

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058275.D
 Acq On : 22 Jun 2018 3:52
 Operator : VA/AP
 Sample : J3622-08RE
 Misc : 5.94g/5ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-B

Quant Time: Jun 22 06:19:49 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	6666	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	13718	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	14063	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	7046	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	9388	139.43	ug/l	0.00
Spiked Amount			Recovery	=	278.86%	
35) Dibromofluoromethane	5.55	113	4634	41.50	ug/l	0.00
Spiked Amount			Recovery	=	83.00%	
50) Toluene-d8	8.72	98	14710	54.46	ug/l	0.00
Spiked Amount			Recovery	=	108.92%	
62) 4-Bromofluorobenzene	11.93	95	7237	65.59	ug/l	0.00
Spiked Amount			Recovery	=	131.18%	

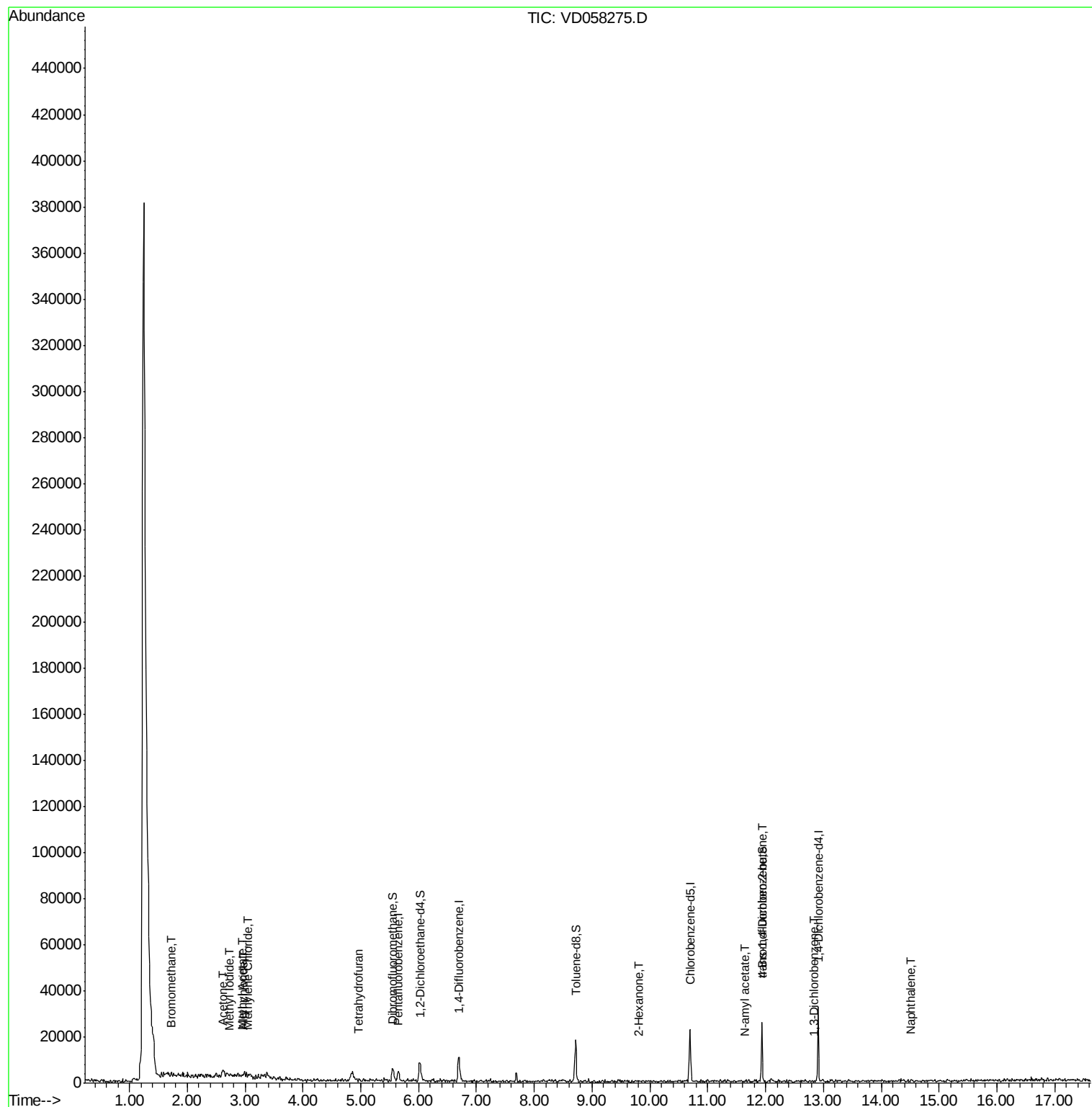
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.74	94	216	16.145	ug/l #	3
10) Methyl Iodide	2.72	142	231	6.672	ug/l #	28
14) Allyl chloride	2.97	41	401	7.523	ug/l #	10
16) Acetone	2.61	43	6522	708.288	ug/l #	68
18) Methyl Acetate	2.95	43	477	24.290	ug/l #	65
20) Methylene Chloride	3.05	84	209	4.343	ug/l #	1
29) Tetrahydrofuran	4.98	42	182	17.037	ug/l #	37
59) 2-Hexanone	9.81	43	227	4.672	ug/l #	32
74) N-amyl acetate	11.65	43	194	1.190	ug/l #	53
81) trans-1,4-Dichloro-2-buten	11.93	75	3514	140.055	ug/l #	1
87) 1,3-Dichlorobenzene	12.84	146	361	1.646	ug/l #	25
95) Naphthalene	14.52	128	903	3.840	ug/l #	39

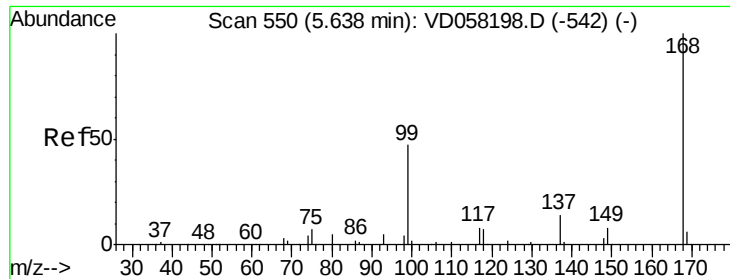
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062118\
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Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD058275.D

Acq: 22 Jun 2018 3:52

Instrument :

MSVOA_D

ClientSampleId :

