

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058262.D
 Acq On : 21 Jun 2018 19:50
 Operator : VA/AP
 Sample : J3603-11RE
 Misc : 5.99g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 26KV-CSMRE

Quant Time: Jun 22 06:17:09 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	514812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	795039	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.70	117	650137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	345662	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	359570	69.15	ug/l	0.00
Spiked Amount			Recovery	=	138.30%	
35) Dibromofluoromethane	5.55	113	360079	55.65	ug/l	0.00
Spiked Amount			Recovery	=	111.30%	
50) Toluene-d8	8.71	98	800665	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
62) 4-Bromofluorobenzene	11.94	95	358614	56.08	ug/l	0.00
Spiked Amount			Recovery	=	112.16%	

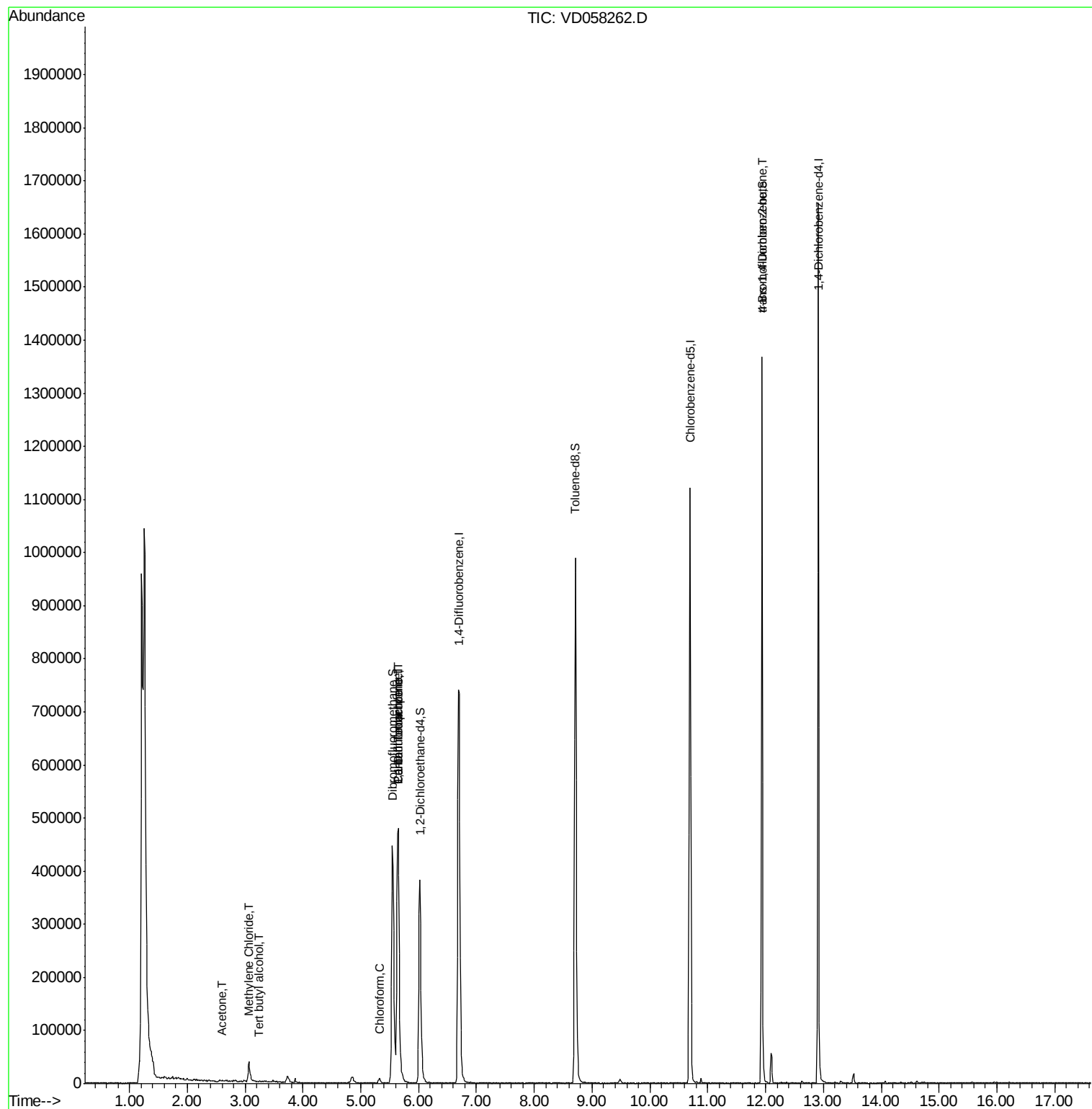
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.32	85	248	Below Cal	#	43
3) Chloromethane	1.48	50	210	Below Cal	#	43
5) Bromomethane	1.81	94	285	Below Cal	#	3
11) Tert butyl alcohol	3.24	59	181	1.055	ug/l #	78
16) Acetone	2.61	43	1740	2.447	ug/l #	62
20) Methylene Chloride	3.07	84	18448	5.716	ug/l	92
30) Chloroform	5.33	83	9677	1.041	ug/l	95
31) Cyclohexane	5.65	56	12348	Below Cal	#	1
36) 1,1-Dichloropropene	5.64	75	41908	5.328	ug/l #	51
38) Carbon Tetrachloride	5.64	117	41659	5.331	ug/l #	14
81) trans-1,4-Dichloro-2-buten	11.94	75	171829	139.600	ug/l #	1
82) 4-Chlorotoluene	12.33	91	435	Below Cal	#	45

