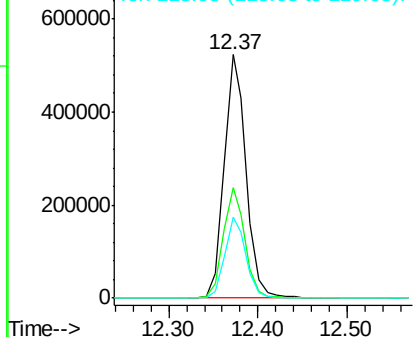


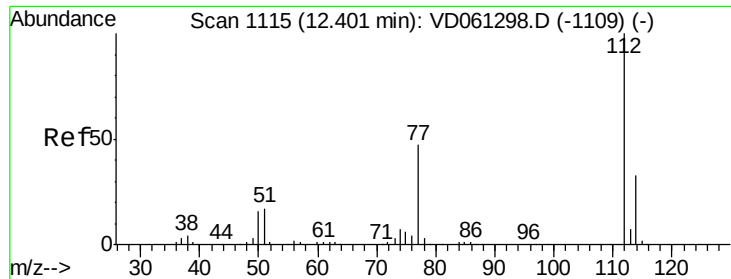
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD061341.D
Acq: 26 Mar 2019 17:35

Tgt Ion: 117 Resp: 905376
Ion Ratio Lower Upper
117 100
82 45.6 35.7 53.5
119 33.4 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

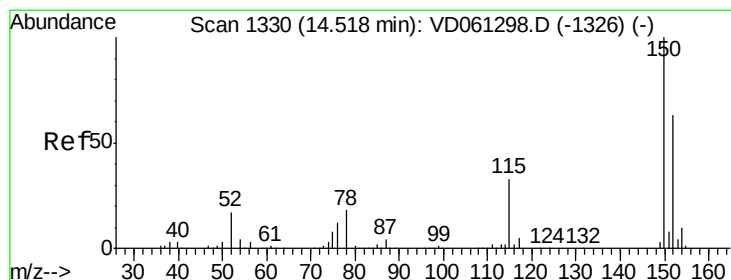
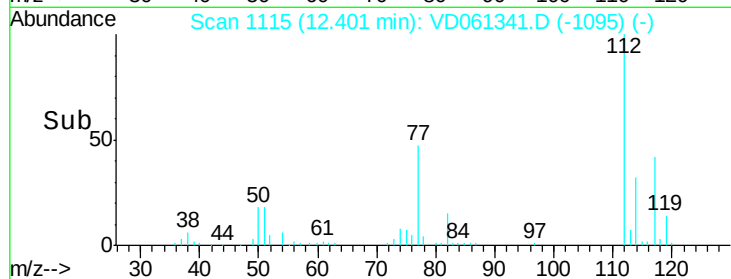
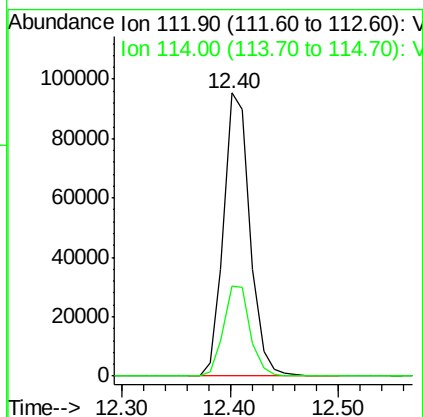
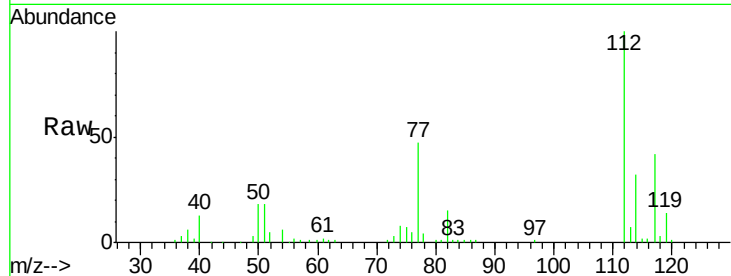




#65
Chlorobenzene
Concen: 9.723 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD061341.D
Acq: 26 Mar 2019 17:35

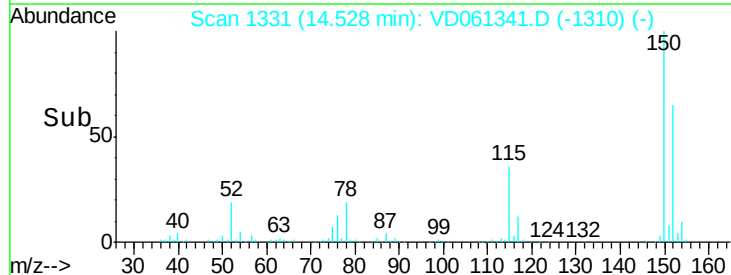
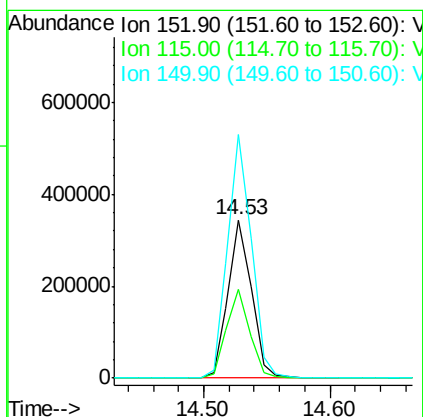
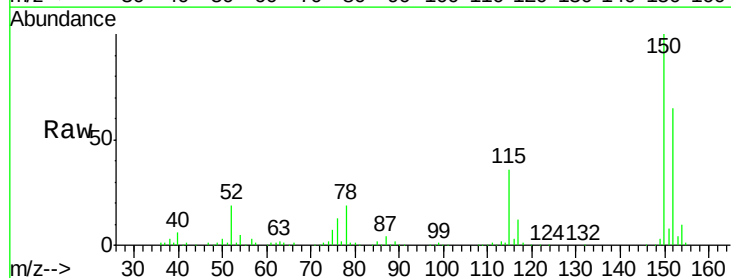
Instrument :
MSVOA_D
ClientSampleId :
WP022-SB430-190319-(20-22)RE

