

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062418\
 Data File : VD058381.D
 Acq On : 24 Jun 2018 19:39
 Operator : VA/AP
 Sample : J3671-23
 Misc : 6.22g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB486-27-29-180621

Quant Time: Jun 25 05:42:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	653784	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	858785	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	738223	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	395360	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	381523	57.77	ug/l	0.00
Spiked Amount 50.000			Recovery =	115.54%		
35) Dibromofluoromethane	5.56	113	391360	55.99	ug/l	0.00
Spiked Amount 50.000			Recovery =	111.98%		
50) Toluene-d8	8.72	98	905392	53.54	ug/l	0.00
Spiked Amount 50.000			Recovery =	107.08%		
62) 4-Bromofluorobenzene	11.94	95	400391	57.96	ug/l	0.00
Spiked Amount 50.000			Recovery =	115.92%		

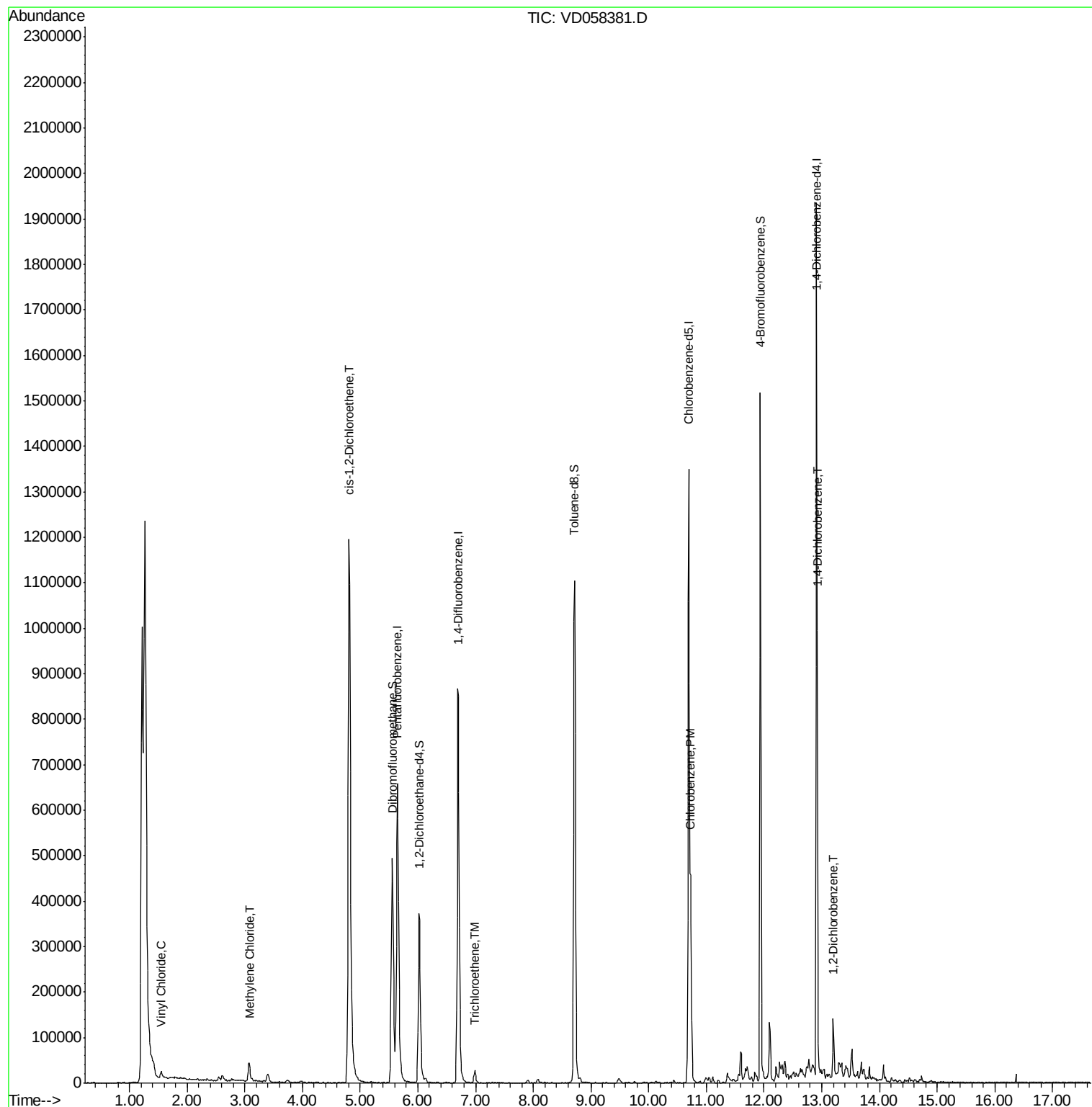
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.55	62	13838	4.04	ug/l	99
20) Methylene Chloride	3.08	84	19868	4.05	ug/l	95
27) cis-1,2-Dichloroethene	4.81	96	747293	121.82	ug/l	83
44) Trichloroethene	6.99	130	11690	1.92	ug/l	94
65) Chlorobenzene	10.73	112	204505	14.81	ug/l	96
88) 1,4-Dichlorobenzene	12.93	146	27340	2.27	ug/l	86
91) 1,2-Dichlorobenzene	13.20	146	27763	2.65	ug/l	91

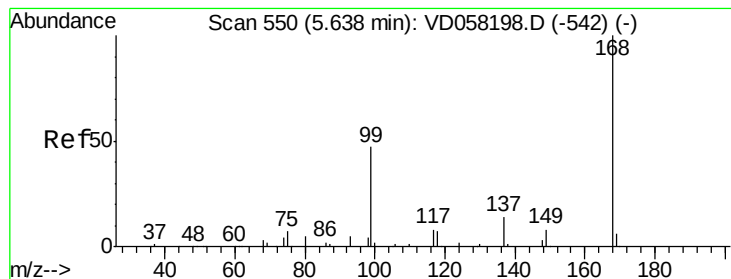
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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WP021SB486-27-29-180621

