

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058329.D
 Acq On : 23 Jun 2018 8:30
 Operator : VA/AP
 Sample : J3595-03
 Misc : 6.63g/5ml/MSVOA D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SC-02-ABRE

Quant Time: Jun 25 00:55:59 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	6499	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	6.71	114	11603	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.69	117	10580	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	3898	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	7622	116.11	ug/l	0.03
Spiked Amount 50.000			Recovery =	232.22%		
35) Dibromofluoromethane	5.56	113	4363	46.20	ug/l	0.02
Spiked Amount 50.000			Recovery =	92.40%		
50) Toluene-d8	8.72	98	11920	52.17	ug/l	0.02
Spiked Amount 50.000			Recovery =	104.34%		
62) 4-Bromofluorobenzene	11.93	95	4507	48.29	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.58%		

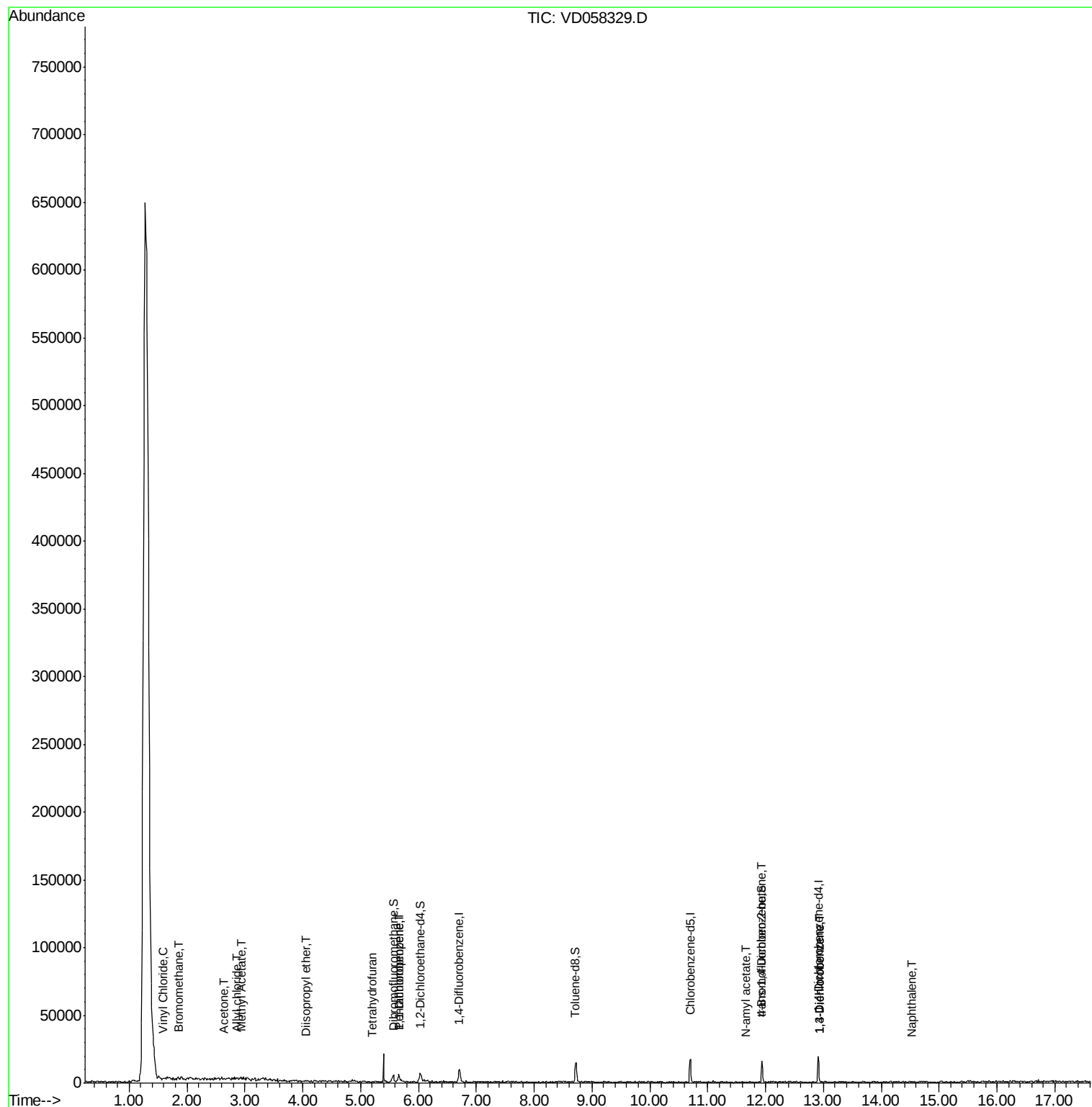
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.57	62	198	5.816	ug/l #	44
5) Bromomethane	1.85	94	192	14.620	ug/l	88
14) Allyl chloride	2.85	41	211	4.060	ug/l #	10
16) Acetone	2.63	43	877	97.689	ug/l #	62
18) Methyl Acetate	2.94	43	1097	57.297	ug/l #	65
22) Diisopropyl ether	4.05	45	237	1.148	ug/l #	32
29) Tetrahydrofuran	5.21	42	184	17.667	ug/l #	37
36) 1,1-Dichloropropene	5.66	75	223	1.943	ug/l #	43
74) N-amyl acetate	11.65	43	223	2.474	ug/l #	53
81) trans-1,4-Dichloro-2-buten	11.93	75	2206	158.929	ug/l #	1
87) 1,3-Dichlorobenzene	12.94	146	197	1.623	ug/l #	25
88) 1,4-Dichlorobenzene	12.94	146	197	1.662	ug/l #	25
95) Naphthalene	14.53	128	206	1.583	ug/l #	70

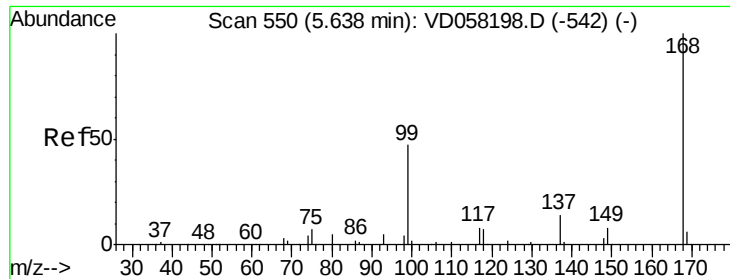
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062218\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 552

Delta R.T. 0.03 min

Lab File: VD058329.D

Acq: 23 Jun 2018 8:30

Instrument :

MSVOA_D

ClientSampleId :

