

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058276.D
 Acq On : 22 Jun 2018 4:20
 Operator : VA/AP
 Sample : J3622-12RE
 Misc : 5.73g/5ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-C

Quant Time: Jun 22 06:20:10 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	685382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	954963	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	746159	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	348386	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	401180	57.95	ug/l	0.00
Spiked Amount			Recovery	=	115.90%	
35) Dibromofluoromethane	5.56	113	425872	54.79	ug/l	0.00
Spiked Amount			Recovery	=	109.58%	
50) Toluene-d8	8.71	98	871519	46.35	ug/l	0.00
Spiked Amount			Recovery	=	92.70%	
62) 4-Bromofluorobenzene	11.94	95	348192	45.33	ug/l	0.00
Spiked Amount			Recovery	=	90.66%	

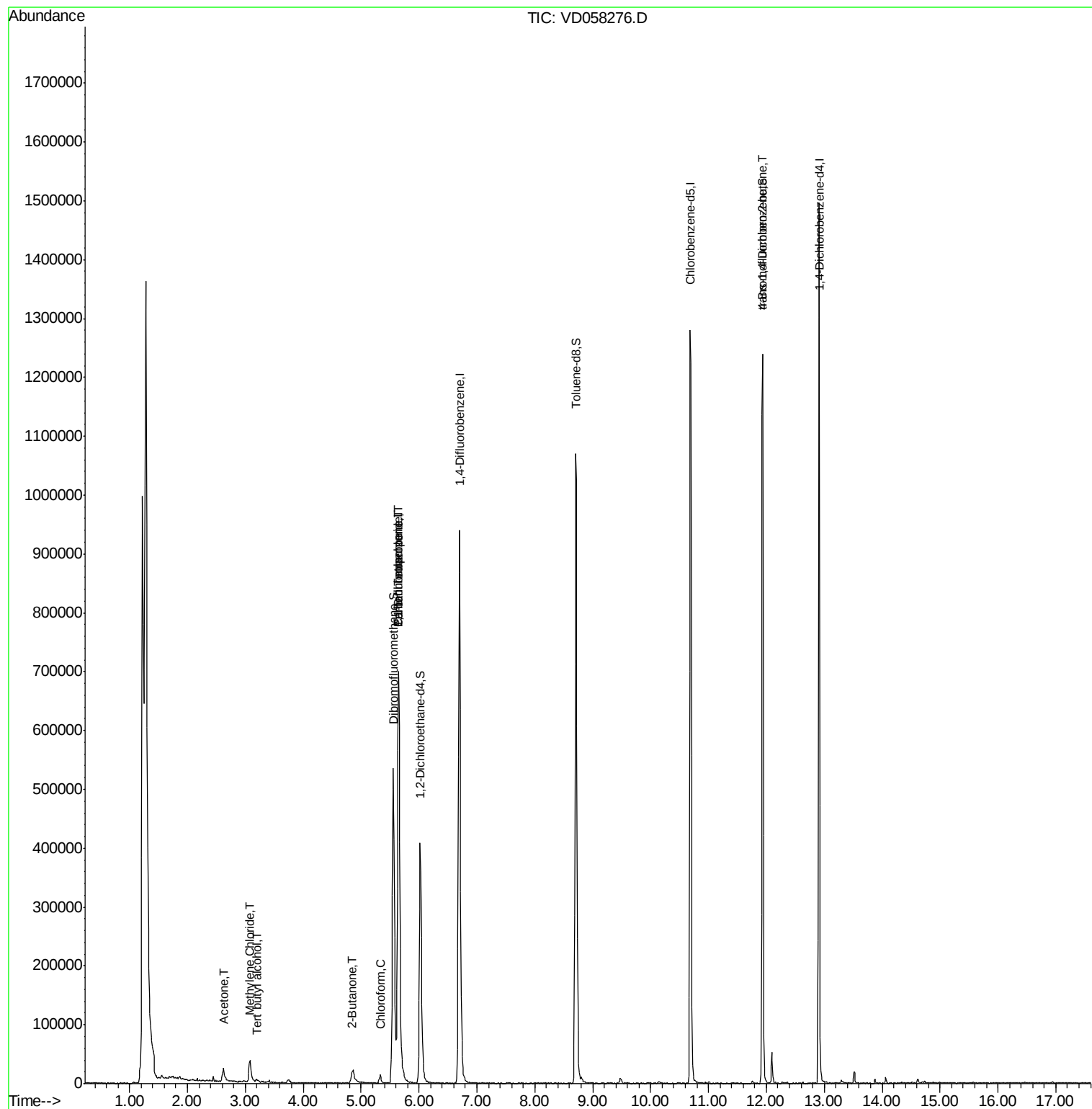
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.53	50	198	Below Cal	#	1
5) Bromomethane	1.82	94	392	Below Cal	#	3
11) Tert butyl alcohol	3.20	59	4407	19.301	ug/l #	78
16) Acetone	2.62	43	45086	47.622	ug/l	98
20) Methylene Chloride	3.08	84	17285	2.463	ug/l	94
25) 2-Butanone	4.83	43	4680	2.268	ug/l #	60
30) Chloroform	5.33	83	14976	1.210	ug/l #	73
31) Cyclohexane	5.65	56	14608	Below Cal	#	1
36) 1,1-Dichloropropene	5.65	75	58497	6.192	ug/l #	52
38) Carbon Tetrachloride	5.65	117	56180	5.985	ug/l #	15
81) trans-1,4-Dichloro-2-buten	11.93	75	173885	140.165	ug/l #	1
82) 4-Chlorotoluene	12.33	91	525	Below Cal	#	45

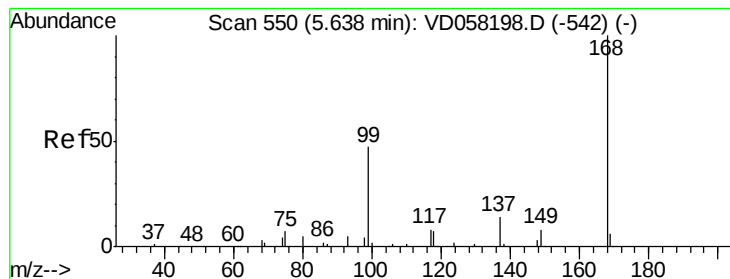
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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: VD058276.D

Acq: 22 Jun 2018 4:20

Instrument :

MSVOA_D

ClientSampleId :