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Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD058381.D

Acq: 24 Jun 2018 19:39

Instrument :

MSVOA_D

ClientSampleId :

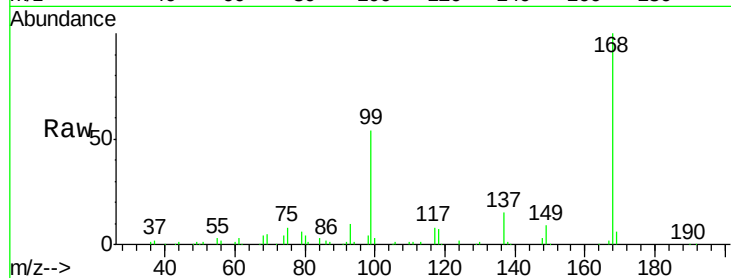
WP021SB486-27-29-180621

Tot Ion:168 Resp: 653784

Ion Ratio Lower Upper

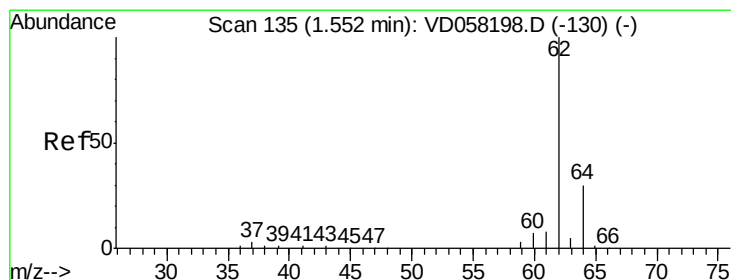
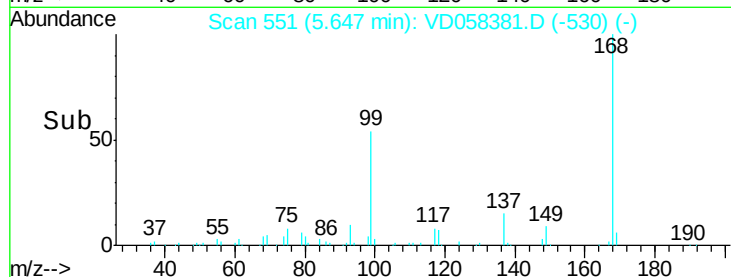
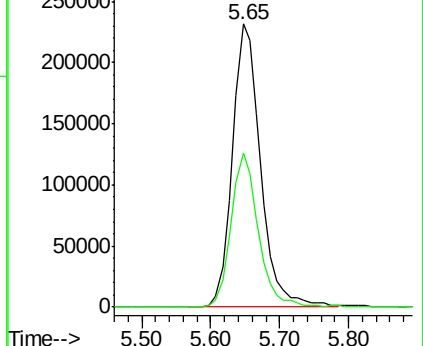
168 100

99 54.4 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#4

Vinyl Chloride

Concen: 4.04 ug/l

RT: 1.55 min Scan# 135

Delta R.T. -0.00 min

Lab File: VD058381.D

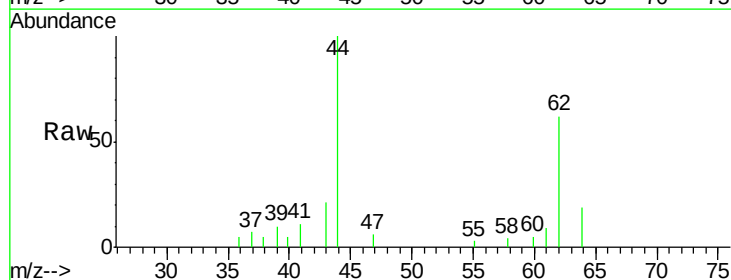
Acq: 24 Jun 2018 19:39

Tgt Ion: 62 Resp: 13838

Ion Ratio Lower Upper

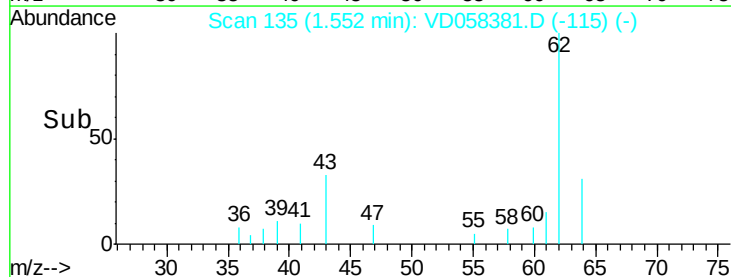
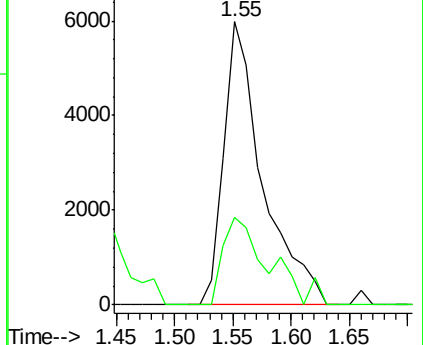
62 100

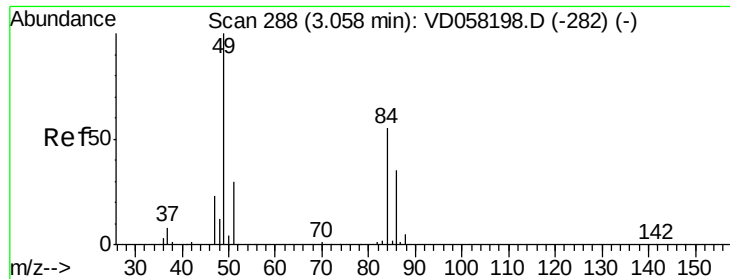
64 31.0 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