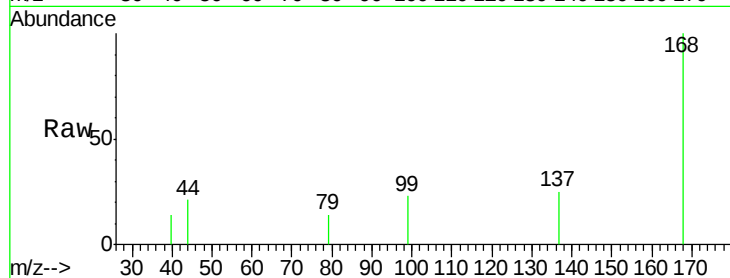
SP-B

Tot Ion:168 Resp: 6666

Ion Ratio Lower Upper

168 100

99 23.4 41.1 61.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.65

3000

2500

2000

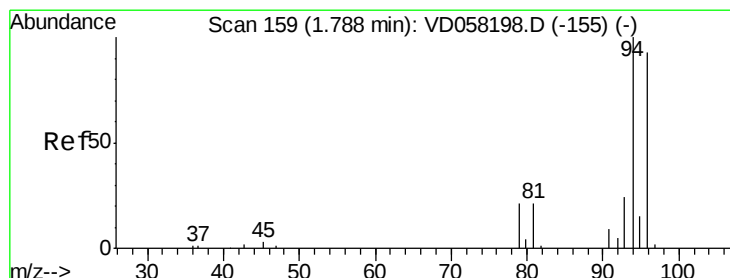
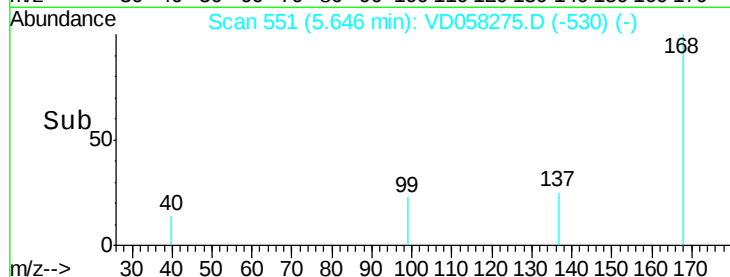
1500

1000

500

0

Time--> 5.55 5.60 5.65 5.70



#5

Bromomethane

Concen: 16.145 ug/l

RT: 1.74 min Scan# 154

Delta R.T. -0.05 min

Lab File: VD058275.D

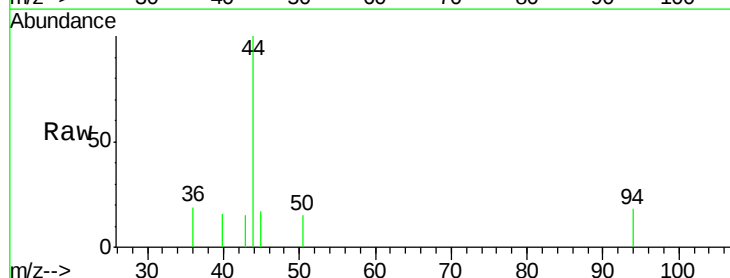
Acq: 22 Jun 2018 3:52

Tgt Ion: 94 Resp: 216

Ion Ratio Lower Upper

94 100

96 0.0 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

1.74

400

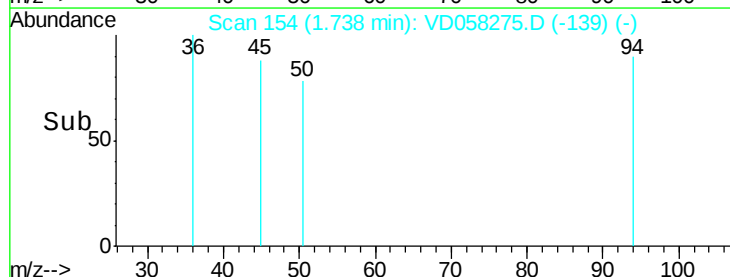
300

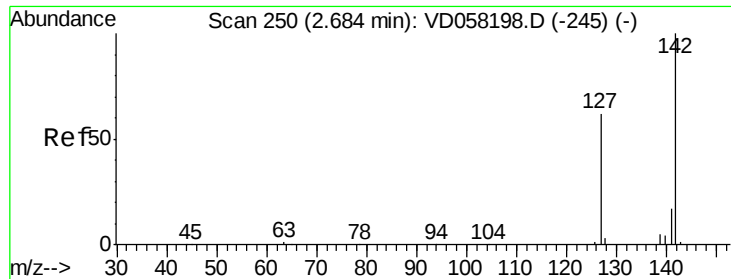
200

100

0

Time--> 1.70 1.72 1.74 1.76

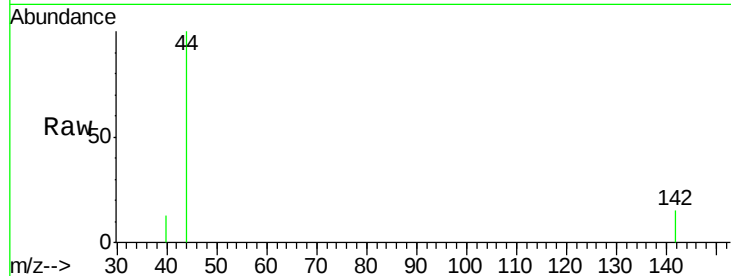




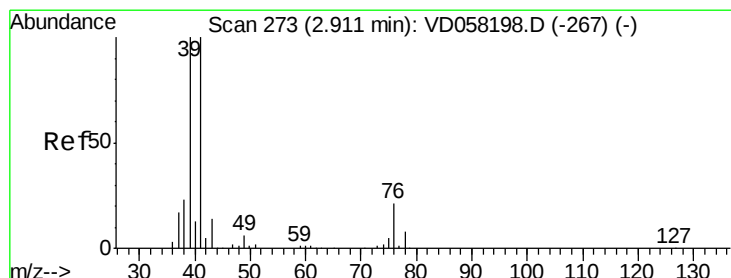
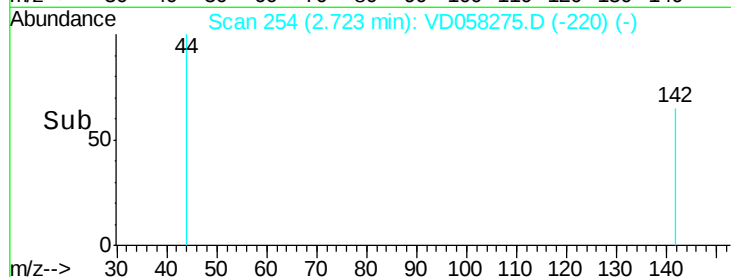
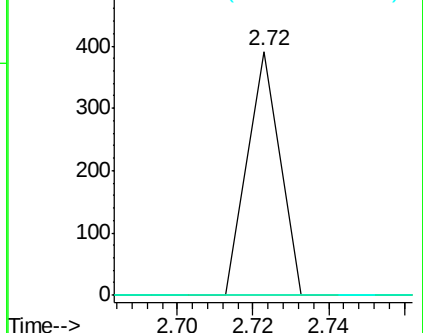
#10
Methyl Iodide
Concen: 6.672 ug/l
RT: 2.72 min Scan# 254
Delta R.T. 0.04 min
Lab File: VD058275.D
Acq: 22 Jun 2018 3:52

Instrument :
MSVOA_D
ClientSampled :
SP-B

Tot Ion:142 Resp: 231
Ion Ratio Lower Upper
142 100
127 0.0 49.4 74.0#
141 0.0 13.5 20.3#