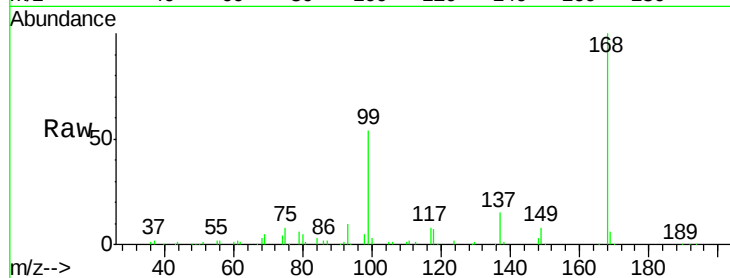
SP-C

Tot Ion:168 Resp: 685382

Ion Ratio Lower Upper

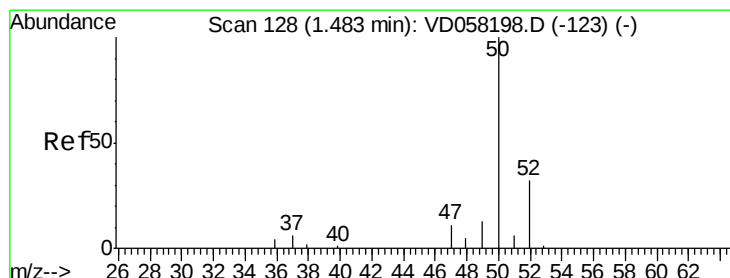
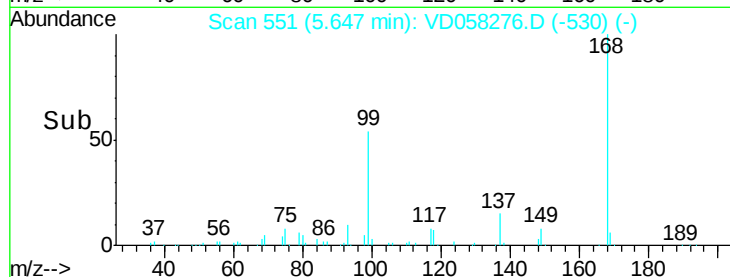
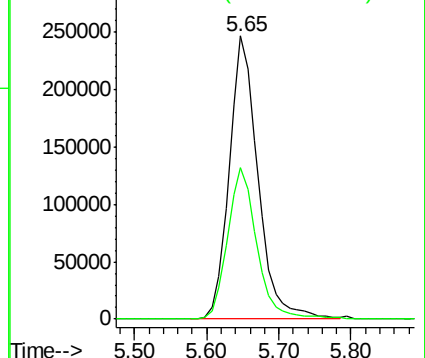
168 100

99 53.5 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: 1.53 min Scan# 133

Delta R.T. 0.05 min

Lab File: VD058276.D

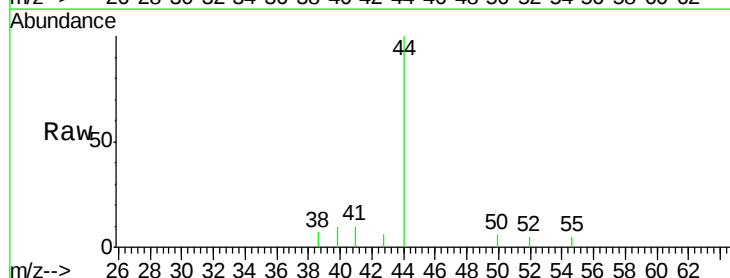
Acq: 22 Jun 2018 4:20

Tgt Ion: 50 Resp: 198

Ion Ratio Lower Upper

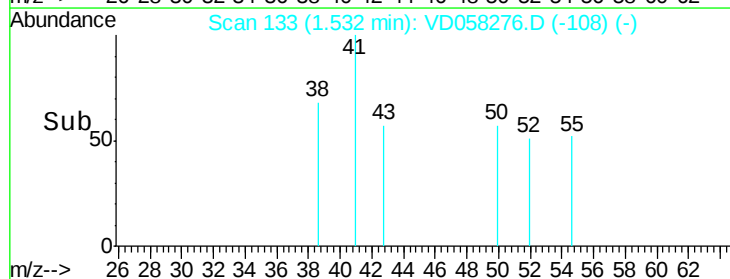
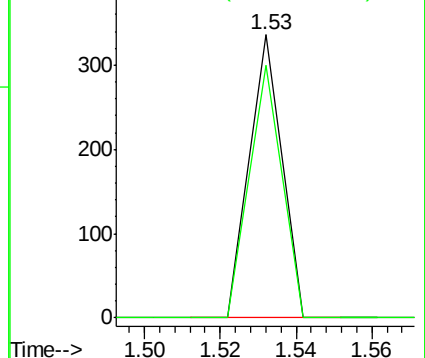
50 100

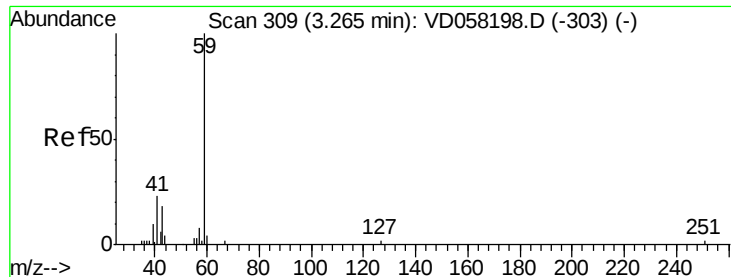
52 89.3 25.0 37.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



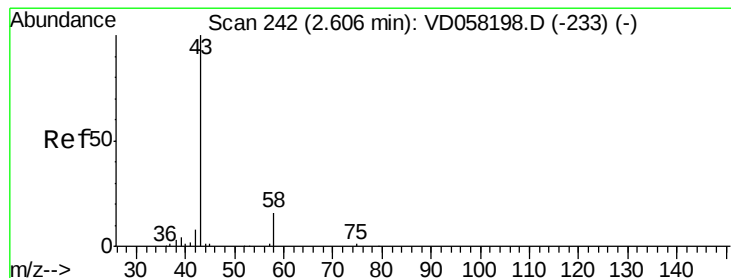
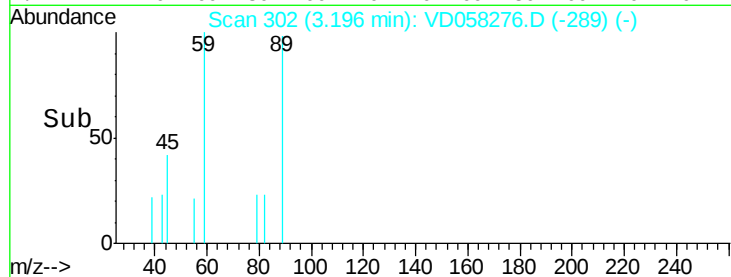
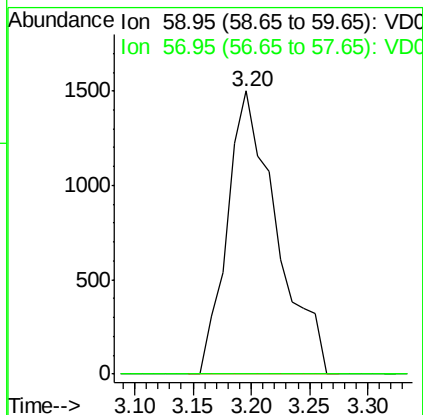
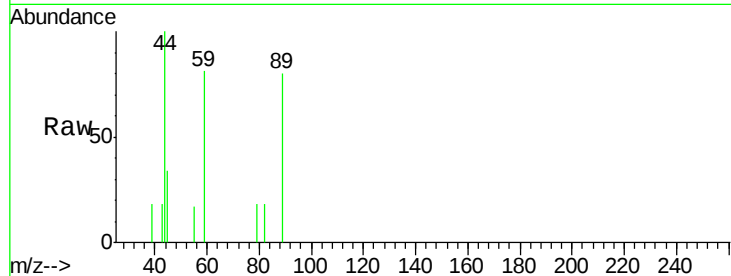