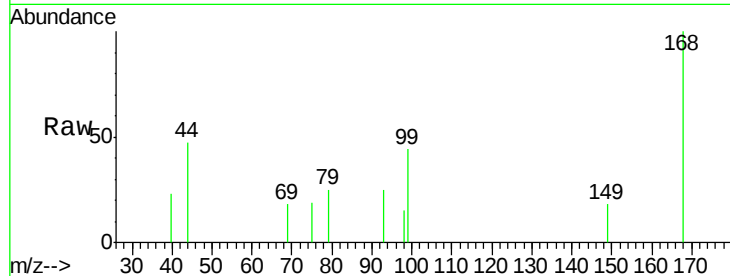
SC-02-ABRE

Tot Ion:168 Resp: 6499

Ion Ratio Lower Upper

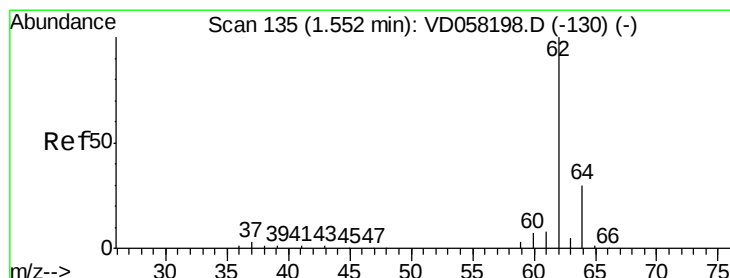
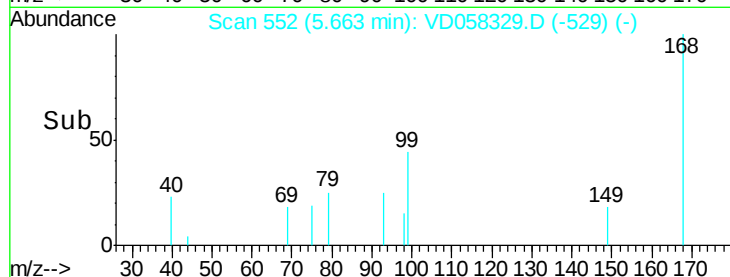
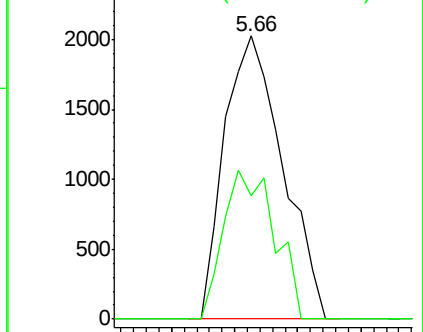
168 100

99 43.5 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#4

Vinyl Chloride

Concen: 5.816 ug/l

RT: 1.57 min Scan# 136

Delta R.T. 0.02 min

Lab File: VD058329.D

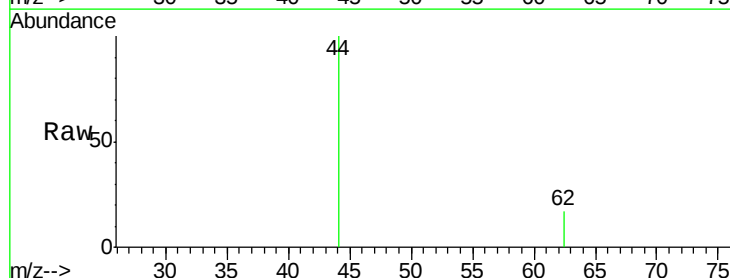
Acq: 23 Jun 2018 8:30

Tgt Ion: 62 Resp: 198

Ion Ratio Lower Upper

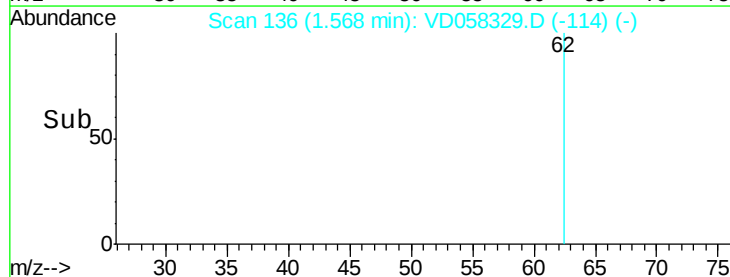
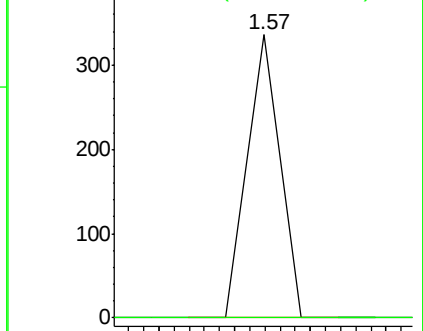
62 100

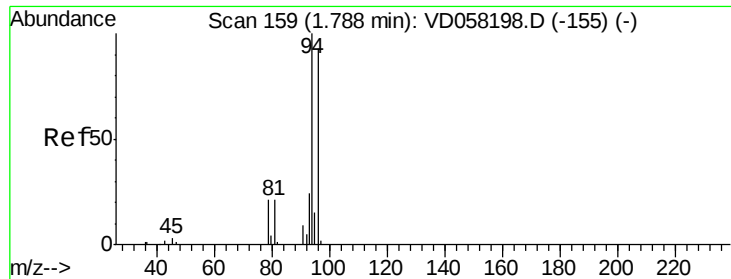
64 0.0 24.4 36.6#



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 14.620 ug/l

RT: 1.85 min Scan# 165

Delta R.T. 0.07 min

Lab File: VD058329.D

Acq: 23 Jun 2018 8:30

Instrument :

MSVOA_D

ClientSampleId :

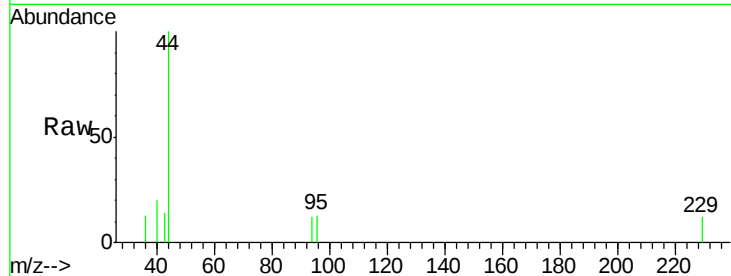
SC-02-ABRE

Tot Ion: 94 Resp: 192

Ion Ratio Lower Upper

94 100

96 104.0 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

1.85

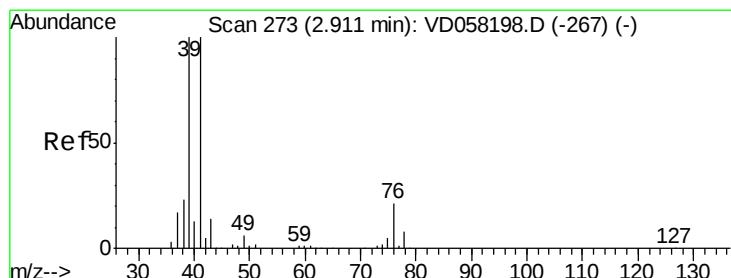
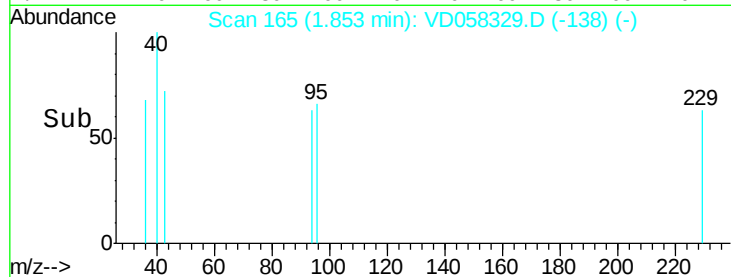
300