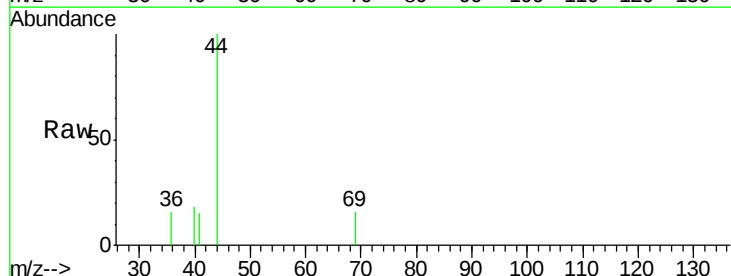


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

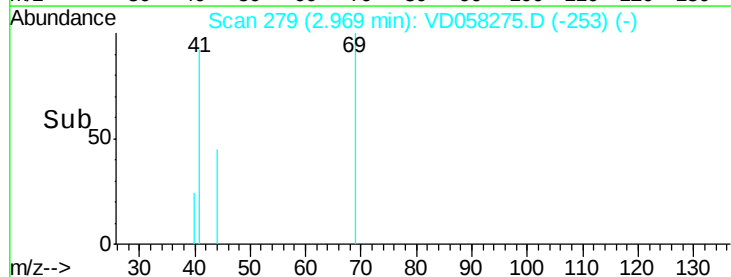
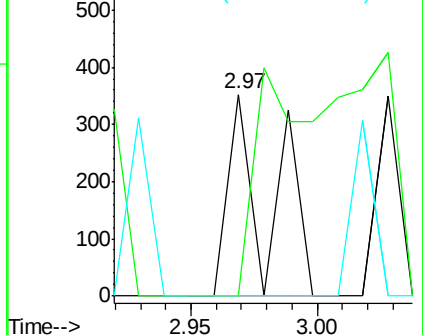


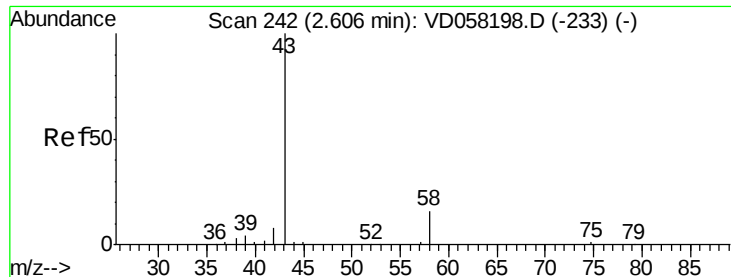
#14
Allyl chloride
Concen: 7.523 ug/l
RT: 2.97 min Scan# 279
Delta R.T. 0.06 min
Lab File: VD058275.D
Acq: 22 Jun 2018 3:52

Tgt Ion: 41 Resp: 401
Ion Ratio Lower Upper
41 100
39 0.0 80.1 120.1#
76 0.0 19.4 29.2#



Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC





#16

Acetone

Concen: 708.288 ug/l

RT: 2.61 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD058275.D

Acq: 22 Jun 2018 3:52

Instrument :

MSVOA_D

ClientSampleId :

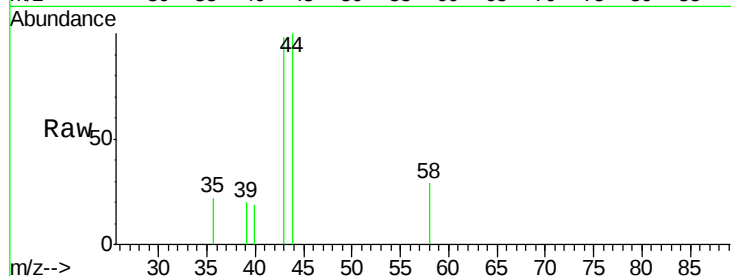
SP-B

Tot Ion: 43 Resp: 6522

Ion Ratio Lower Upper

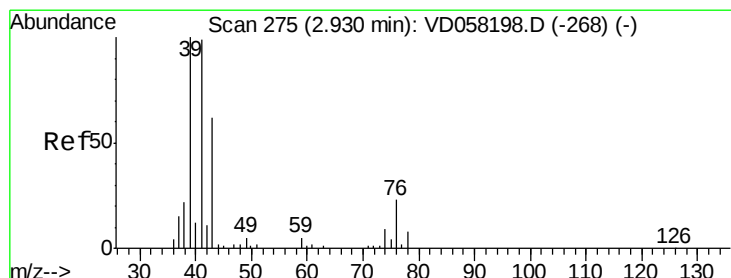
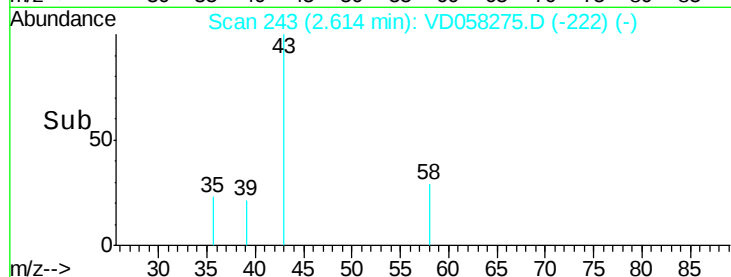
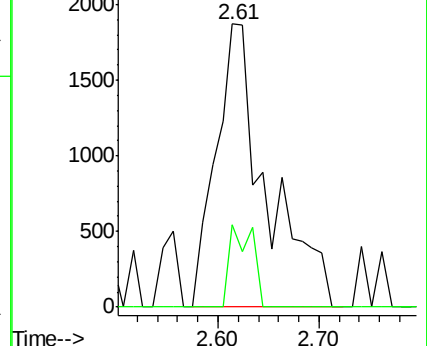
43 100

58 29.3 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Methyl Acetate

Concen: 24.290 ug/l

RT: 2.95 min Scan# 277

Delta R.T. 0.02 min

Lab File: VD058275.D

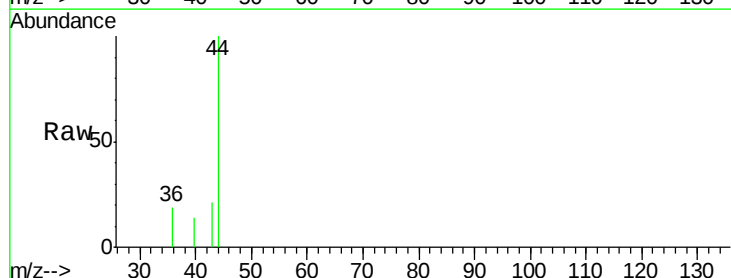
Acq: 22 Jun 2018 3:52

Tgt Ion: 43 Resp: 477

Ion Ratio Lower Upper

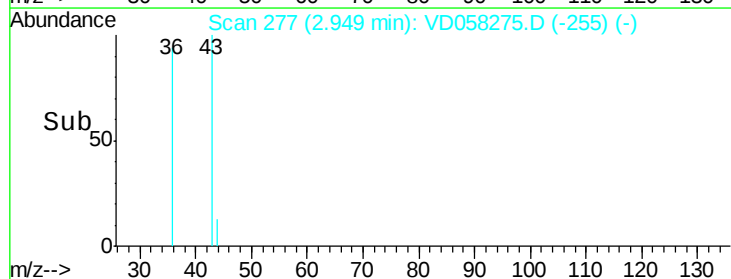
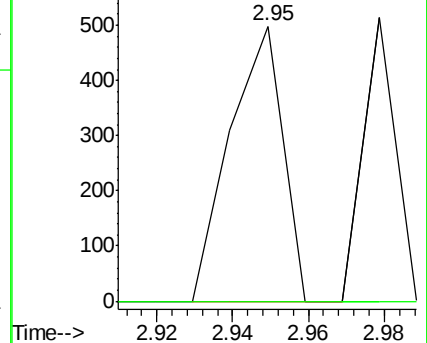
43 100

