

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062318\
 Data File : VD058350.D
 Acq On : 23 Jun 2018 19:35
 Operator : VA/AP
 Sample : J3671-01
 Misc : 6.01g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 25 01:10:46 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	789903	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	6.71	114	1059977	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.70	117	857183	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.91	152	414418	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	334577	41.93	ug/l	0.03
Spiked Amount			Recovery	=	83.86%	
35) Dibromofluoromethane	5.56	113	338086	39.19	ug/l	0.02
Spiked Amount			Recovery	=	78.38%	
50) Toluene-d8	8.72	98	797753	38.22	ug/l	0.02
Spiked Amount			Recovery	=	76.44%	
62) 4-Bromofluorobenzene	11.93	95	321209	37.67	ug/l	0.00
Spiked Amount			Recovery	=	75.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.49	50	415	Below Cal	#	43
4) Vinyl Chloride	1.57	62	331229	80.05	ug/l	98
5) Bromomethane	1.78	94	197	Below Cal	#	3
6) Chloroethane	1.91	64	215	1.53	ug/l	41
9) 1,1,2-Trichlorotrifluoroet	2.57	101	8783	2.44	ug/l	63
11) Tert butyl alcohol	3.29	59	2505	9.52	ug/l	78
12) 1,1-Dichloroethene	2.57	96	616817	227.29	ug/l	92
13) Acrolein	2.48	56	187	1.24	ug/l	11
16) Acetone	2.63	43	49466	45.33	ug/l	93
18) Methyl Acetate	2.97	43	4207	1.81	ug/l	65
20) Methylene Chloride	3.09	84	25843	4.76	ug/l	84
21) trans-1,2-Dichloroethene	3.41	96	117490	39.61	ug/l	92
24) 1,1-Dichloroethane	4.00	63	46193	3.42	ug/l	93
25) 2-Butanone	4.89	43	4171	1.75	ug/l	1
27) cis-1,2-Dichloroethene	4.83	96	22917183	3092.10	ug/l	84
29) Tetrahydrofuran	5.22	42	3397	2.68	ug/l	46
30) Chloroform	5.35	83	49703	3.48	ug/l	96
31) Cyclohexane	5.65	56	26725	Below Cal	#	1
36) 1,1-Dichloropropene	5.66	75	60462	5.77	ug/l	50
38) Carbon Tetrachloride	5.66	117	65487	6.29	ug/l	14
39) Methylcyclohexane	7.31	83	17407	1.70	ug/l	58
40) Benzene	6.04	78	74581	2.99	ug/l	95
42) 1,2-Dichloroethane	6.15	62	31488	3.13	ug/l	93
44) Trichloroethene	7.00	130	6852711	913.63	ug/l	98
49) 1,4-Dioxane	7.50	88	230	5.26	ug/l	26
52) Toluene	8.81	92	70118	4.93	ug/l	99
55) 1,1,2-Trichloroethane	9.46	97	22143	4.40	ug/l	88
64) Tetrachloroethene	9.52	164	102608	14.23	ug/l	99
65) Chlorobenzene	10.73	112	1187741	74.08	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.93	75	147662	100.06	ug/l	1
82) 4-Chlorotoluene	12.33	91	845	Below Cal	#	45
87) 1,3-Dichlorobenzene	12.85	146	151007	11.70	ug/l	99
88) 1,4-Dichlorobenzene	12.93	146	867304	68.84	ug/l	95
91) 1,2-Dichlorobenzene	13.20	146	1854437	168.91	ug/l	100

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

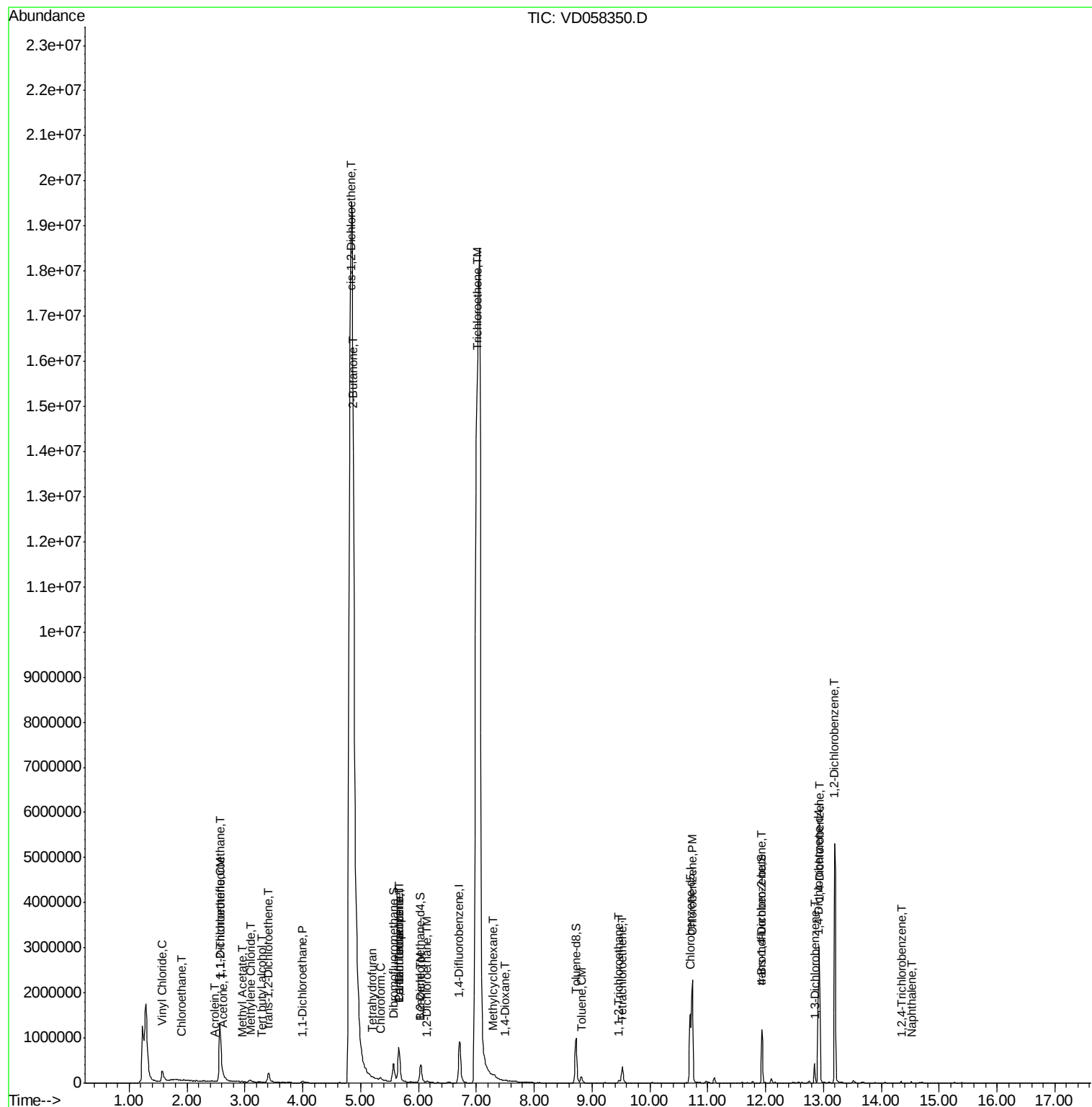
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.35	180	10681	1.02	ug/l	98
95) Naphthalene	14.52	128	18076	1.31	ug/l #	94

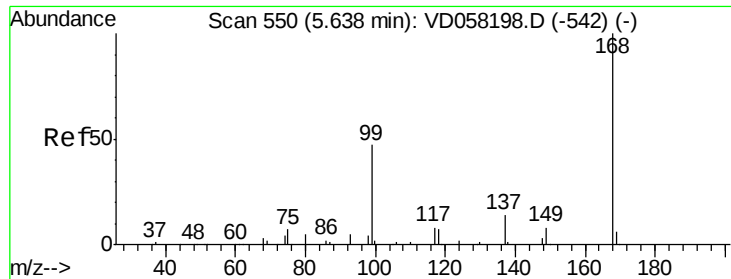
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062318\
Data File : VD058350.D
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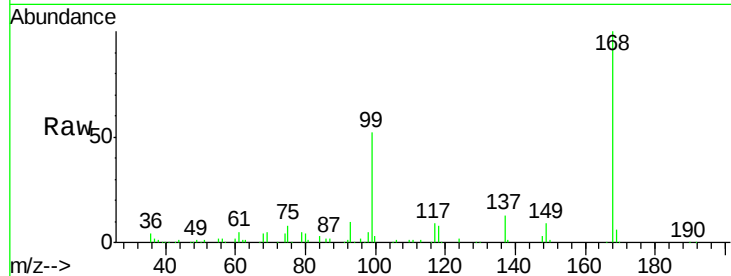


#1

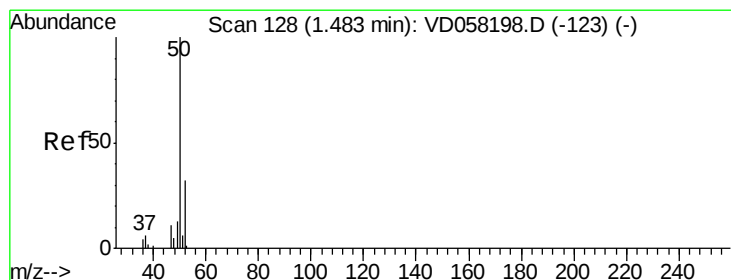
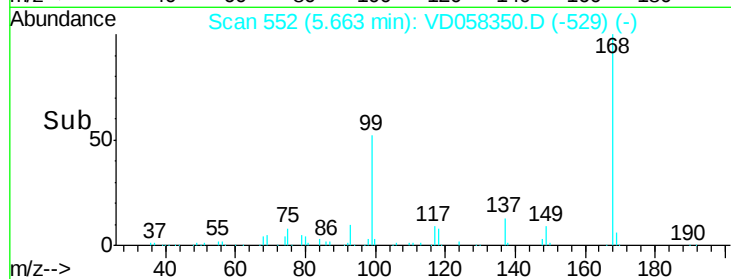
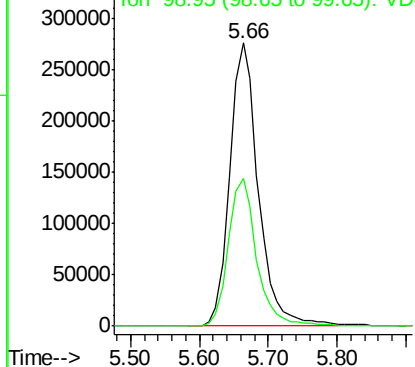
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.66 min Scan# 552
 Delta R.T. 0.03 min
 Lab File: VD058350.D
 Acq: 23 Jun 2018 19:35

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:168 Resp: 789903
 Ion Ratio Lower Upper
 168 100
 99 52.2 41.1 61.7



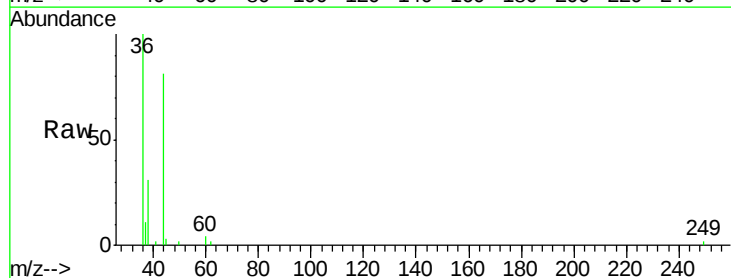
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.95 (98.65 to 99.65): VDC



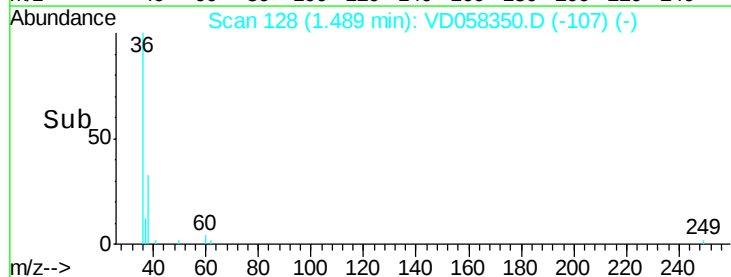
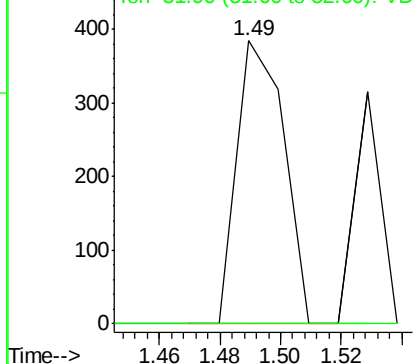
#3

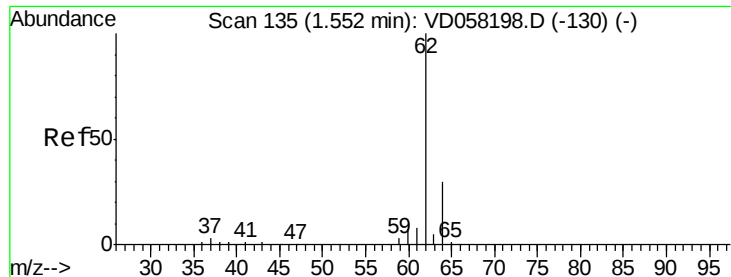
Chloromethane
 Concen: Below Cal
 RT: 1.49 min Scan# 128
 Delta R.T. 0.01 min
 Lab File: VD058350.D
 Acq: 23 Jun 2018 19:35

Tgt Ion: 50 Resp: 415
 Ion Ratio Lower Upper
 50 100
 52 0.0 25.0 37.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC
 Ion 51.90 (51.60 to 52.60): VDC





#4

Vinyl Chloride

Concen: 80.05 ug/l

RT: 1.57 min Scan# 136

Delta R.T. 0.02 min

Lab File: VD058350.D

Acq: 23 Jun 2018 19:35

Instrument :

MSVOA_D

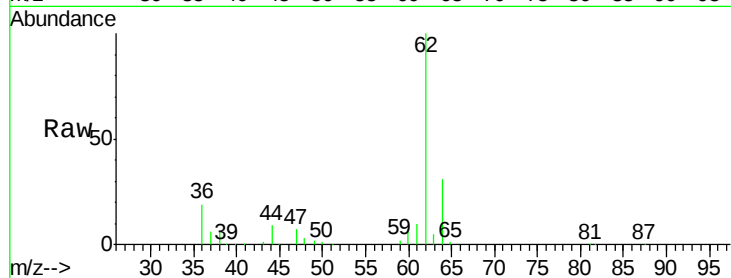
ClientSampled :

Tot Ion: 62 Resp: 331229

Ion Ratio Lower Upper

62 100

64 31.4 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

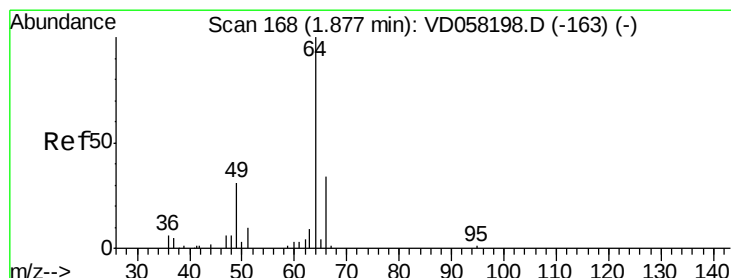
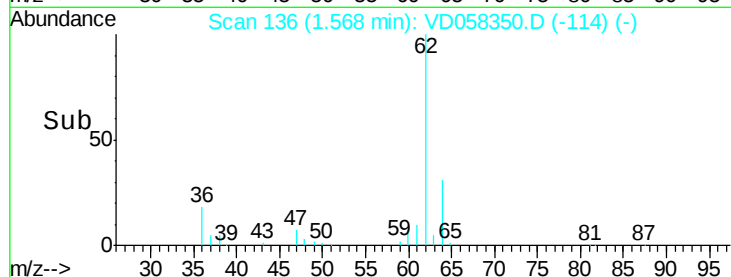
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 1.53 ug/l