200

100

0

Time--> 1.82 1.84 1.86 1.88



#14

Allyl chloride

Concen: 4.060 ug/l

RT: 2.85 min Scan# 266

Delta R.T. -0.06 min

Lab File: VD058329.D

Acq: 23 Jun 2018 8:30

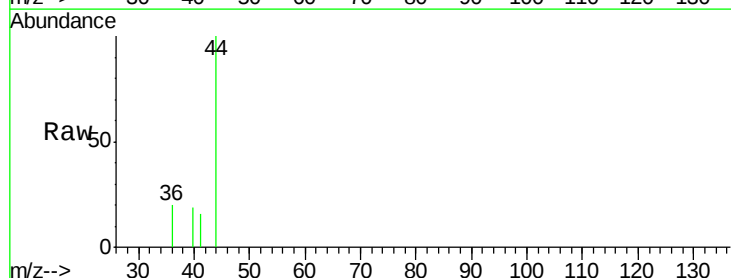
Tgt Ion: 41 Resp: 211

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

2.85

400

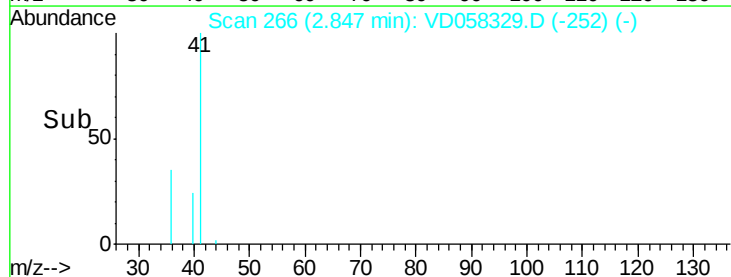
300

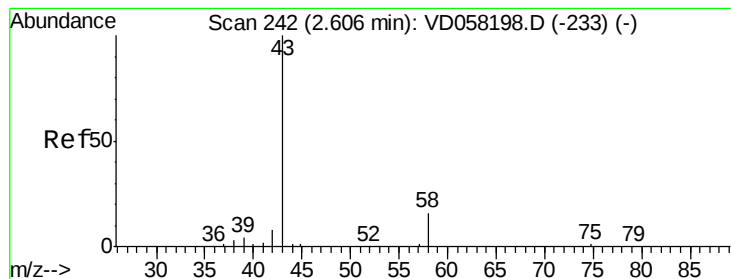
200

100

0

Time--> 2.82 2.84 2.86 2.88





#16

Acetone

Concen: 97.689 ug/l

RT: 2.63 min Scan# 244

Delta R.T. 0.03 min

Lab File: VD058329.D

Acq: 23 Jun 2018 8:30

Instrument :

MSVOA_D

ClientSampleId :

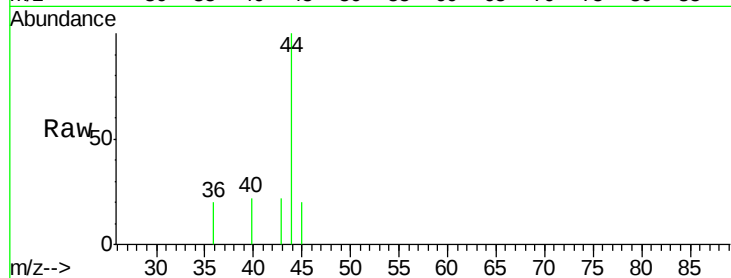
SC-02-ABRE

Tot Ion: 43 Resp: 877

Ion Ratio Lower Upper

43 100

58 0.0 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2.63

400

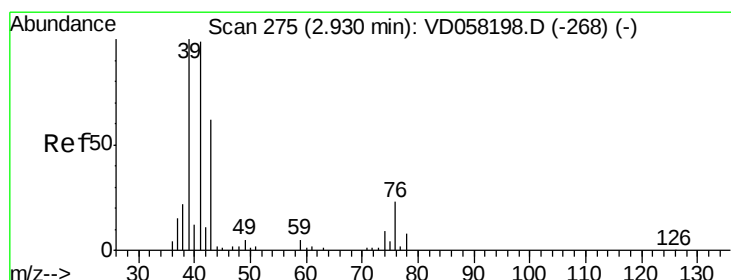
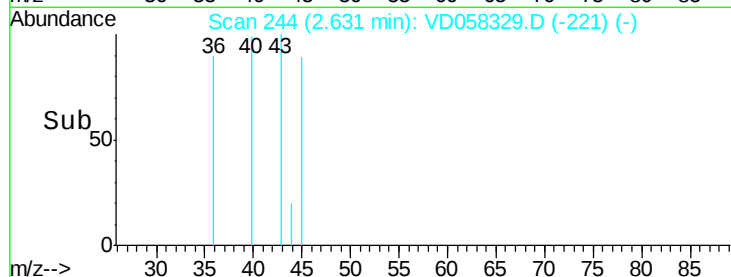
300

200

100

0

Time-->



#18

Methyl Acetate

Concen: 57.297 ug/l

RT: 2.94 min Scan# 275

Delta R.T. 0.01 min

Lab File: VD058329.D

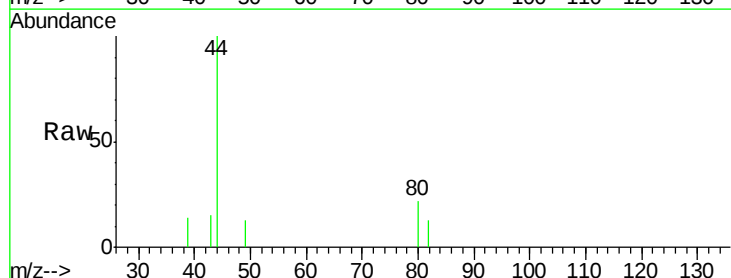
Acq: 23 Jun 2018 8:30

Tgt Ion: 43 Resp: 1097

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

2.94

400

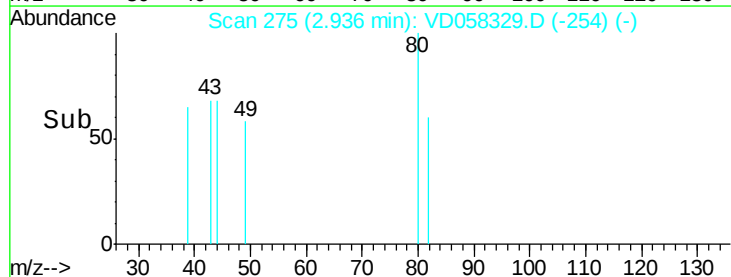
300

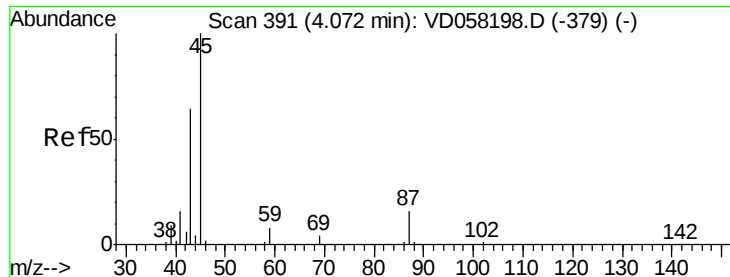
200

100

0

Time-->

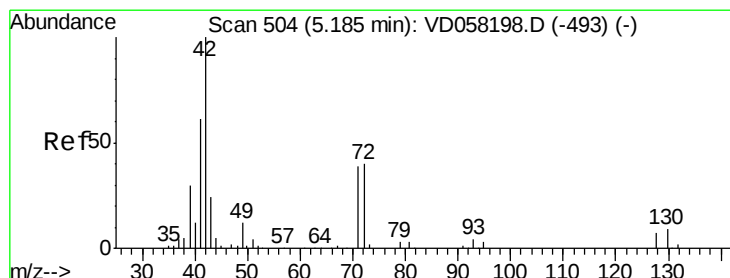
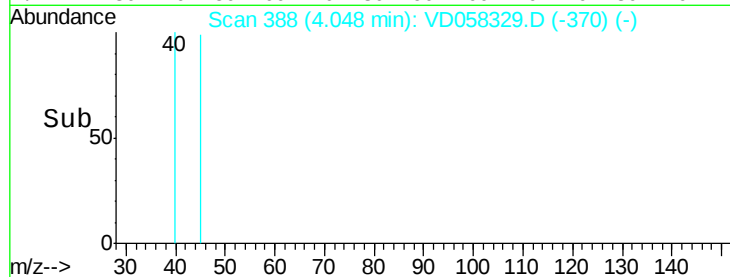
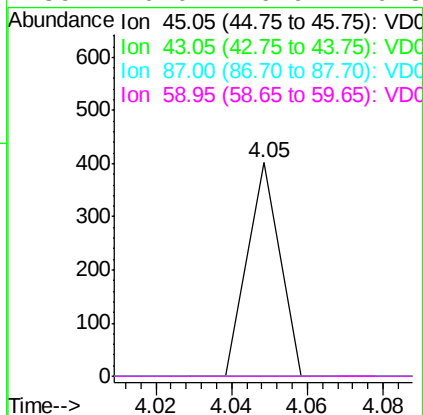
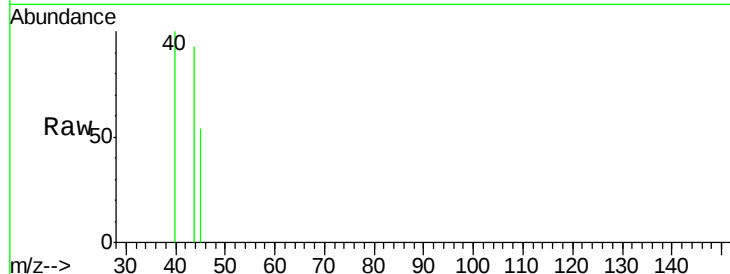