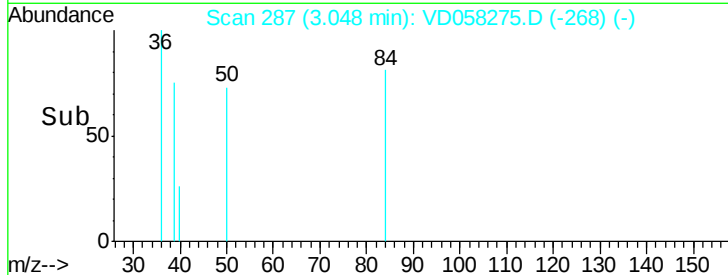
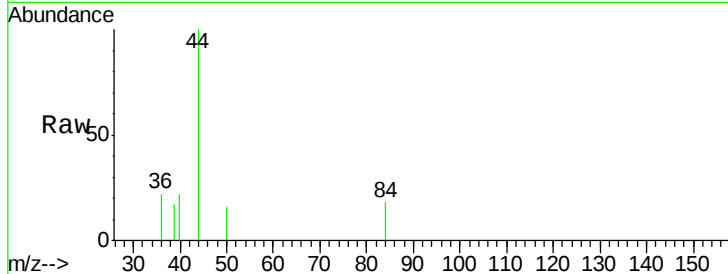
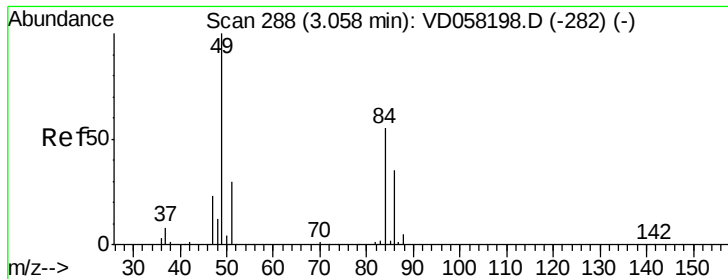
74 0.0 11.7 17.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

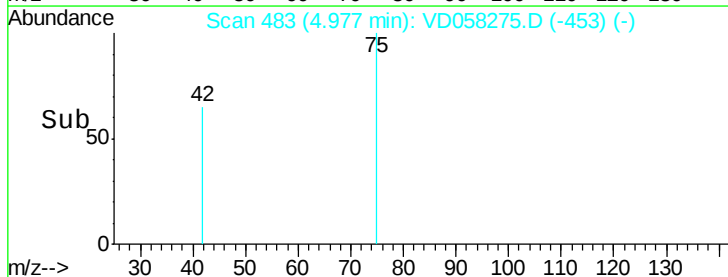
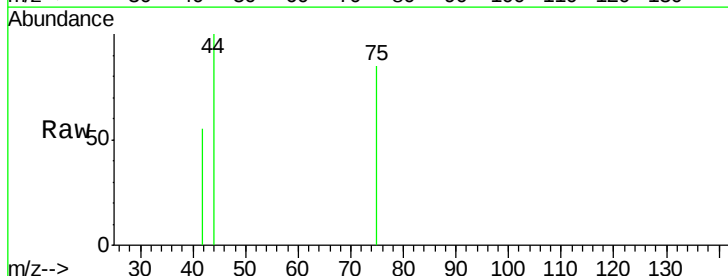
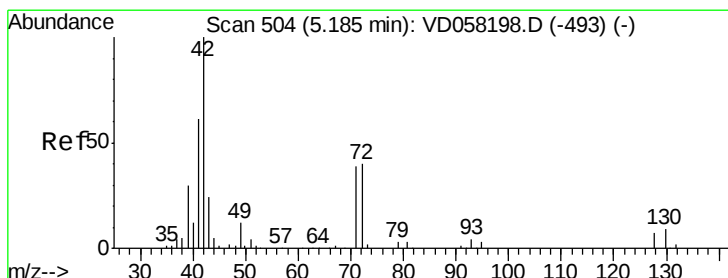
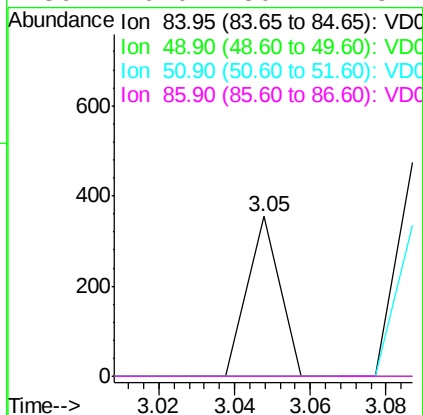




#20
Methylene Chloride
Concen: 4.343 ug/l
RT: 3.05 min Scan# 287
Delta R.T. -0.01 min
Lab File: VD058275.D
Acq: 22 Jun 2018 3:52

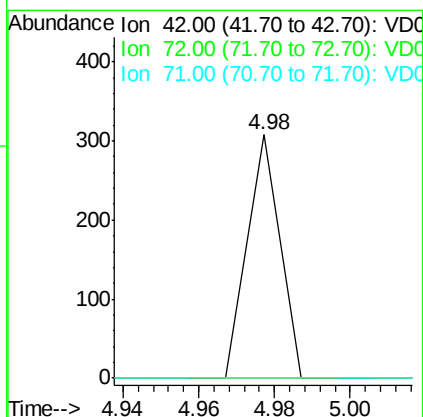
Instrument :
MSVOA_D
ClientSampleId :
SP-B

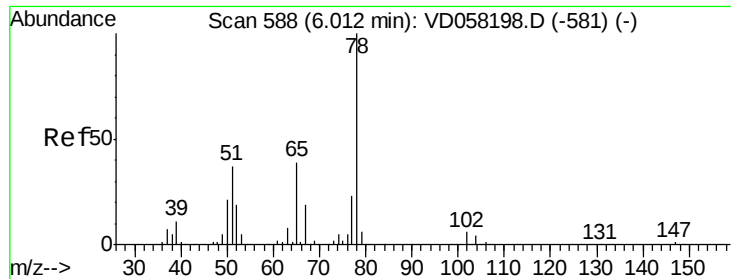
Tot Ion:	84	Resp:	209
Ion	Ratio	Lower	Upper
84	100		
49	0.0	145.0	217.6#
51	0.0	42.9	64.3#
86	0.0	50.1	75.1#



#29
Tetrahydrofuran
Concen: 17.037 ug/l
RT: 4.98 min Scan# 483
Delta R.T. -0.21 min
Lab File: VD058275.D
Acq: 22 Jun 2018 3:52

Tgt Ion:	42	Resp:	182
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.2	45.2#
71	0.0	30.1	45.1#