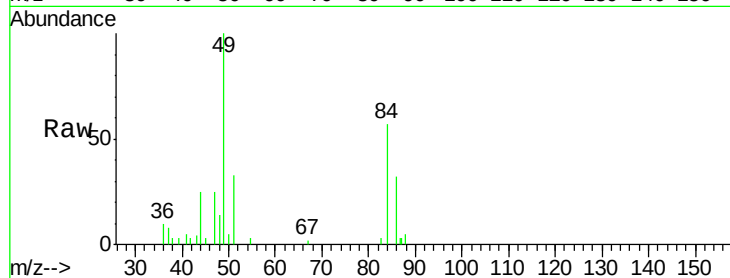




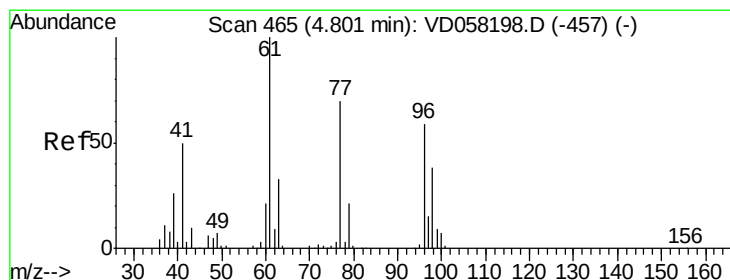
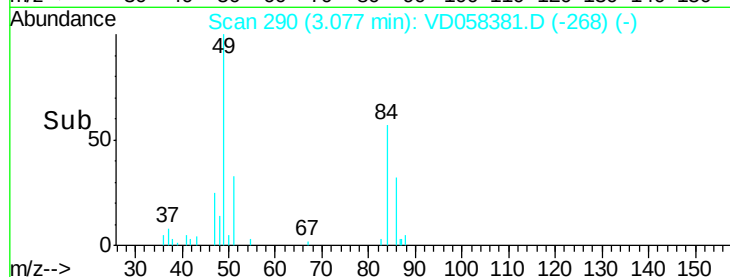
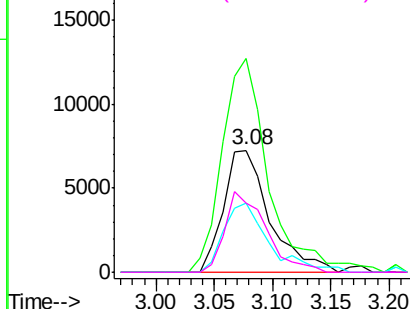
#20
Methylene Chloride
Concen: 4.05 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.02 min
Lab File: VD058381.D
Acq: 24 Jun 2018 19:39

Instrument :
MSVOA_D
ClientSampleId :
WP021SB486-27-29-180621

Tot Ion: 84 Resp: 19868
Ion Ratio Lower Upper
84 100
49 175.2 145.0 217.6
51 57.1 42.9 64.3
86 56.8 50.1 75.1

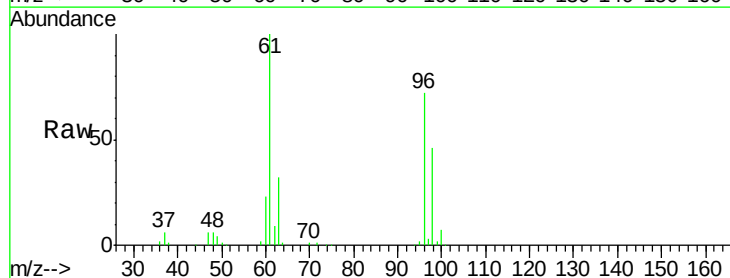


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

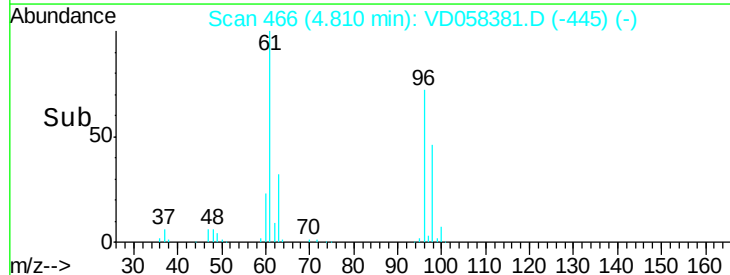
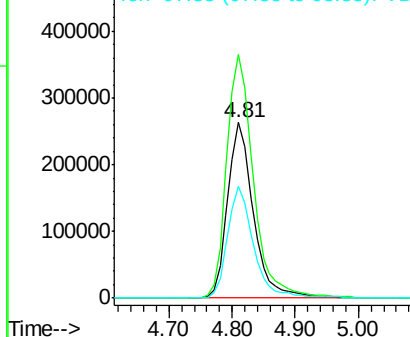


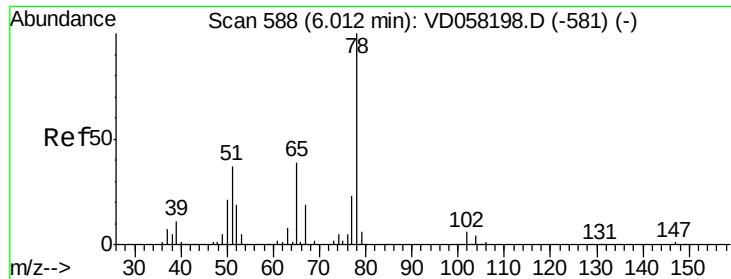
#27
cis-1,2-Dichloroethene
Concen: 121.82 ug/l
RT: 4.81 min Scan# 466
Delta R.T. 0.01 min
Lab File: VD058381.D
Acq: 24 Jun 2018 19:39

Tgt Ion: 96 Resp: 747293
Ion Ratio Lower Upper
96 100
61 138.6 0.0 338.6
98 63.7 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC

