

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062418\
 Data File : VD058370.D
 Acq On : 24 Jun 2018 14:29
 Operator : VA/AP
 Sample : J3671-12
 Misc : 5.09g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB478-31-33-180621

Manual Integrations
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Quant Time: Jun 25 04:36:54 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	5.66	168	792468	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.70	114	1082363	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	865460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	467553	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	436491	54.53	ug/l	0.02
Spiked Amount 50.000			Recovery	=	109.06%	
35) Dibromofluoromethane	5.56	113	452085	51.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.64%	
50) Toluene-d8	8.72	98	1012650	47.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.02%	
62) 4-Bromofluorobenzene	11.94	95	437349	50.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.56	62	321162	77.36	ug/l	98
12) 1,1-Dichloroethene	2.56	96	18334m	6.73	ug/l	
16) Acetone	2.61	43	56626	51.73	ug/l #	90
20) Methylene Chloride	3.08	84	27027	5.19	ug/l #	87
21) trans-1,2-Dichloroethene	3.39	96	21202	7.13	ug/l	90
27) cis-1,2-Dichloroethene	4.82	96	8196240	1102.30	ug/l	95
30) Chloroform	5.33	83	21294	1.49	ug/l #	83
40) Benzene	6.03	78	52411	2.05	ug/l	94
44) Trichloroethene	7.04	130	10242509	1337.32	ug/l	91
64) Tetrachloroethene	9.53	164	250898	34.45	ug/l	97
65) Chlorobenzene	10.73	112	385596	23.82	ug/l	100
87) 1,3-Dichlorobenzene	12.84	146	17867	1.23	ug/l	95
88) 1,4-Dichlorobenzene	12.93	146	52800	3.71	ug/l	91
91) 1,2-Dichlorobenzene	13.20	146	137036	11.06	ug/l	97
95) Naphthalene	14.52	128	29098	1.86	ug/l	99

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

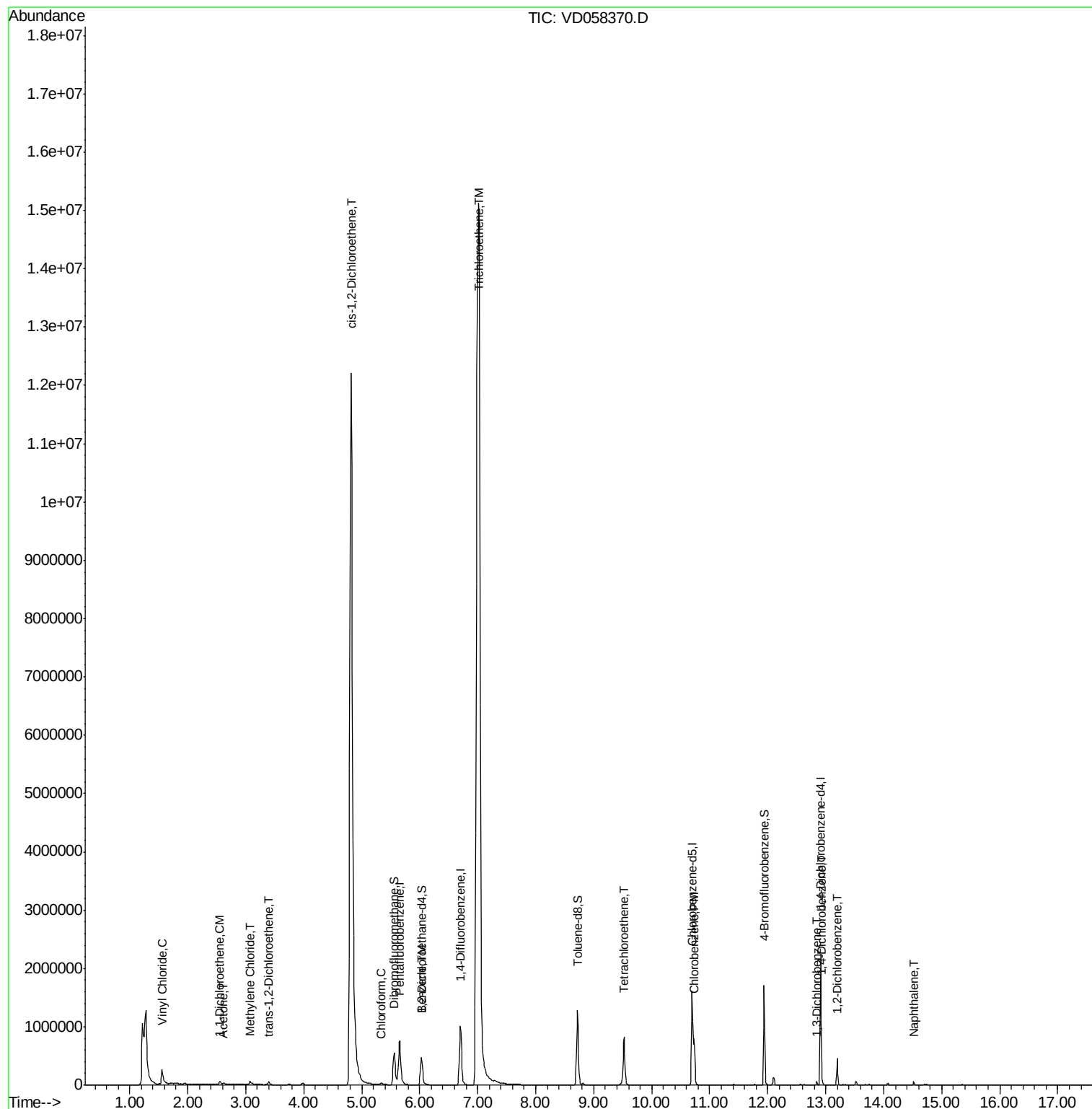
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062418\
Data File : VD058370.D
Acq On : 24 Jun 2018 14:29
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Misc : 5.09g/5ml/MSVOA D/SOIL
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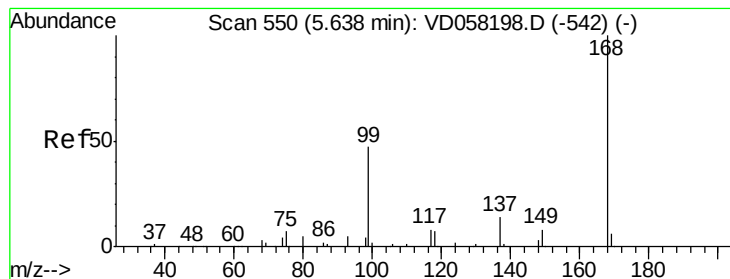
Instrument :
MSVOA_D
ClientSampleId :
WP021SB478-31-33-180621

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Quant Time: Jun 25 04:36:54 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
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: 5.66 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD058370.D

Acq: 24 Jun 2018 14:29

Instrument :

MSVOA_D

ClientSampleId :

WP021SB478-31-33-180621

Tot Ion:168 Resp: 792468

Ion Ratio Lower Upper

168 100

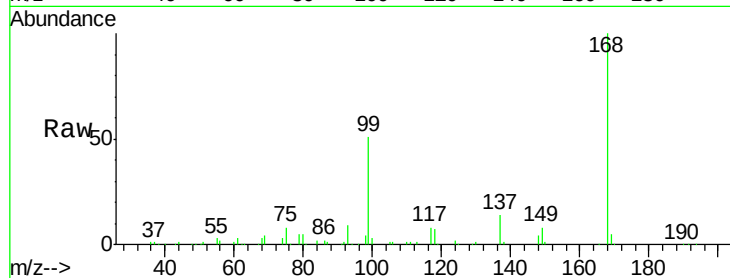
99 51.2 41.1 61.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.66

300000

250000

200000

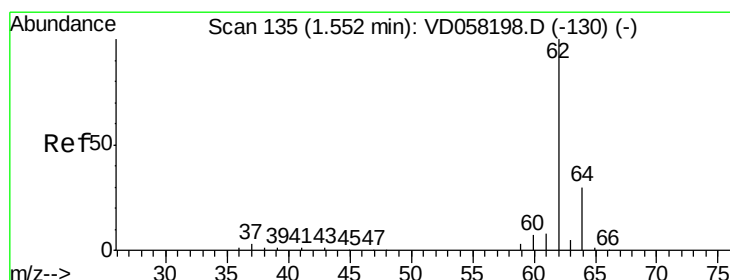
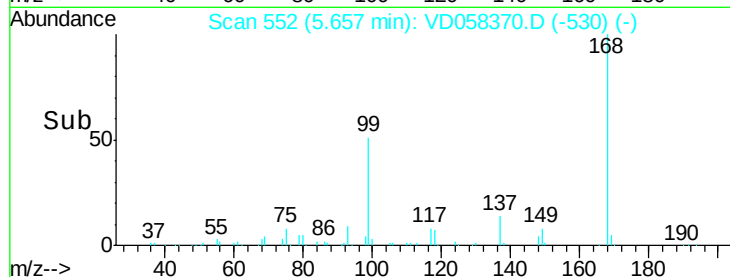
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 77.36 ug/l