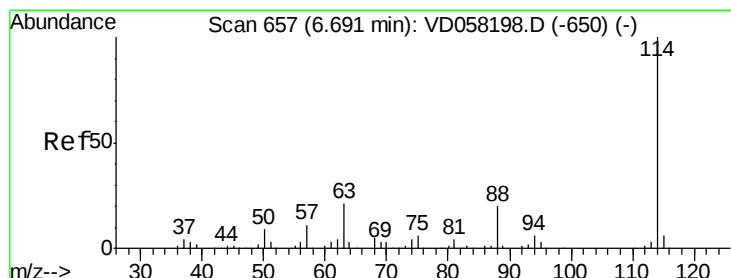
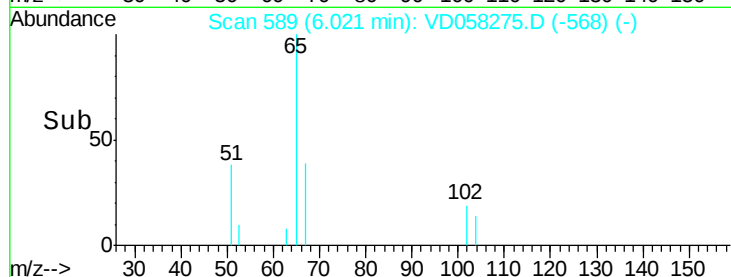
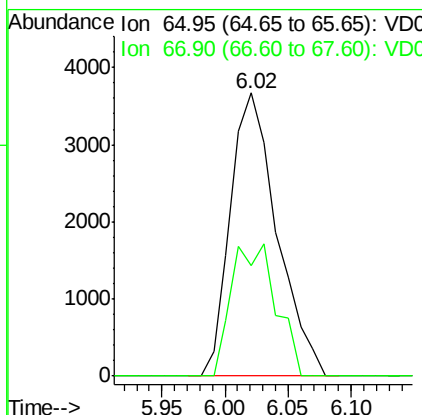
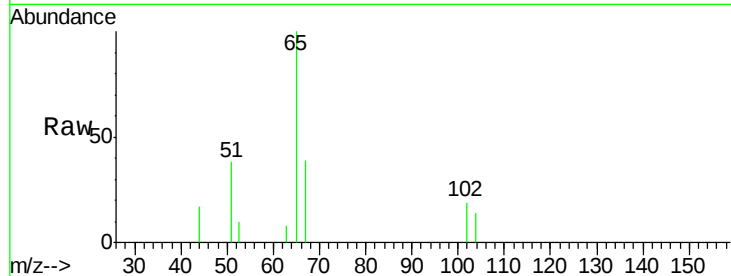




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. 0.01 min
 Lab File: VD058275.D
 Acq: 22 Jun 2018 3:52

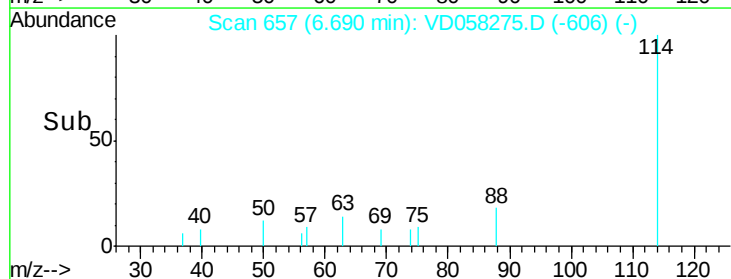
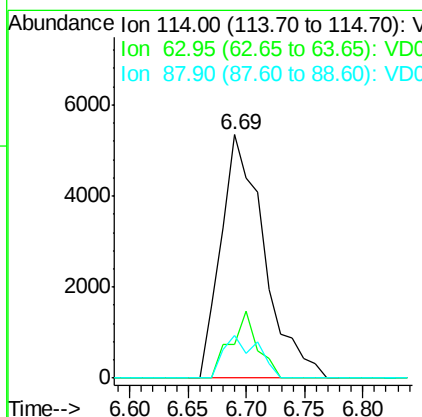
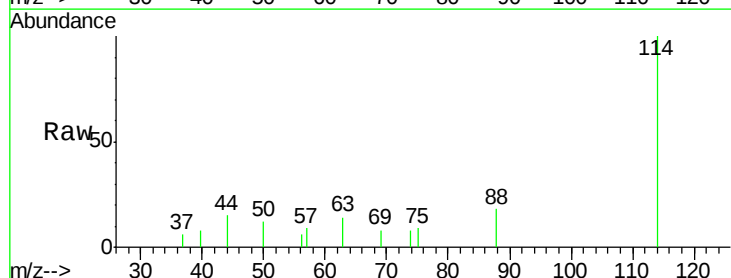
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-B

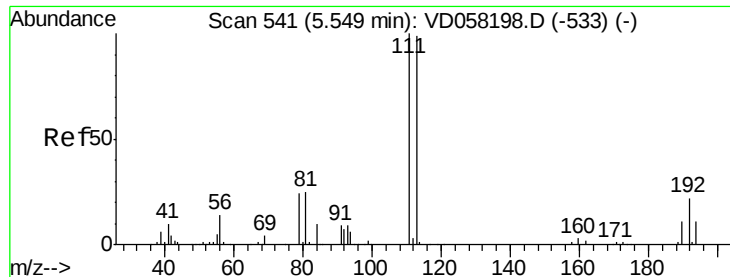
Tot Ion: 65 Resp: 9388
 Ion Ratio Lower Upper
 65 100
 67 39.0 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VD058275.D
 Acq: 22 Jun 2018 3:52

Tgt Ion: 114 Resp: 13718
 Ion Ratio Lower Upper
 114 100
 63 13.7 0.0 42.6
 88 17.8 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.00 min

Lab File: VD058275.D

Acq: 22 Jun 2018 3:52

Instrument :

MSVOA_D

ClientSampleId :

SP-B

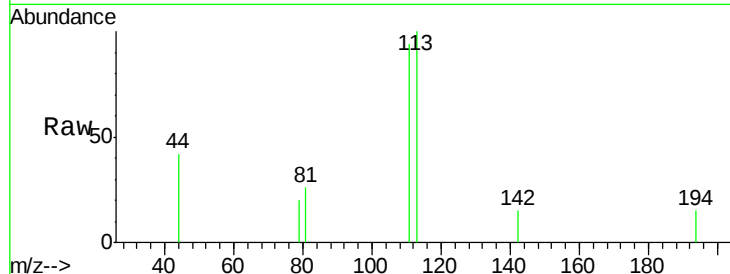
Tot Ion:113 Resp: 4634

Ion Ratio Lower Upper

113 100

111 94.2 80.6 121.0

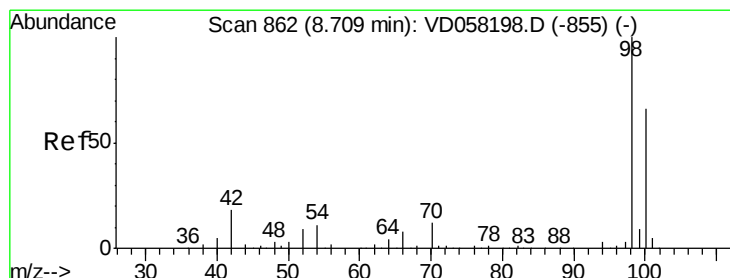
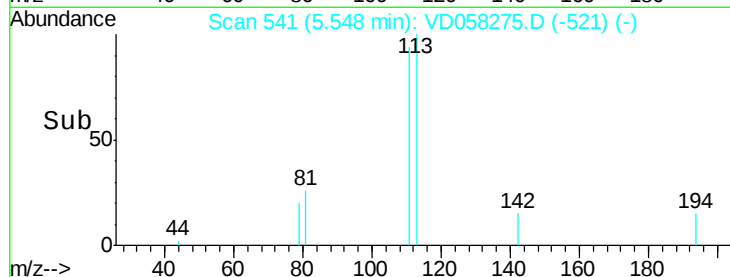
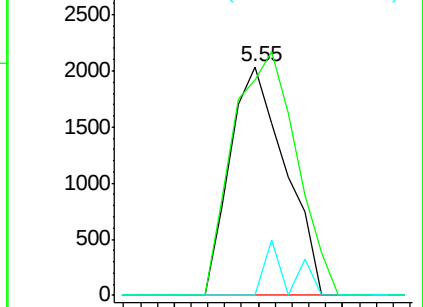
192 0.0 17.8 26.6#