#22
Diisopropyl ether
Concen: 1.148 ug/l
RT: 4.05 min Scan# 388
Delta R.T. -0.02 min
Lab File: VD058329.D
Acq: 23 Jun 2018 8:30

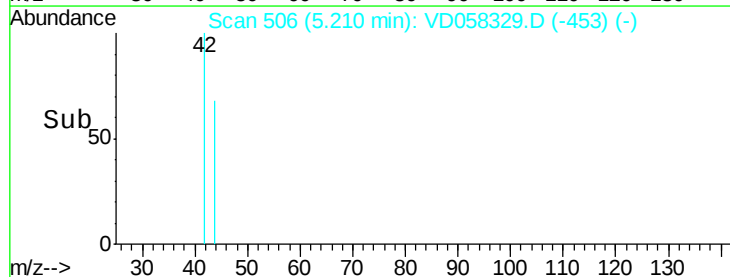
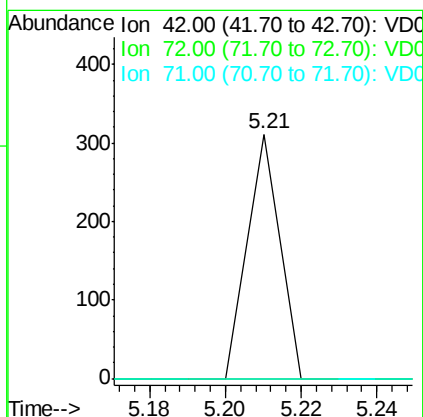
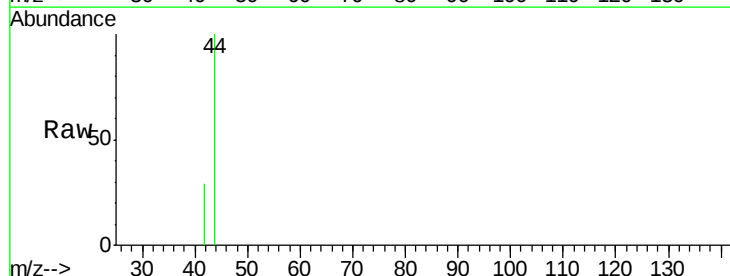
Instrument :
MSVOA_D
ClientSampleId :
SC-02-ABRE

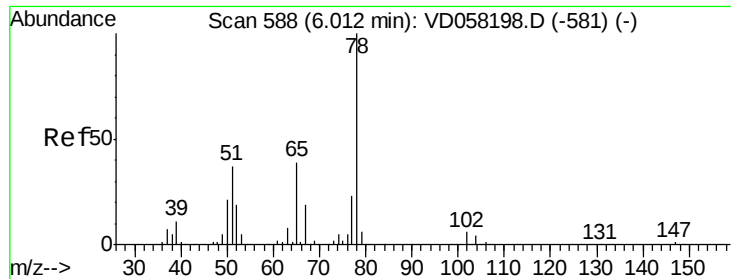
Tot Ion:	45	Resp:	237
Ion	Ratio	Lower	Upper
45	100		
43	0.0	51.4	77.0#
87	0.0	13.0	19.4#
59	0.0	6.9	10.3#



#29
Tetrahydrofuran
Concen: 17.667 ug/l
RT: 5.21 min Scan# 506
Delta R.T. 0.03 min
Lab File: VD058329.D
Acq: 23 Jun 2018 8:30

Tgt Ion:	42	Resp:	184
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: 6.04 min Scan# 590

Delta R.T. 0.03 min

Lab File: VD058329.D

Acq: 23 Jun 2018 8:30

Instrument :

MSVOA_D

ClientSampleId :

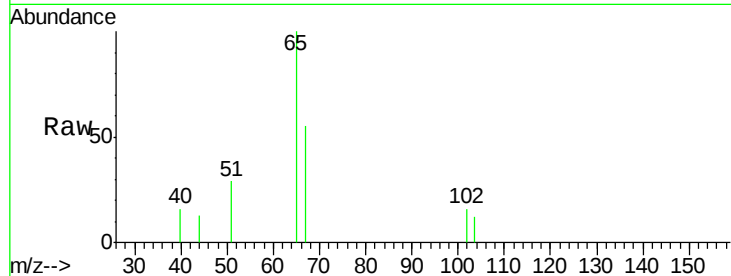
SC-02-ABRE

Tot Ion: 65 Resp: 7622

Ion Ratio Lower Upper

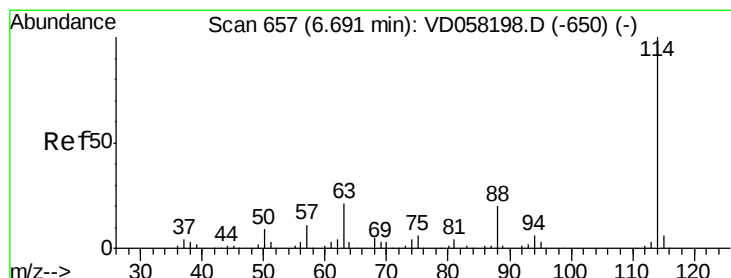
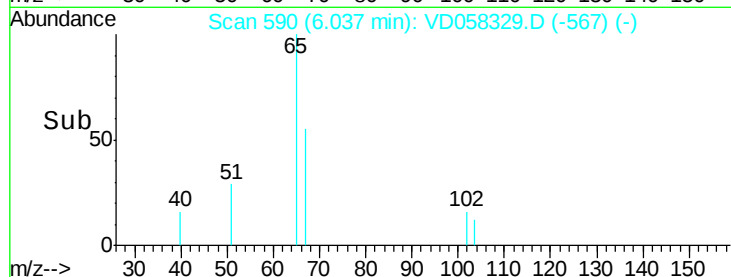
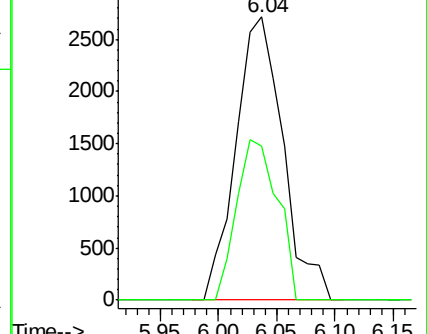
65 100