#11

Tert butyl alcohol
 Concen: 19.301 ug/l
 RT: 3.20 min Scan# 302
 Delta R.T. -0.07 min
 Lab File: VD058276.D
 Acq: 22 Jun 2018 4:20

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-C

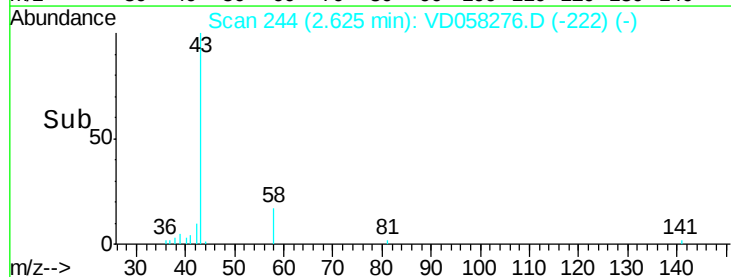
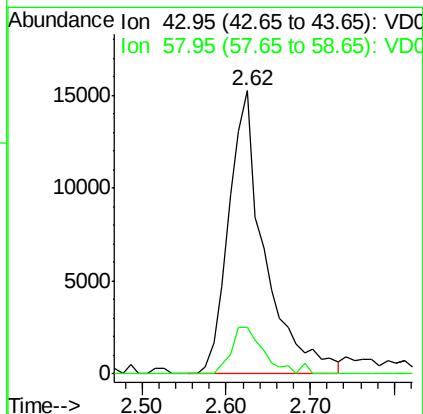
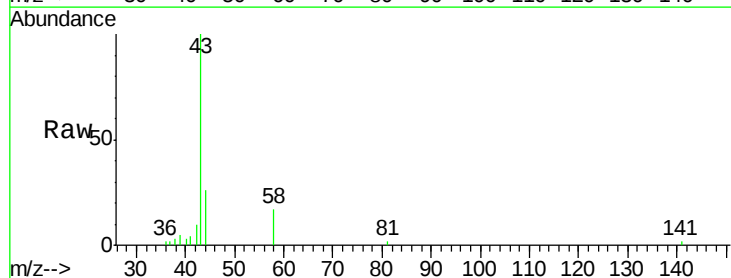
Tot Ion: 59 Resp: 4407
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.2 9.4#

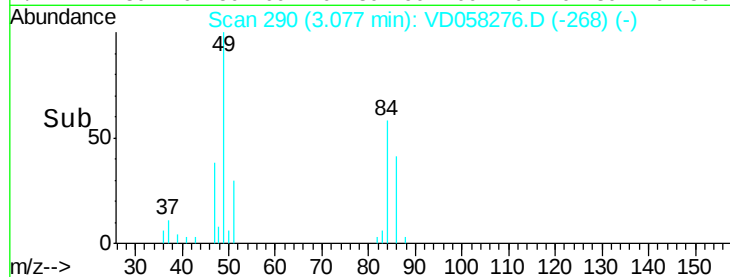
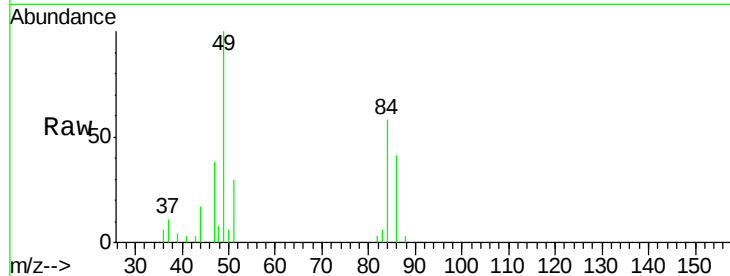
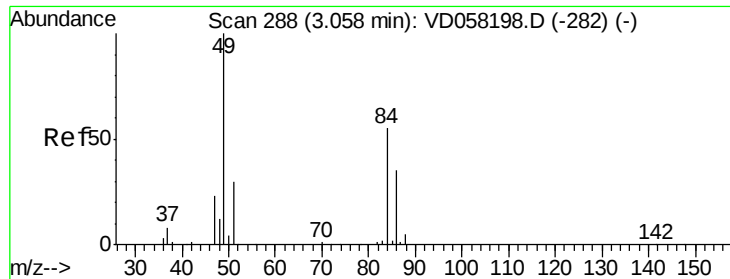


#16

Acetone
 Concen: 47.622 ug/l
 RT: 2.62 min Scan# 244
 Delta R.T. 0.02 min
 Lab File: VD058276.D
 Acq: 22 Jun 2018 4:20

Tgt Ion: 43 Resp: 45086
 Ion Ratio Lower Upper
 43 100
 58 16.6 12.7 19.1

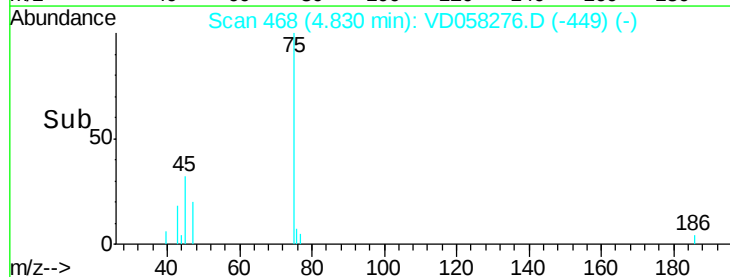
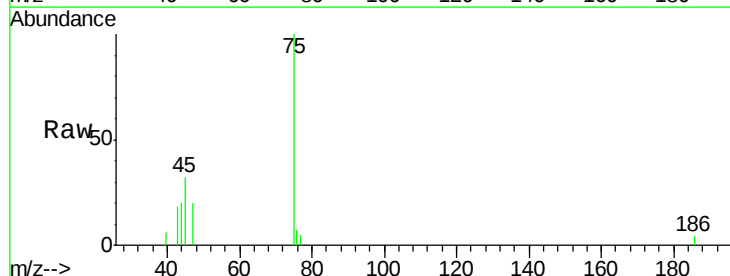
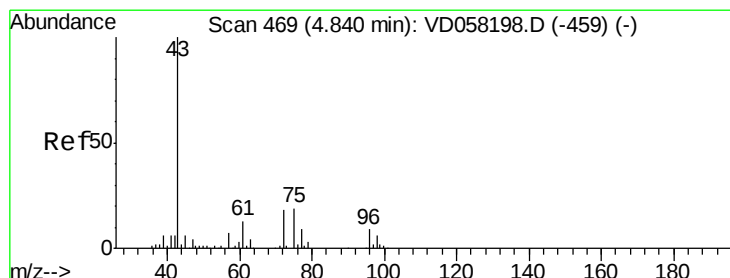
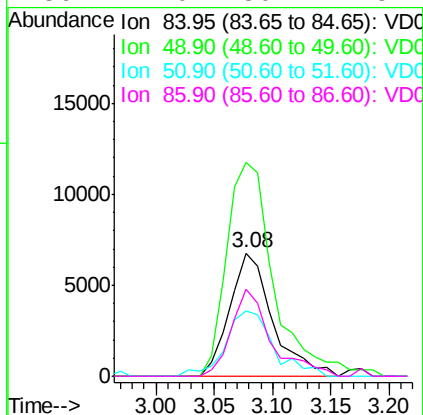




#20
Methvlene Chloride
Concen: 2.463 ug/l
RT: 3.08 min Scan# 290
Delta R.T. 0.02 min
Lab File: VD058276.D
Acq: 22 Jun 2018 4:20