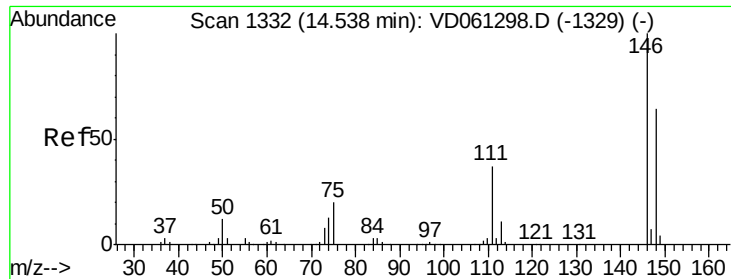
Tot Ion:112 Resp: 162145
Ion Ratio Lower Upper
112 100
114 32.0 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061341.D
Acq: 26 Mar 2019 17:35

Tgt Ion:152 Resp: 440170
Ion Ratio Lower Upper
152 100
115 56.0 29.2 87.6
150 153.8 0.0 319.6

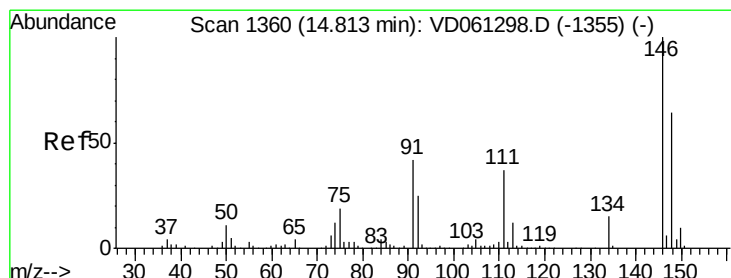
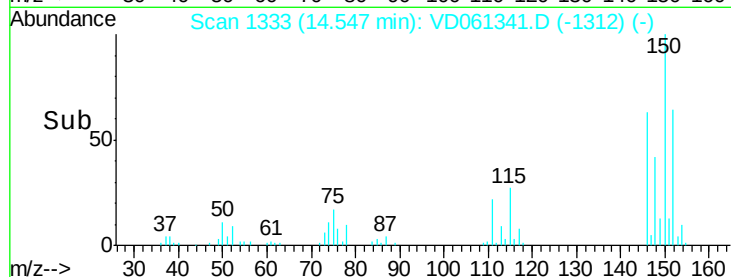
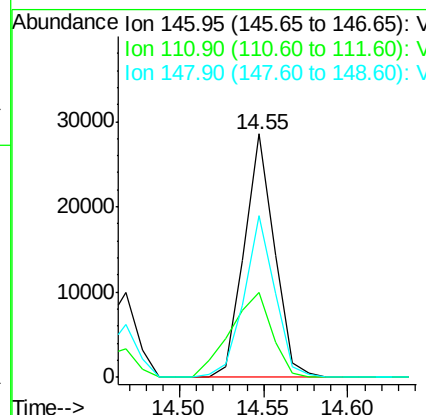
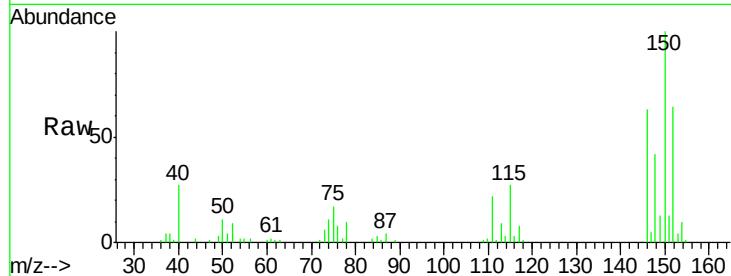




#88
 1,4-Dichlorobenzene
 Concen: 2.579 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD061341.D
 Acq: 26 Mar 2019 17:35

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022-SB430-190319-(20-22)RE

Tot Ion:146 Resp: 35418
 Ion Ratio Lower Upper
 146 100
 111 35.1 18.6 55.6
 148 66.4 31.9 95.5



#91
 1,2-Dichlorobenzene
 Concen: 6.185 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VD061341.D
 Acq: 26 Mar 2019 17:35

Tgt Ion:146 Resp: 69958
 Ion Ratio Lower Upper
 146 100
 111 35.7 18.3 54.8
 148 60.6 31.9 95.7