67 54.5 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.71 min Scan# 658

Delta R.T. 0.02 min

Lab File: VD058329.D

Acq: 23 Jun 2018 8:30

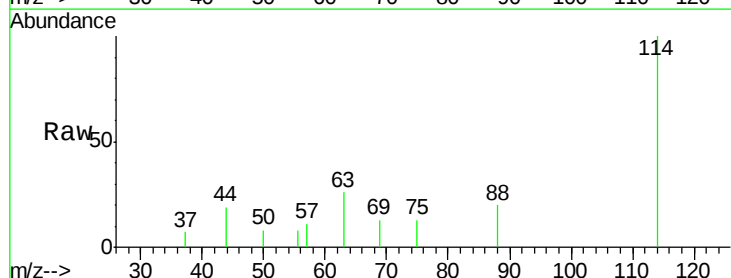
Tgt Ion: 114 Resp: 11603

Ion Ratio Lower Upper

114 100

63 25.8 0.0 42.6

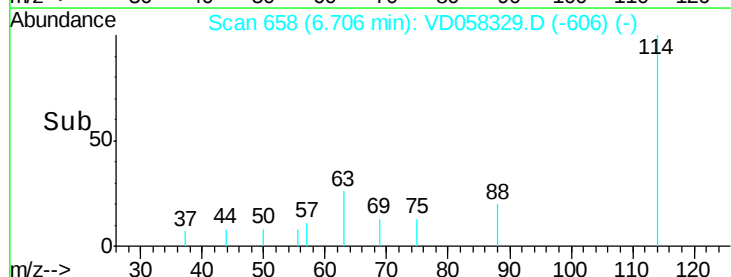
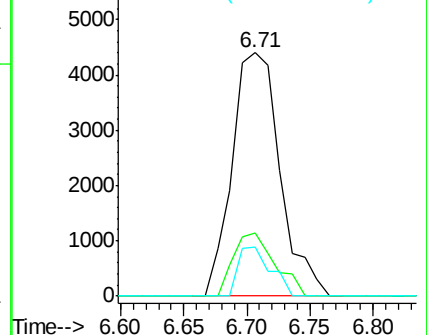
88 20.0 0.0 40.6

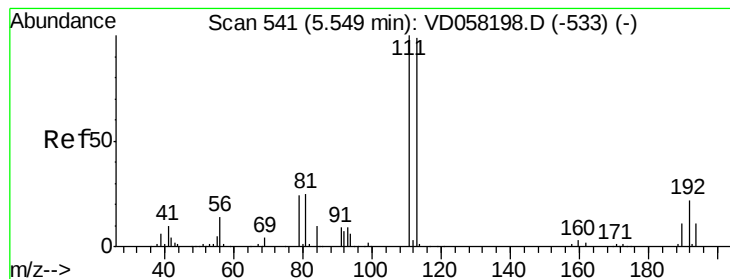


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.02 min

Lab File: VD058329.D

Acq: 23 Jun 2018 8:30

Instrument :

MSVOA_D

ClientSampleId :

SC-02-ABRE

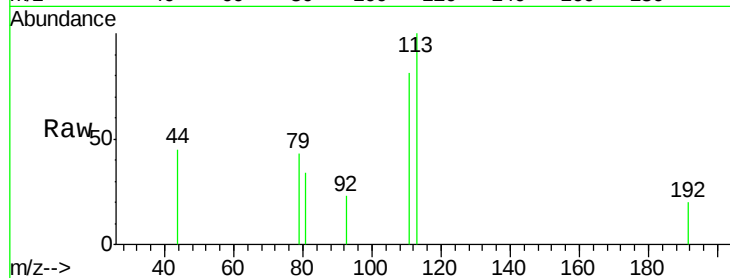
Tot Ion:113 Resp: 4363

Ion Ratio Lower Upper

113 100

111 80.6 80.6 121.0#

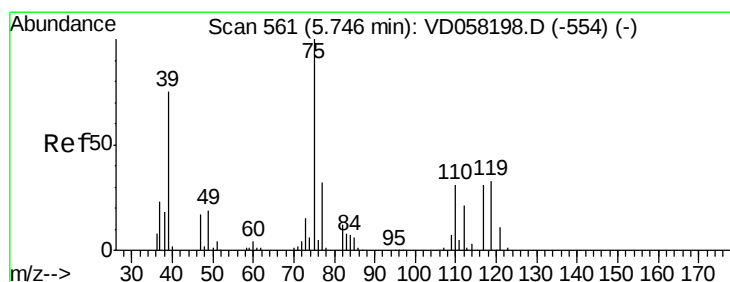
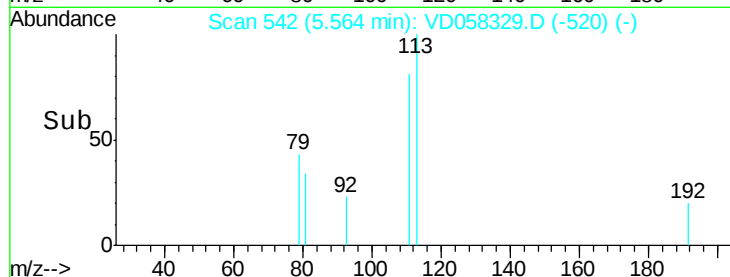
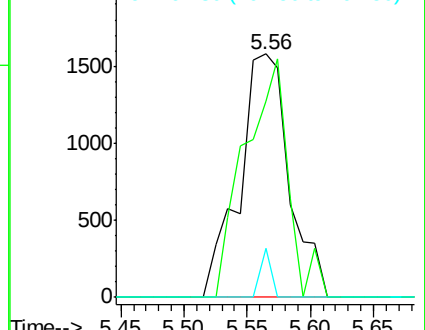
192 20.4 17.8 26.6



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: 1.943 ug/l

RT: 5.66 min Scan# 552

Delta R.T. -0.08 min

Lab File: VD058329.D

Acq: 23 Jun 2018 8:30

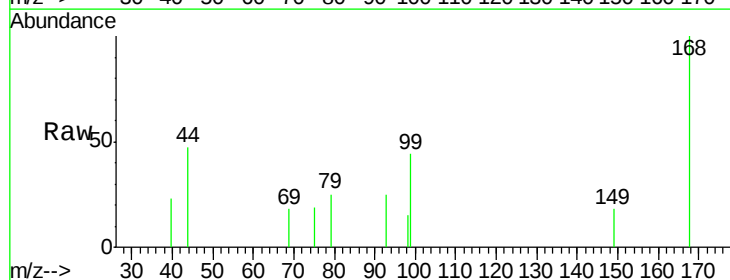
Tgt Ion: 75 Resp: 223

Ion Ratio Lower Upper

75 100

110 0.0 15.4 46.4#

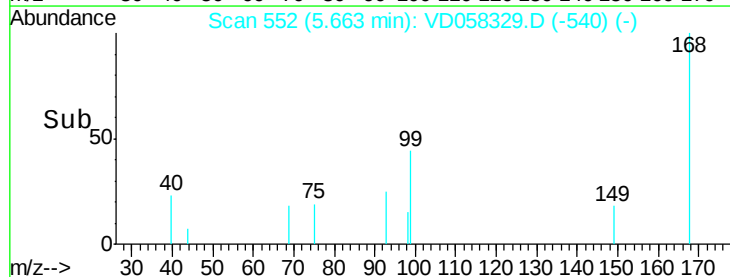
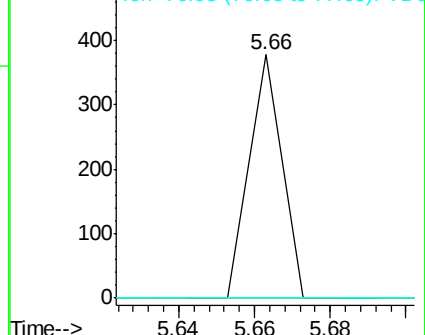
77 0.0 25.4 38.2#

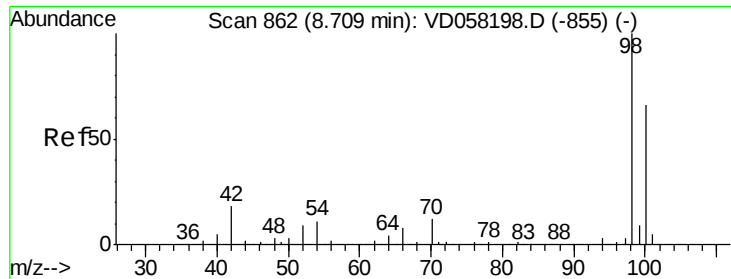


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.02 min

Lab File: VD058329.D

Acq: 23 Jun 2018 8:30

Instrument :

MSVOA_D

ClientSampleId :