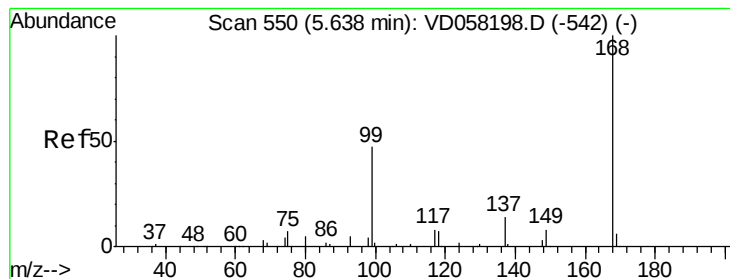
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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: VD058262.D

Acq: 21 Jun 2018 19:50

Instrument :

MSVOA_D

ClientSampleId :

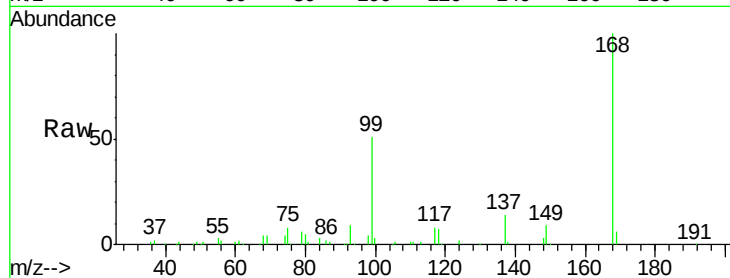
26KV-CSMRE

Tot Ion:168 Resp: 514812

Ion Ratio Lower Upper

168 100

99 51.1 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

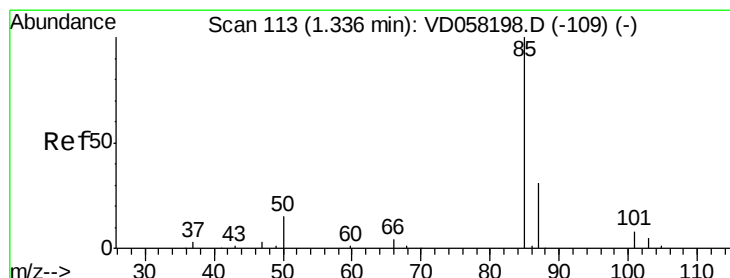
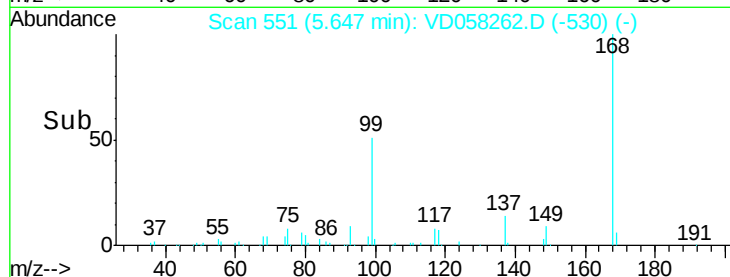
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.32 min Scan# 112