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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD058275.D

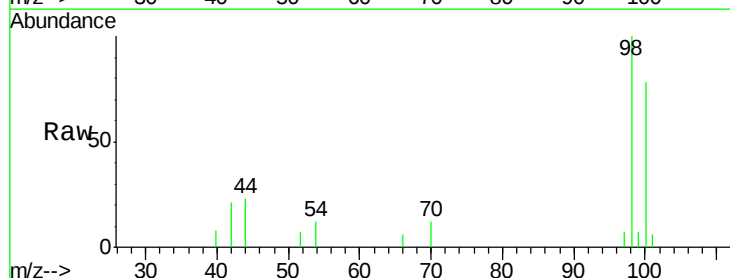
Acq: 22 Jun 2018 3:52

Tgt Ion: 98 Resp: 14710

Ion Ratio Lower Upper

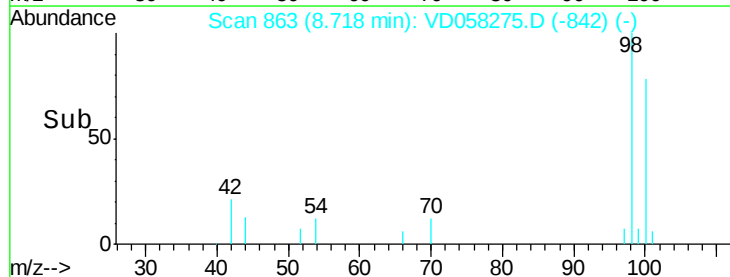
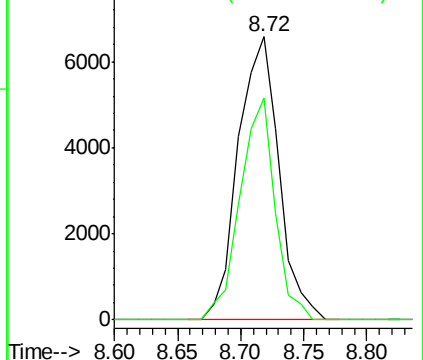
98 100

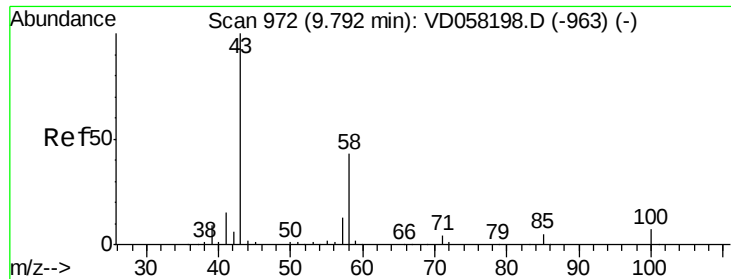
100 78.3 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

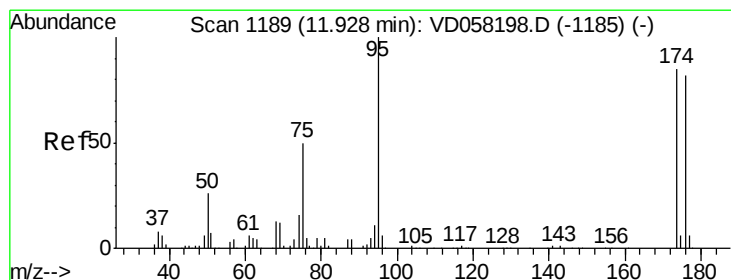
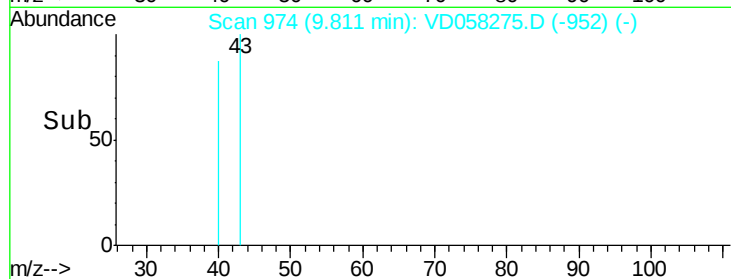
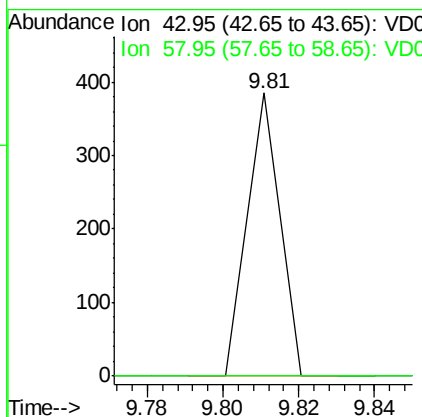
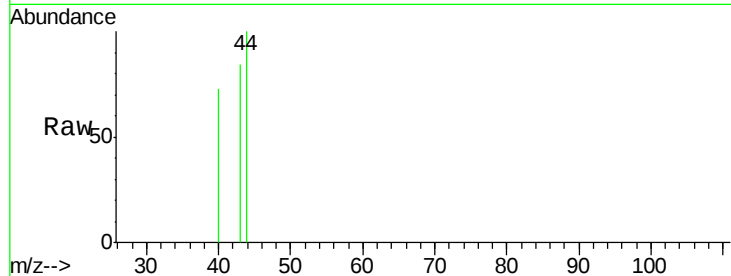




#59
2-Hexanone
Concen: 4.672 ug/l
RT: 9.81 min Scan# 974
Delta R.T. 0.02 min
Lab File: VD058275.D
Acq: 22 Jun 2018 3:52

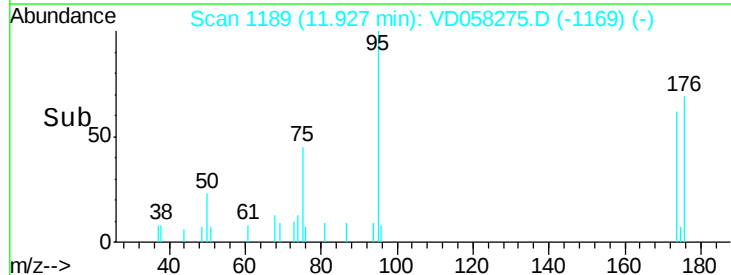
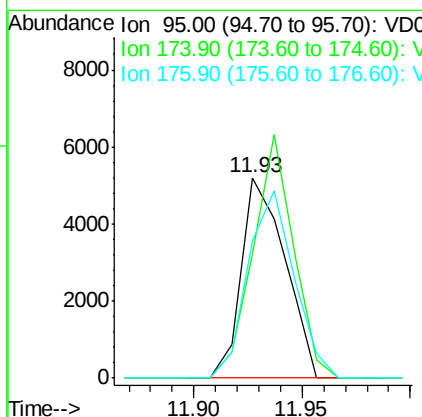
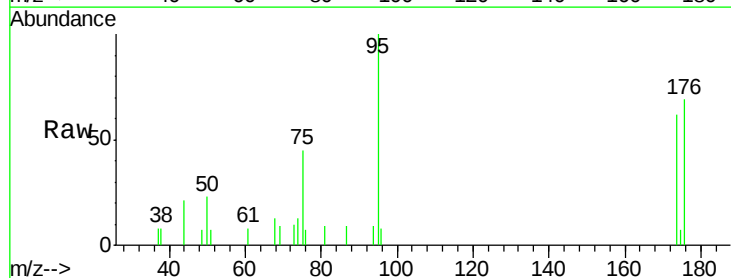
Instrument :
MSVOA_D
ClientSampleId :
SP-B