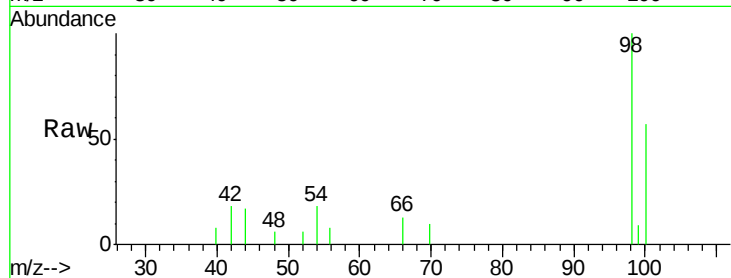
SC-02-ABRE

Tot Ion: 98 Resp: 11920

Ion Ratio Lower Upper

98 100

100 56.6 53.6 80.4

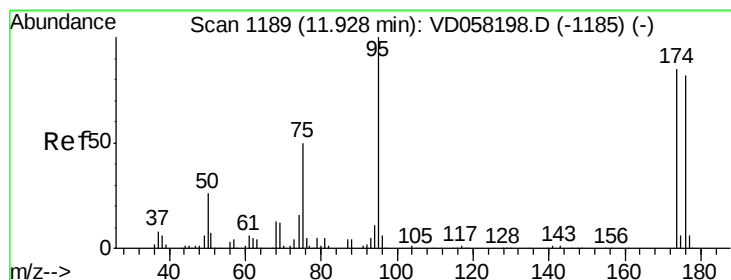
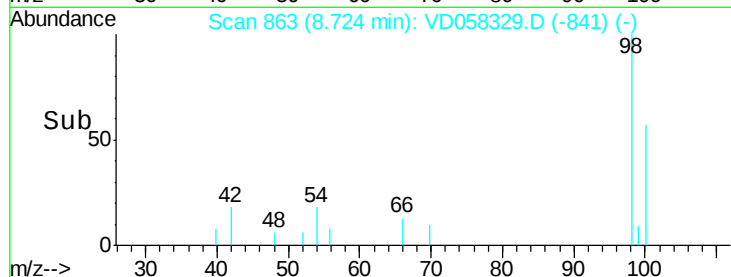


Abundance Ion 98.05 (97.75 to 98.75): VD058198.D (-855) (-)

Ion 100.05 (99.75 to 100.75): VD058198.D (-855) (-)

8.72

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD058329.D

Acq: 23 Jun 2018 8:30

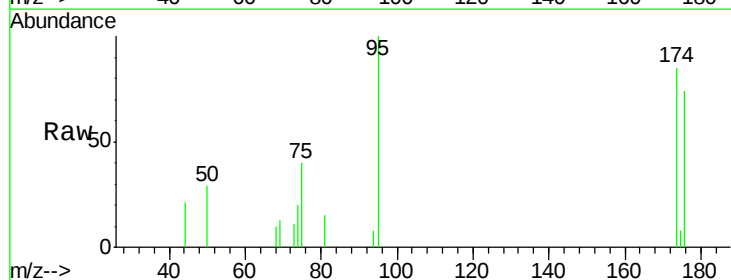
Tgt Ion: 95 Resp: 4507

Ion Ratio Lower Upper

95 100

174 85.0 0.0 170.2

176 73.6 0.0 164.6



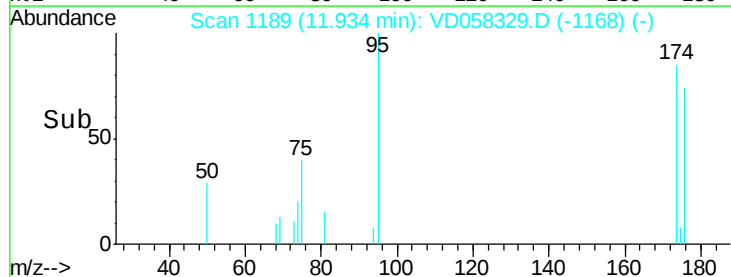
Abundance Ion 95.00 (94.70 to 95.70): VD058198.D (-1185) (-)

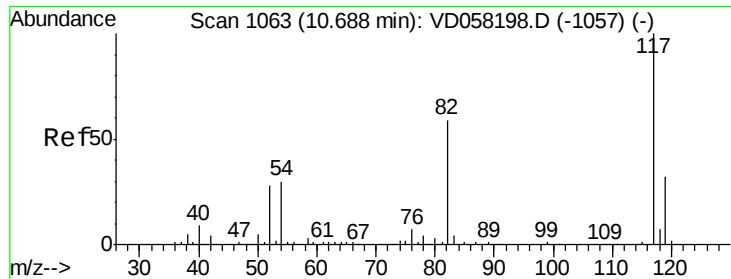
Ion 173.90 (173.60 to 174.60): VD058198.D (-1185) (-)

Ion 175.90 (175.60 to 176.60): VD058198.D (-1185) (-)

11.93

Time-->

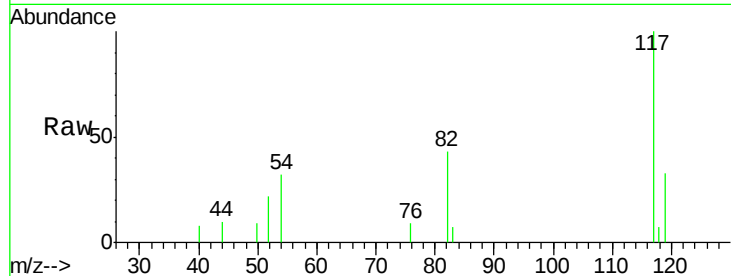




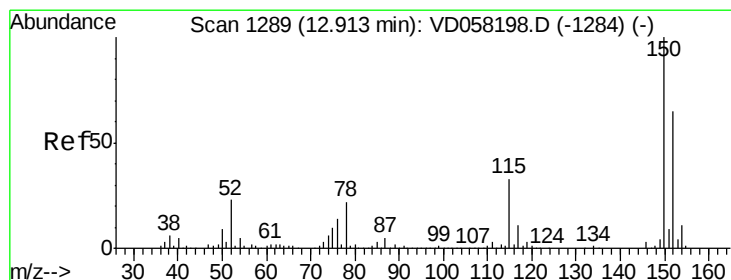
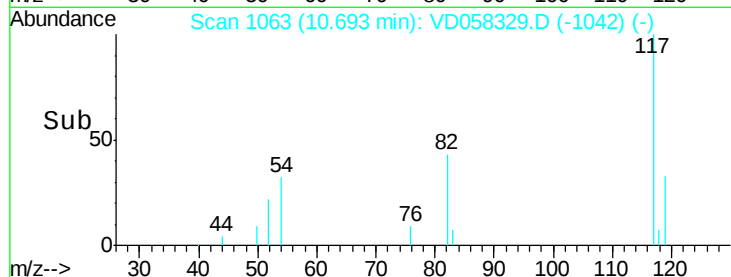
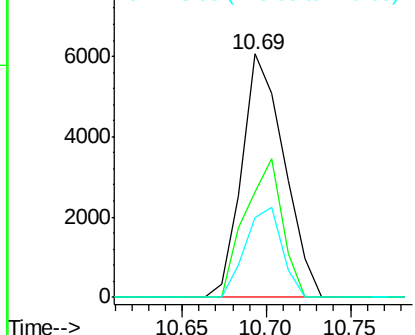
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.01 min
Lab File: VD058329.D
Acq: 23 Jun 2018 8:30

Instrument :
MSVOA_D
ClientSampleId :
SC-02-ABRE

Tot Ion:117 Resp: 10580
Ion Ratio Lower Upper
117 100
82 43.3 47.0 70.6#
119 32.6 25.3 37.9