RT: 1.91 min Scan# 171

Delta R.T. 0.04 min

Lab File: VD058350.D

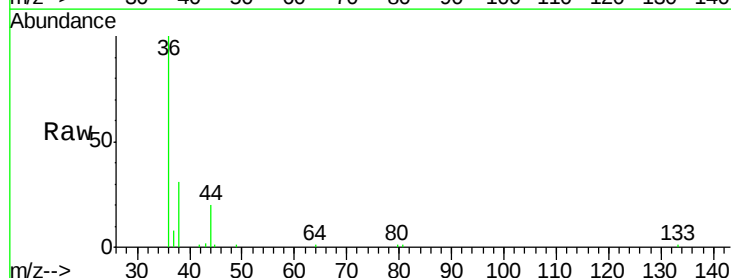
Acq: 23 Jun 2018 19:35

Tgt Ion: 64 Resp: 215

Ion Ratio Lower Upper

64 100

66 0.0 27.3 40.9#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

400

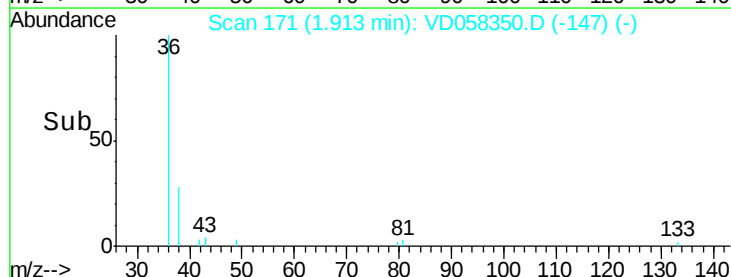
300

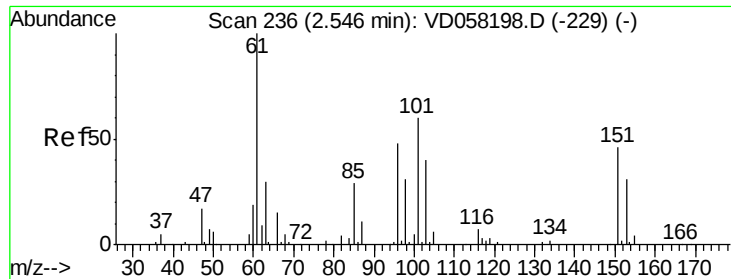
200

100

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.44 ug/l

RT: 2.57 min Scan# 238

Delta R.T. 0.03 min

Lab File: VD058350.D

Acq: 23 Jun 2018 19:35

Instrument :

MSVOA_D

ClientSampled :

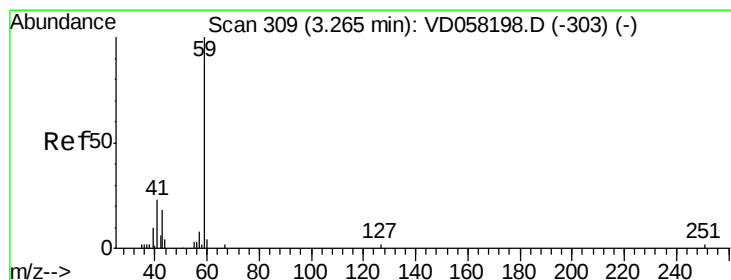
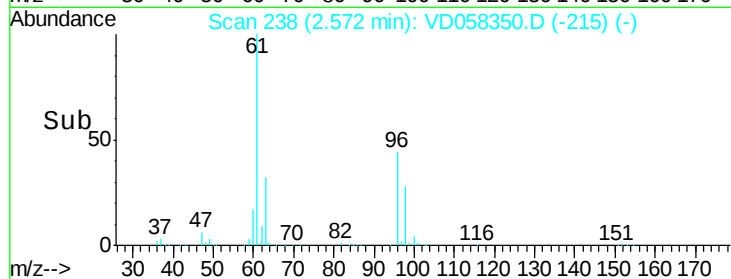
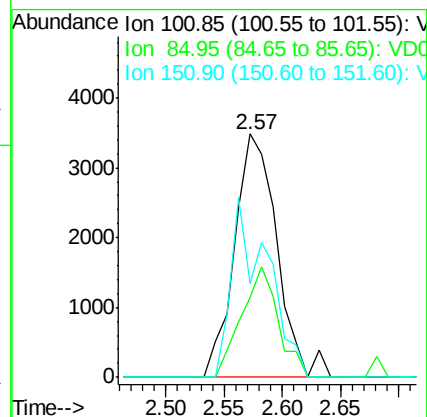
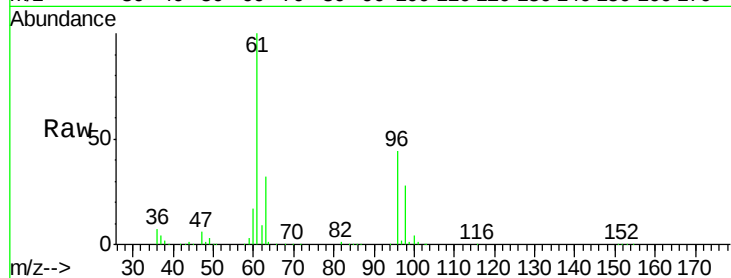
Tot Ion:101 Resp: 8783

Ion Ratio Lower Upper

101 100

85 32.7 39.0 58.4#

151 38.5 61.8 92.8#



#11

Tert butyl alcohol

Concen: 9.52 ug/l

RT: 3.29 min Scan# 311

Delta R.T. 0.03 min

Lab File: VD058350.D

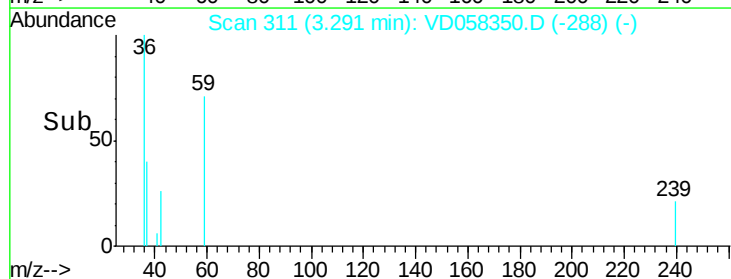
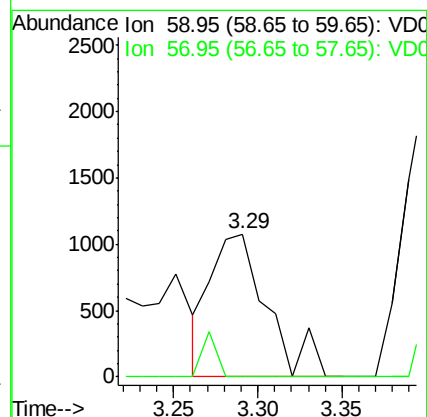
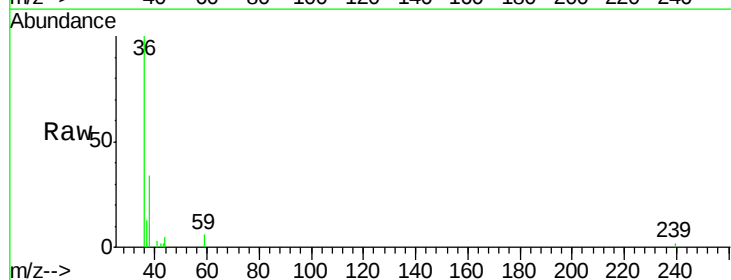
Acq: 23 Jun 2018 19:35

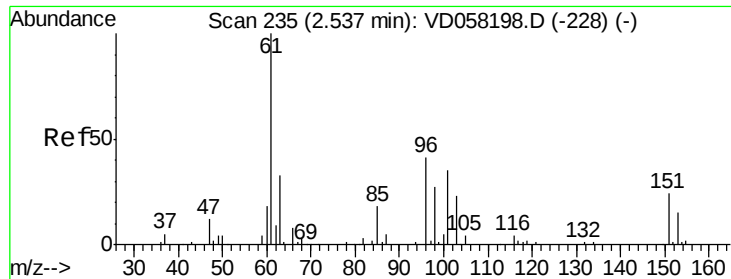
Tgt Ion: 59 Resp: 2505

Ion Ratio Lower Upper

59 100

57 0.0 6.2 9.4#





#12

1,1-Dichloroethene

Concen: 227.29 ug/l

RT: 2.57 min Scan# 238

Delta R.T. 0.04 min

Lab File: VD058350.D

Acq: 23 Jun 2018 19:35

Instrument :
MSVOA_D
ClientSampled :

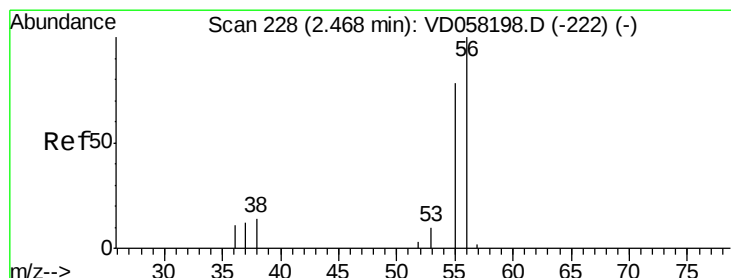
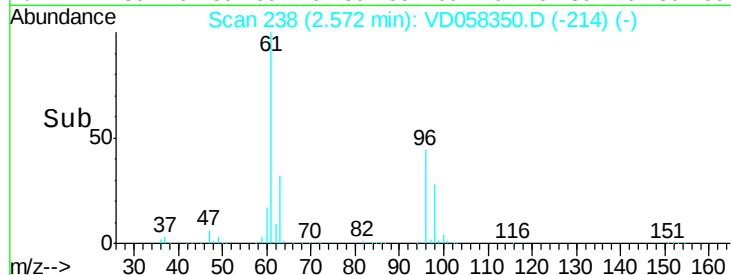
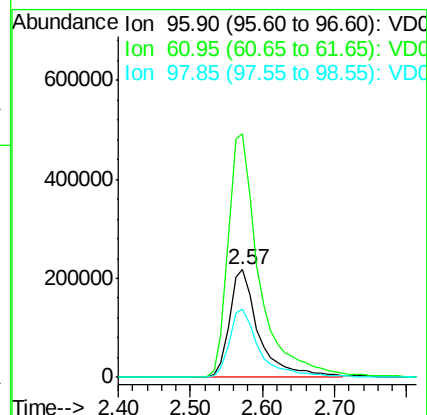
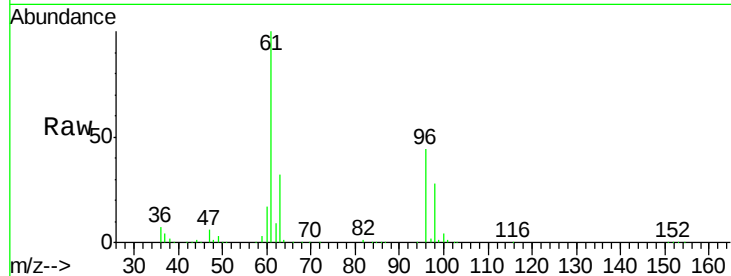
Tot Ion: 96 Resp: 616817

Ion Ratio Lower Upper

96 100

61 226.1 193.9 290.9

98 64.0 51.7 77.5



#13

Acrolein

Concen: 1.24 ug/l

RT: 2.48 min Scan# 229

Delta R.T. 0.02 min

Lab File: VD058350.D

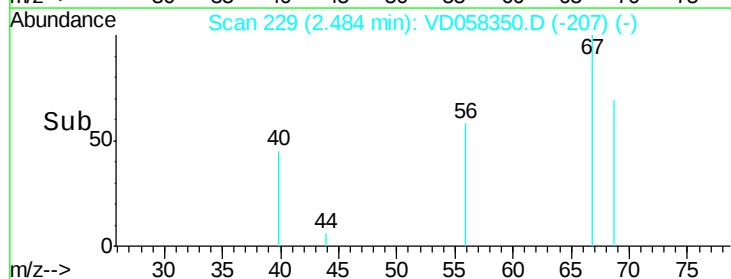
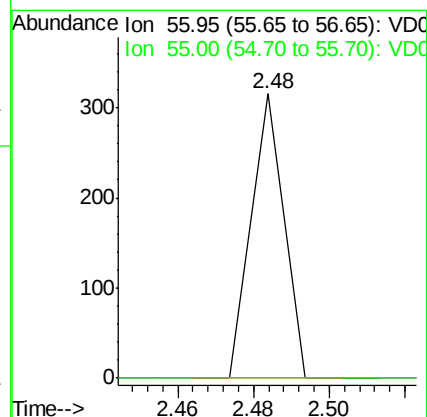
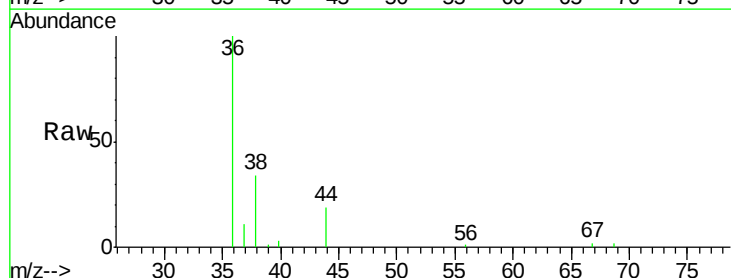
Acq: 23 Jun 2018 19:35

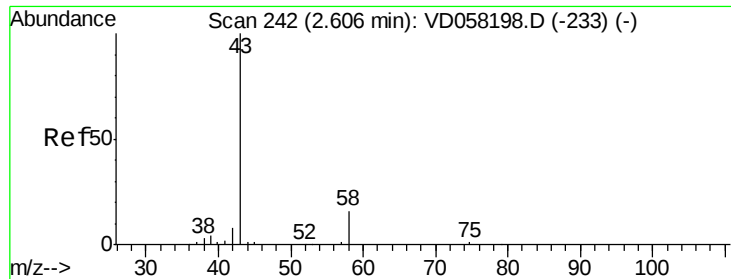
Tgt Ion: 56 Resp: 187

Ion Ratio Lower Upper

56 100

55 0.0 62.1 93.1#





#16

Acetone

Concen: 45.33 ug/l

RT: 2.63 min Scan# 244

Delta R.T. 0.03 min

Lab File: VD058350.D

Acq: 23 Jun 2018 19:35

Instrument :