RT: 1.56 min Scan# 136

Delta R.T. 0.01 min

Lab File: VD058370.D

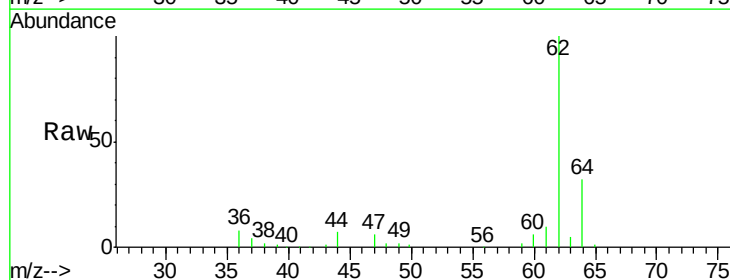
Acq: 24 Jun 2018 14:29

Tgt Ion: 62 Resp: 321162

Ion Ratio Lower Upper

62 100

64 31.5 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.56

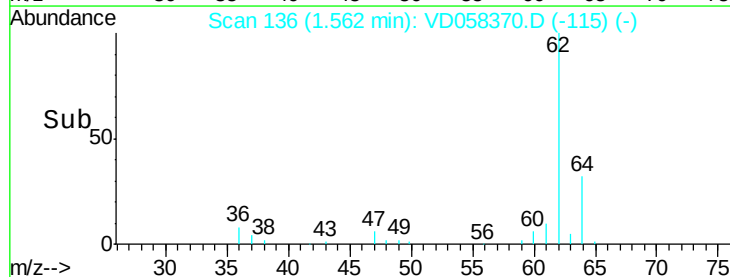
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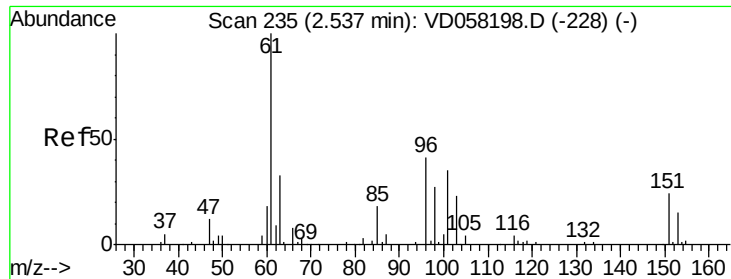
100000

50000

0

Time--> 1.50 1.60 1.70





#12

1,1-Dichloroethene

Concen: 6.73 ug/l m

RT: 2.56 min Scan# 237

Delta R.T. 0.02 min

Lab File: VD058370.D

Acq: 24 Jun 2018 14:29

Instrument :

MSVOA_D

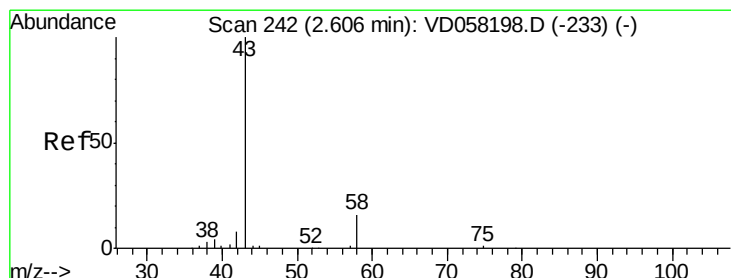
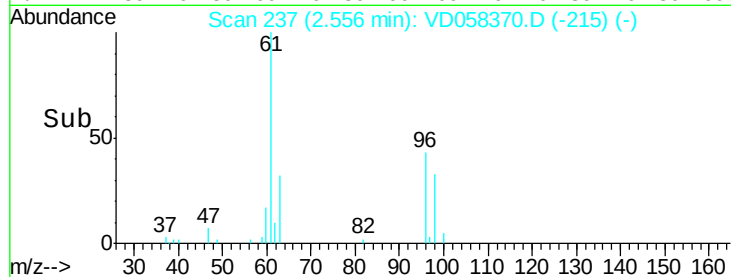
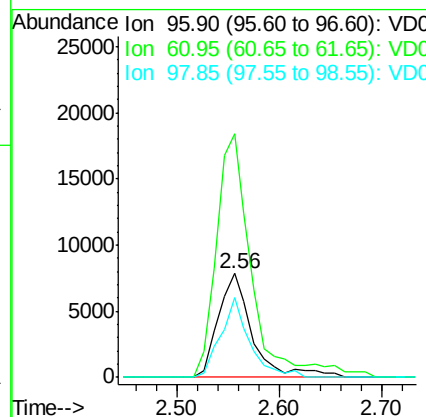
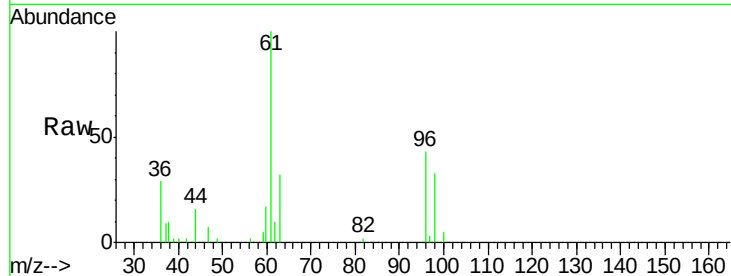
ClientSampleId :

WP021SB478-31-33-180621

Tot Ion:	96	Resp:	18334
Ion	Ratio	Lower	Upper
96	100		
61	234.7	193.9	290.9
98	77.5	51.7	77.5

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#16

Acetone

Concen: 51.73 ug/l

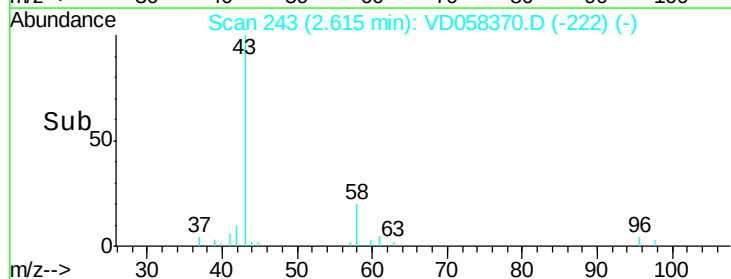
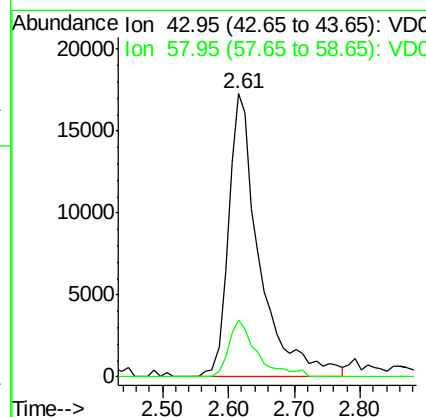
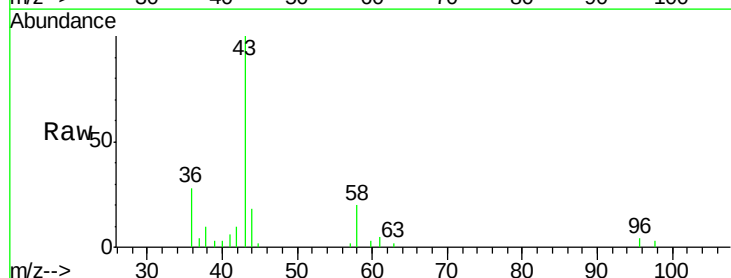
RT: 2.61 min Scan# 243