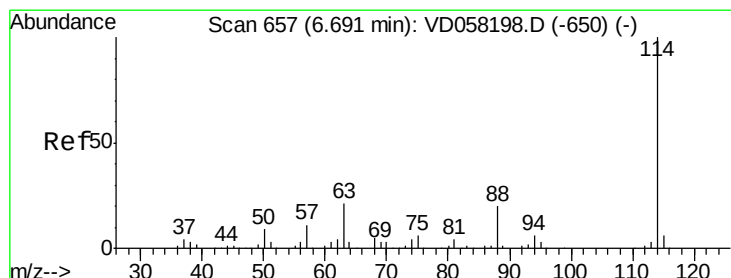
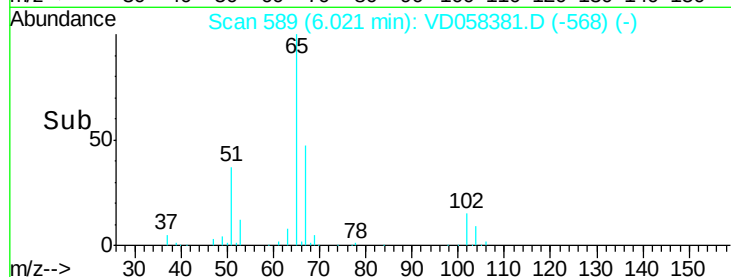
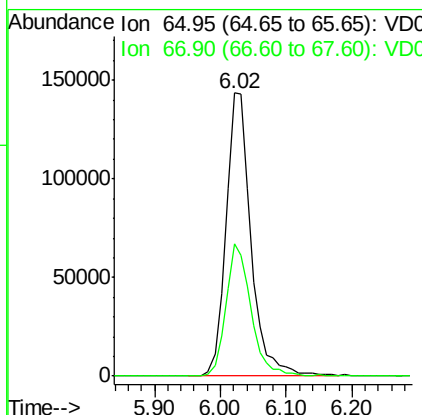
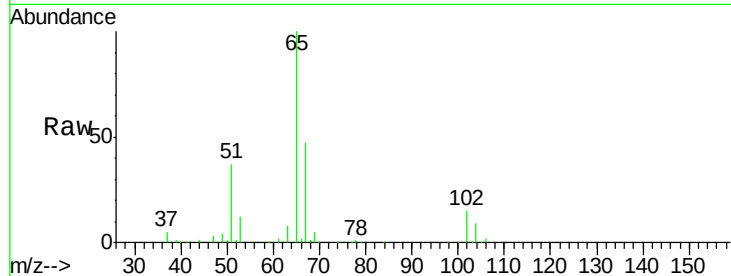




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. 0.01 min
 Lab File: VD058381.D
 Acq: 24 Jun 2018 19:39

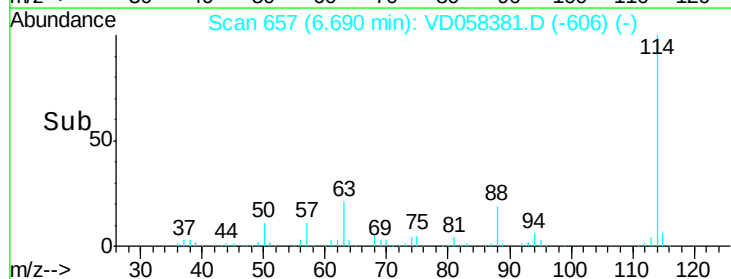
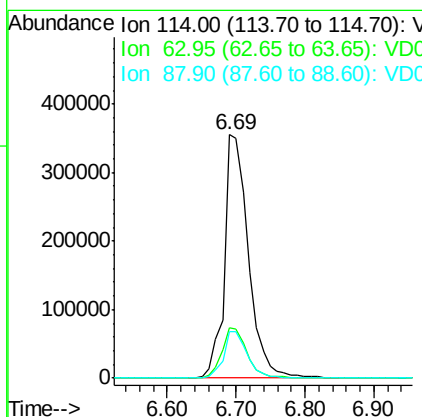
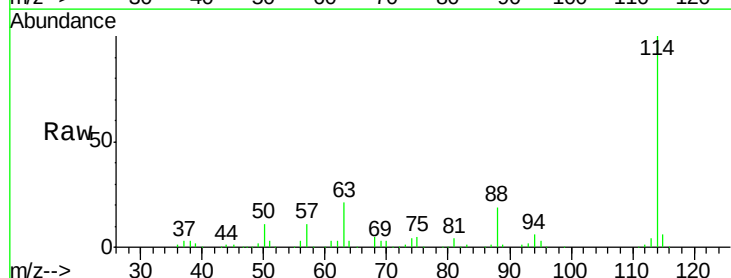
Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB486-27-29-180621

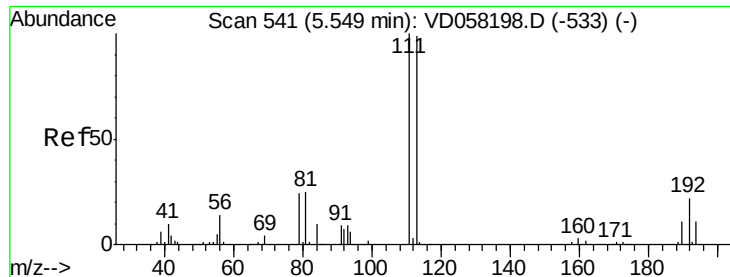
Tot Ion: 65 Resp: 381523
 Ion Ratio Lower Upper
 65 100
 67 46.7 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VD058381.D
 Acq: 24 Jun 2018 19:39

Tgt Ion: 114 Resp: 858785
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.6
 88 19.1 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.01 min

Lab File: VD058381.D

Acq: 24 Jun 2018 19:39

Instrument :

MSVOA_D

ClientSampleId :