MSVOA_D

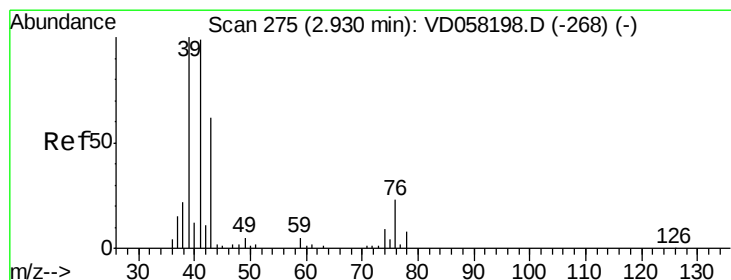
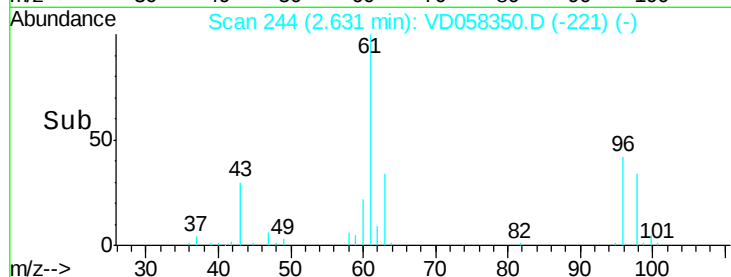
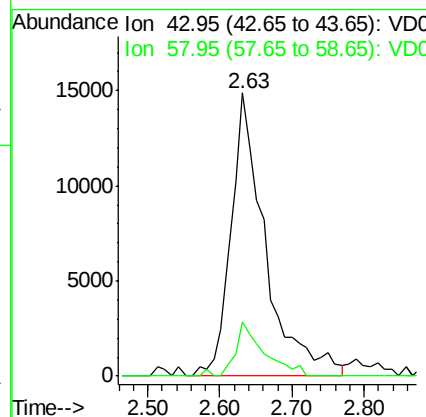
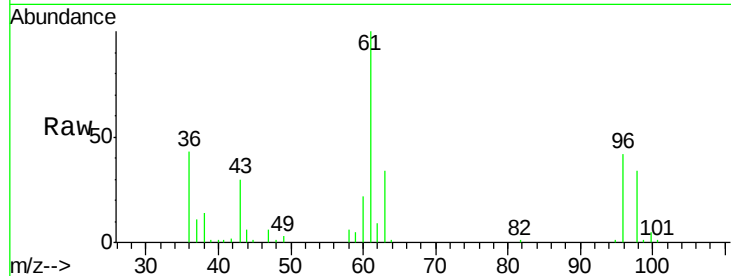
ClientSampleId :

Tot Ion: 43 Resp: 49466

Ion Ratio Lower Upper

43 100

58 19.1 12.7 19.1



#18

Methyl Acetate

Concen: 1.81 ug/l

RT: 2.97 min Scan# 278

Delta R.T. 0.04 min

Lab File: VD058350.D

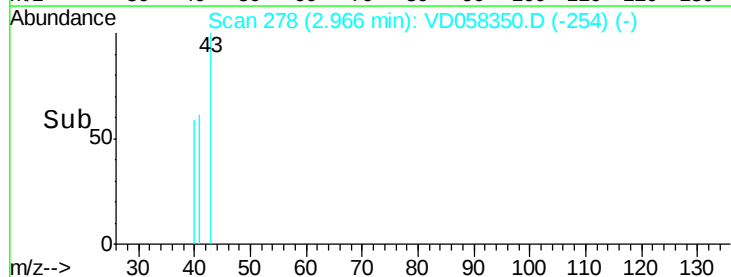
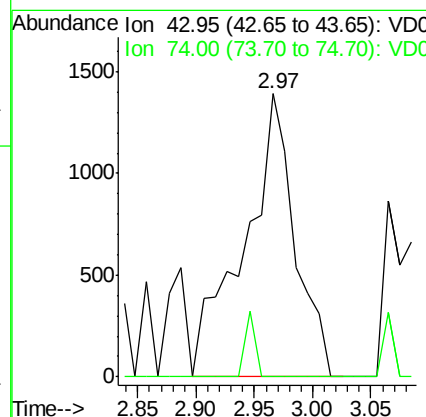
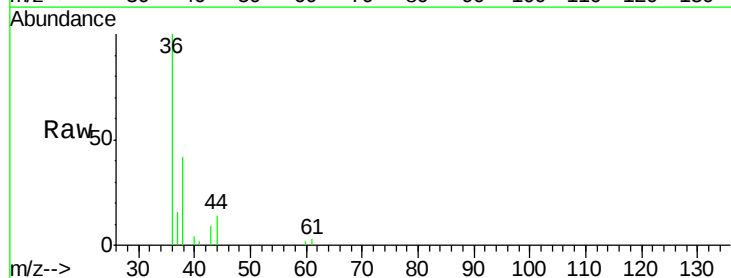
Acq: 23 Jun 2018 19:35

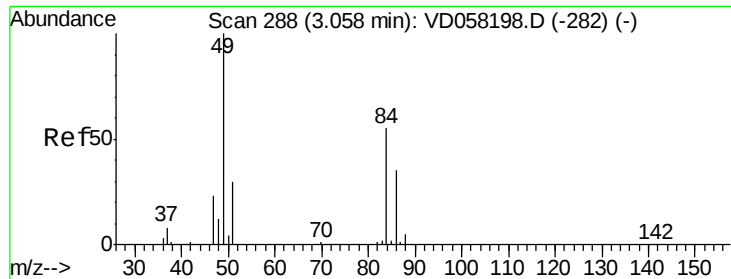
Tgt Ion: 43 Resp: 4207

Ion Ratio Lower Upper

43 100

74 0.0 11.7 17.5#

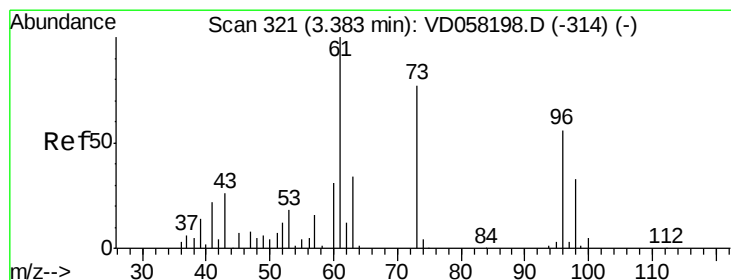
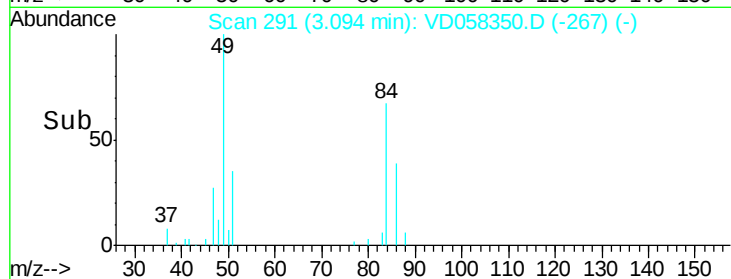
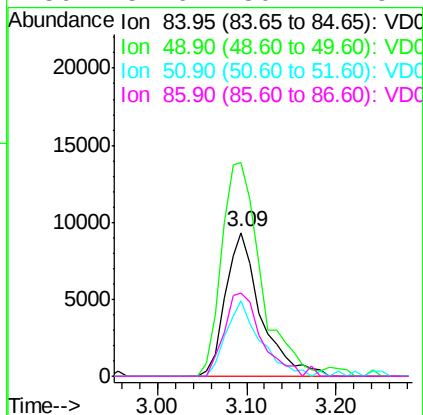
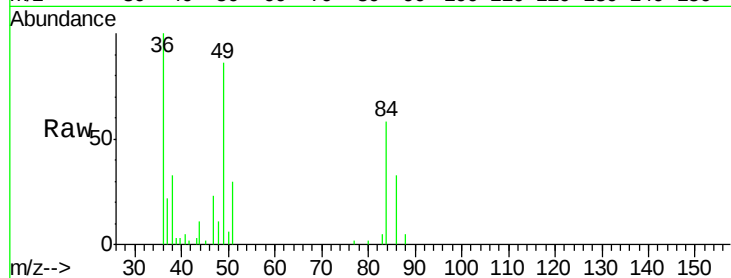




#20
Methvlene Chloride
Concen: 4.76 ug/l
RT: 3.09 min Scan# 291
Delta R.T. 0.04 min
Lab File: VD058350.D
Acq: 23 Jun 2018 19:35

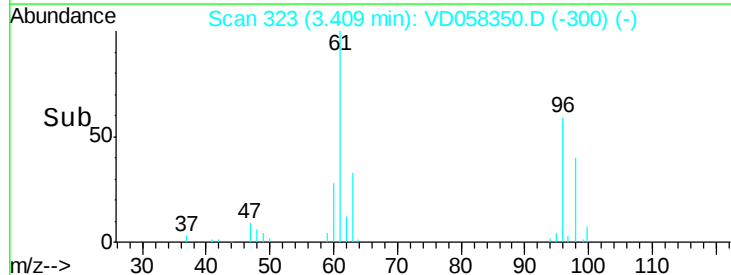
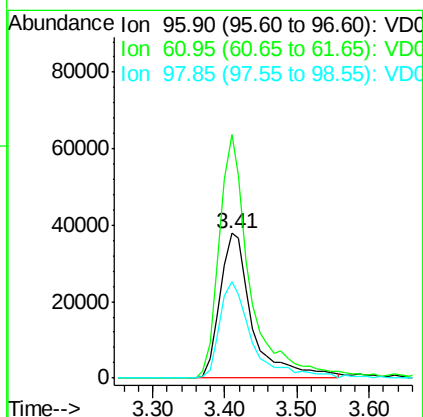
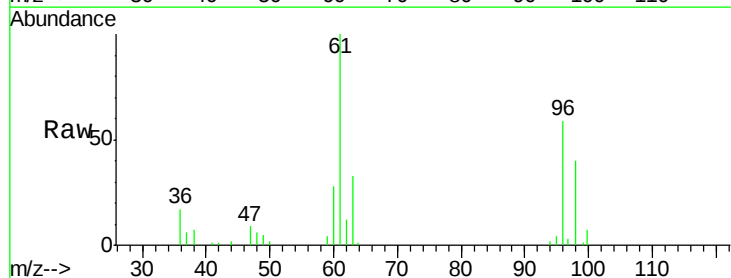
Instrument :
MSVOA_D
ClientSampleId :

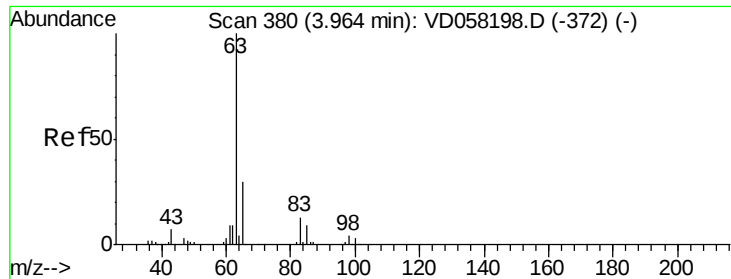
Tot Ion: 84 Resp: 25843
Ion Ratio Lower Upper
84 100
49 148.7 145.0 217.6
51 52.3 42.9 64.3
86 57.6 50.1 75.1



#21
trans-1,2-Dichloroethene
Concen: 39.61 ug/l
RT: 3.41 min Scan# 323
Delta R.T. 0.03 min
Lab File: VD058350.D
Acq: 23 Jun 2018 19:35

Tgt Ion: 96 Resp: 117490
Ion Ratio Lower Upper
96 100
61 168.3 143.8 215.6
98 66.5 48.0 72.0





#24

1,1-Dichloroethane

Concen: 3.42 ug/l

RT: 4.00 min Scan# 383

Delta R.T. 0.04 min

Lab File: VD058350.D

Acq: 23 Jun 2018 19:35

Instrument :

MSVOA_D

ClientSampleId :

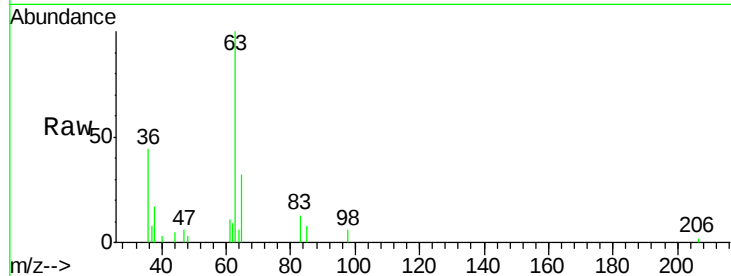
Tot Ion: 63 Resp: 46193

Ion Ratio Lower Upper

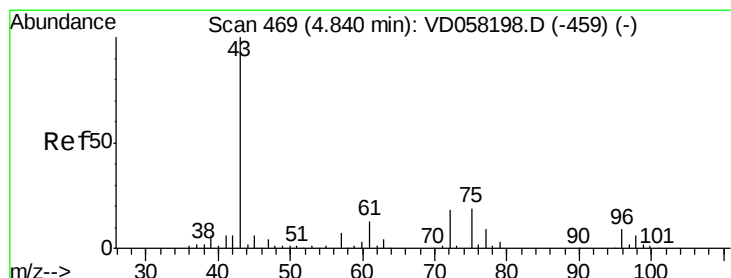
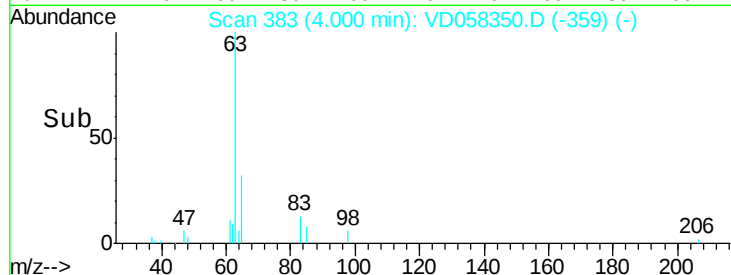
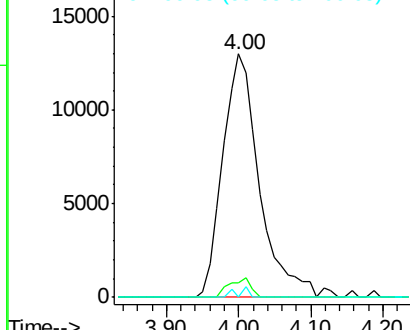
63 100

98 6.0 1.9 5.7#

100 0.0 1.3 3.9#



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 97.95 (97.65 to 98.65): VDC
Ion 99.95 (99.65 to 100.65): VDC



#25

2-Butanone

Concen: 1.75 ug/l

RT: 4.89 min Scan# 473

Delta R.T. 0.05 min

Lab File: VD058350.D

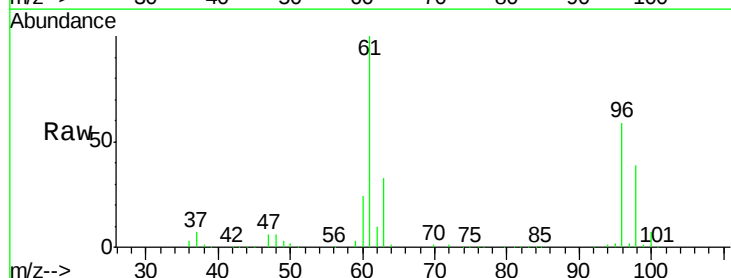
Acq: 23 Jun 2018 19:35

Tgt Ion: 43 Resp: 4171

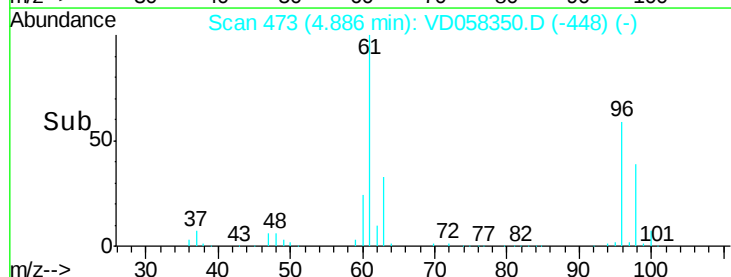
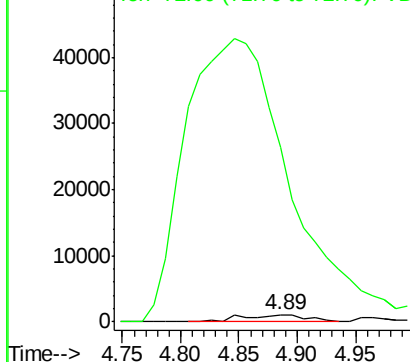
Ion Ratio Lower Upper