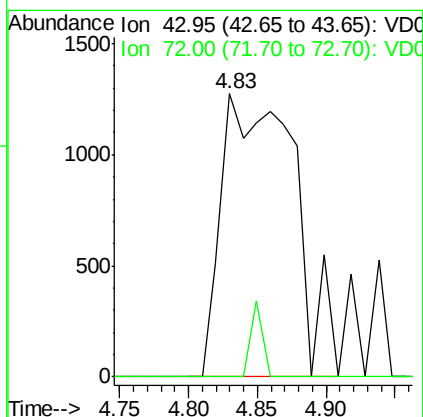
Instrument :
MSVOA_D
ClientSampleId :
SP-C

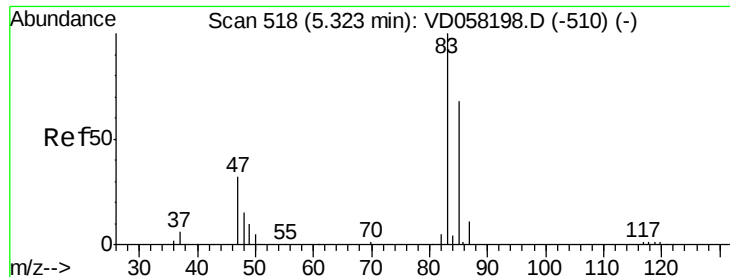
Tot Ion: 84 Resp: 17285
Ion Ratio Lower Upper
84 100
49 173.5 145.0 217.6
51 52.6 42.9 64.3
86 71.0 50.1 75.1



#25
2-Butanone
Concen: 2.268 ug/l
RT: 4.83 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD058276.D
Acq: 22 Jun 2018 4:20

Tgt Ion: 43 Resp: 4680
Ion Ratio Lower Upper
43 100
72 0.0 14.1 21.1#

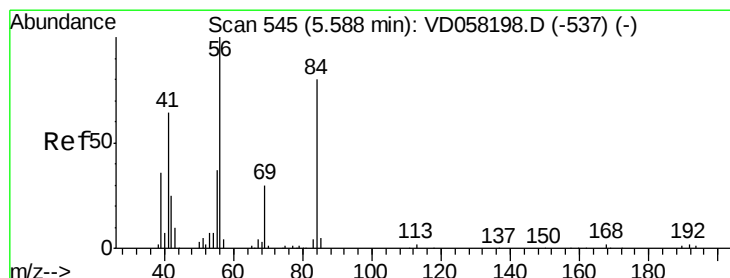
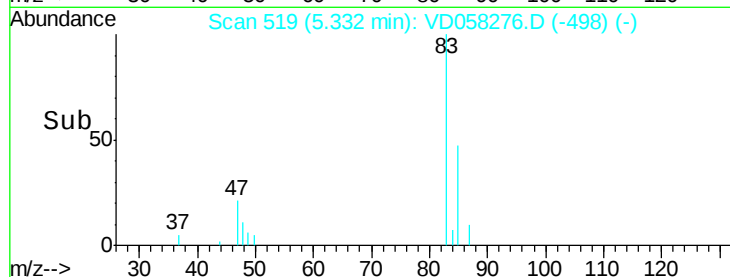
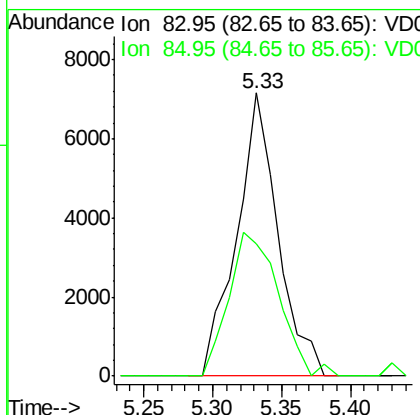
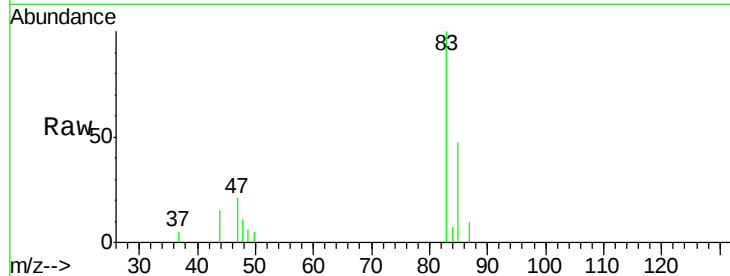




#30
Chloroform
Concen: 1.210 ug/l
RT: 5.33 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD058276.D
Acq: 22 Jun 2018 4:20

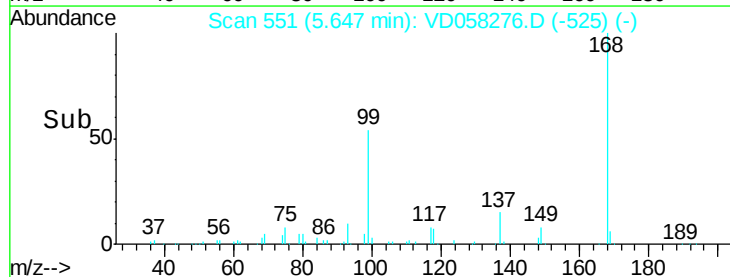
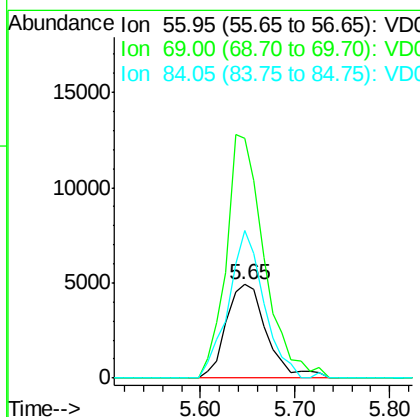
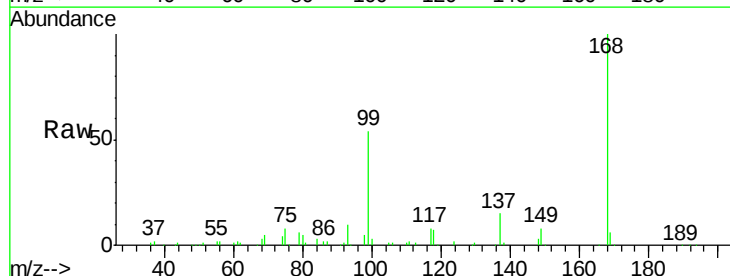
Instrument :
MSVOA_D
ClientSampleId :
SP-C

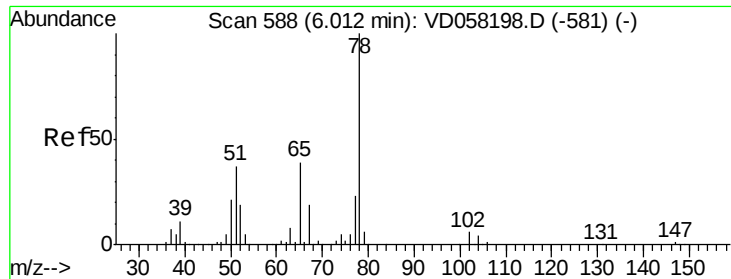
Tot Ion: 83 Resp: 14976
Ion Ratio Lower Upper
83 100
85 46.6 54.8 82.2#