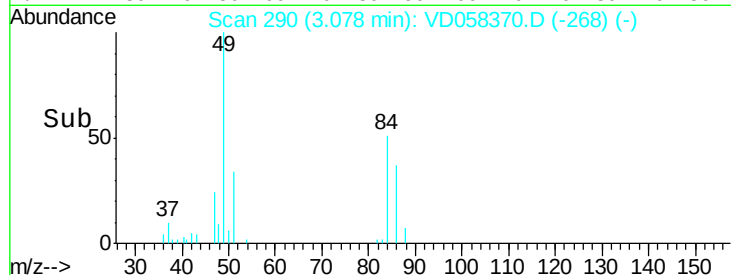
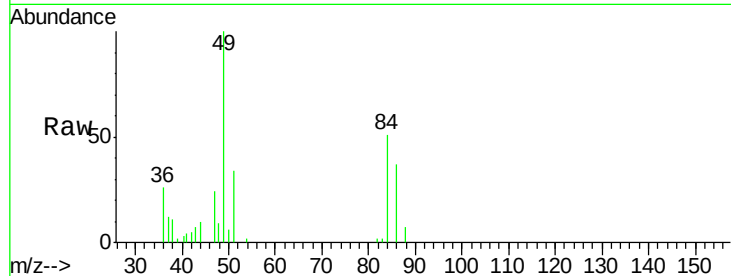
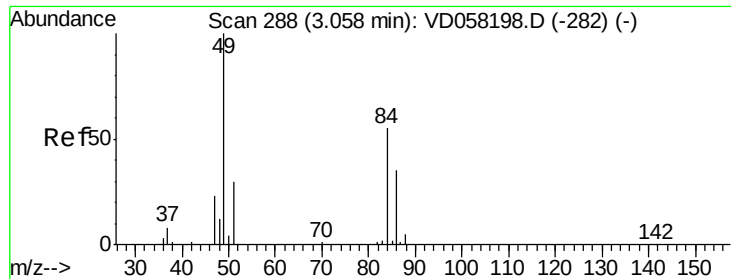
Delta R.T. 0.01 min

Lab File: VD058370.D

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Tgt Ion:	43	Resp:	56626
Ion	Ratio	Lower	Upper
43	100		
58	20.0	12.7	19.1#





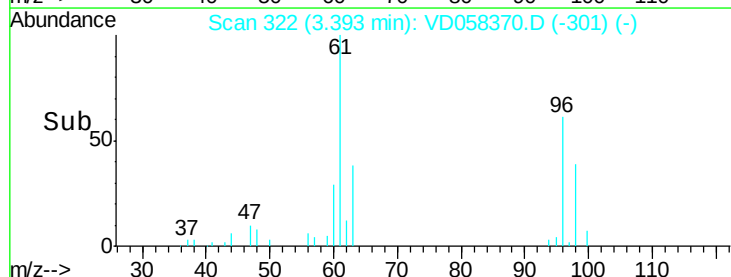
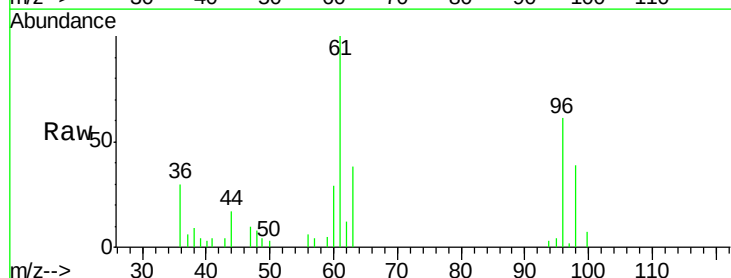
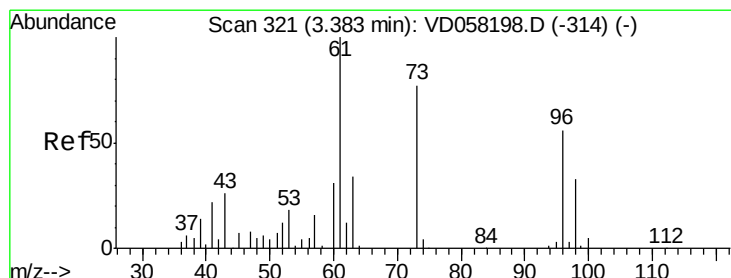
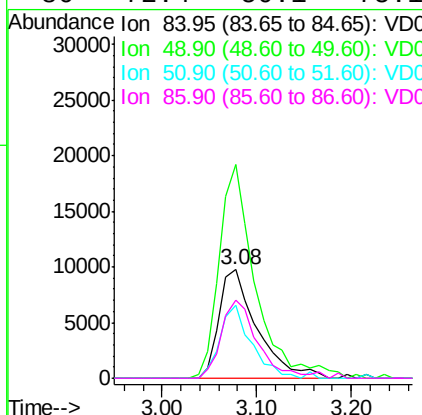
#20
Methylene Chloride
Concen: 5.19 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.02 min
Lab File: VD058370.D
Acq: 24 Jun 2018 14:29

Tot Ion	Ratio	Lower	Upper
84	100		
49	197.3	145.0	217.6
51	67.4	42.9	64.3
86	72.4	50.1	75.1

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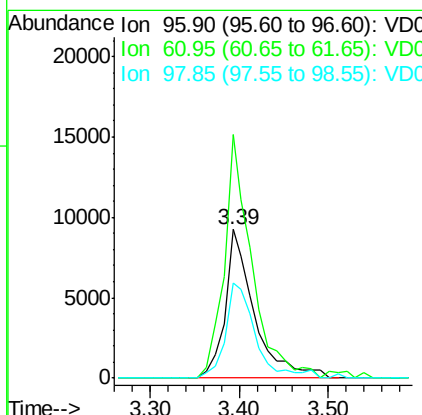
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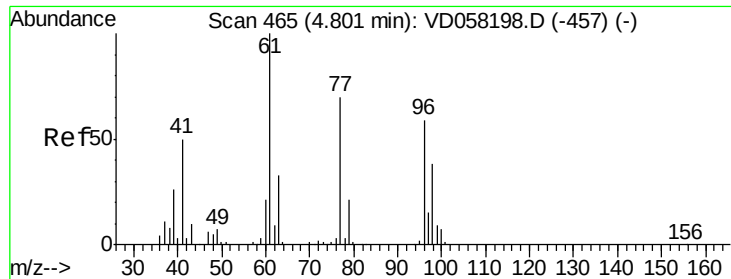
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#21
trans-1,2-Dichloroethene
Concen: 7.13 ug/l
RT: 3.39 min Scan# 322
Delta R.T. 0.01 min
Lab File: VD058370.D
Acq: 24 Jun 2018 14:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.6	143.8	215.6
98	64.0	48.0	72.0





#27

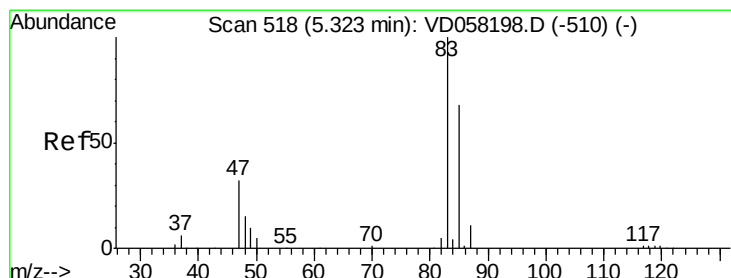
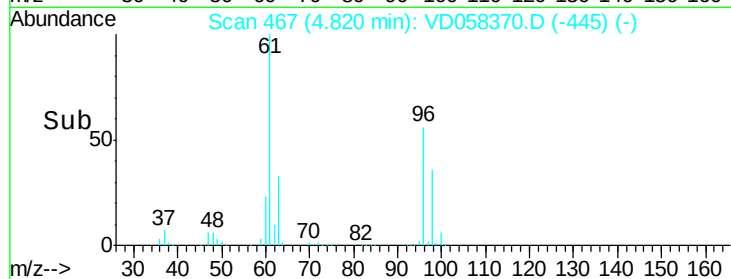
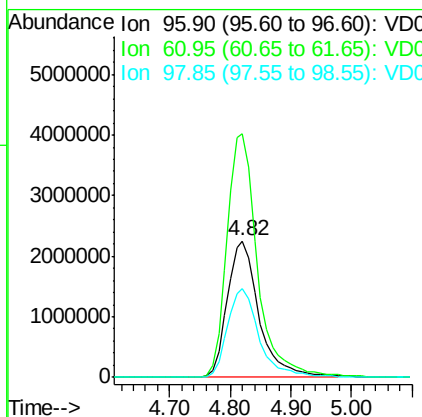
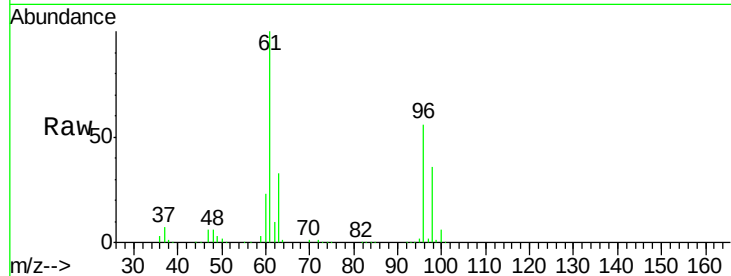
cis-1,2-Dichloroethene
 Concen: 1102.30 ug/l
 RT: 4.82 min Scan# 467
 Delta R.T. 0.02 min
 Lab File: VD058370.D
 Acq: 24 Jun 2018 14:29