WP021SB486-27-29-180621

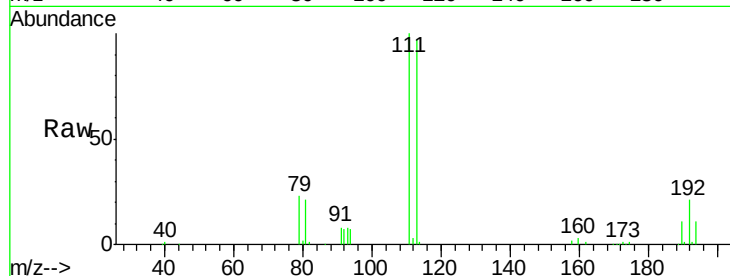
Tot Ion:113 Resp: 391360

Ion Ratio Lower Upper

113 100

111 103.4 80.6 121.0

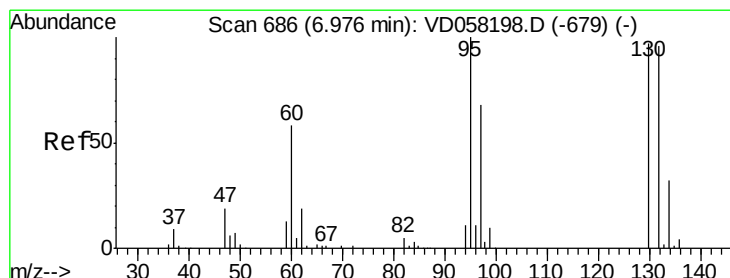
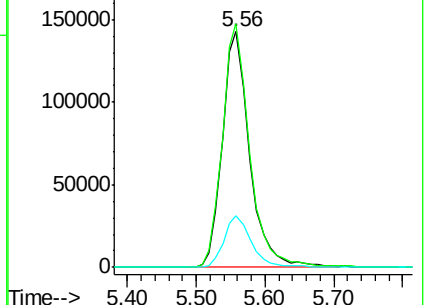
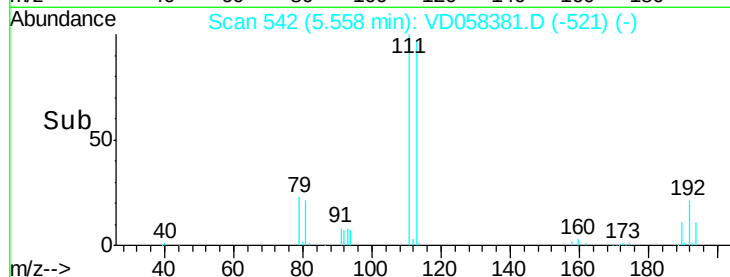
192 21.9 17.8 26.6



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



#44

Trichloroethene

Concen: 1.92 ug/l

RT: 6.99 min Scan# 687

Delta R.T. 0.01 min

Lab File: VD058381.D

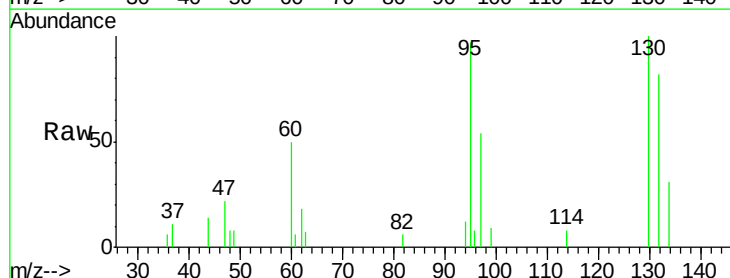
Acq: 24 Jun 2018 19:39

Tgt Ion:130 Resp: 11690

Ion Ratio Lower Upper

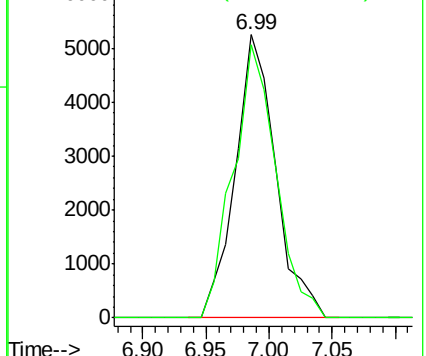
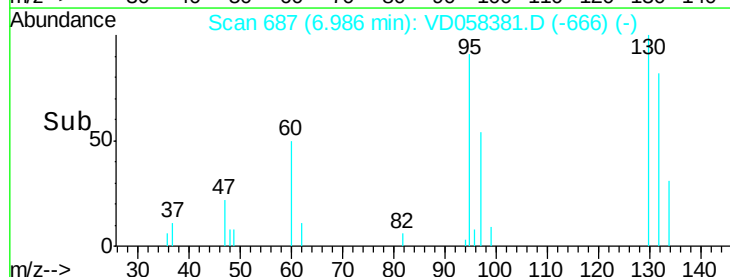
130 100

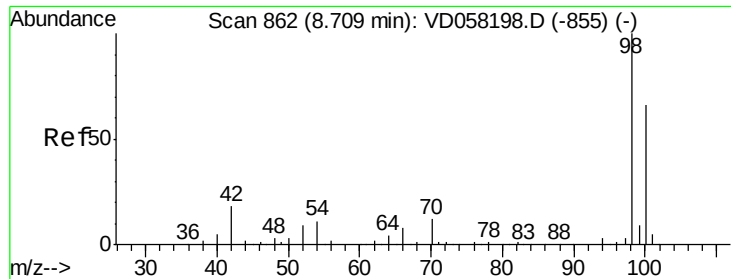
95 96.6 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD058381.D

Acq: 24 Jun 2018 19:39

Instrument :

MSVOA_D

ClientSampleId :