Delta R.T. -0.01 min

Lab File: VD058262.D

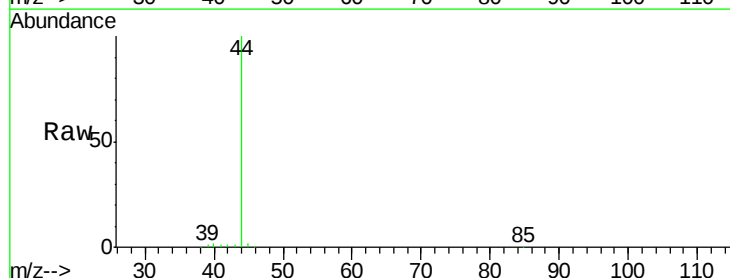
Acq: 21 Jun 2018 19:50

Tgt Ion: 85 Resp: 248

Ion Ratio Lower Upper

85 100

87 0.0 15.7 47.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.32

400

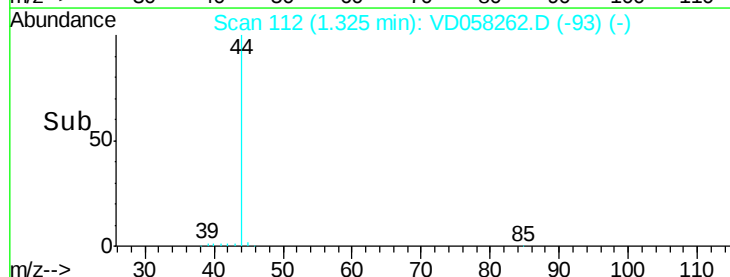
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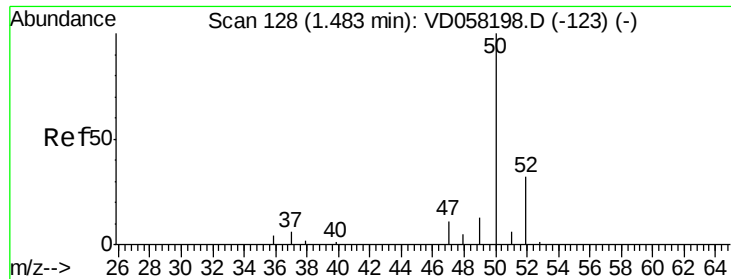
200

100

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 1.48 min Scan# 128

Delta R.T. -0.00 min

Lab File: VD058262.D

Acq: 21 Jun 2018 19:50

Instrument :

MSVOA_D

ClientSampleId :