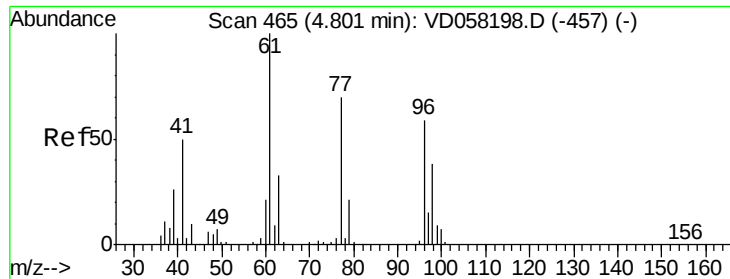
43 100

72 2362.7 14.1 21.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



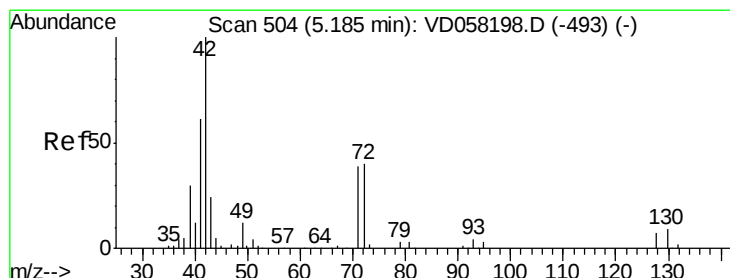
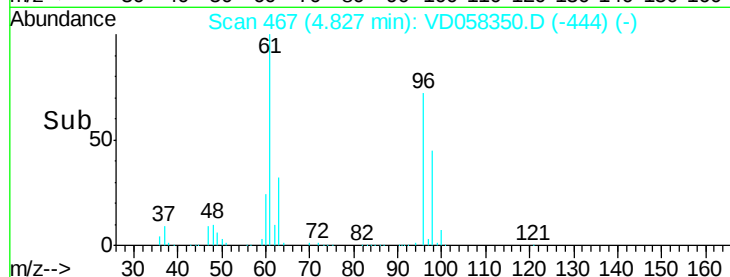
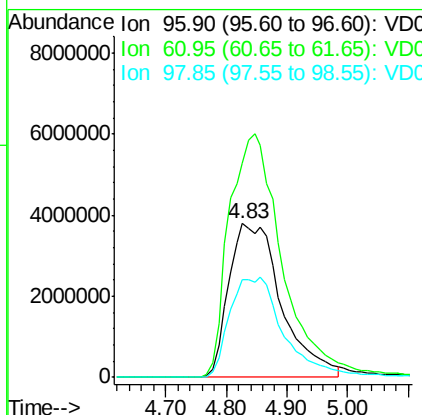
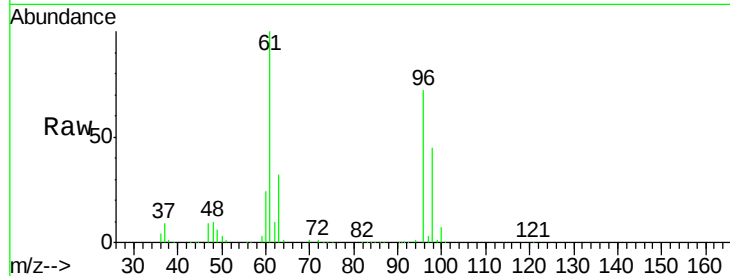


#27

cis-1,2-Dichloroethene
Concen: 3092.10 ug/l
RT: 4.83 min Scan# 467
Delta R.T. 0.03 min
Lab File: VD058350.D
Acq: 23 Jun 2018 19:35

Instrument :
MSVOA_D
ClientSampled :

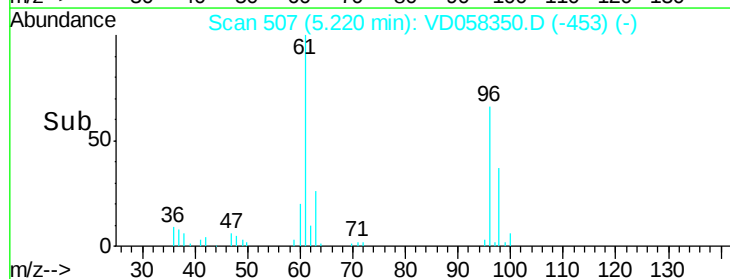
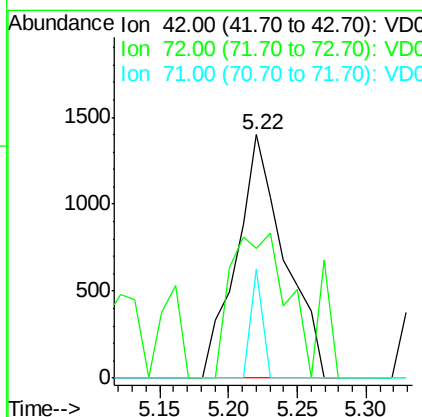
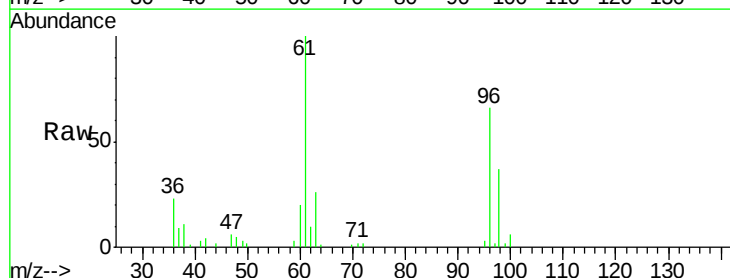
Tot Ion: 96 Resp: 22917183
Ion Ratio Lower Upper
96 100
61 139.5 0.0 338.6
98 63.5 0.0 130.2

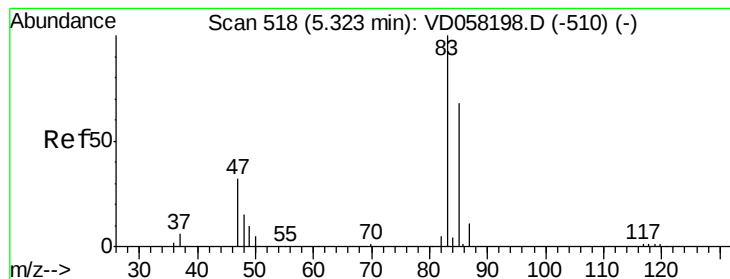


#29

Tetrahydrofuran
Concen: 2.68 ug/l
RT: 5.22 min Scan# 507
Delta R.T. 0.04 min
Lab File: VD058350.D
Acq: 23 Jun 2018 19:35

Tgt Ion: 42 Resp: 3397
Ion Ratio Lower Upper
42 100
72 0.0 30.2 45.2#
71 10.9 30.1 45.1#





#30

Chloroform

Concen: 3.48 ug/l

RT: 5.35 min Scan# 520

Delta R.T. 0.03 min

Lab File: VD058350.D

Acq: 23 Jun 2018 19:35

Instrument :

MSVOA_D

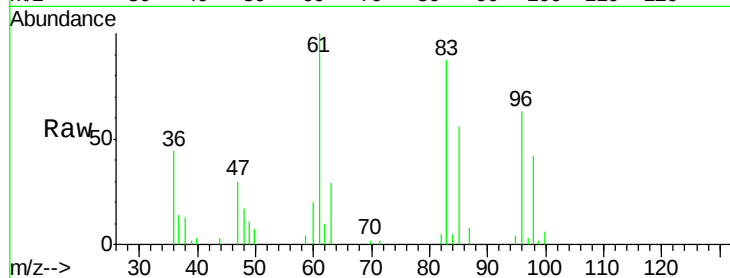
ClientSampleId :

Tot Ion: 83 Resp: 49703

Ion Ratio Lower Upper

83 100

85 65.2 54.8 82.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

5.35

20000

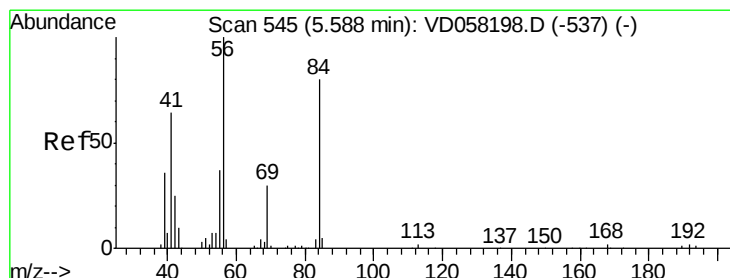
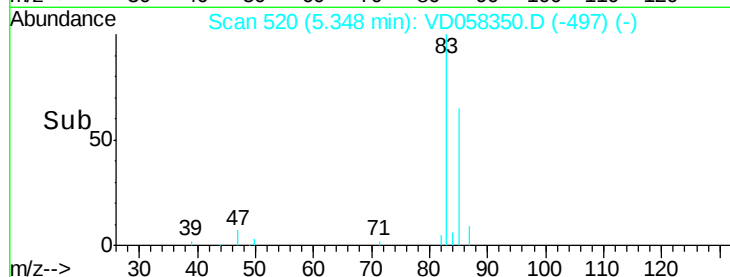
15000

10000

5000

0

Time-->



#31

Cyclohexane

Concen: Below Cal

RT: 5.65 min Scan# 551

Delta R.T. 0.07 min

Lab File: VD058350.D

Acq: 23 Jun 2018 19:35

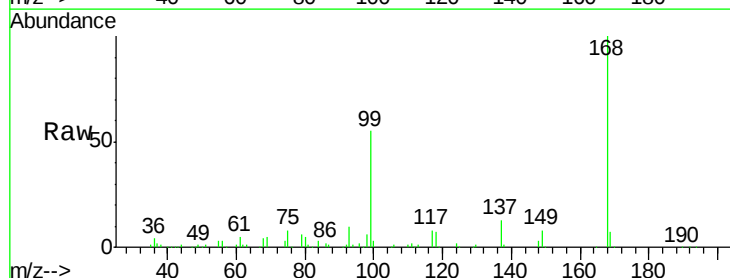
Tgt Ion: 56 Resp: 26725

Ion Ratio Lower Upper

56 100

69 211.2 23.6 35.4#

84 133.9 65.2 97.8#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

5.65

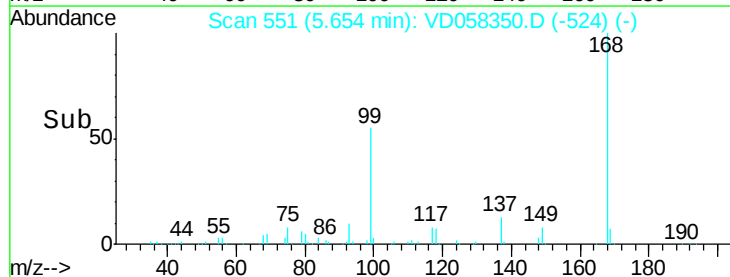
15000

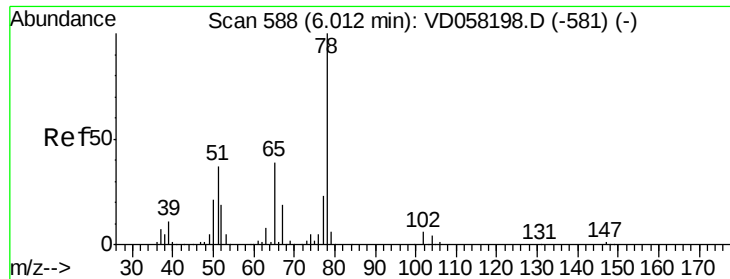
10000

5000

0

Time-->

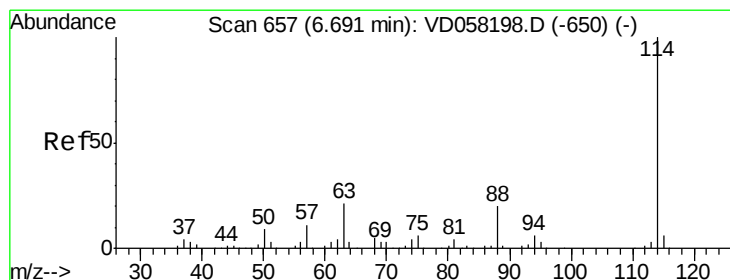
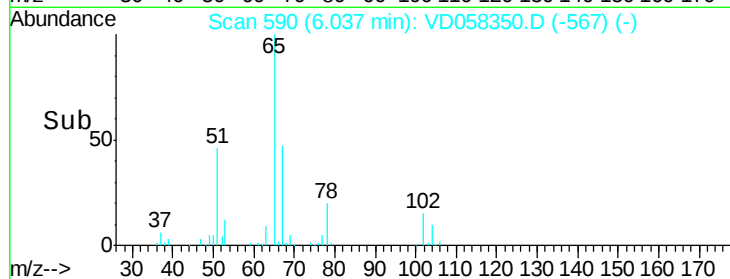
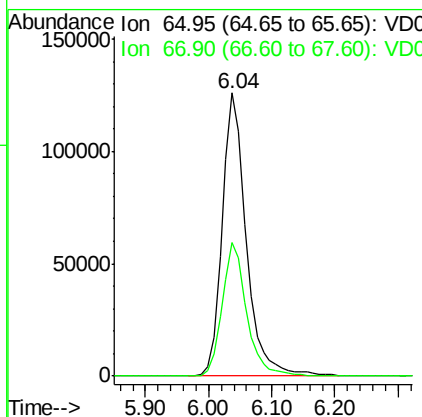
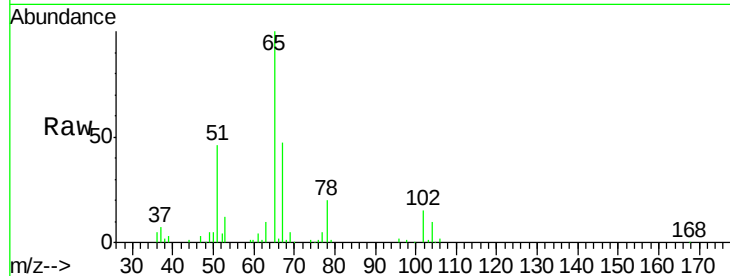




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 6.04 min Scan# 590
 Delta R.T. 0.03 min
 Lab File: VD058350.D
 Acq: 23 Jun 2018 19:35

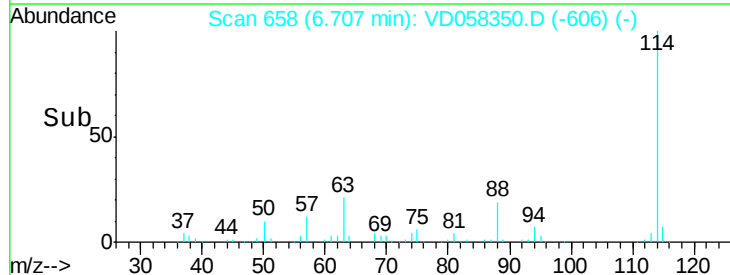
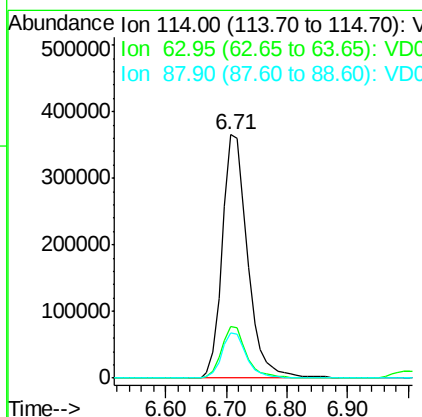
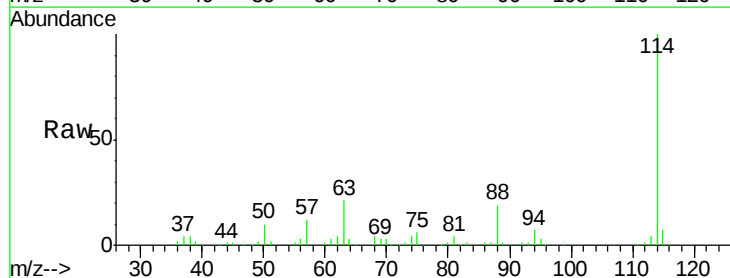
Instrument :
 MSVOA_D
 ClientSampleId :