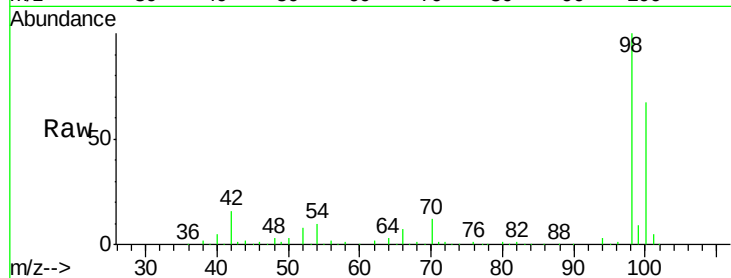
WP021SB486-27-29-180621

Tot Ion: 98 Resp: 905392

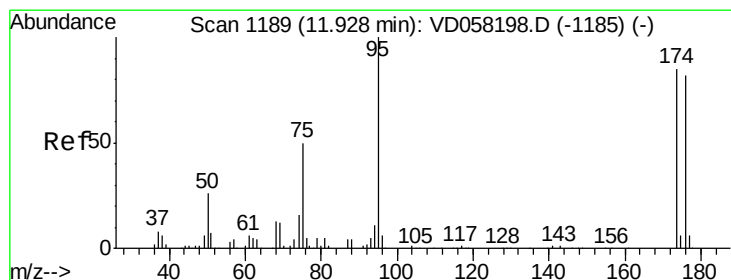
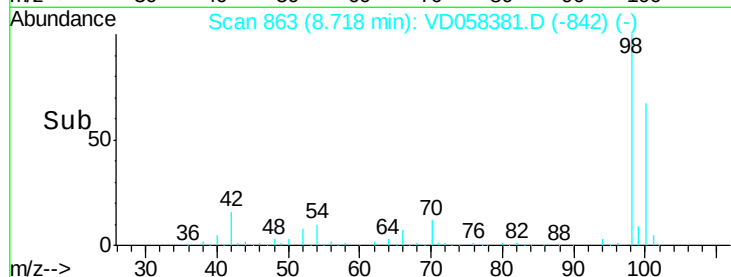
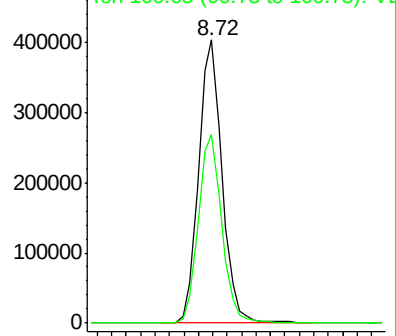
Ion Ratio Lower Upper

98 100

100 66.8 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VD058198.D (-855) (-)



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD058381.D

Acq: 24 Jun 2018 19:39

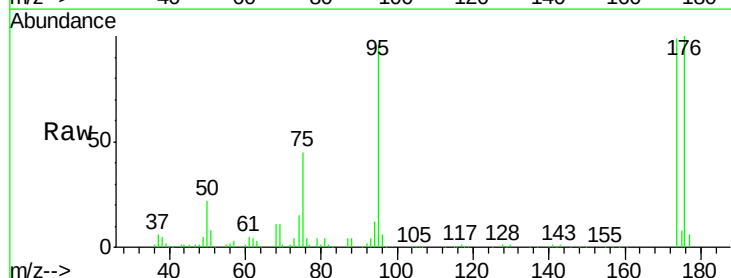
Tgt Ion: 95 Resp: 400391

Ion Ratio Lower Upper

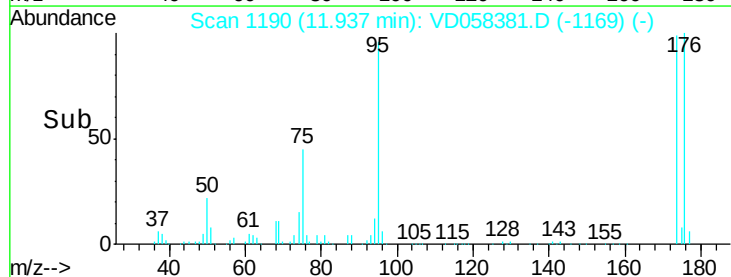
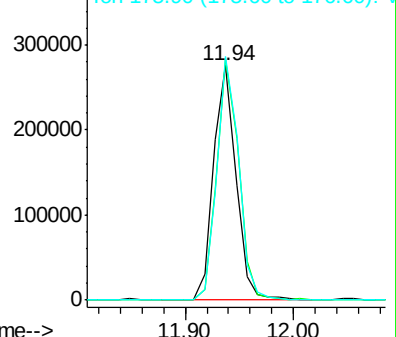
95 100

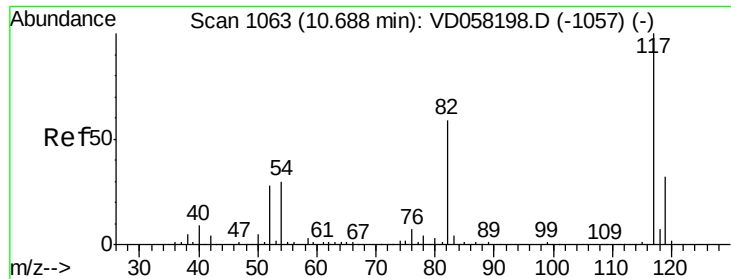
174 103.2 0.0 170.2

176 104.0 0.0 164.6



Abundance Ion 95.00 (94.70 to 95.70): VD058198.D (-1185) (-)