#31
Cyclohexane
Concen: Below Cal
RT: 5.65 min Scan# 551
Delta R.T. 0.06 min
Lab File: VD058276.D
Acq: 22 Jun 2018 4:20

Tgt Ion: 56 Resp: 14608
Ion Ratio Lower Upper
56 100
69 256.9 23.6 35.4#
84 157.6 65.2 97.8#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058276.D

Acq: 22 Jun 2018 4:20

Instrument :

MSVOA_D

ClientSampleId :

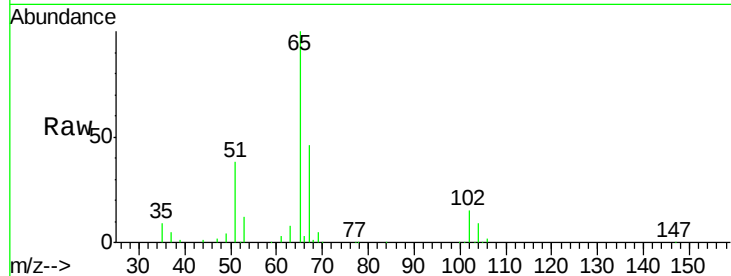
SP-C

Tot Ion: 65 Resp: 401180

Ion Ratio Lower Upper

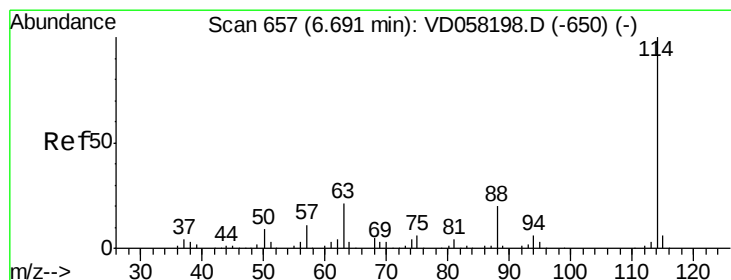
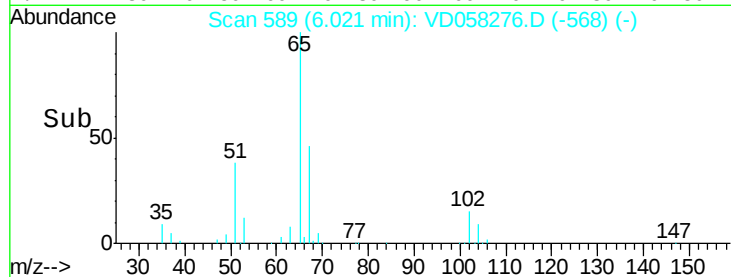
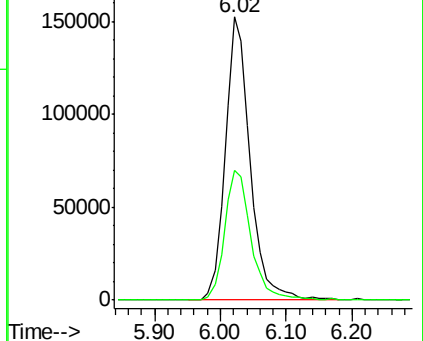
65 100

67 46.0 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: 6.70 min Scan# 658

Delta R.T. 0.01 min

Lab File: VD058276.D

Acq: 22 Jun 2018 4:20

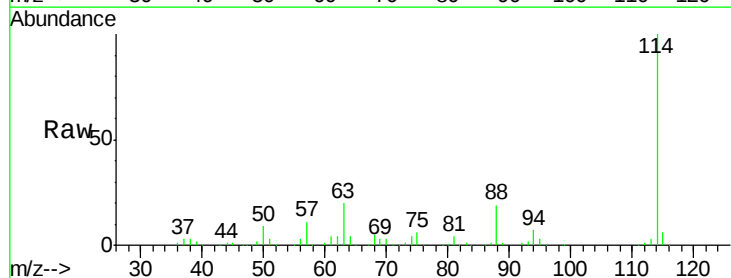
Tgt Ion: 114 Resp: 954963

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.6

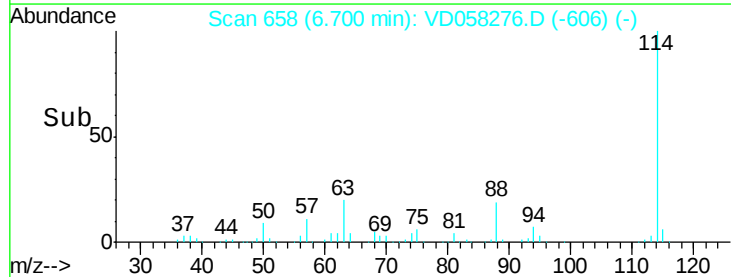
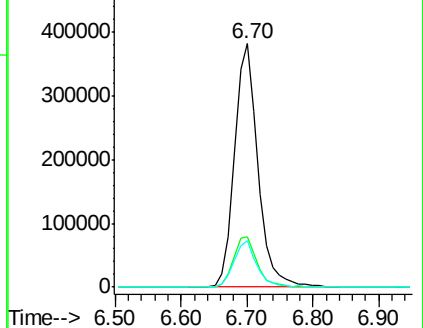
88 19.2 0.0 40.6