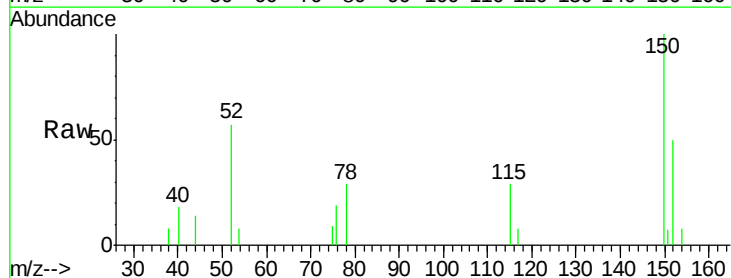


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

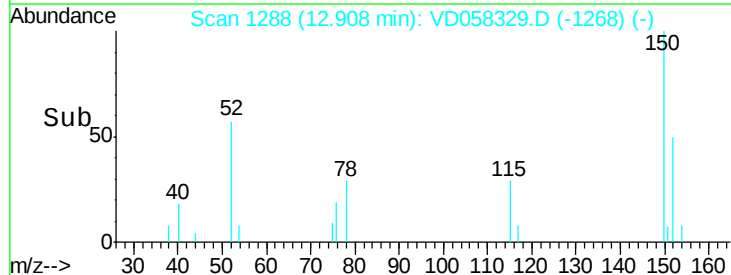
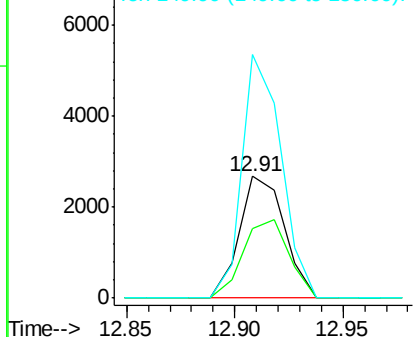


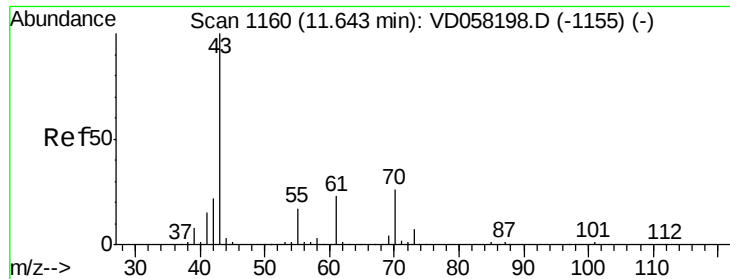
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VD058329.D
Acq: 23 Jun 2018 8:30

Tgt Ion:152 Resp: 3898
Ion Ratio Lower Upper
152 100
115 57.5 25.1 75.3
150 199.9 0.0 308.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 2.474 ug/l

RT: 11.65 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VD058329.D

Acq: 23 Jun 2018 8:30

Instrument :

MSVOA_D

ClientSampleId :

SC-02-ABRE

Tot Ion: 43 Resp: 223

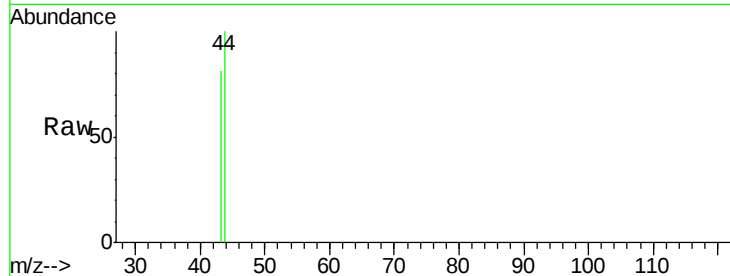
Ion Ratio Lower Upper

43 100

70 0.0 20.9 31.3#

55 0.0 13.5 20.3#

61 0.0 18.2 27.2#

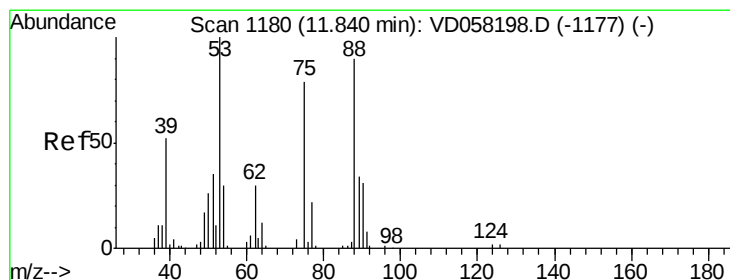
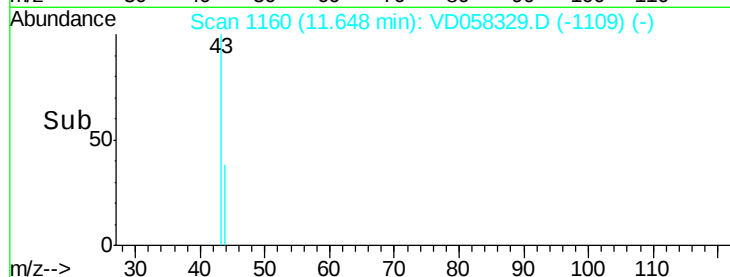
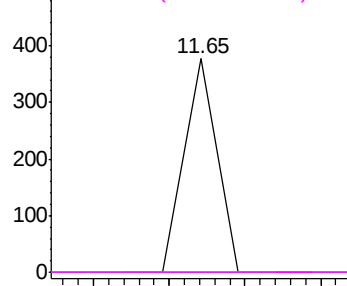


Abundance Ion 42.95 (42.65 to 43.65): VDC

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



#81

trans-1,4-Dichloro-2-butene

Concen: 158.929 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058329.D

Acq: 23 Jun 2018 8:30

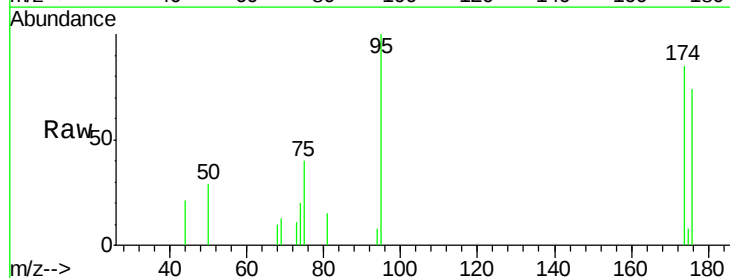
Tgt Ion: 75 Resp: 2206

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

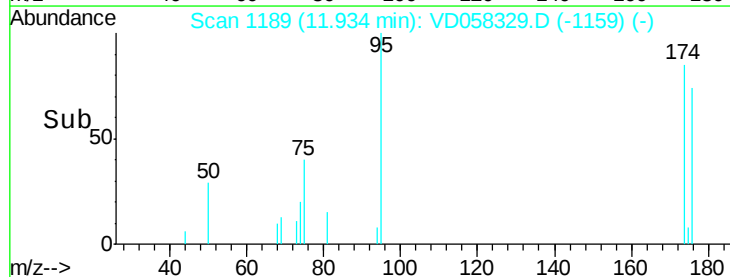
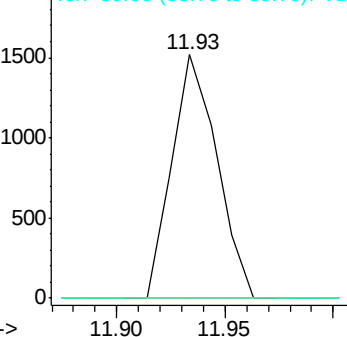
89 0.0 34.6 52.0#