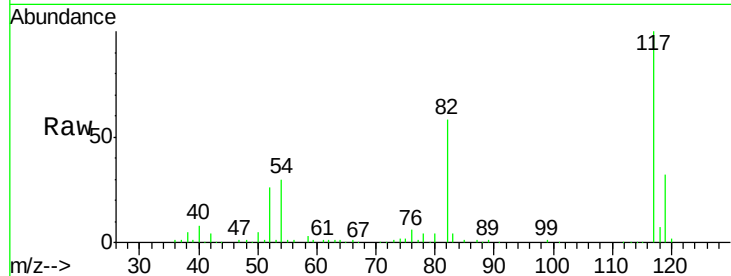




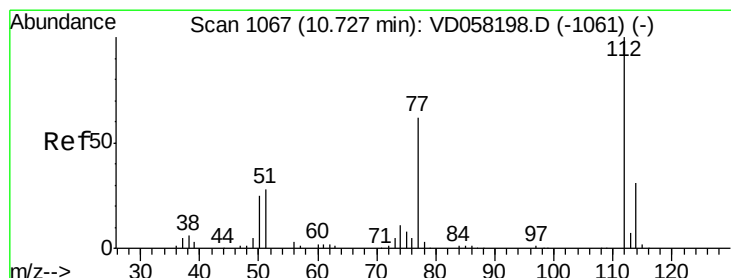
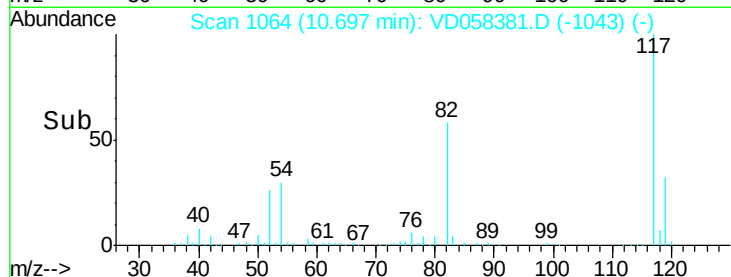
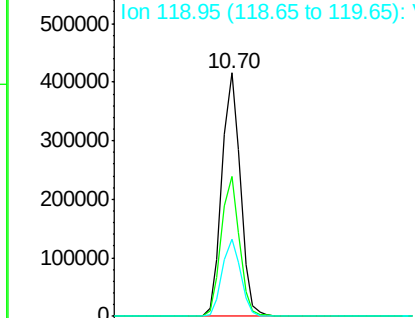
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058381.D
Acq: 24 Jun 2018 19:39

Instrument :
MSVOA_D
ClientSampleId :
WP021SB486-27-29-180621

Tot Ion:117 Resp: 738223
Ion Ratio Lower Upper
117 100
82 57.6 47.0 70.6
119 31.8 25.3 37.9

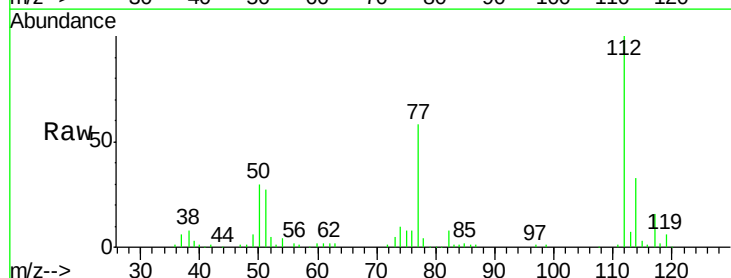


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

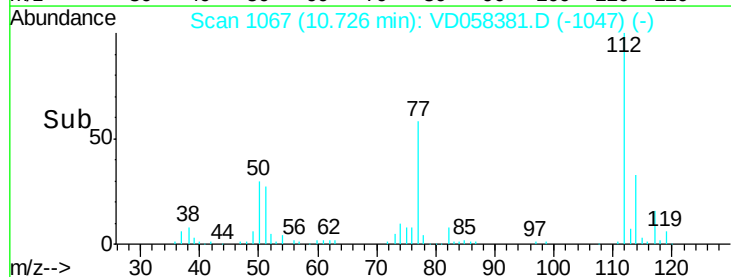
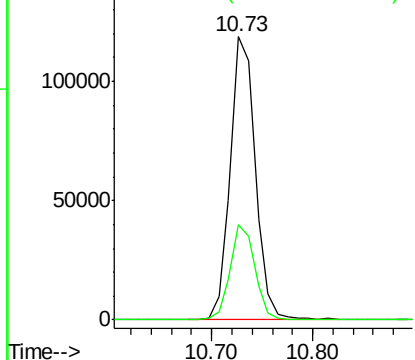


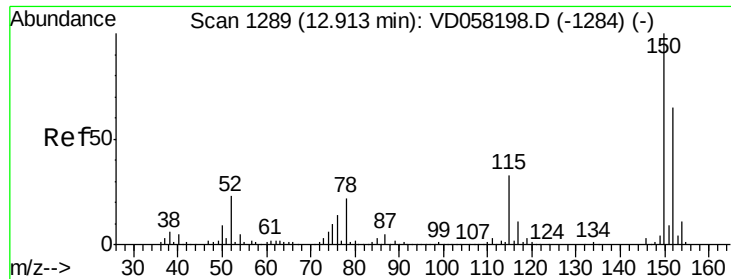
#65
Chlorobenzene
Concen: 14.81 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VD058381.D
Acq: 24 Jun 2018 19:39

Tgt Ion:112 Resp: 204505
Ion Ratio Lower Upper
112 100
114 33.4 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VD058381.D

Acq: 24 Jun 2018 19:39

Instrument :

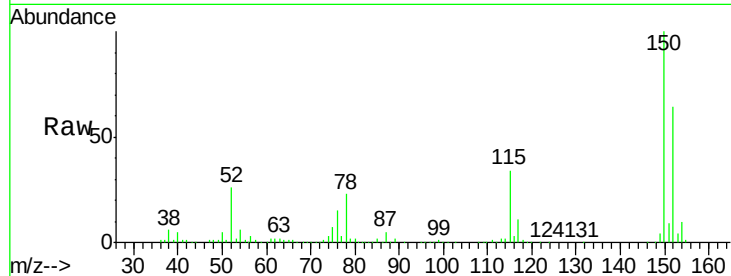
MSVOA_D

ClientSampleId :