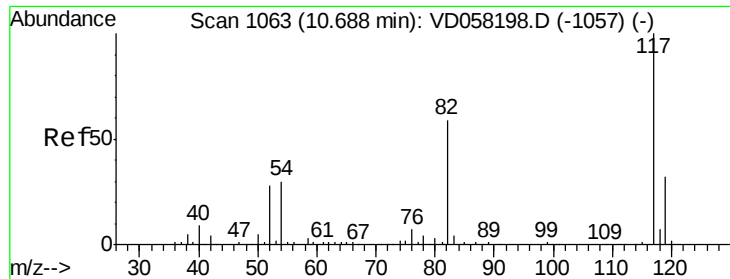
Tot Ion: 43 Resp: 227
Ion Ratio Lower Upper
43 100
58 0.0 21.7 65.1#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VD058275.D
Acq: 22 Jun 2018 3:52

Tgt Ion: 95 Resp: 7237
Ion Ratio Lower Upper
95 100
174 62.5 0.0 170.2
176 68.8 0.0 164.6

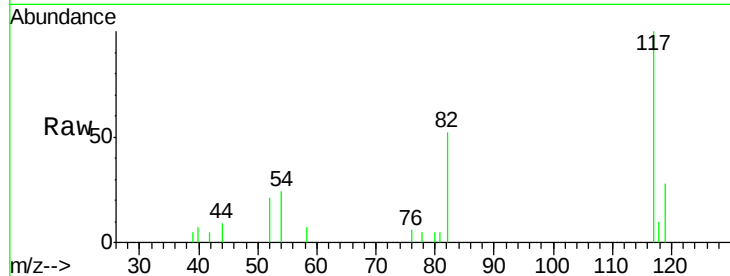




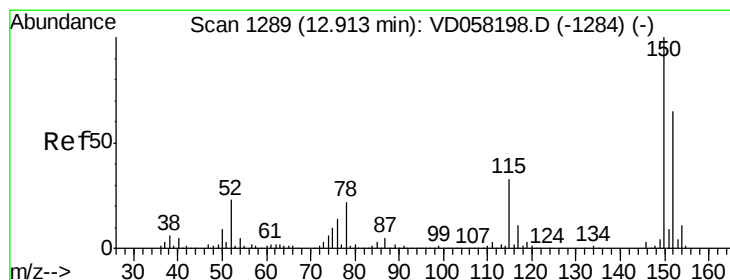
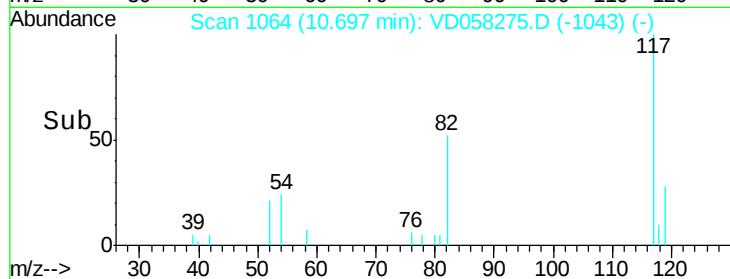
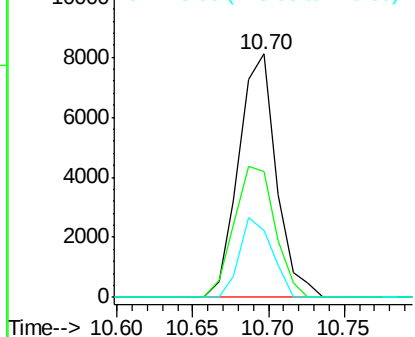
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058275.D
Acq: 22 Jun 2018 3:52

Instrument :
MSVOA_D
ClientSampled :
SP-B

Tot Ion:117 Resp: 14063
Ion Ratio Lower Upper
117 100
82 51.7 47.0 70.6
119 27.6 25.3 37.9

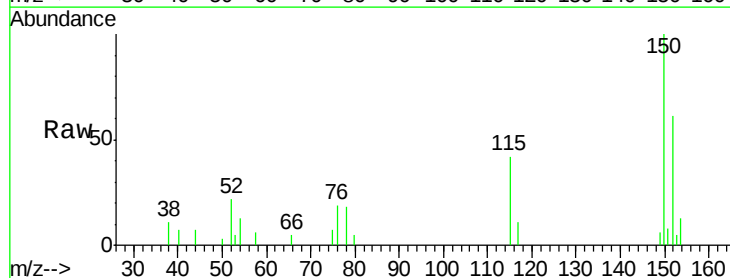


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

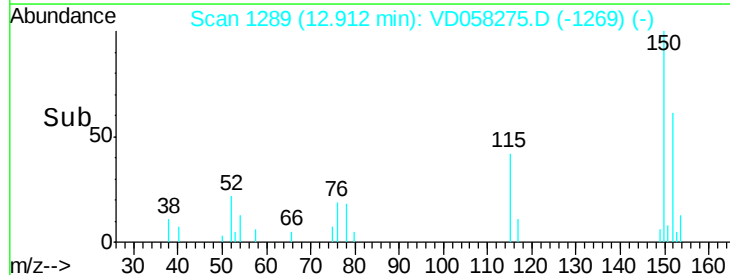
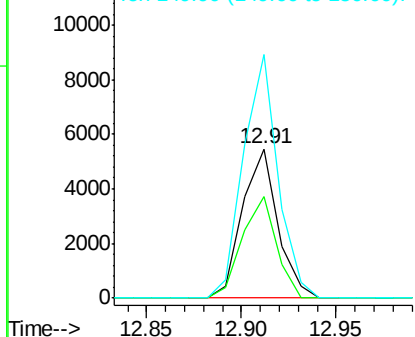


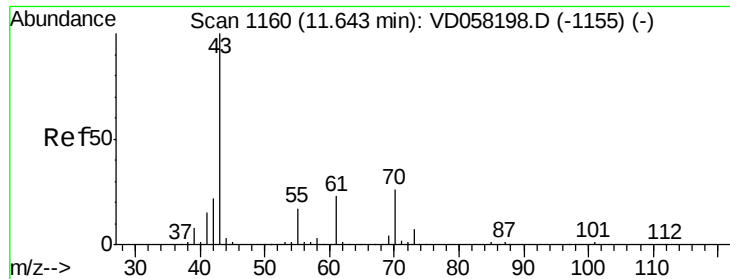
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD058275.D
Acq: 22 Jun 2018 3:52

Tgt Ion:152 Resp: 7046
Ion Ratio Lower Upper
152 100
115 67.9 25.1 75.3
150 163.2 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





#74

N-amvl acetate

Concen: 1.190 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD058275.D

Acq: 22 Jun 2018 3:52

Instrument :