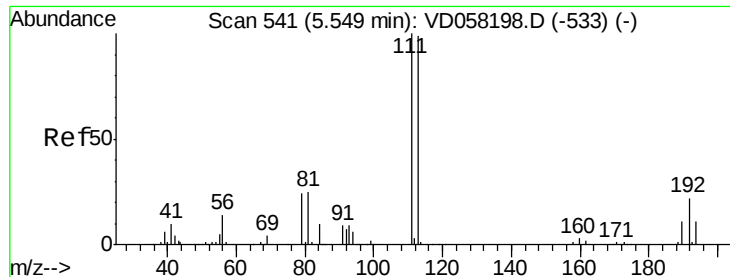
Tot Ion: 65 Resp: 334577
 Ion Ratio Lower Upper
 65 100
 67 47.2 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.71 min Scan# 658
 Delta R.T. 0.02 min
 Lab File: VD058350.D
 Acq: 23 Jun 2018 19:35

Tgt Ion: 114 Resp: 1059977
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 42.6
 88 18.6 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.02 min

Lab File: VD058350.D

Acq: 23 Jun 2018 19:35

Instrument :
MSVOA_D
ClientSampleId :

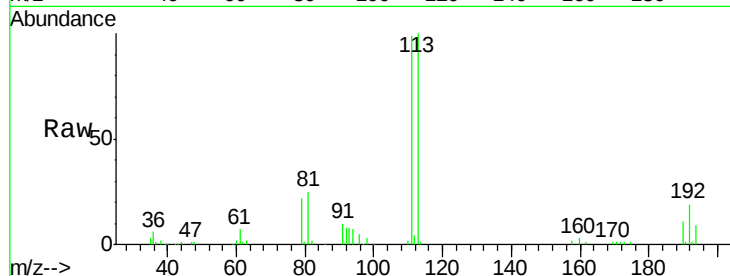
Tot Ion:113 Resp: 338086

Ion Ratio Lower Upper

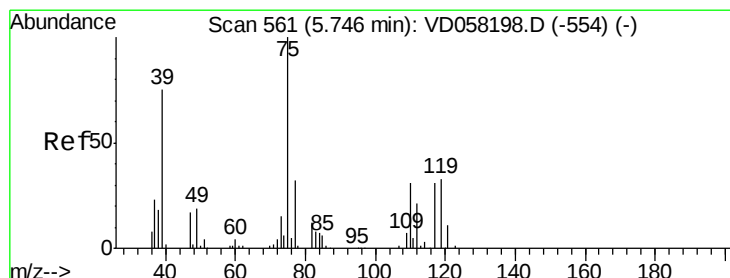
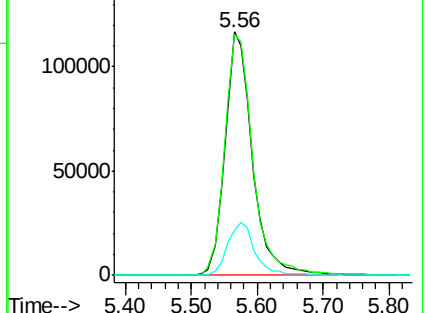
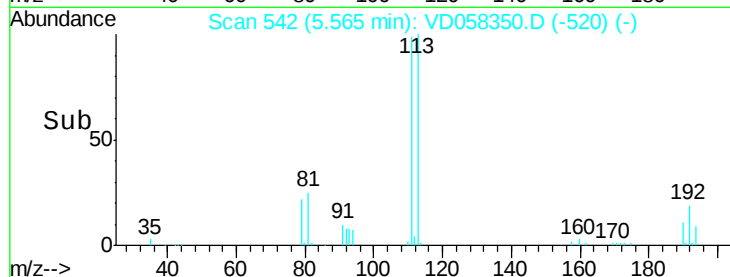
113 100

111 99.2 80.6 121.0

192 18.8 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



#36

1,1-Dichloropropene

Concen: 5.77 ug/l

RT: 5.66 min Scan# 552

Delta R.T. -0.08 min

Lab File: VD058350.D

Acq: 23 Jun 2018 19:35

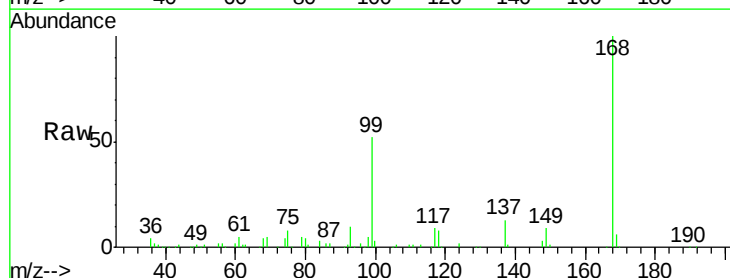
Tgt Ion: 75 Resp: 60462

Ion Ratio Lower Upper

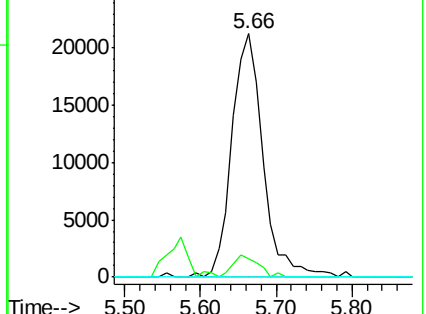
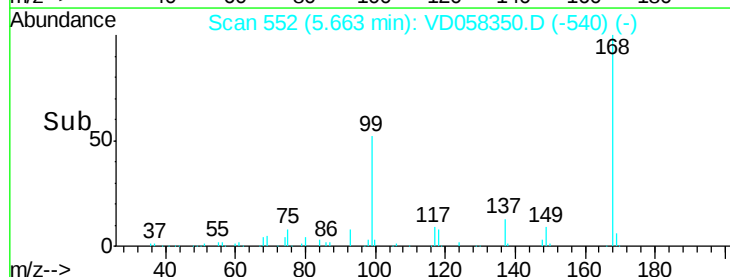
75 100

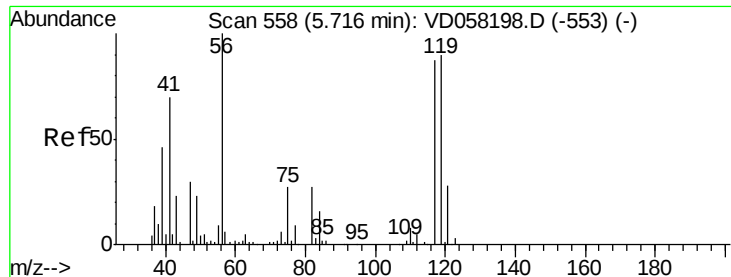
110 7.3 15.4 46.4#

77 0.0 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

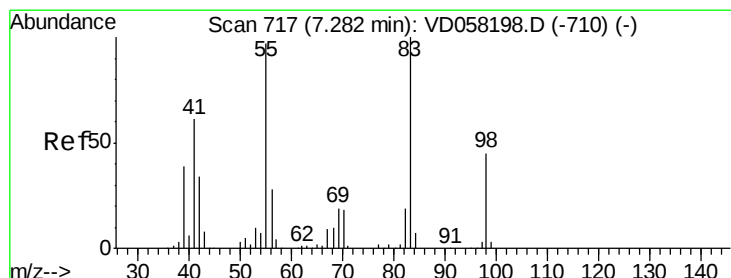
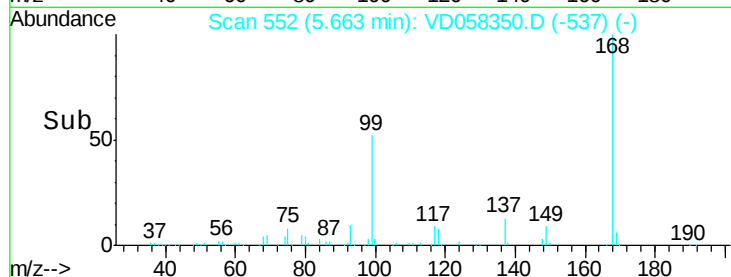
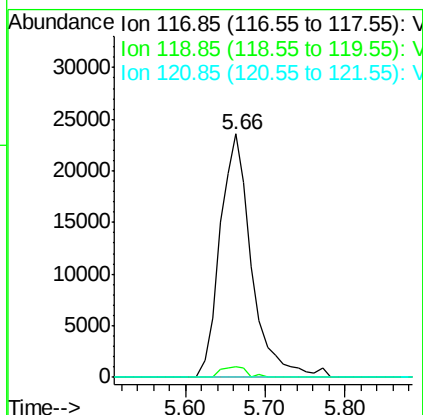
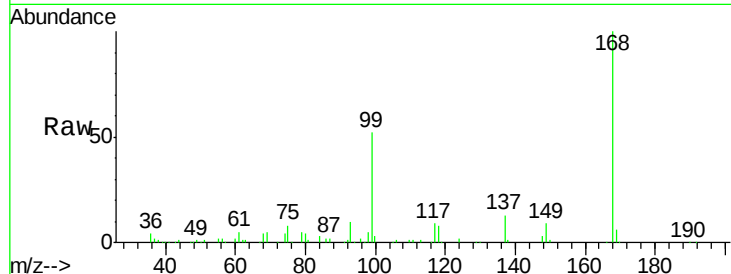




#38
Carbon Tetrachloride
Concen: 6.29 ug/l
RT: 5.66 min Scan# 552
Delta R.T. -0.05 min
Lab File: VD058350.D
Acq: 23 Jun 2018 19:35

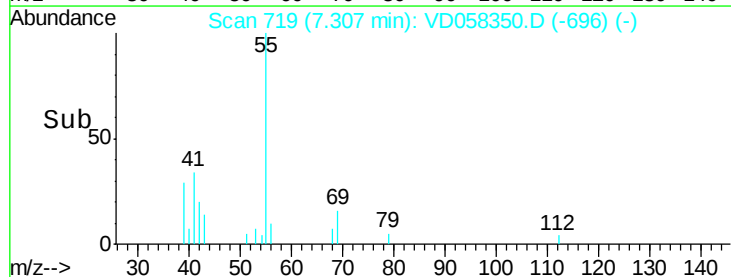
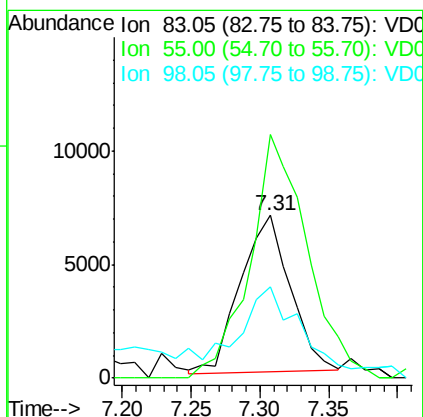
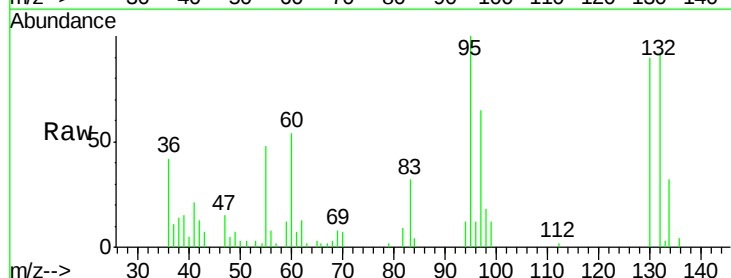
Instrument :
MSVOA_D
ClientSampleId :

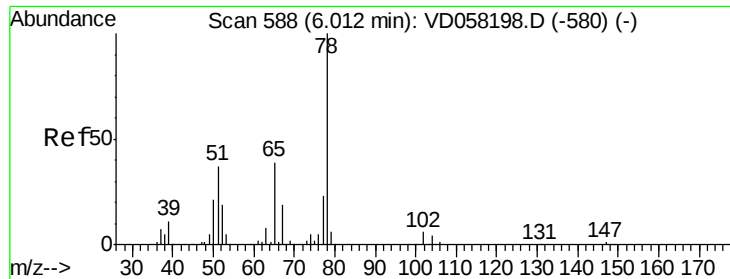
Tot Ion:117 Resp: 65487
Ion Ratio Lower Upper
117 100
119 4.6 78.8 118.2#
121 0.0 25.0 37.6#



#39
Methylcyclohexane
Concen: 1.70 ug/l
RT: 7.31 min Scan# 719
Delta R.T. 0.03 min
Lab File: VD058350.D
Acq: 23 Jun 2018 19:35

Tgt Ion: 83 Resp: 17407
Ion Ratio Lower Upper
83 100
55 150.0 77.4 116.2#
98 55.9 35.9 53.9#





#40

Benzene

Concen: 2.99 ug/l

RT: 6.04 min Scan# 590

Delta R.T. 0.03 min

Lab File: VD058350.D

Acq: 23 Jun 2018 19:35

Instrument :

MSVOA_D

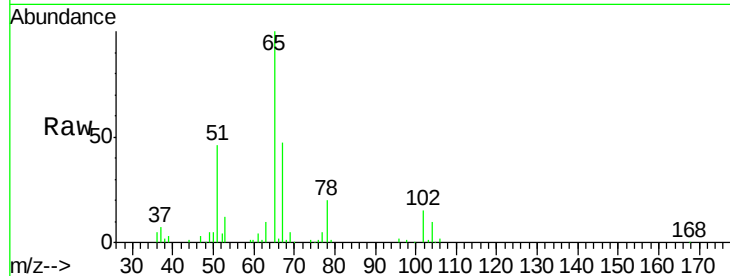
ClientSampleId :

Tot Ion: 78 Resp: 74581

Ion Ratio Lower Upper

78 100

77 25.7 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

6.04

25000

20000

15000

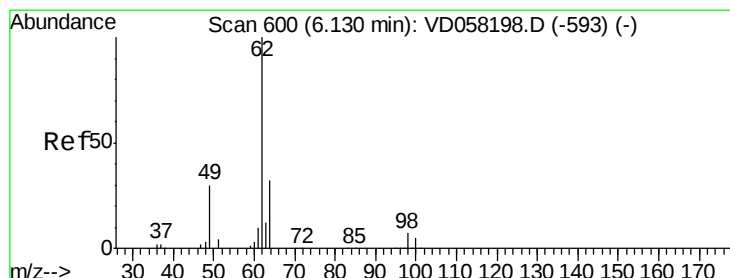
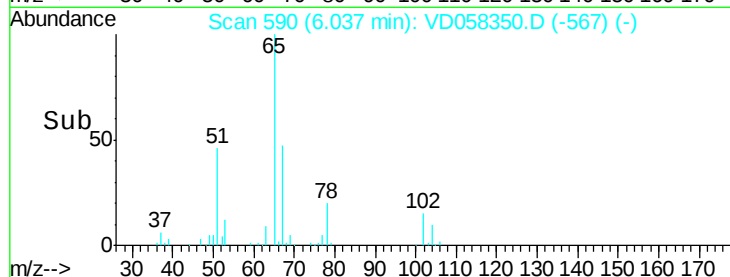
10000