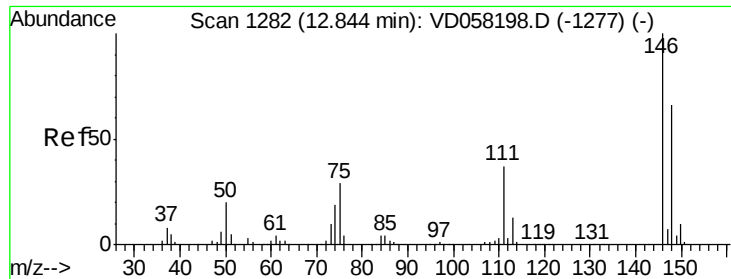


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

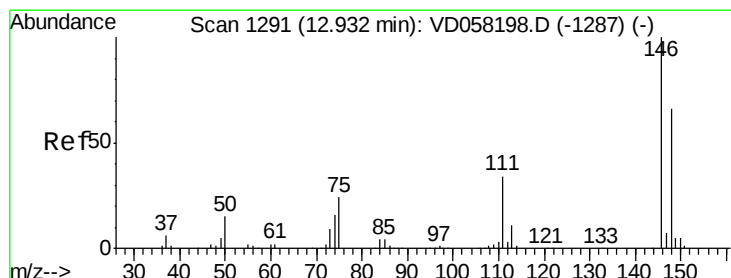
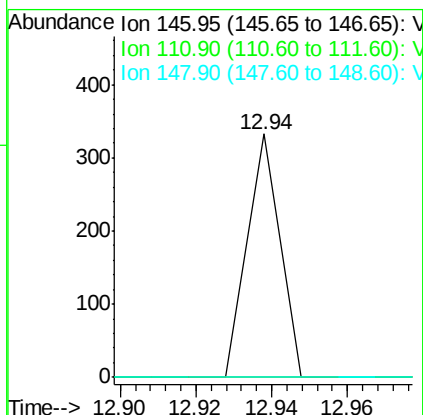
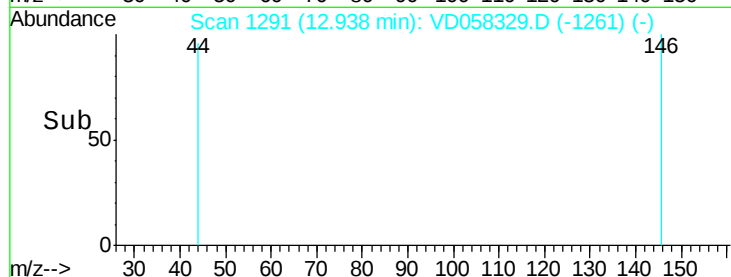
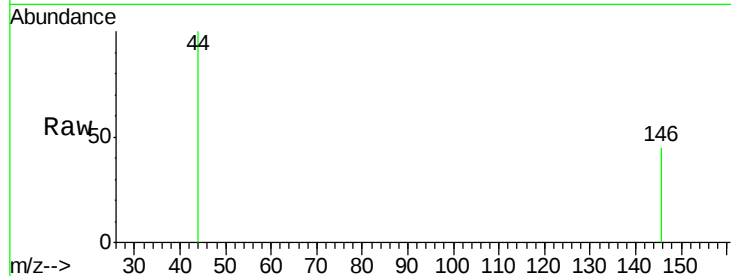




#87
 1,3-Dichlorobenzene
 Concen: 1.623 ug/l
 RT: 12.94 min Scan# 1291
 Delta R.T. 0.09 min
 Lab File: VD058329.D
 Acq: 23 Jun 2018 8:30

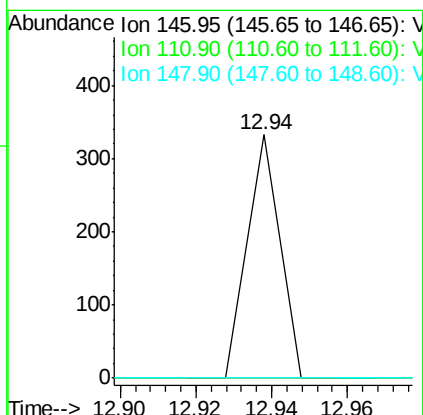
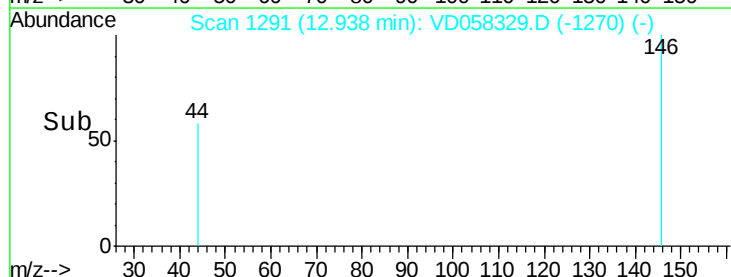
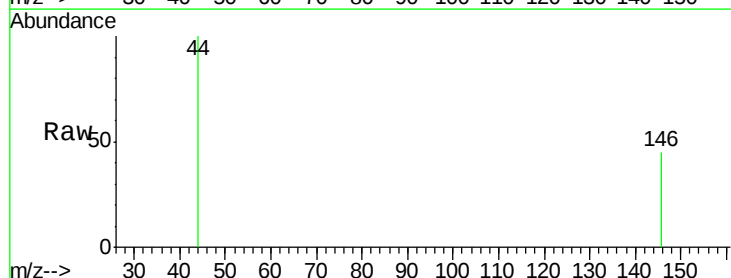
Instrument :
 MSVOA_D
 ClientSampleId :
 SC-02-ABRE

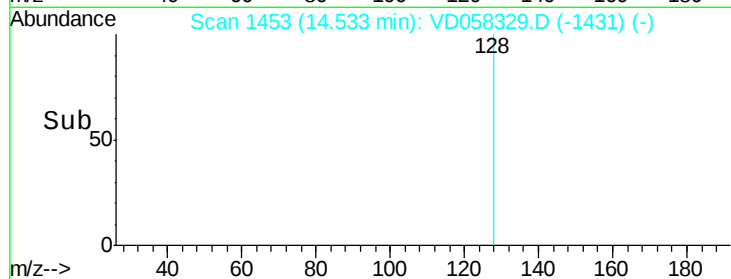
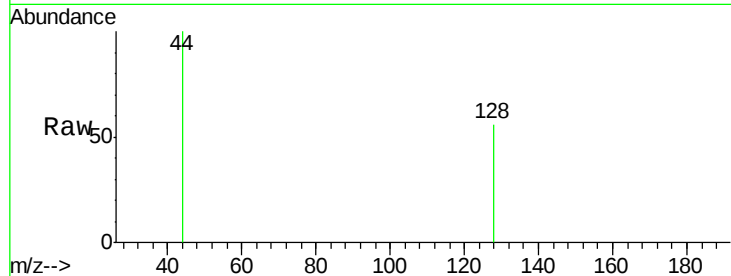
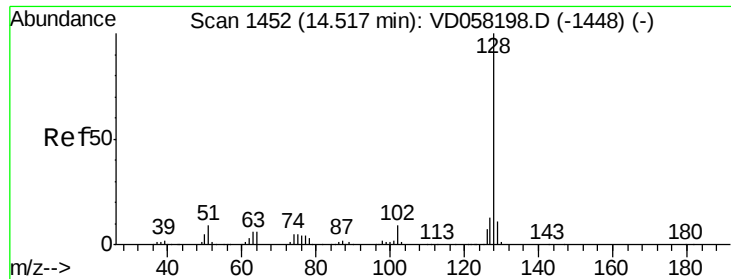
Tot Ion:146 Resp: 197
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.4 55.0#
 148 0.0 32.8 98.4#



#88
 1,4-Dichlorobenzene
 Concen: 1.662 ug/l
 RT: 12.94 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD058329.D
 Acq: 23 Jun 2018 8:30

Tgt Ion:146 Resp: 197
 Ion Ratio Lower Upper
 146 100
 111 0.0 17.2 51.5#
 148 0.0 33.1 99.3#





#95

Naphthalene

Concen: 1.583 ug/l

RT: 14.53 min Scan# 1453

Delta R.T. 0.02 min

Lab File: VD058329.D

Acq: 23 Jun 2018 8:30

Instrument :

MSVOA_D

ClientSampleId :

SC-02-ABRE

Tot Ion:128 Resp: 206

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

129 0.0 8.7 13.1#