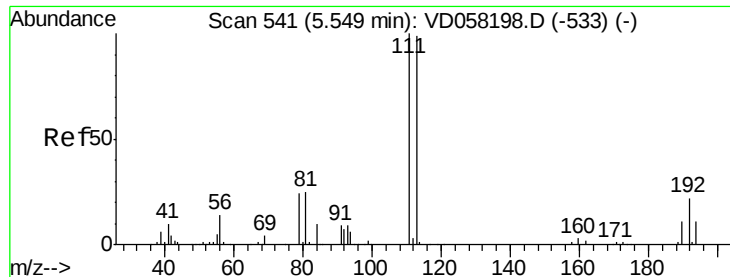


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

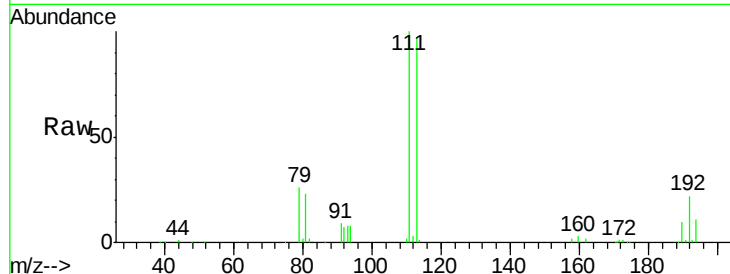




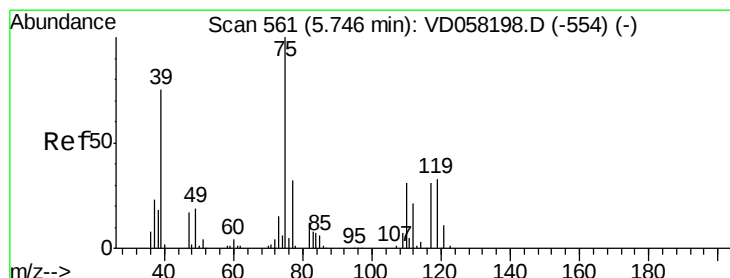
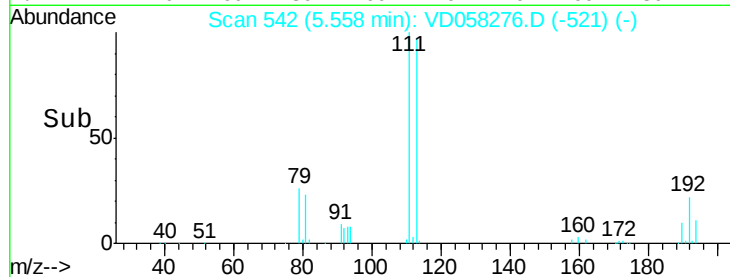
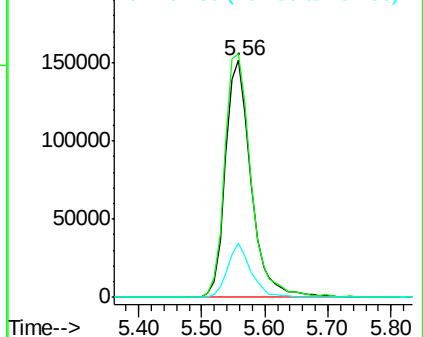
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.56 min Scan# 542
 Delta R.T. 0.01 min
 Lab File: VD058276.D
 Acq: 22 Jun 2018 4:20

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-C

Tot Ion:113 Resp: 425872
 Ion Ratio Lower Upper
 113 100
 111 102.7 80.6 121.0
 192 22.7 17.8 26.6

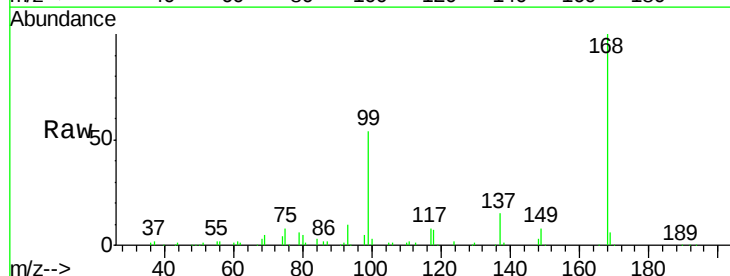


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

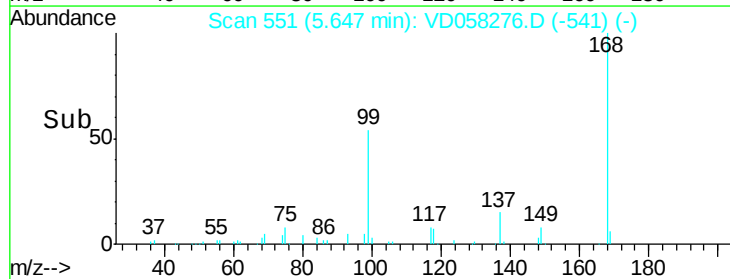
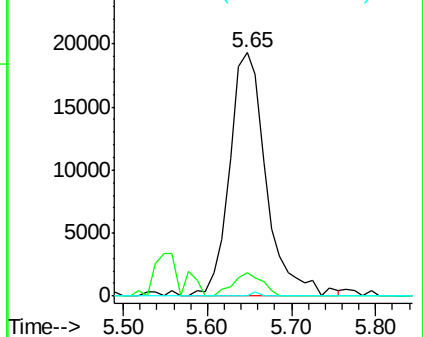


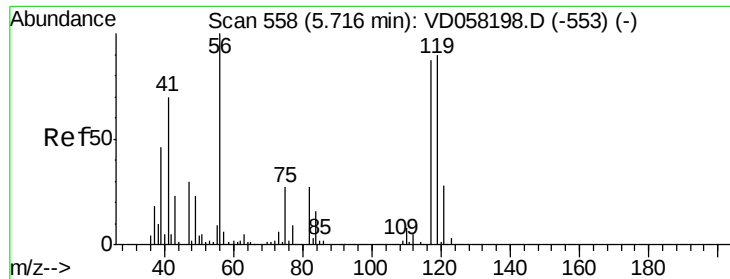
#36
 1,1-Dichloropropene
 Concen: 6.192 ug/l
 RT: 5.65 min Scan# 551
 Delta R.T. -0.10 min
 Lab File: VD058276.D
 Acq: 22 Jun 2018 4:20

Tgt Ion: 75 Resp: 58497
 Ion Ratio Lower Upper
 75 100
 110 9.7 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

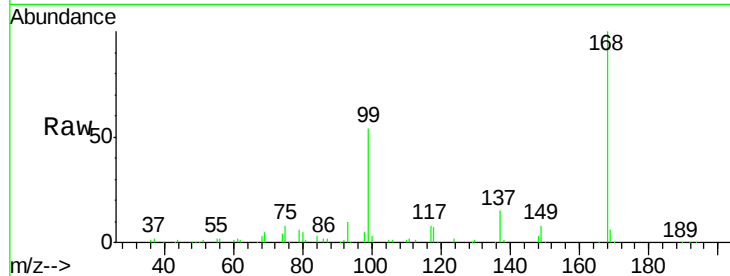




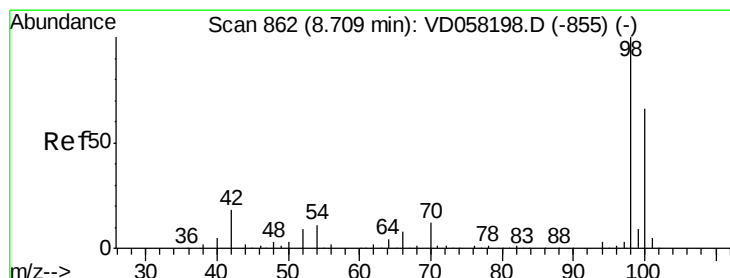
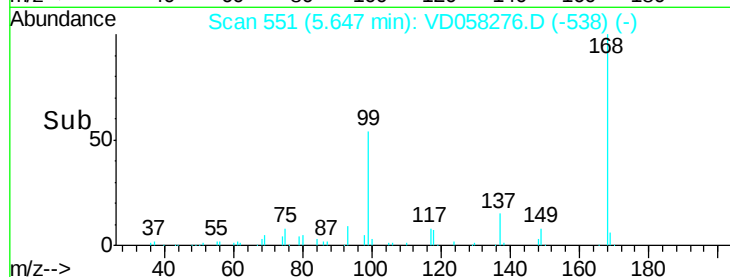
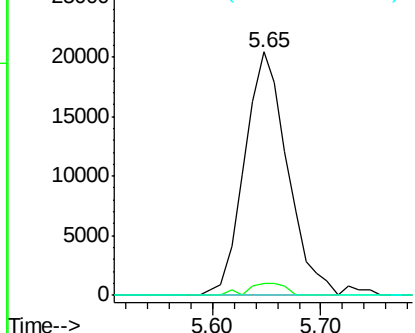
#38
Carbon Tetrachloride
Concen: 5.985 ug/l
RT: 5.65 min Scan# 551
Delta R.T. -0.07 min
Lab File: VD058276.D
Acq: 22 Jun 2018 4:20