5000

0

Time-->

5.90 6.00 6.10 6.20



#42

1,2-Dichloroethane

Concen: 3.13 ug/l

RT: 6.15 min Scan# 601

Delta R.T. 0.02 min

Lab File: VD058350.D

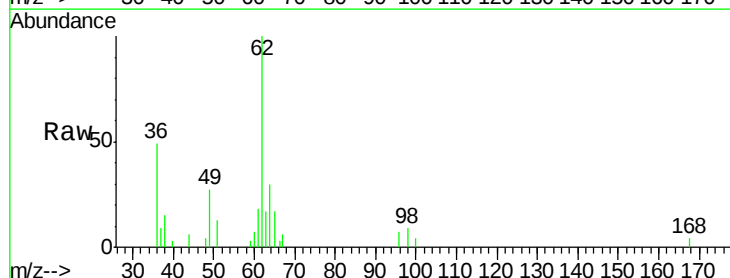
Acq: 23 Jun 2018 19:35

Tgt Ion: 62 Resp: 31488

Ion Ratio Lower Upper

62 100

98 9.1 0.0 13.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

6.15

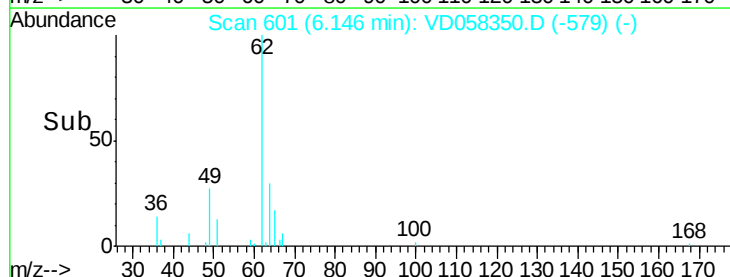
10000

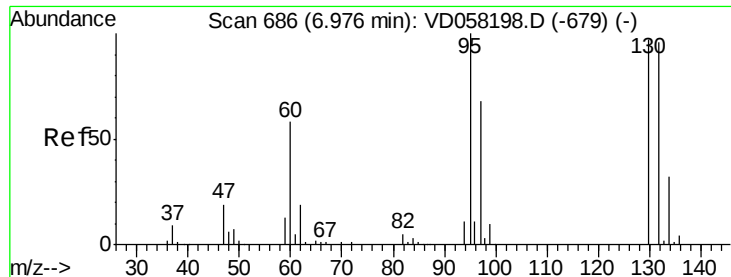
5000

0

Time-->

6.10 6.20 6.30





#44

Trichloroethene

Concen: 913.63 ug/l

RT: 7.00 min Scan# 688

Delta R.T. 0.03 min

Lab File: VD058350.D

Acq: 23 Jun 2018 19:35

Instrument :

MSVOA_D

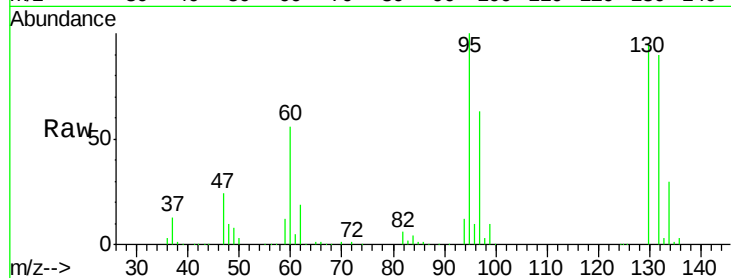
ClientSampleId :

Tot Ion:130 Resp: 6852711

Ion Ratio Lower Upper

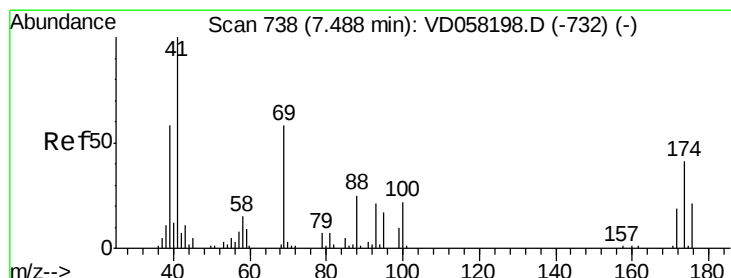
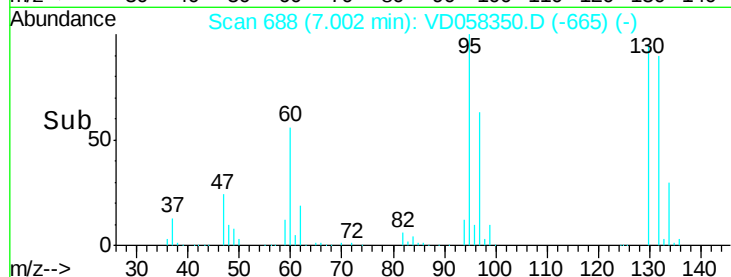
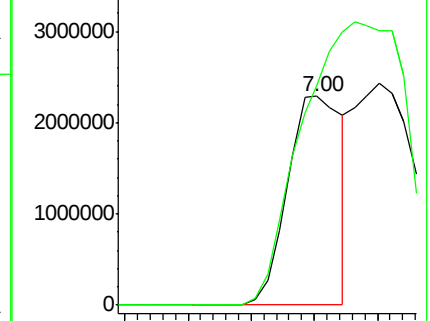
130 100

95 105.2 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC



#49

1,4-Dioxane

Concen: 5.26 ug/l

RT: 7.50 min Scan# 739

Delta R.T. 0.02 min

Lab File: VD058350.D

Acq: 23 Jun 2018 19:35

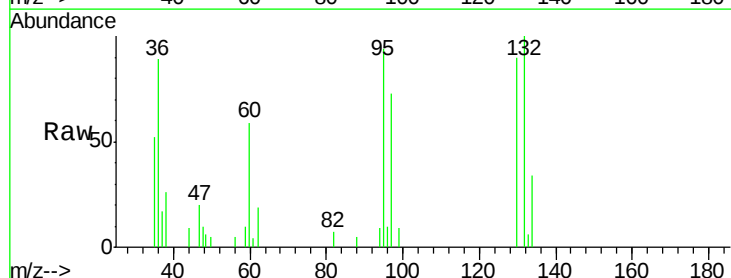
Tgt Ion: 88 Resp: 230

Ion Ratio Lower Upper

88 100

43 0.0 34.2 51.2#

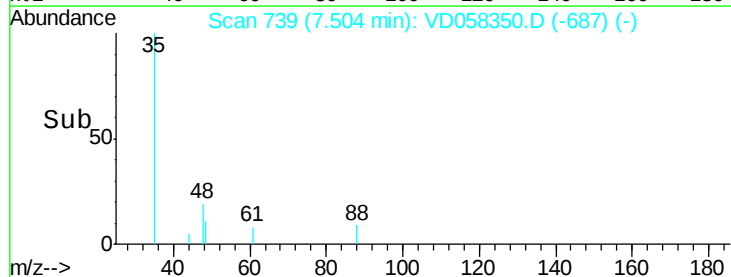
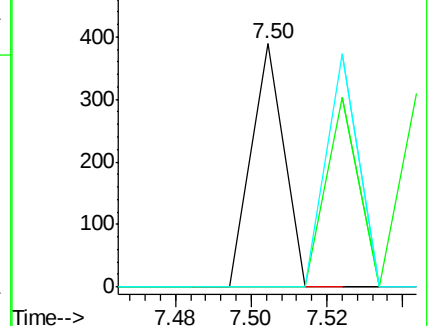
58 0.0 47.9 71.9#

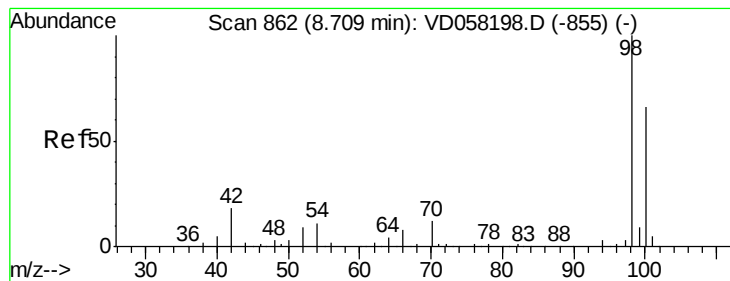


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC





#50

Toluene-d8

Concen: 5.26 ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.02 min

Lab File: VD058350.D

Acq: 23 Jun 2018 19:35

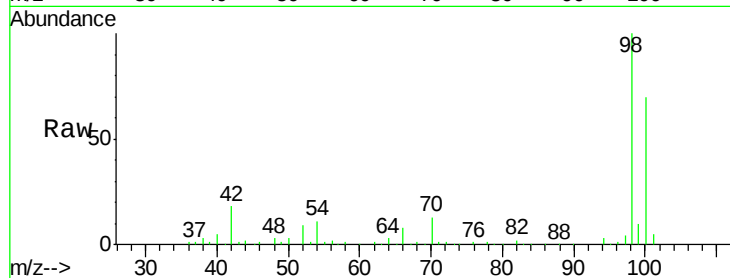
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 797753

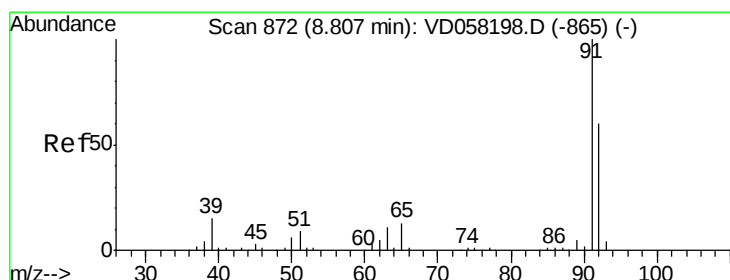
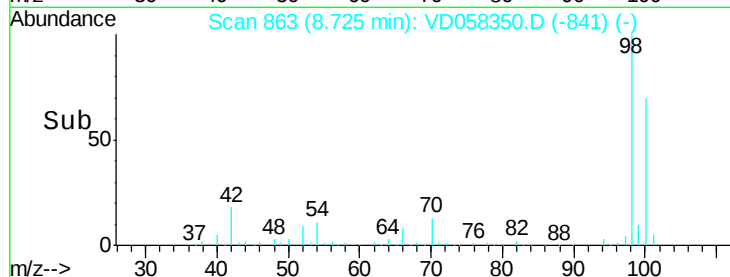
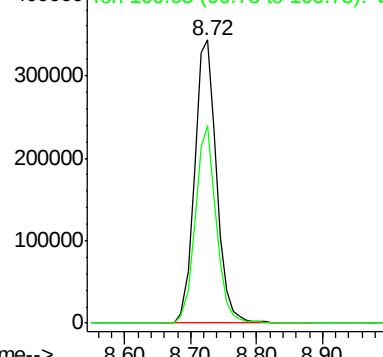
Ion Ratio Lower Upper

98 100

100 69.9 53.6 80.4



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



#52

Toluene

Concen: 4.93 ug/l

RT: 8.81 min Scan# 872

Delta R.T. 0.01 min

Lab File: VD058350.D

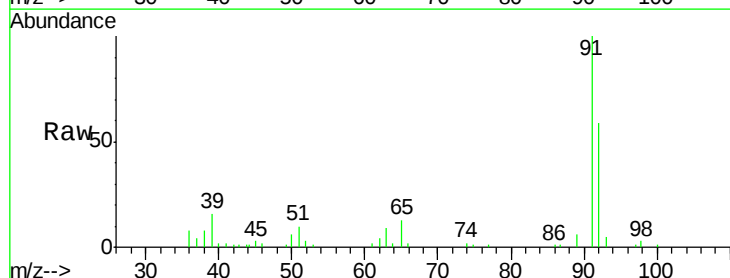
Acq: 23 Jun 2018 19:35

Tgt Ion: 92 Resp: 70118

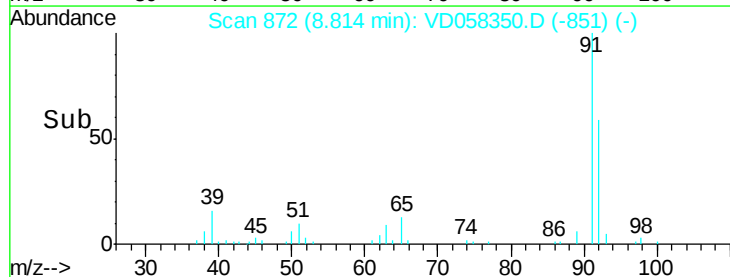
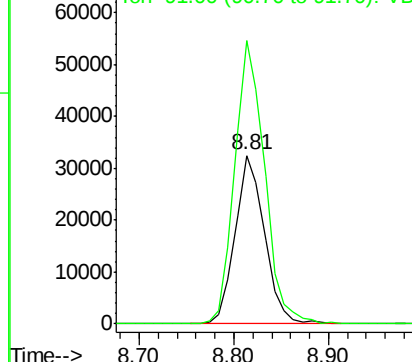
Ion Ratio Lower Upper

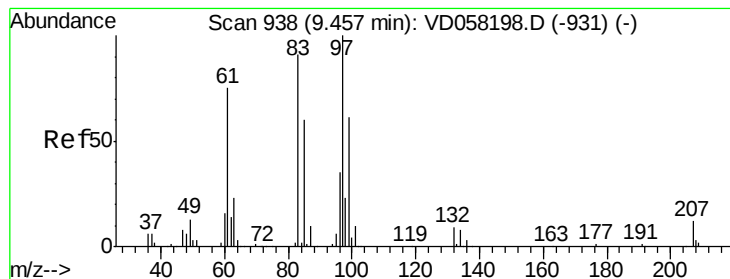
92 100

91 168.1 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC





#55

1,1,2-Trichloroethane

Concen: 4.40 ug/l

RT: 9.46 min Scan# 938

Delta R.T. 0.01 min

Lab File: VD058350.D

Acq: 23 Jun 2018 19:35

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 22143

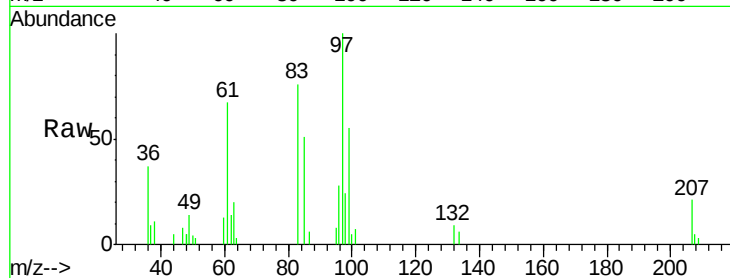
Ion Ratio Lower Upper

97 100

83 76.4 72.9 109.3

85 51.1 48.2 72.4

99 55.0 48.9 73.3

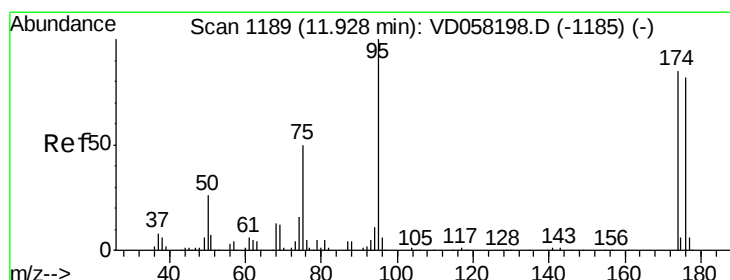
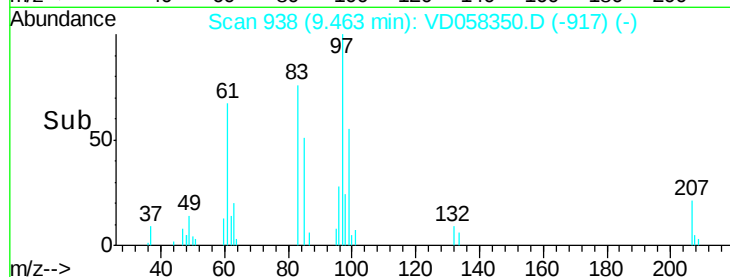
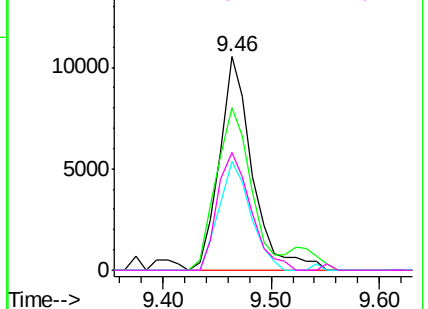