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB478-31-33-180621

Tot Ion	Ratio	Lower	Upper
96	100		
61	178.6	0.0	338.6
98	65.0	0.0	130.2

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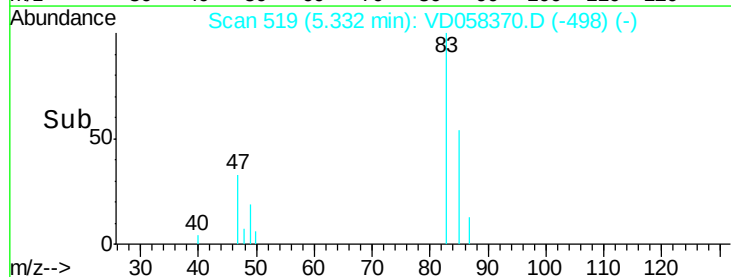
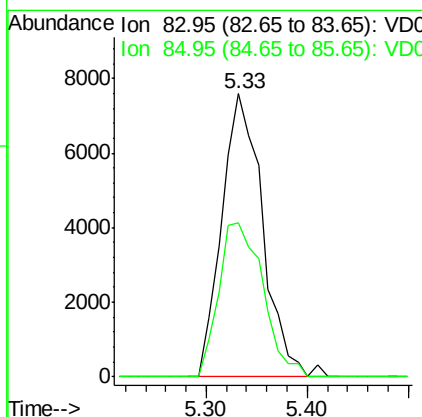
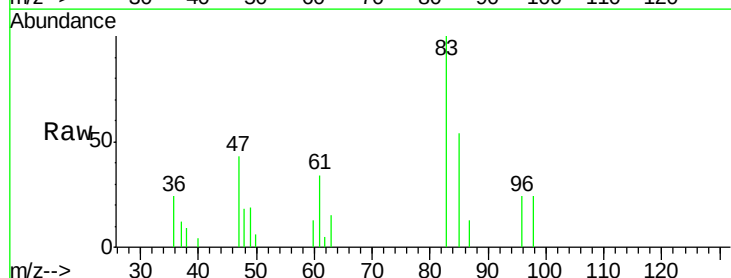
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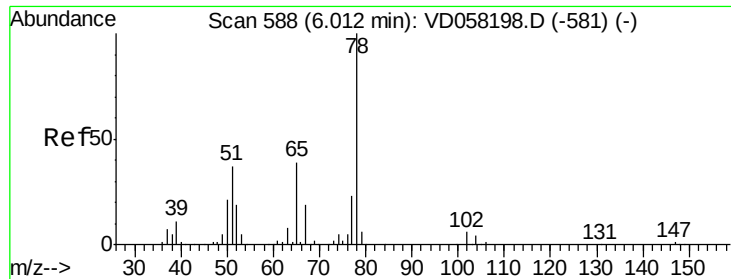


#30

Chloroform
 Concen: 1.49 ug/l
 RT: 5.33 min Scan# 519
 Delta R.T. 0.01 min
 Lab File: VD058370.D
 Acq: 24 Jun 2018 14:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	54.4	54.8	82.2#





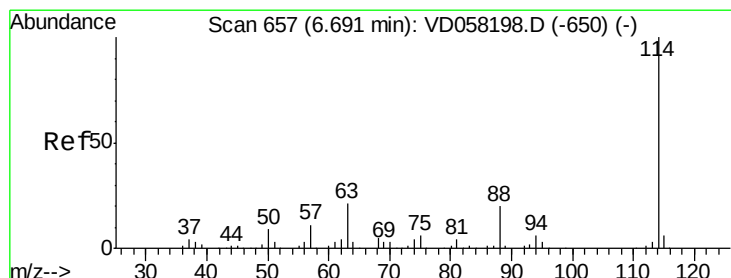
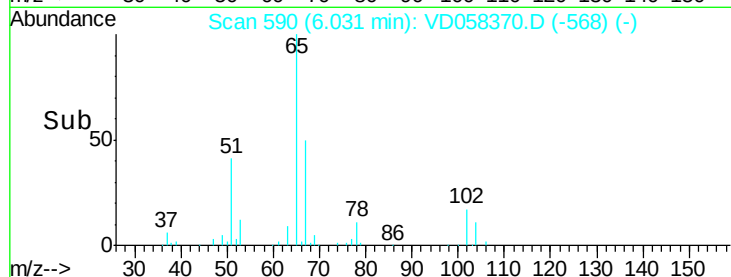
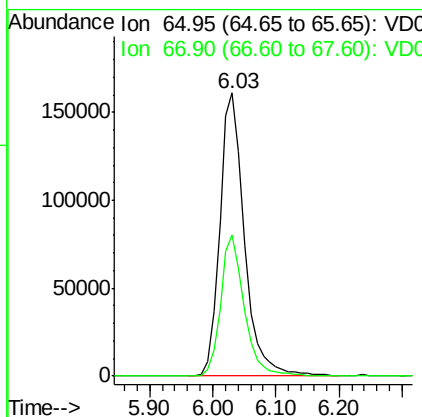
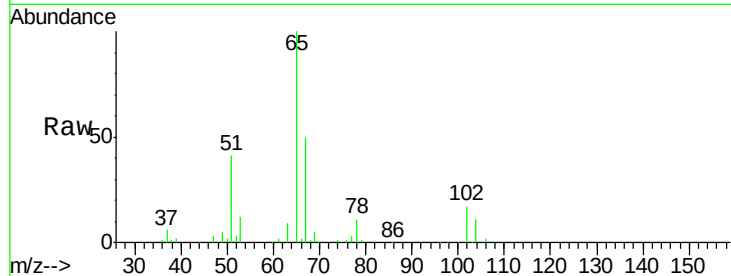
#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 6.03 min Scan# 590
 Delta R.T. 0.02 min
 Lab File: VD058370.D
 Acq: 24 Jun 2018 14:29

Instrument :
 MSVOA_D
 ClientSampleId :
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Tot Ion: 65 Resp: 436491
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 97.8

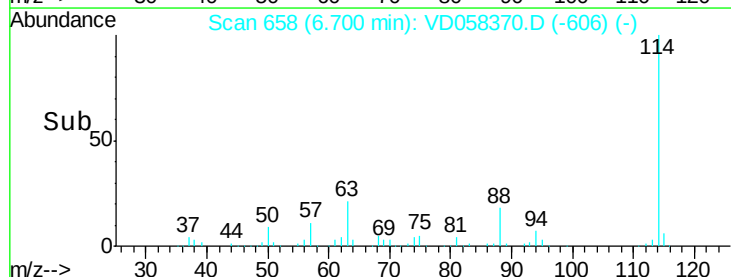
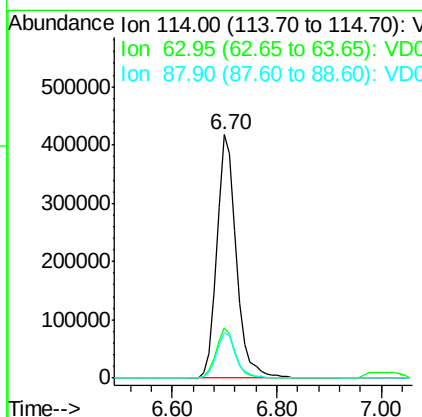
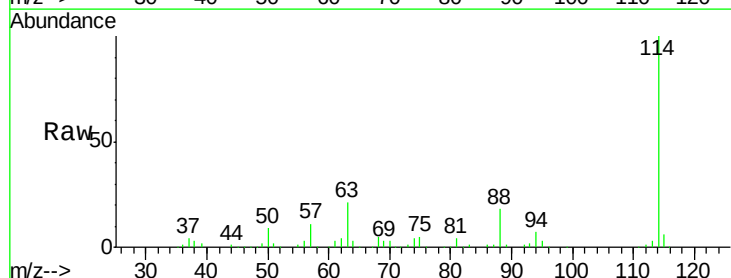
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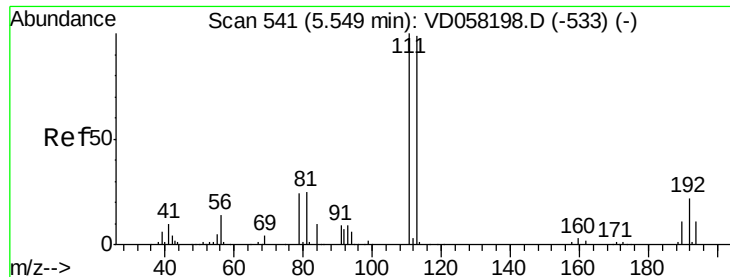
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VD058370.D
 Acq: 24 Jun 2018 14:29

Tgt Ion: 114 Resp: 1082363
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 42.6
 88 18.5 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: VD058370.D

Acq: 24 Jun 2018 14:29

Instrument :