Instrument :
MSVOA_D
ClientSampled :
SP-C

Tot Ion:117 Resp: 56180
Ion Ratio Lower Upper
117 100
119 5.0 78.8 118.2#
121 0.0 25.0 37.6#

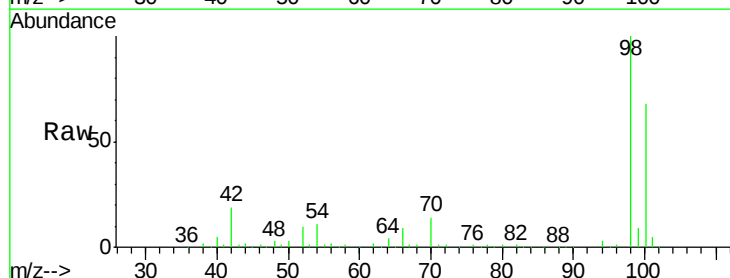


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

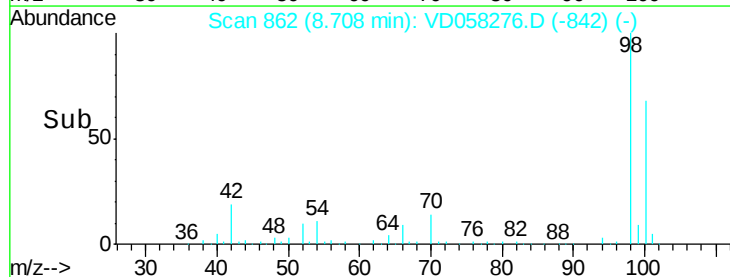
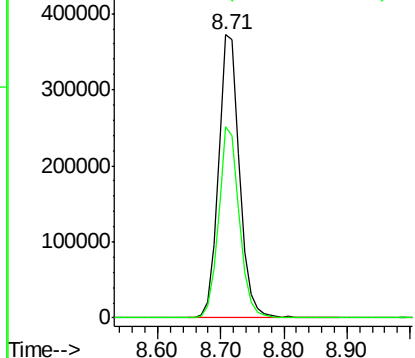


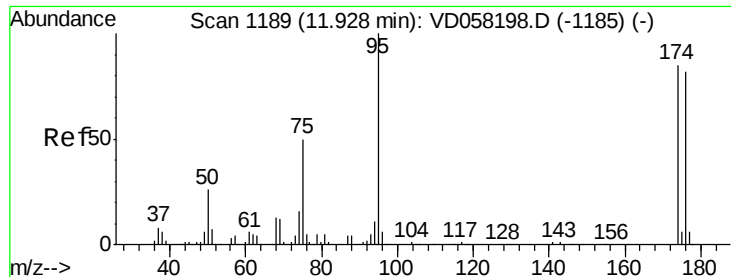
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.71 min Scan# 862
Delta R.T. -0.00 min
Lab File: VD058276.D
Acq: 22 Jun 2018 4:20

Tgt Ion: 98 Resp: 871519
Ion Ratio Lower Upper
98 100
100 67.6 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: VD058276.D

Acq: 22 Jun 2018 4:20

Instrument :

MSVOA_D

ClientSampleId :

SP-C

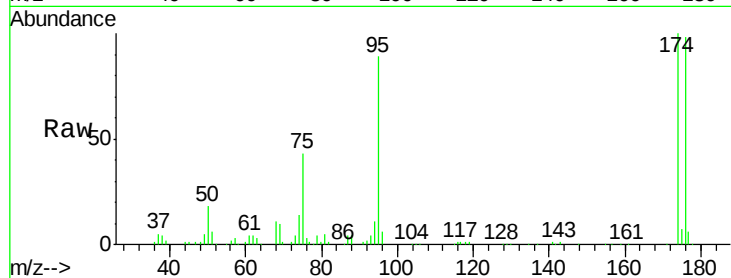
Tot Ion: 95 Resp: 348192

Ion Ratio Lower Upper

95 100

174 111.9 0.0 170.2

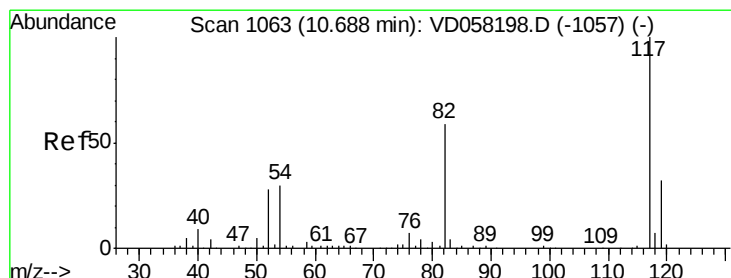
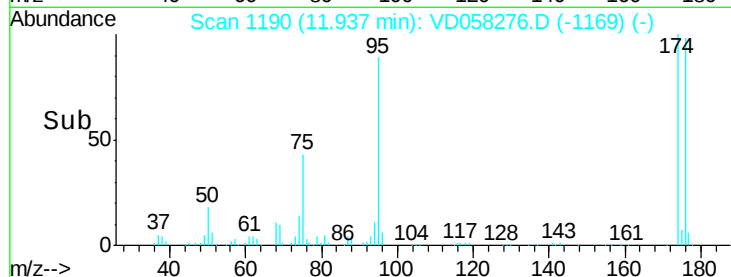
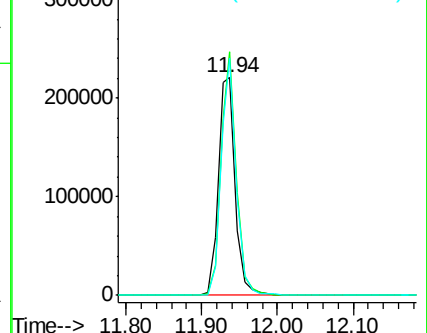
176 109.3 0.0 164.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.70 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VD058276.D

Acq: 22 Jun 2018 4:20

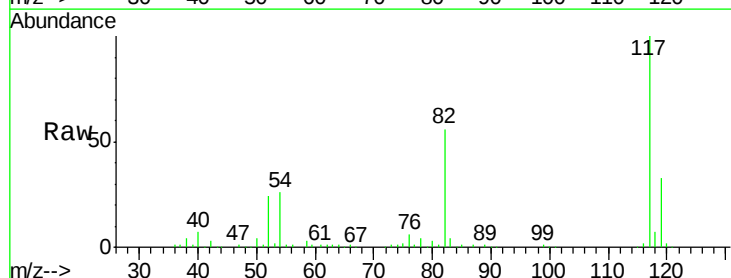
Tgt Ion: 117 Resp: 746159

Ion Ratio Lower Upper

117 100

82 56.4 47.0 70.6

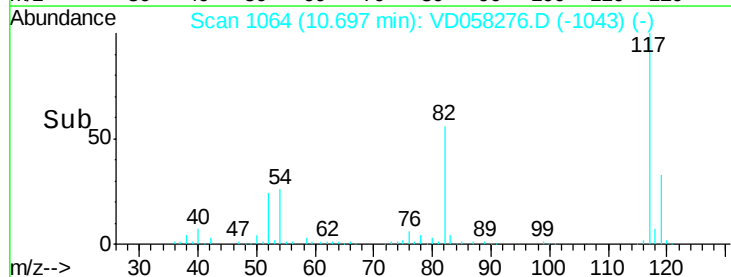
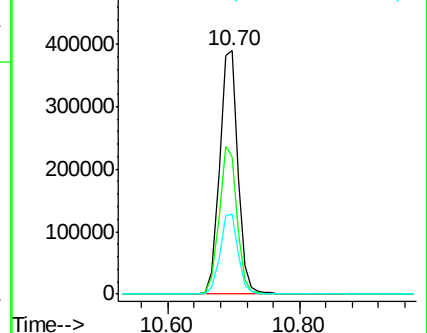
119 32.7 25.3 37.9