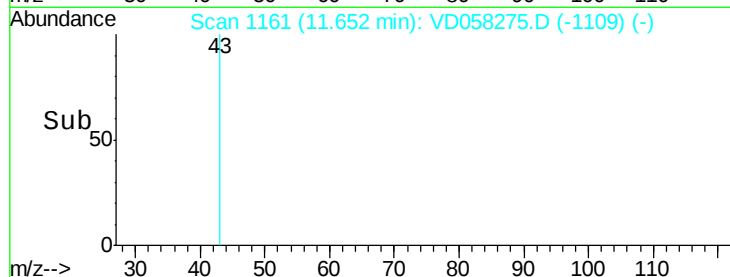
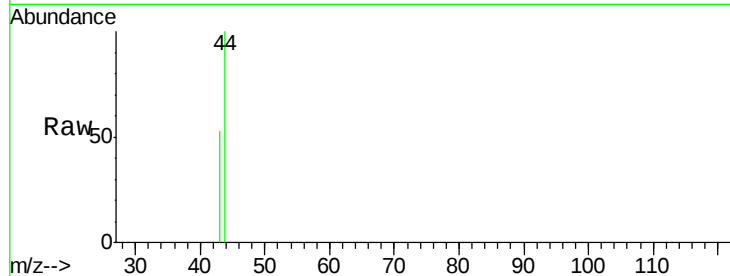
MSVOA_D

ClientSampleId :

SP-B

Tot Ion: 43 Resp: 194

Ion	Ratio	Lower	Upper
43	100		
70	0.0	20.9	31.3#
55	0.0	13.5	20.3#
61	0.0	18.2	27.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

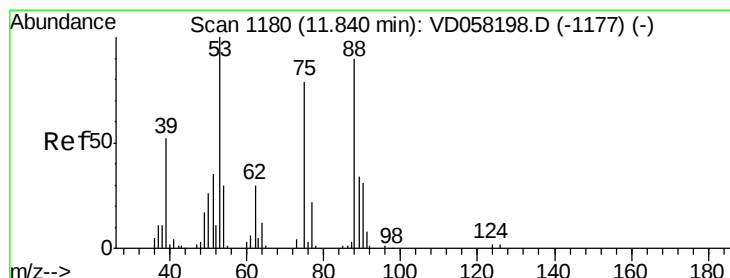
Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

11.65

Time-->

11.62 11.64 11.66 11.68



#81

trans-1,4-Dichloro-2-butene

Concen: 140.055 ug/l

RT: 11.93 min Scan# 1189

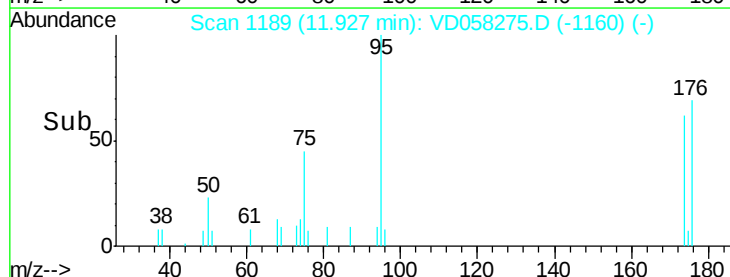
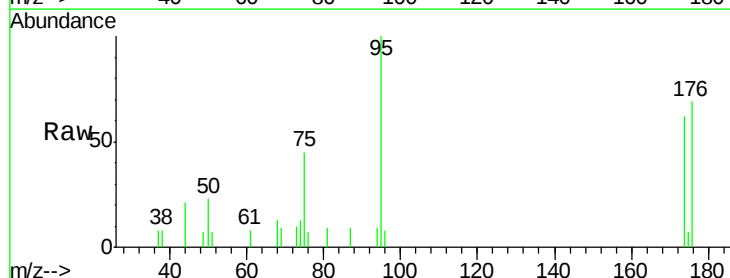
Delta R.T. 0.09 min

Lab File: VD058275.D

Acq: 22 Jun 2018 3:52

Tgt Ion: 75 Resp: 3514

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

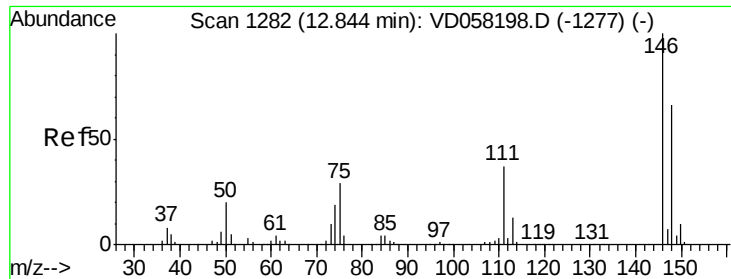
Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

11.93

Time-->

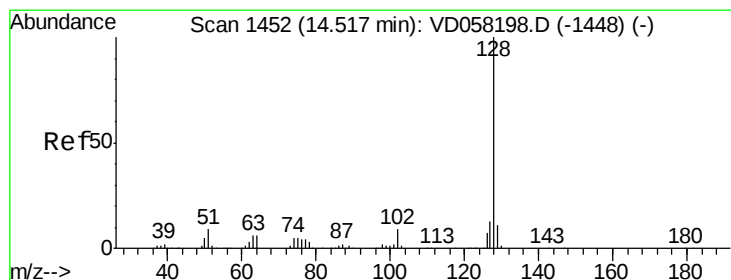
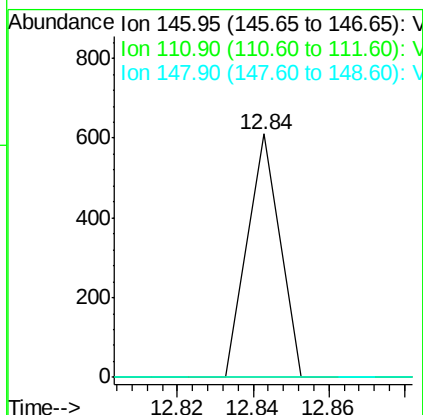
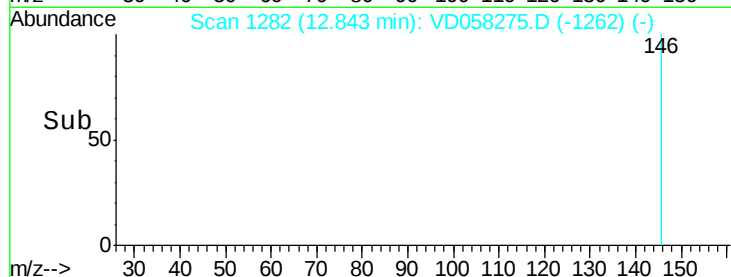
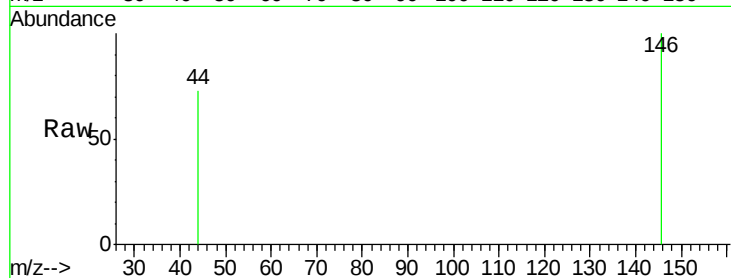
11.90 11.95



#87
 1,3-Dichlorobenzene
 Concen: 1.646 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD058275.D
 Acq: 22 Jun 2018 3:52

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-B

Tot Ion:146 Resp: 361
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.4 55.0#
 148 0.0 32.8 98.4#



#95
 Naphthalene
 Concen: 3.840 ug/l
 RT: 14.52 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VD058275.D
 Acq: 22 Jun 2018 3:52

Tgt Ion:128 Resp: 903
 Ion Ratio Lower Upper
 128 100
 127 47.7 10.0 15.0#
 129 0.0 8.7 13.1#