MSVOA_D

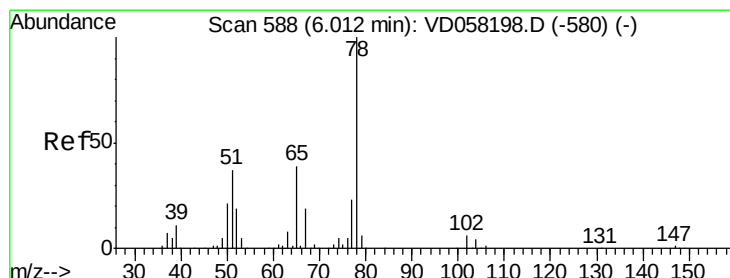
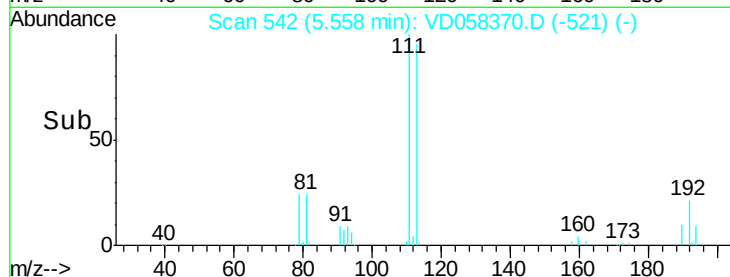
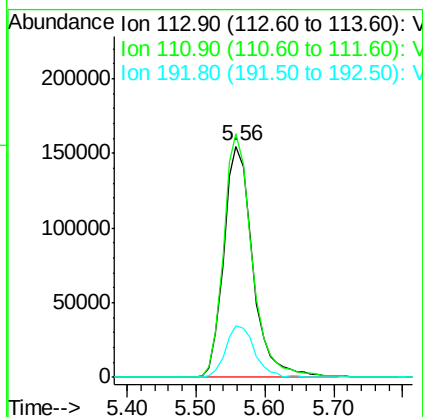
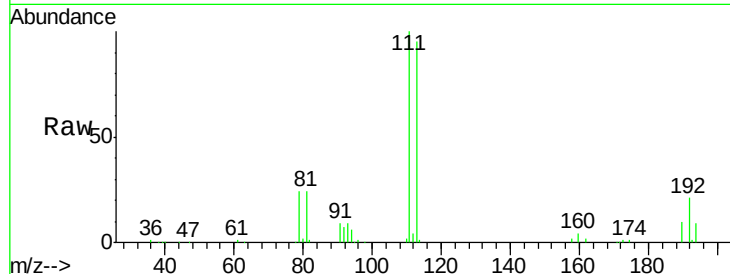
ClientSampleId :

WP021SB478-31-33-180621

Tot Ion:	113	Resp:	452085
Ion Ratio	Lower	Upper	
113	100		
111	105.2	80.6	121.0
192	22.0	17.8	26.6

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#40

Benzene

Concen: 2.05 ug/l

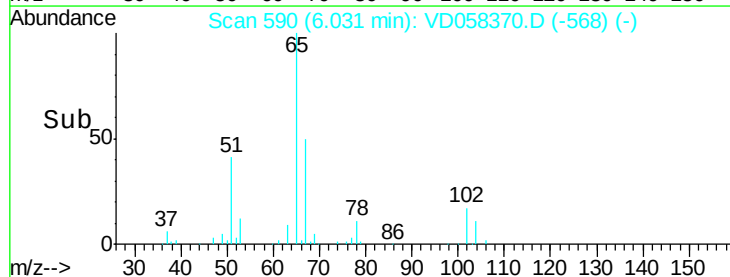
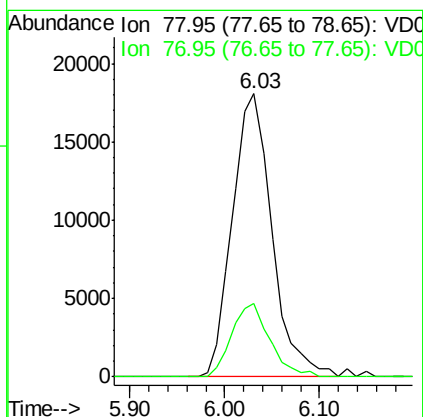
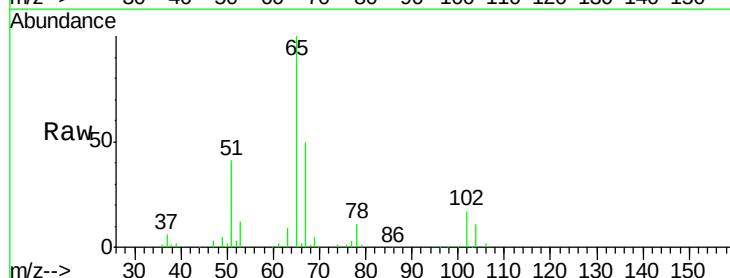
RT: 6.03 min Scan# 590

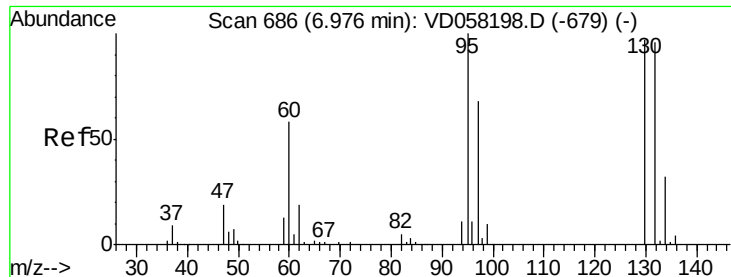
Delta R.T. 0.02 min

Lab File: VD058370.D

Acq: 24 Jun 2018 14:29

Tgt Ion:	78	Resp:	52411
Ion Ratio	Lower	Upper	
78	100		
77	25.9	18.5	27.7





#44

Trichloroethene

Concen: 1337.32 ug/l

RT: 7.04 min Scan# 692

Delta R.T. 0.06 min

Lab File: VD058370.D

Acq: 24 Jun 2018 14:29

Instrument :

MSVOA_D

ClientSampleId :

WP021SB478-31-33-180621

Tot Ion:130 Resp:10242509

Ion Ratio Lower Upper

130 100

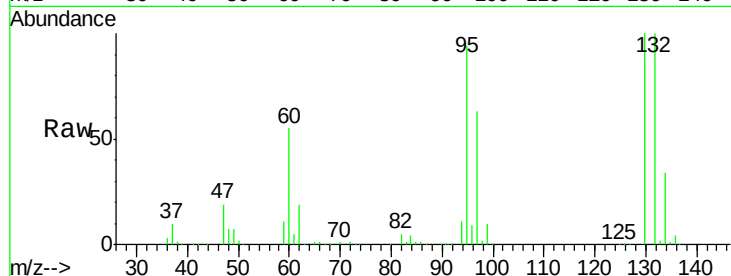
95 93.7 0.0 205.6

Manual Integrations

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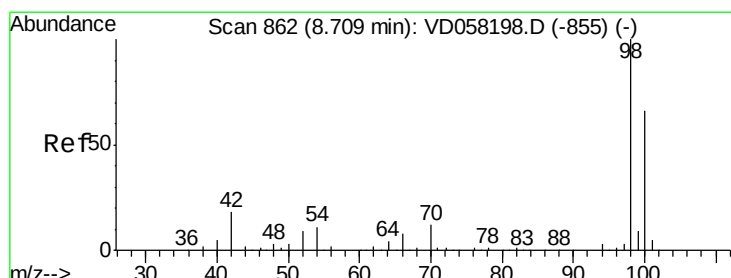
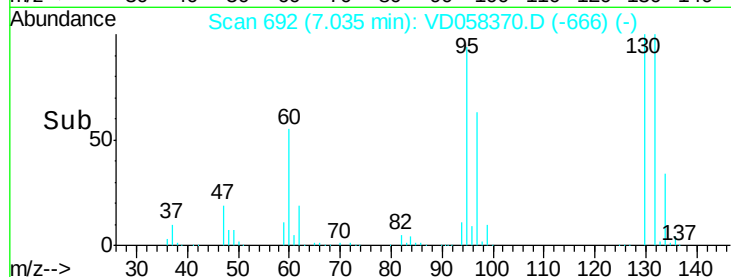
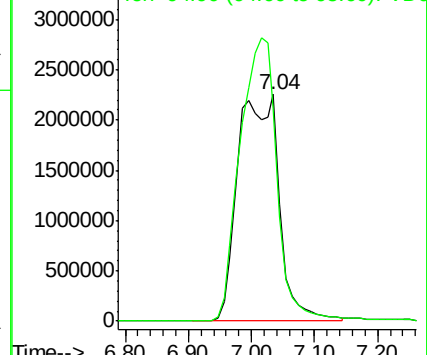
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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD058370.D