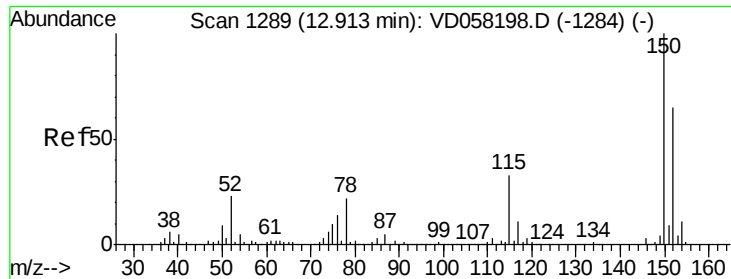


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD058276.D

Acq: 22 Jun 2018 4:20

Instrument :

MSVOA_D

ClientSampled :

SP-C

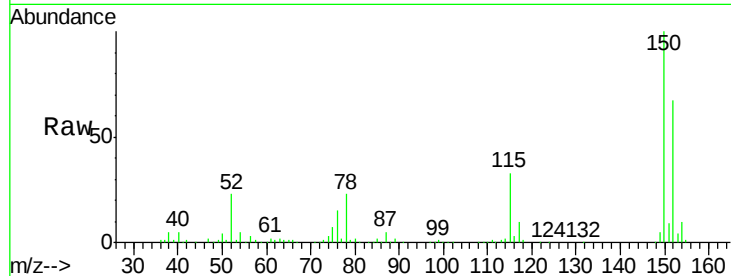
Tot Ion:152 Resp: 348386

Ion Ratio Lower Upper

152 100

115 49.5 25.1 75.3

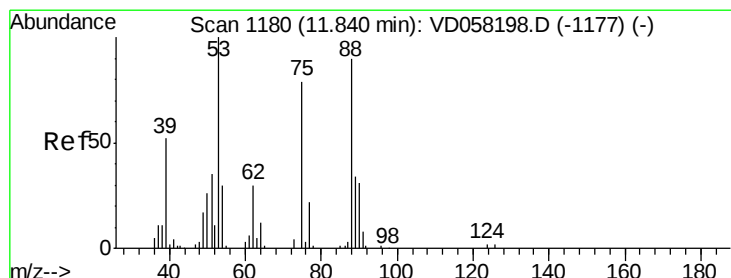
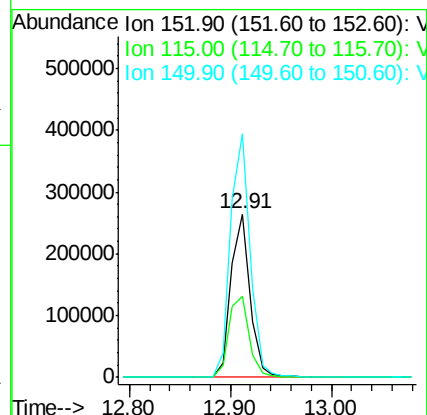
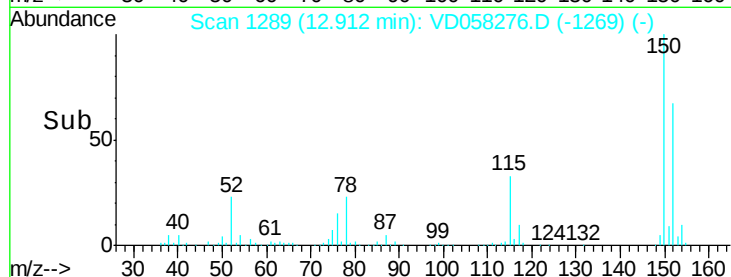
150 149.3 0.0 308.8



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



#81

trans-1,4-Dichloro-2-butene

Concen: 140.165 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058276.D

Acq: 22 Jun 2018 4:20

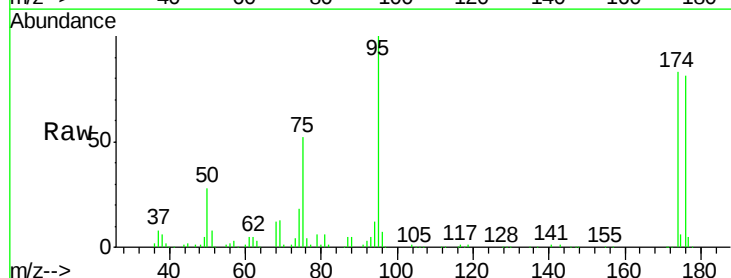
Tgt Ion: 75 Resp: 173885

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

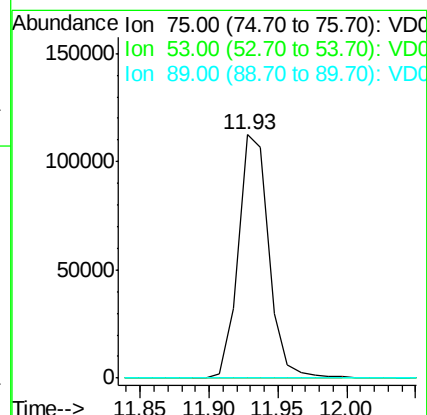
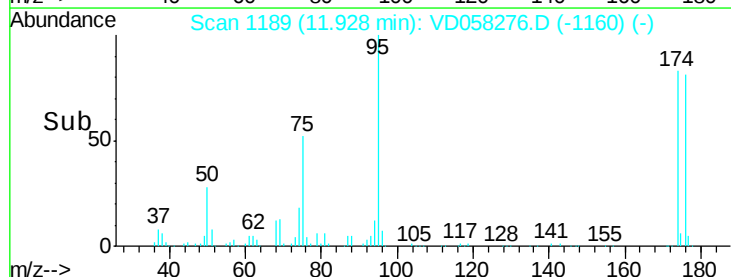
89 0.0 34.6 52.0#

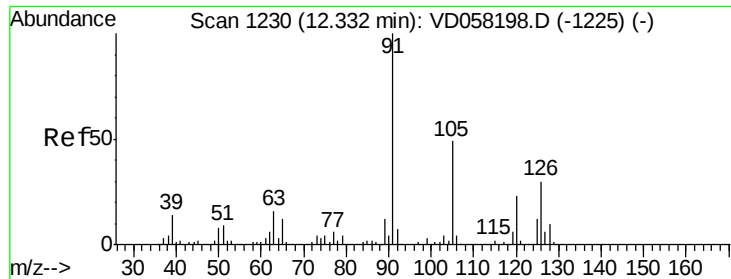


Abundance Ion 75.00 (74.70 to 75.70): VDC

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# 1230
 Delta R.T. 0.00 min
 Lab File: VD058276.D
 Acq: 22 Jun 2018 4:20

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-C

Tot Ion: 91 Resp: 525
 Ion Ratio Lower Upper
 91 100
 126 0.0 14.9 44.9#