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD058350.D

Acq: 23 Jun 2018 19:35

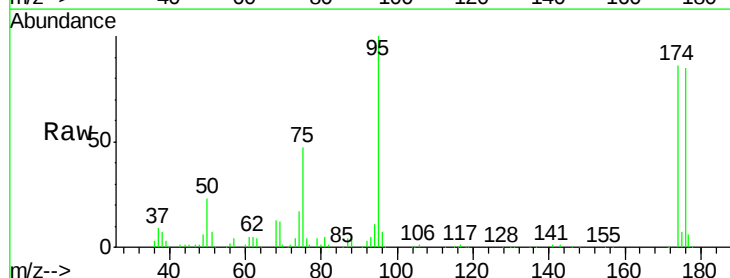
Tgt Ion: 95 Resp: 321209

Ion Ratio Lower Upper

95 100

174 86.3 0.0 170.2

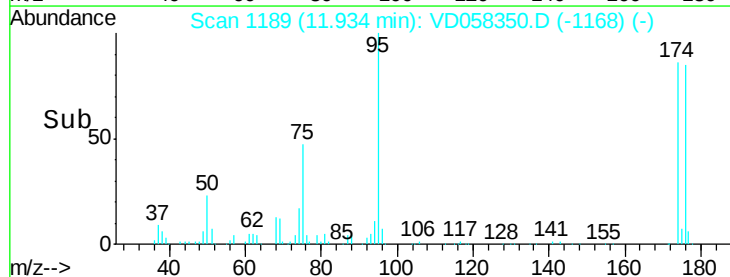
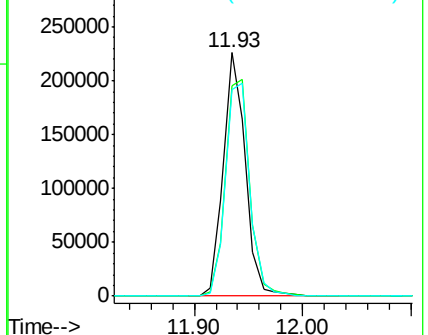
176 84.8 0.0 164.6

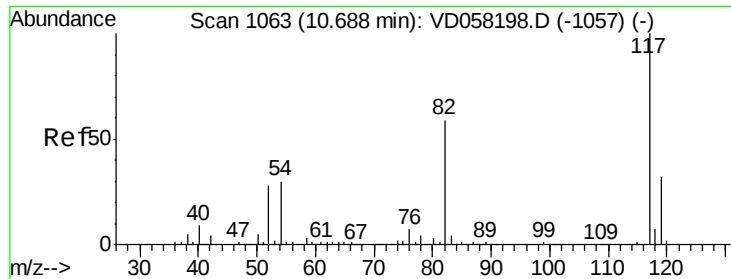


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

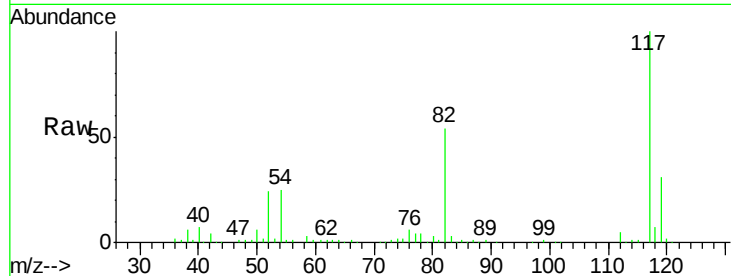




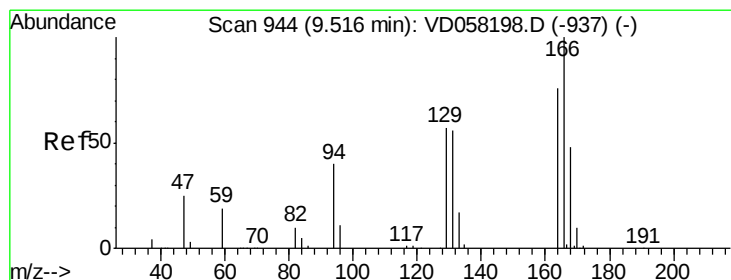
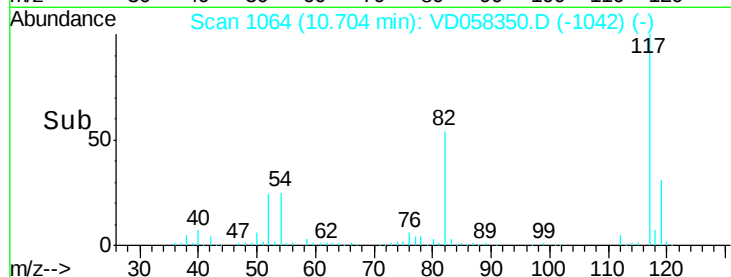
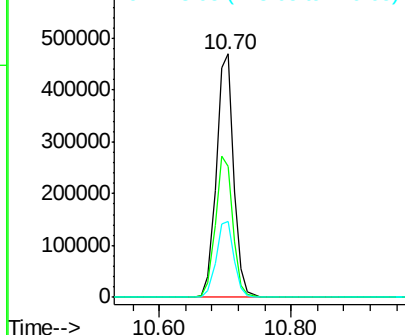
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.02 min
Lab File: VD058350.D
Acq: 23 Jun 2018 19:35

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 857183
Ion Ratio Lower Upper
117 100
82 53.7 47.0 70.6
119 31.3 25.3 37.9

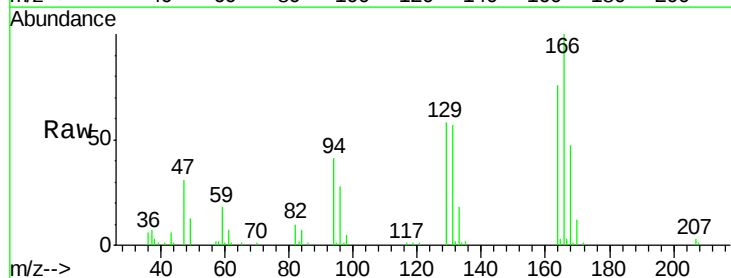


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

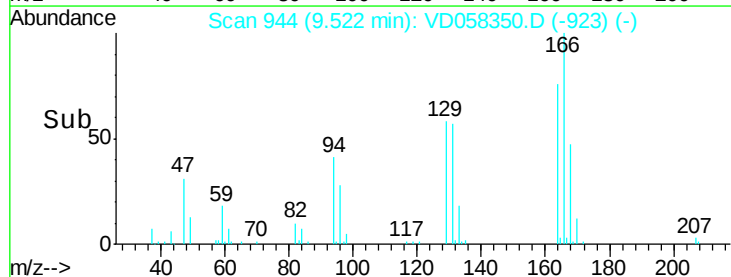
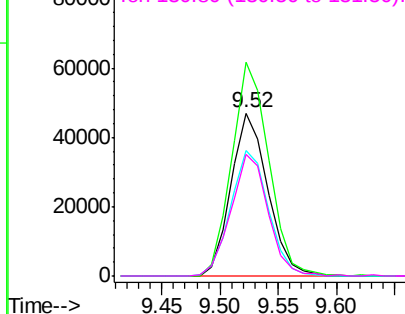


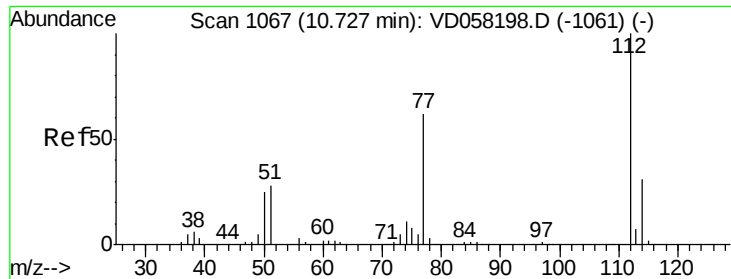
#64
Tetrachloroethene
Concen: 14.23 ug/l
RT: 9.52 min Scan# 944
Delta R.T. 0.01 min
Lab File: VD058350.D
Acq: 23 Jun 2018 19:35

Tgt Ion:164 Resp: 102608
Ion Ratio Lower Upper
164 100
166 130.9 105.4 158.0
129 76.6 59.6 89.4
131 74.2 59.4 89.2



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

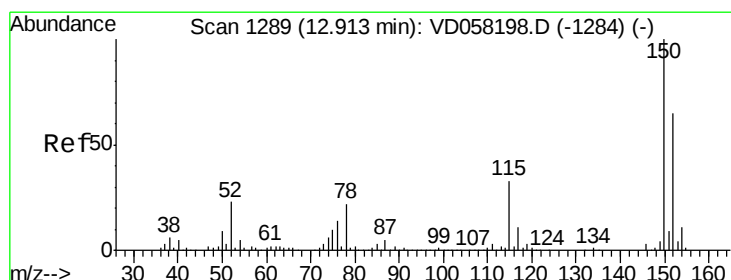
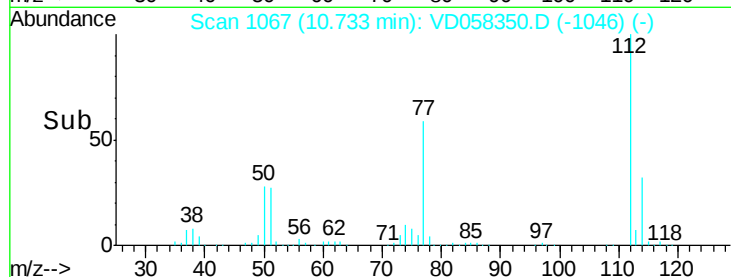
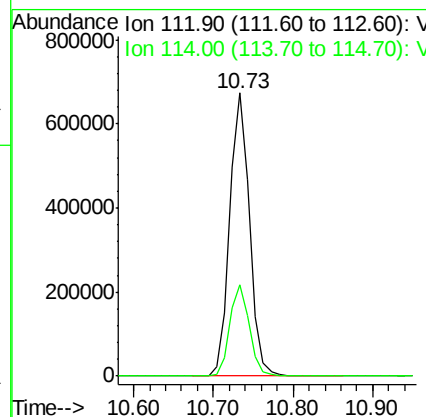
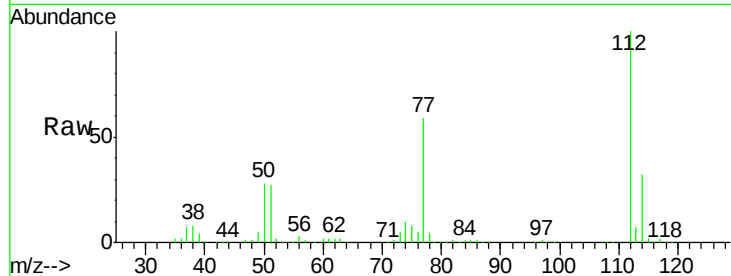




#65
Chlorobenzene
Concen: 74.08 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VD058350.D
Acq: 23 Jun 2018 19:35

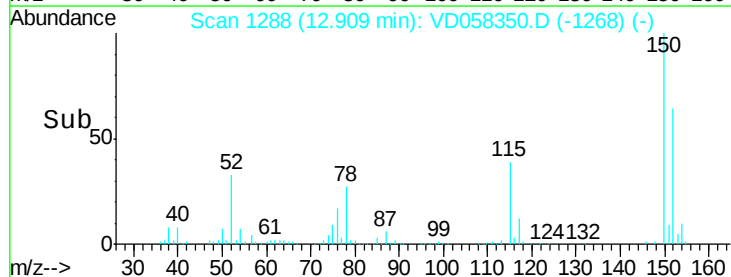
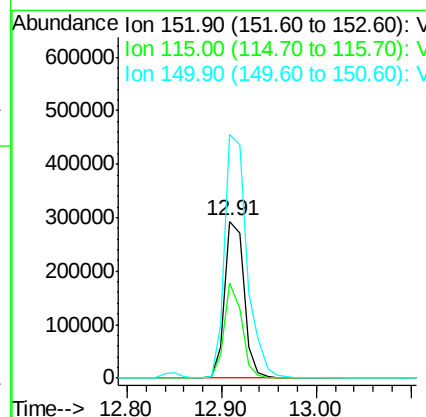
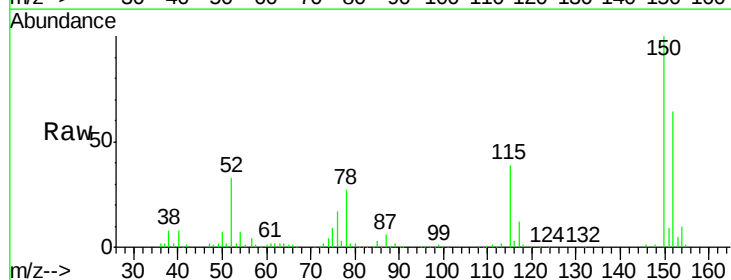
Instrument :
MSVOA_D
ClientSampleId :

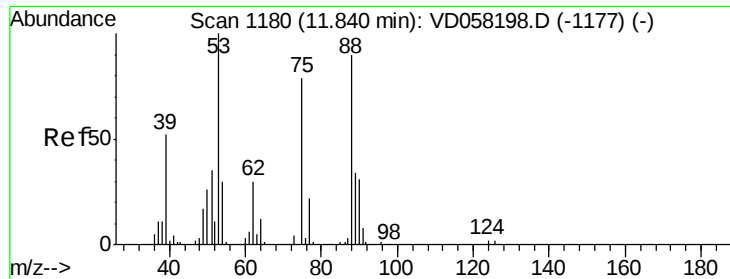
Tot Ion:112 Resp: 1187741
Ion Ratio Lower Upper
112 100
114 32.3 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VD058350.D
Acq: 23 Jun 2018 19:35

Tgt Ion:152 Resp: 414418
Ion Ratio Lower Upper
152 100
115 60.6 25.1 75.3
150 155.1 0.0 308.8





#81

trans-1,4-Dichloro-2-butene

Concen: 100.06 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058350.D

Acq: 23 Jun 2018 19:35

Instrument :

MSVOA_D

ClientSampleId :

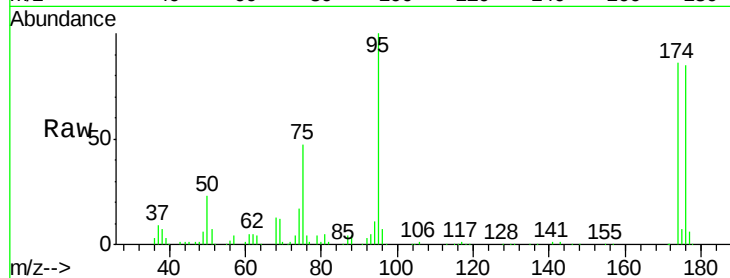
Tot Ion: 75 Resp: 147662

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

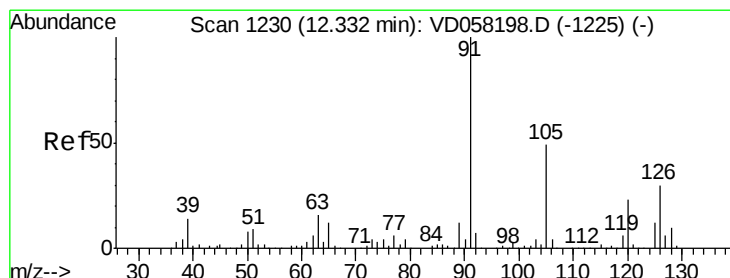
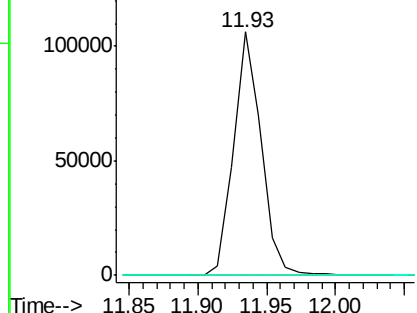
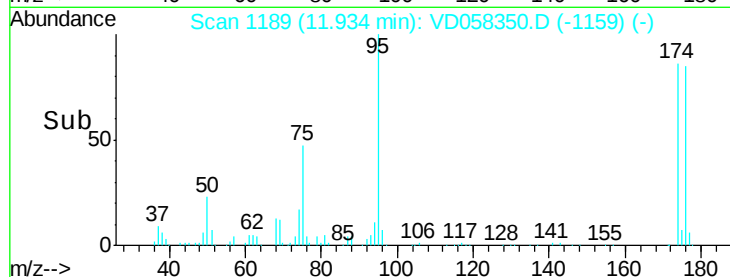
89 0.0 34.6 52.0#