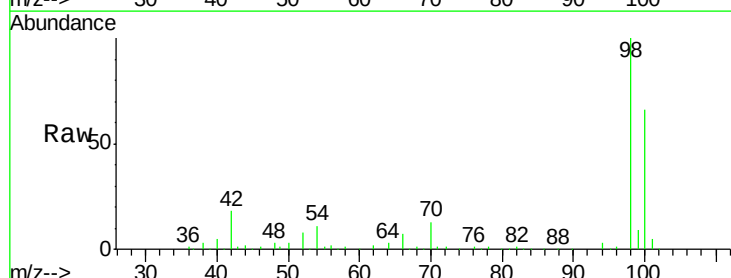
Acq: 24 Jun 2018 14:29

Tgt Ion: 98 Resp: 1012650

Ion Ratio Lower Upper

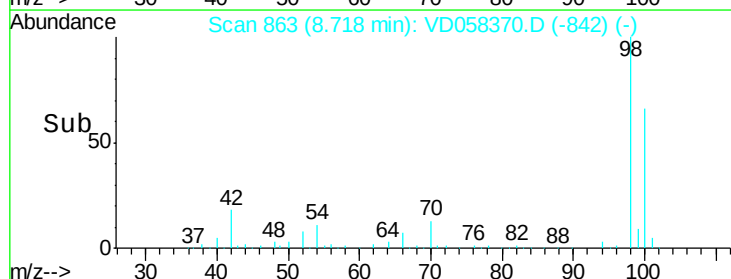
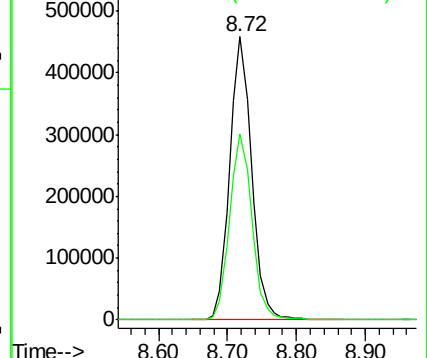
98 100

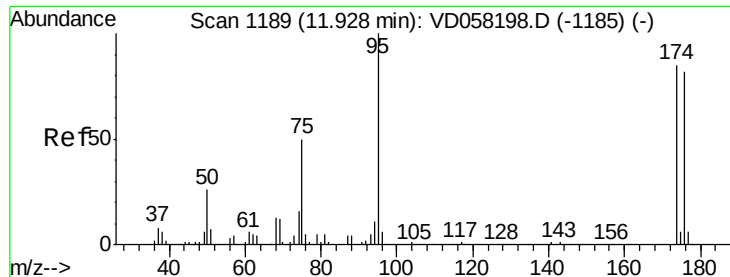
100 65.8 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





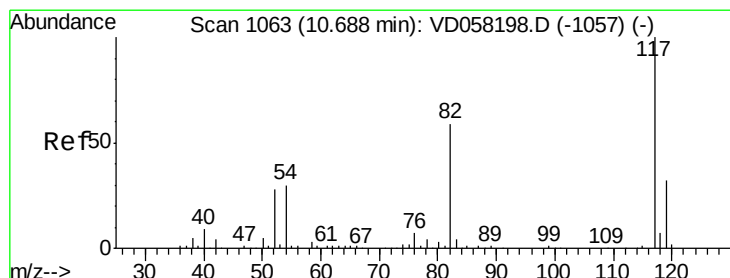
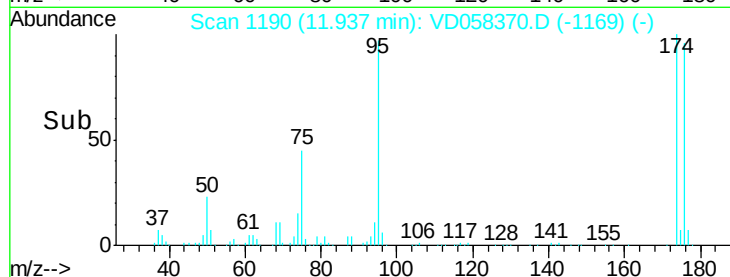
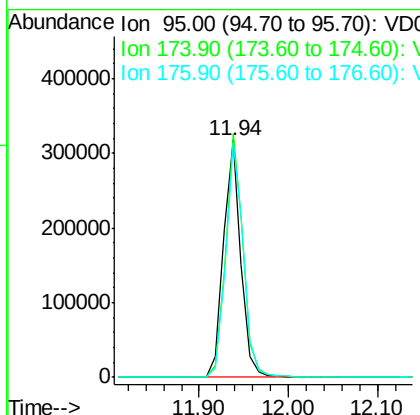
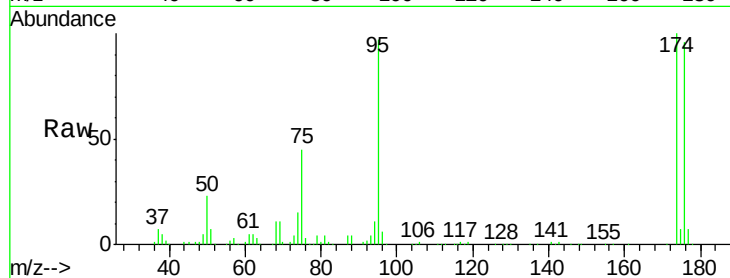
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.94 min Scan# 1190
Delta R.T. 0.01 min
Lab File: VD058370.D
Acq: 24 Jun 2018 14:29

Instrument :
MSVOA_D
ClientSampleId :
WP021SB478-31-33-180621

Tot Ion	Ratio	Resp	Lower	Upper
95	100	437349		
174	102.7	0.0	170.2	
176	98.9	0.0	164.6	

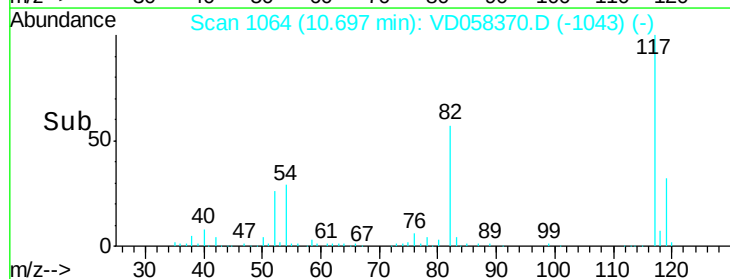
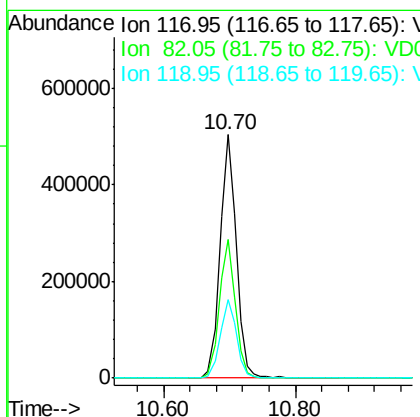
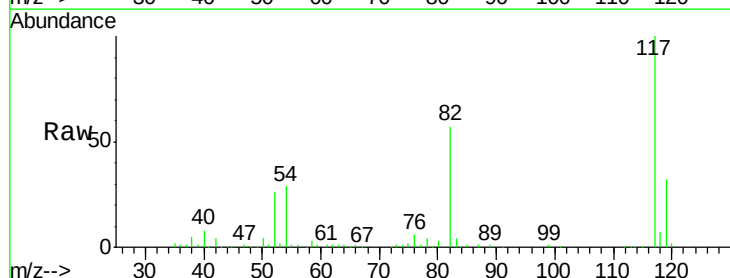
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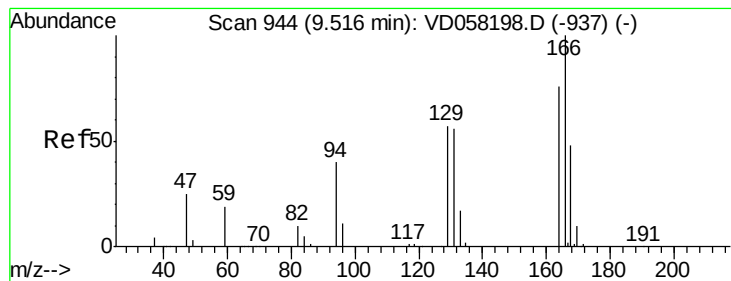
apatel
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#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058370.D
Acq: 24 Jun 2018 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	865460		
82	57.0	47.0	70.6	
119	32.2	25.3	37.9	





#64

Tetrachloroethene

Concen: 34.45 ug/l

RT: 9.53 min Scan# 945

Delta R.T. 0.01 min

Lab File: VD058370.D

Acq: 24 Jun 2018 14:29

Instrument :

MSVOA_D

ClientSampleId :