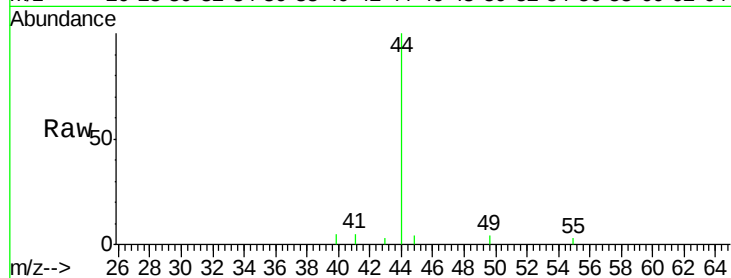
26KV-CSMRE

Tot Ion: 50 Resp: 210

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

1.48

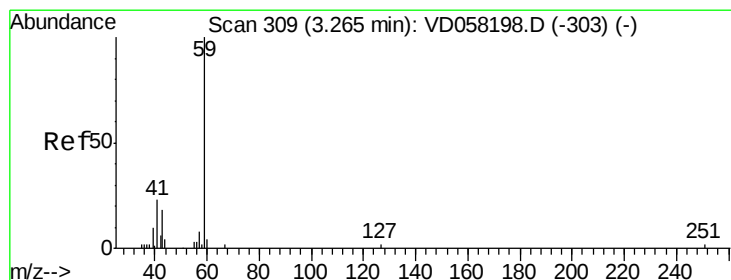
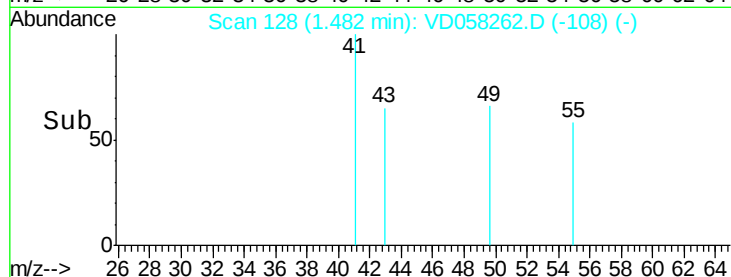
300

200

100

0

Time-->



#11

Tert butyl alcohol

Concen: 1.055 ug/l

RT: 3.24 min Scan# 307

Delta R.T. -0.02 min

Lab File: VD058262.D

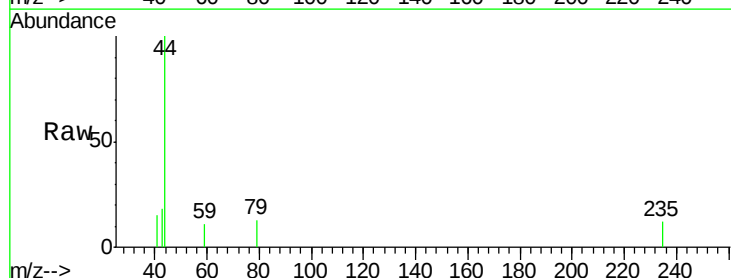
Acq: 21 Jun 2018 19:50

Tgt Ion: 59 Resp: 181

Ion Ratio Lower Upper

59 100

57 0.0 6.2 9.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.24

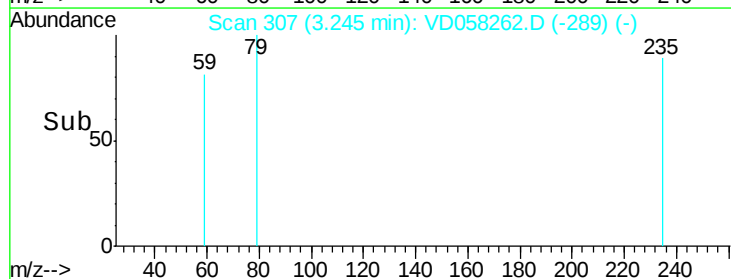
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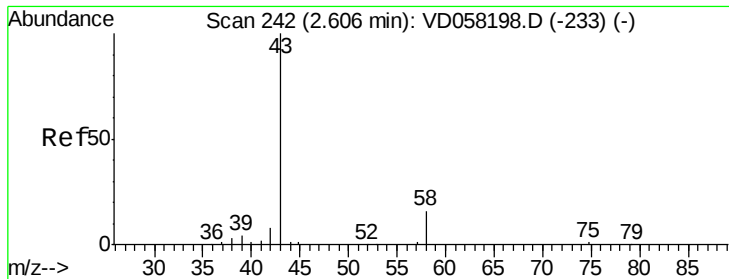
200

100

0

Time-->





#16

Acetone

Concen: 2.447 ug/l

RT: 2.61 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD058262.D

Acq: 21 Jun 2018 19:50

Instrument :

MSVOA_D

ClientSampleId :