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



#82

4-Chlorotoluene

Concen: Below Cal

RT: 12.33 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VD058350.D

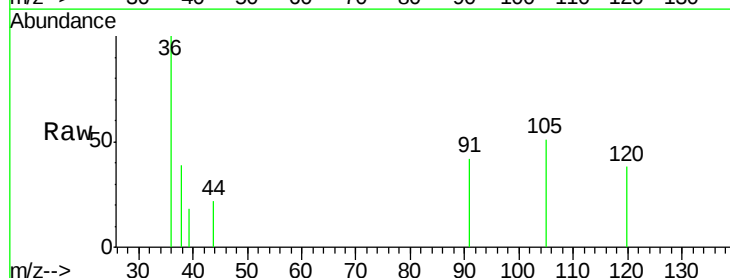
Acq: 23 Jun 2018 19:35

Tgt Ion: 91 Resp: 845

Ion Ratio Lower Upper

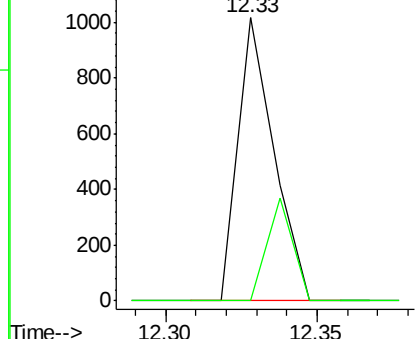
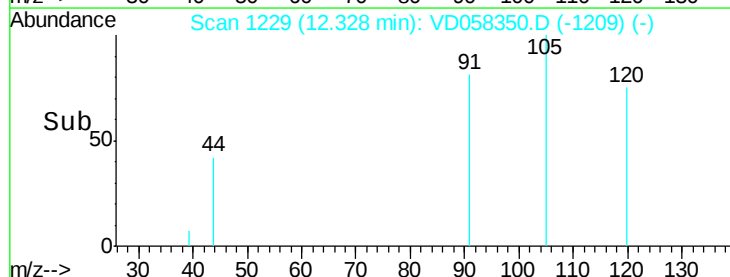
91 100

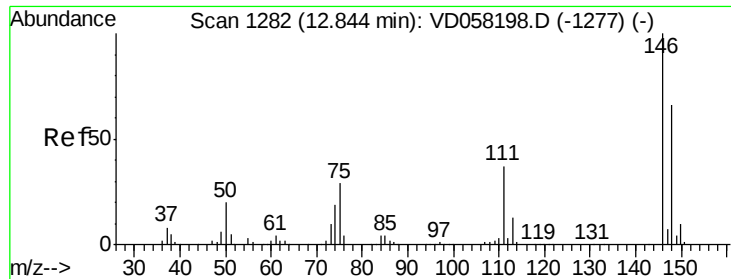
126 0.0 14.9 44.9#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

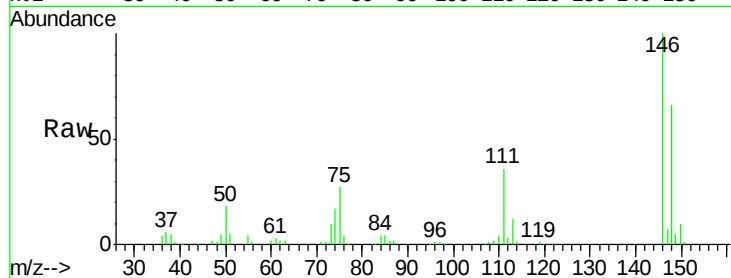




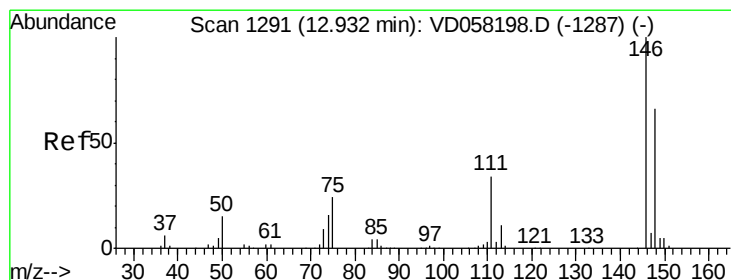
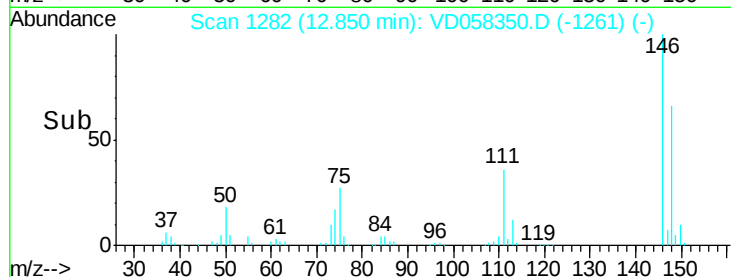
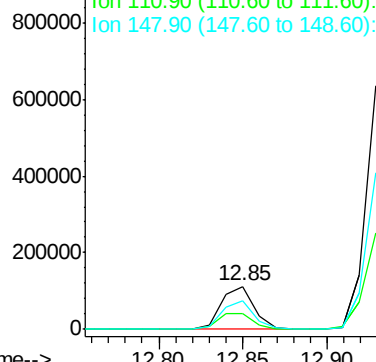
#87
 1,3-Dichlorobenzene
 Concen: 11.70 ug/l
 RT: 12.85 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: VD058350.D
 Acq: 23 Jun 2018 19:35

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 151007
 Ion Ratio Lower Upper
 146 100
 111 35.7 18.4 55.0
 148 65.7 32.8 98.4

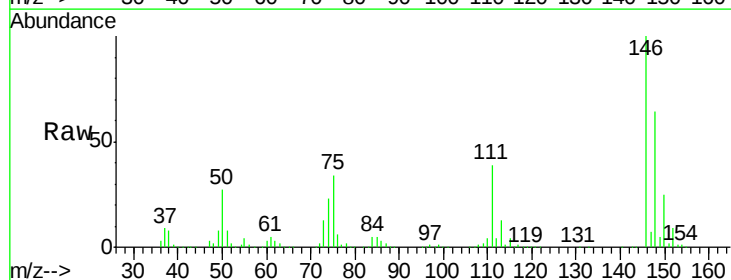


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

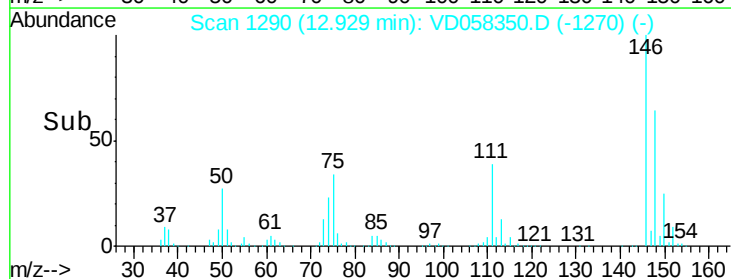
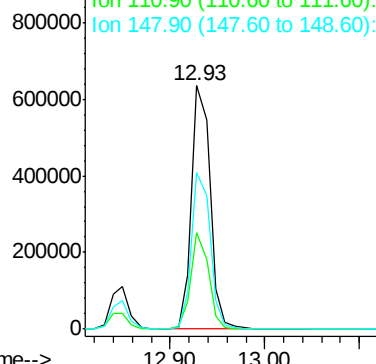


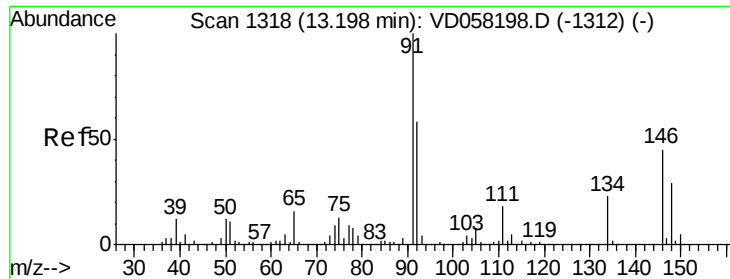
#88
 1,4-Dichlorobenzene
 Concen: 68.84 ug/l
 RT: 12.93 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD058350.D
 Acq: 23 Jun 2018 19:35

Tgt Ion:146 Resp: 867304
 Ion Ratio Lower Upper
 146 100
 111 39.4 17.2 51.5
 148 64.4 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



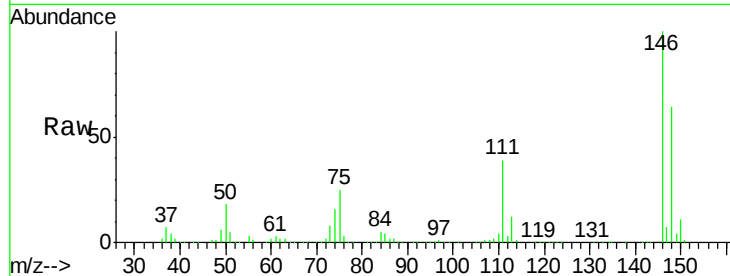


#91
 1,2-Dichlorobenzene
 Concen: 168.91 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. 0.01 min
 Lab File: VD058350.D
 Acq: 23 Jun 2018 19:35

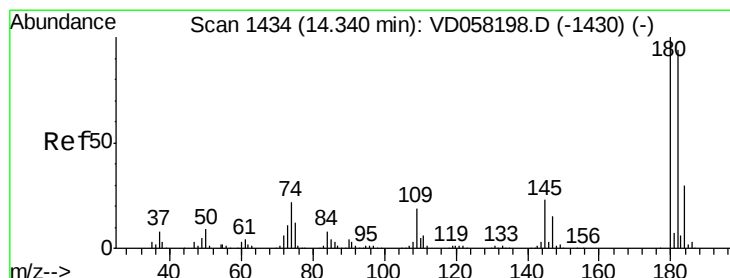
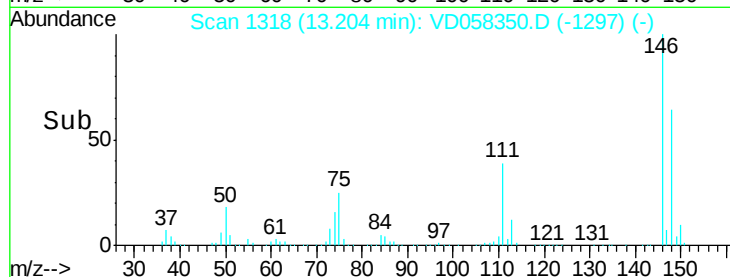
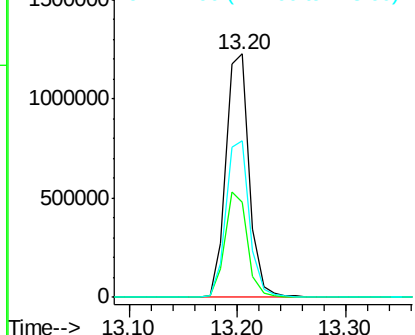
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 1854437

Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.7
148	64.2	32.0	96.2



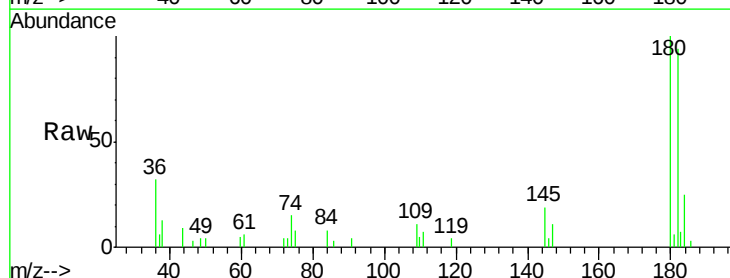
Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



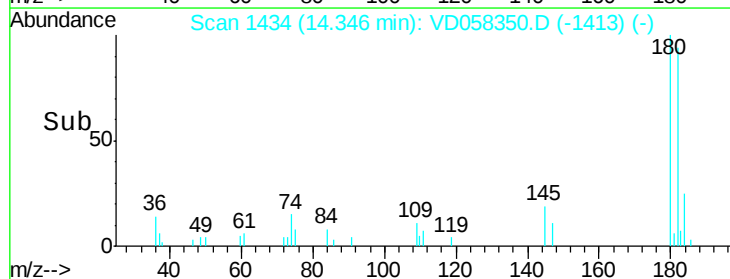
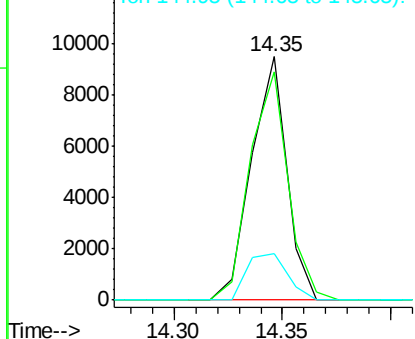
#93
 1,2,4-Trichlorobenzene
 Concen: 1.02 ug/l
 RT: 14.35 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VD058350.D
 Acq: 23 Jun 2018 19:35

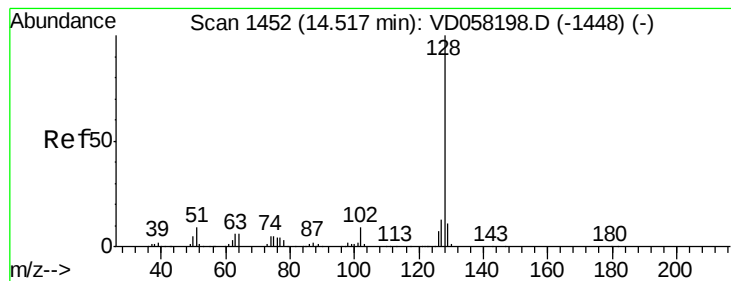
Tgt Ion:180 Resp: 10681

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.1	141.3
145	19.1	11.7	35.0



Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V





#95

Naphthalene

Concen: 1.31 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. 0.01 min

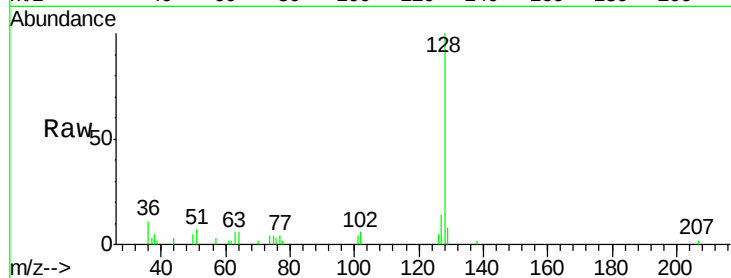
Lab File: VD058350.D

Acq: 23 Jun 2018 19:35

Instrument :

MSVOA_D

ClientSampleId :



Tot Ion:128 Resp: 18076

Ion Ratio Lower Upper

128 100

127 14.1 10.0 15.0

129 8.2 8.7 13.1#