WP021SB486-27-29-180621

Tot Ion:152 Resp: 395360

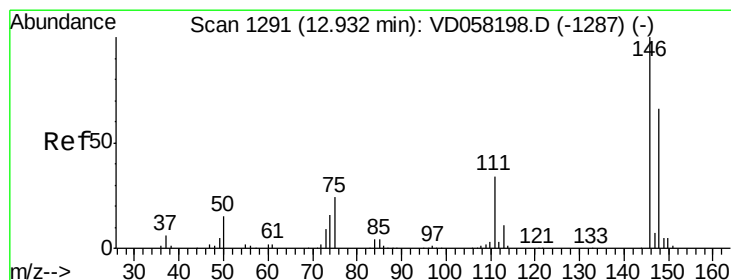
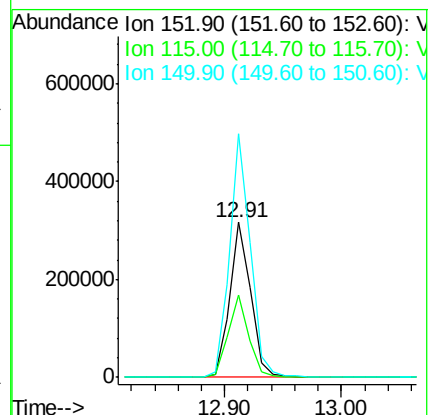
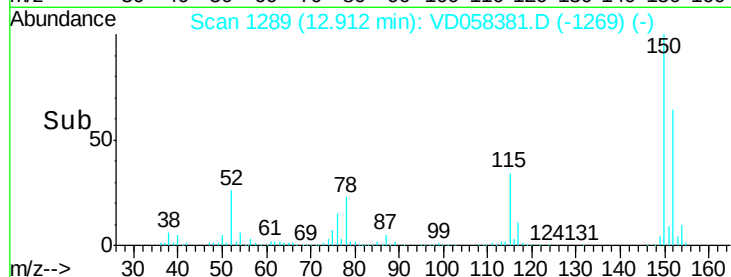
Ion	Ratio	Lower	Upper
152	100		
115	53.1	25.1	75.3
150	156.9	0.0	308.8



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



#88

1,4-Dichlorobenzene

Concen: 2.27 ug/l

RT: 12.93 min Scan# 1291

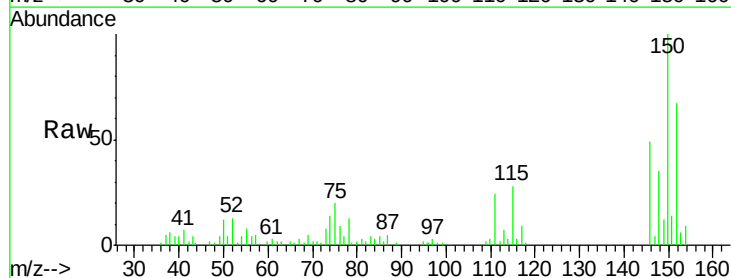
Delta R.T. -0.00 min

Lab File: VD058381.D

Acq: 24 Jun 2018 19:39

Tgt Ion:146 Resp: 27340

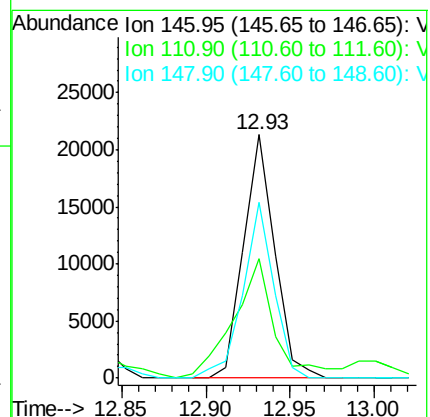
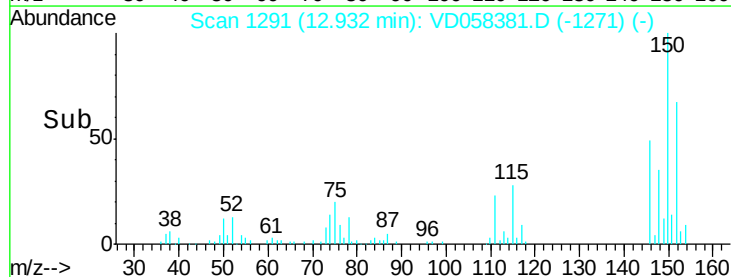
Ion	Ratio	Lower	Upper
146	100		
111	49.2	17.2	51.5
148	72.2	33.1	99.3

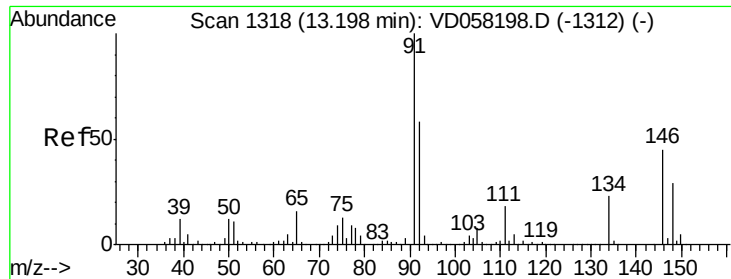


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

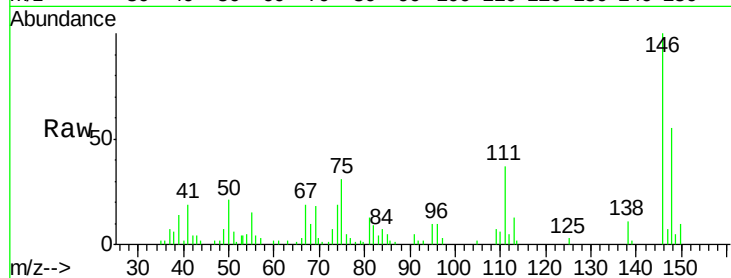




#91
 1,2-Dichlorobenzene
 Concen: 2.65 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD058381.D
 Acq: 24 Jun 2018 19:39

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB486-27-29-180621

Tot Ion:146 Resp: 27763
 Ion Ratio Lower Upper
 146 100
 111 36.6 19.6 58.7
 148 54.6 32.0 96.2



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