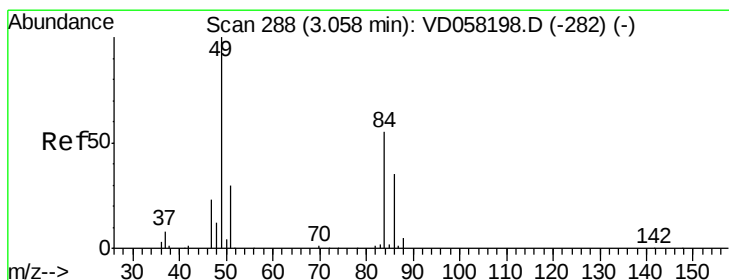
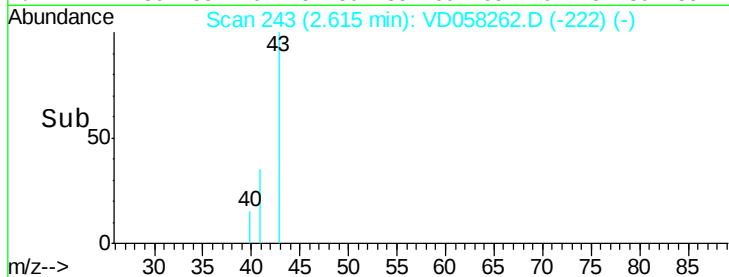
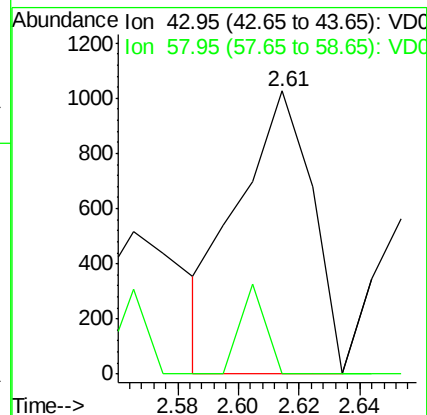
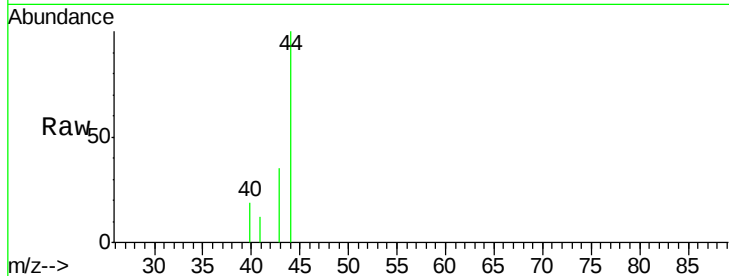
26KV-CSMRE

Tot Ion: 43 Resp: 1740

Ion Ratio Lower Upper

43 100

58 0.0 12.7 19.1#



#20

Methylene Chloride

Concen: 5.716 ug/l

RT: 3.07 min Scan# 289

Delta R.T. 0.01 min

Lab File: VD058262.D

Acq: 21 Jun 2018 19:50

Tgt Ion: 84 Resp: 18448

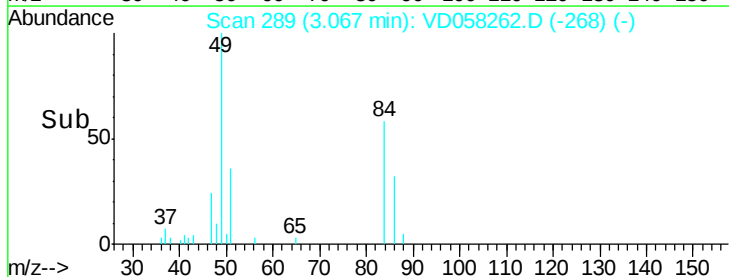
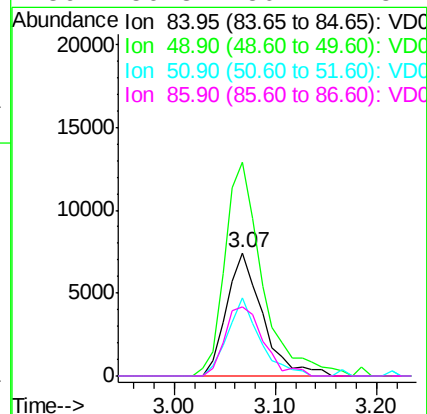
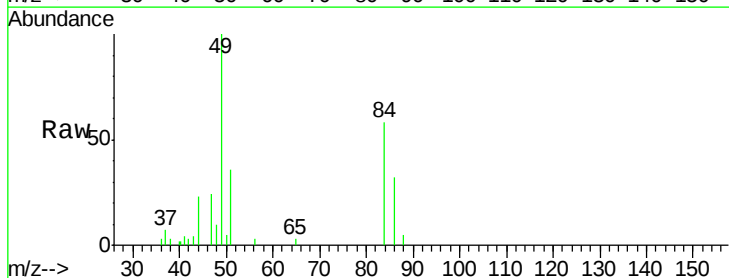
Ion Ratio Lower Upper