WP021SB478-31-33-180621

Tot Ion:164 Resp: 250898

Ion Ratio Lower Upper

164 100

166 134.6 105.4 158.0

129 78.7 59.6 89.4

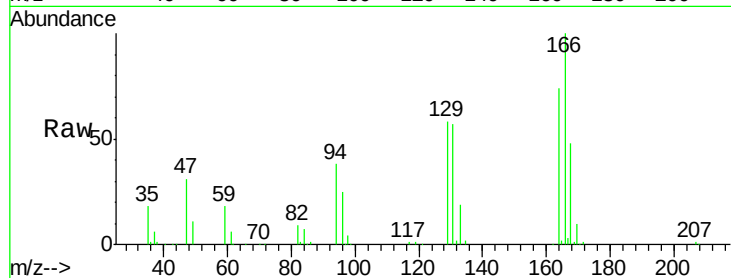
131 76.5 59.4 89.2

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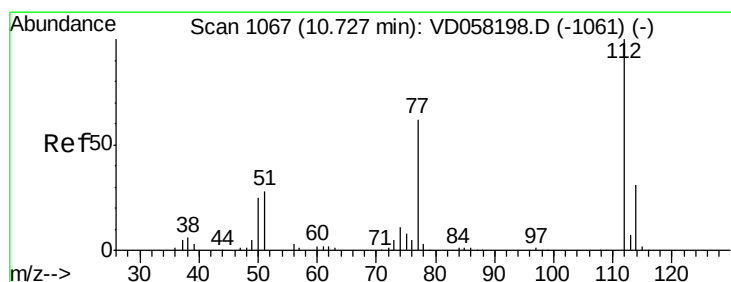
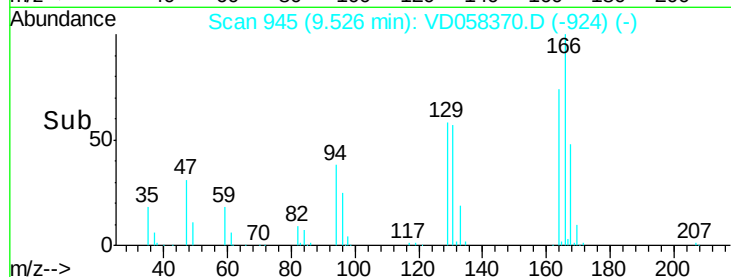
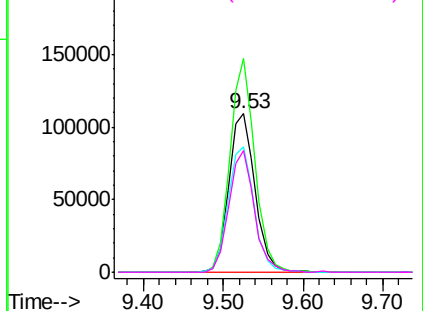


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 23.82 ug/l

RT: 10.73 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VD058370.D

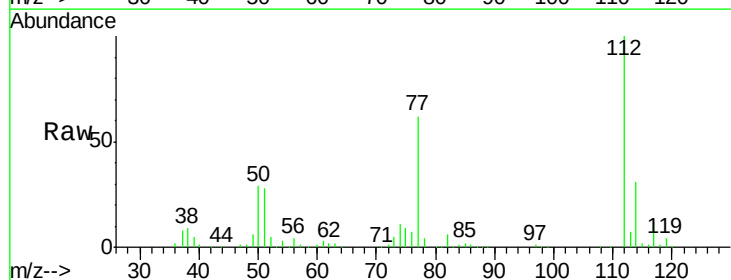
Acq: 24 Jun 2018 14:29

Tgt Ion:112 Resp: 385596

Ion Ratio Lower Upper

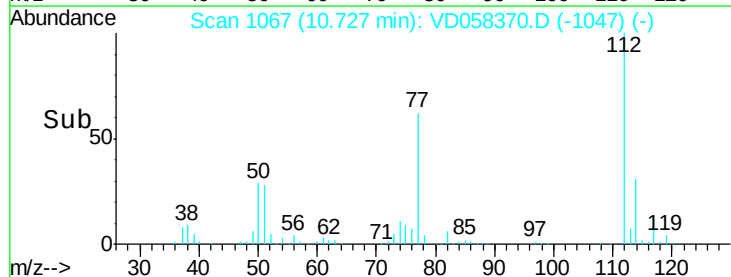
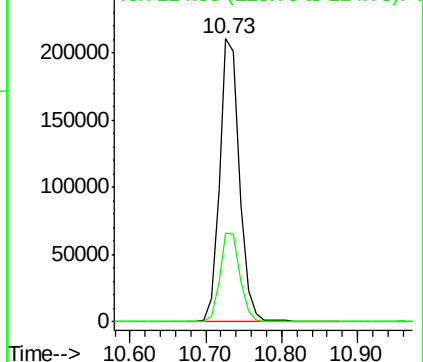
112 100

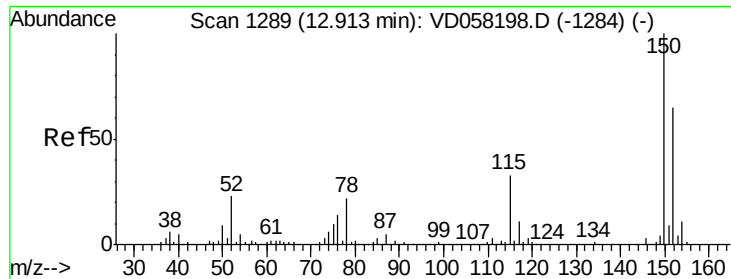
114 31.4 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V





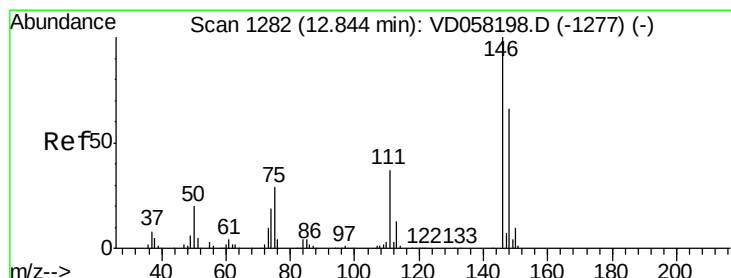
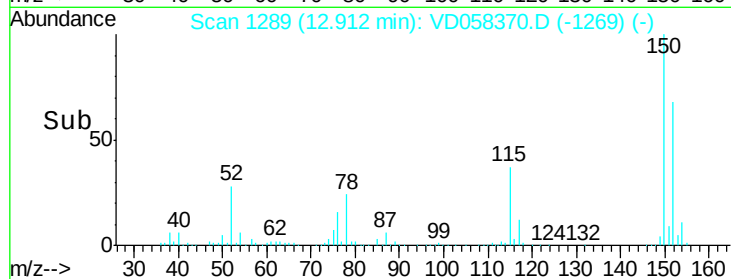
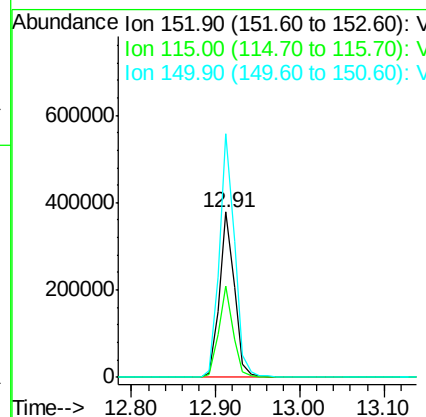
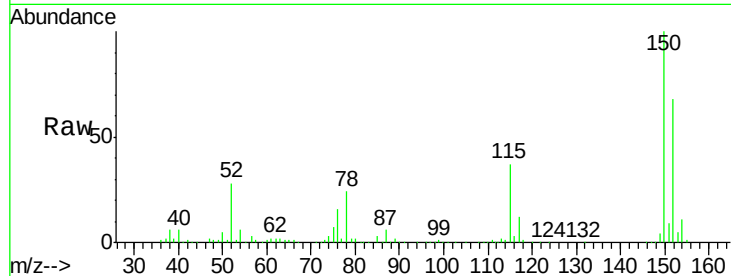
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.91 min Scan# 1289
 Delta R.T. -0.00 min
 Lab File: VD058370.D
 Acq: 24 Jun 2018 14:29

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB478-31-33-180621

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.2	25.1	75.3
150	147.5	0.0	308.8