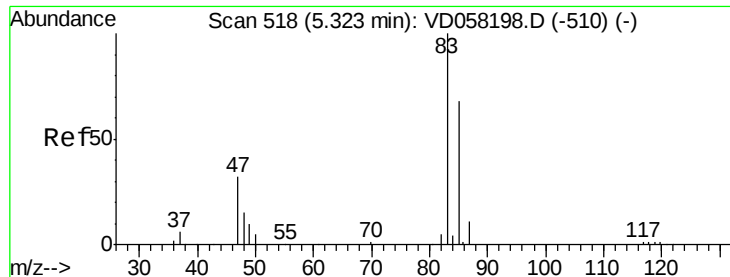
84 100

49 173.2 145.0 217.6

51 63.1 42.9 64.3

86 56.3 50.1 75.1

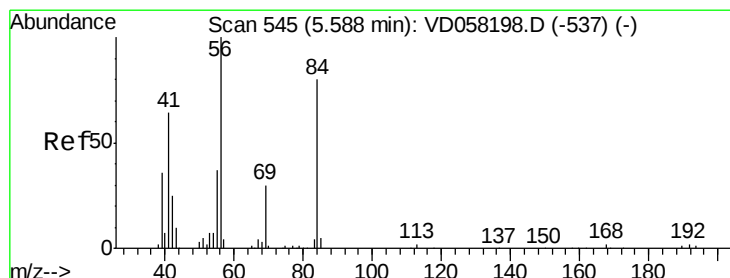
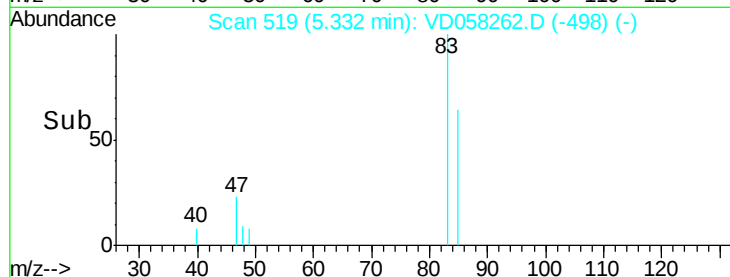
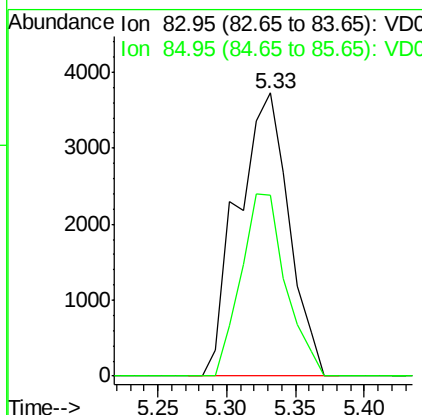
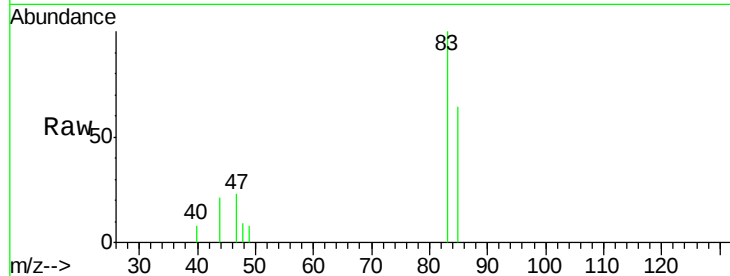




#30
Chloroform
Concen: 1.041 ug/l
RT: 5.33 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD058262.D
Acq: 21 Jun 2018 19:50