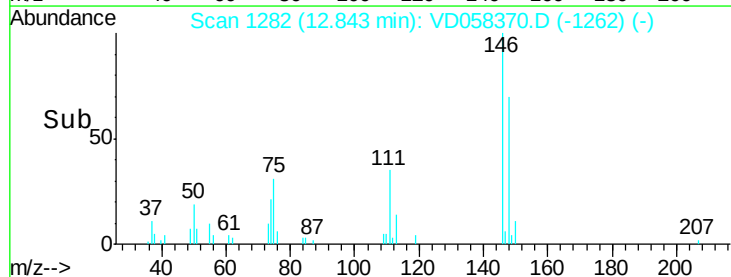
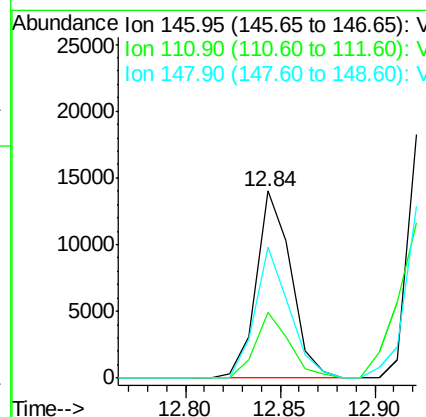
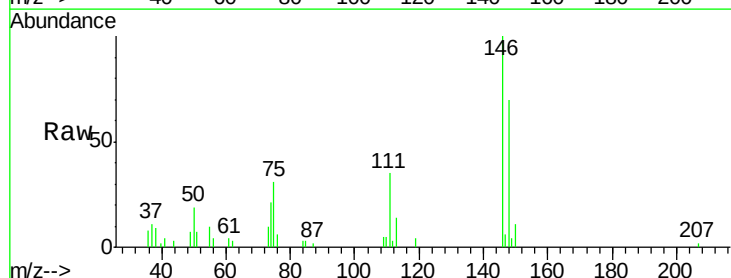
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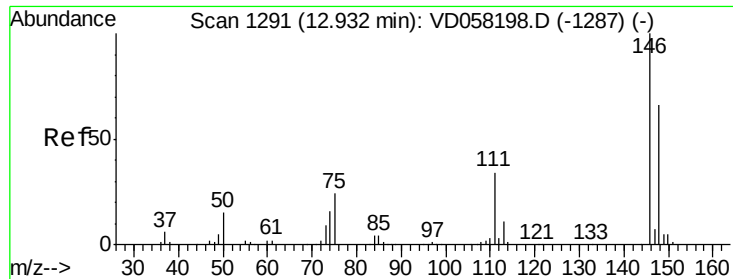
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#87
 1,3-Dichlorobenzene
 Concen: 1.23 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD058370.D
 Acq: 24 Jun 2018 14:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.9	18.4	55.0
148	70.3	32.8	98.4





#88

1,4-Dichlorobenzene

Concen: 3.71 ug/l

RT: 12.93 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VD058370.D

Acq: 24 Jun 2018 14:29

Instrument :

MSVOA_D

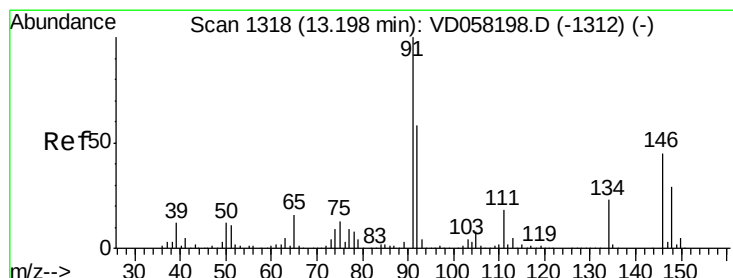
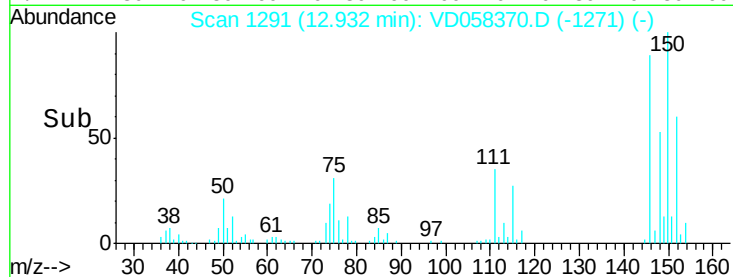
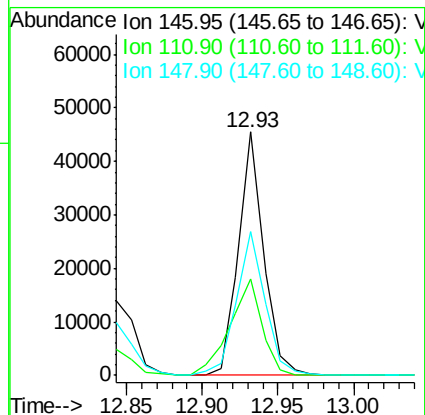
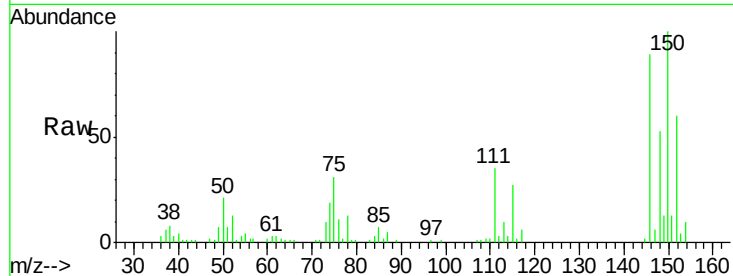
ClientSampleId :

WP021SB478-31-33-180621

Tot Ion:	146	Resp:	52800
Ion Ratio	Lower	Upper	
146	100		
111	39.7	17.2	51.5
148	59.1	33.1	99.3

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#91

1,2-Dichlorobenzene

Concen: 11.06 ug/l

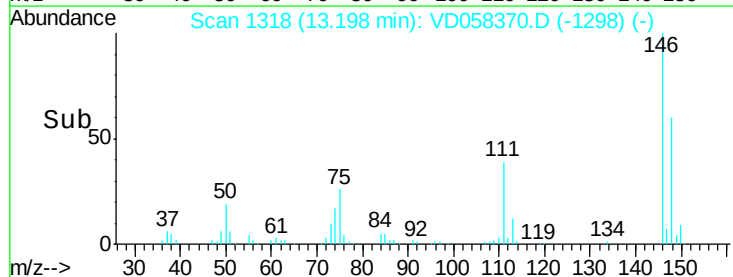
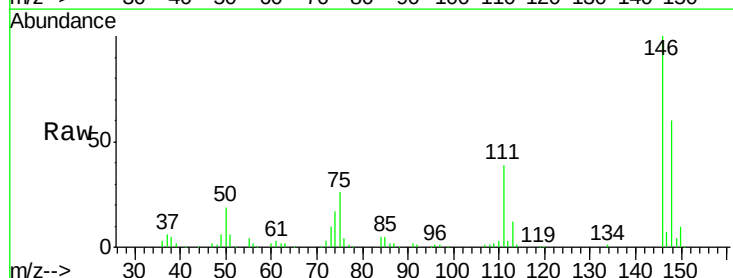
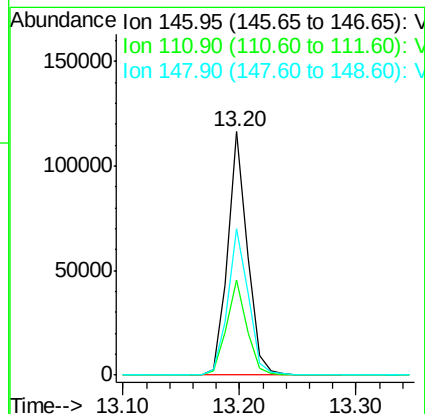
RT: 13.20 min Scan# 1318

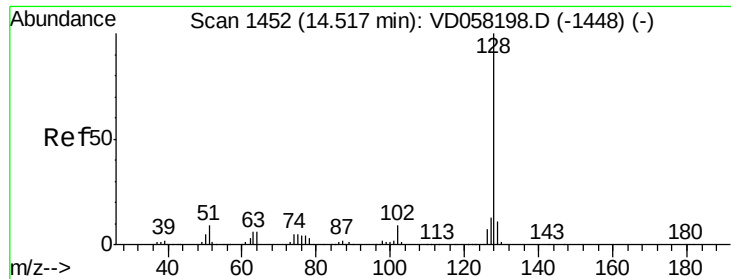
Delta R.T. -0.00 min

Lab File: VD058370.D

Acq: 24 Jun 2018 14:29

Tgt Ion:	146	Resp:	137036
Ion Ratio	Lower	Upper	
146	100		
111	39.1	19.6	58.7
148	60.2	32.0	96.2





#95
 Naphthalene
 Concen: 1.86 ug/l
 RT: 14.52 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VD058370.D
 Acq: 24 Jun 2018 14:29

Instrument :
 MSVOA_D
 ClientSampleId :
 WP021SB478-31-33-180621

Tot Ion	Ratio	Resp	Lower	Upper
128	100	29098		
127	12.3		10.0	15.0
129	11.5		8.7	13.1

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