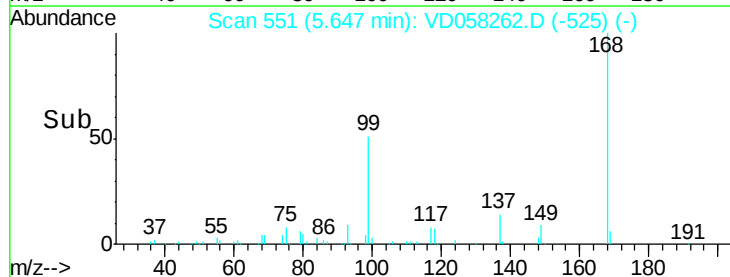
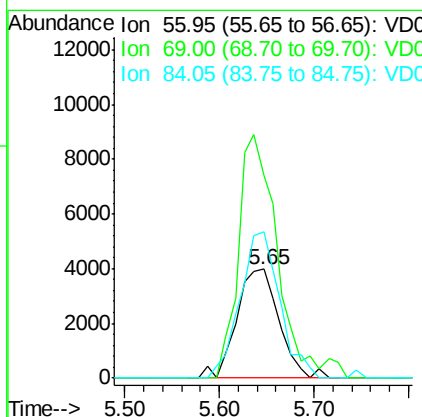
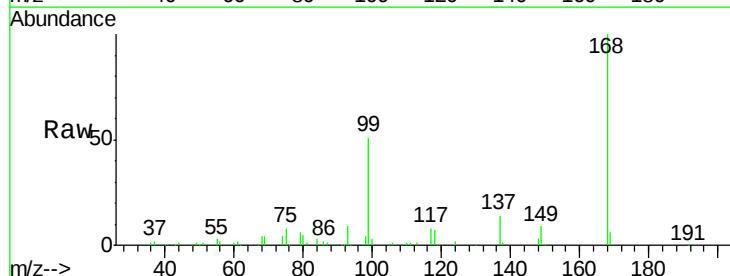
Instrument :
MSVOA_D
ClientSampleId :
26KV-CSMRE

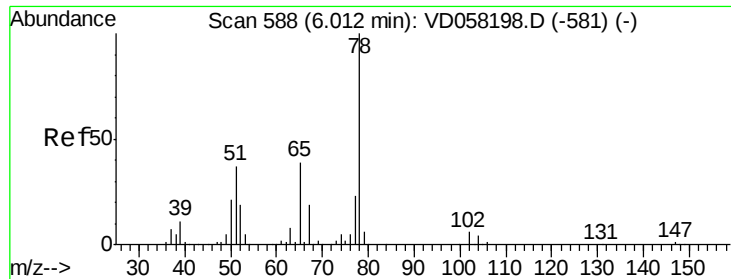
Tot Ion: 83 Resp: 9677
Ion Ratio Lower Upper
83 100
85 64.1 54.8 82.2



#31
Cyclohexane
Concen: Below Cal
RT: 5.65 min Scan# 551
Delta R.T. 0.06 min
Lab File: VD058262.D
Acq: 21 Jun 2018 19:50

Tgt Ion: 56 Resp: 12348
Ion Ratio Lower Upper
56 100
69 186.0 23.6 35.4#
84 133.8 65.2 97.8#

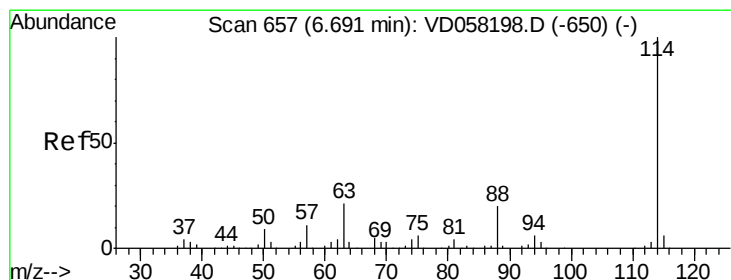
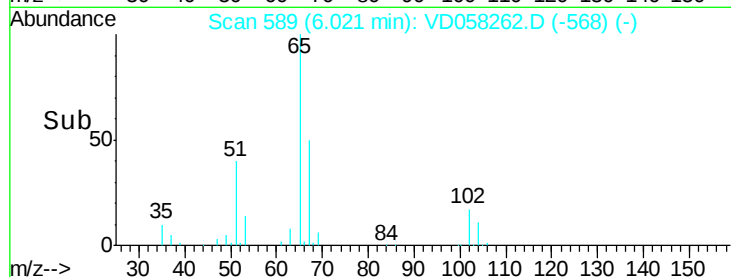
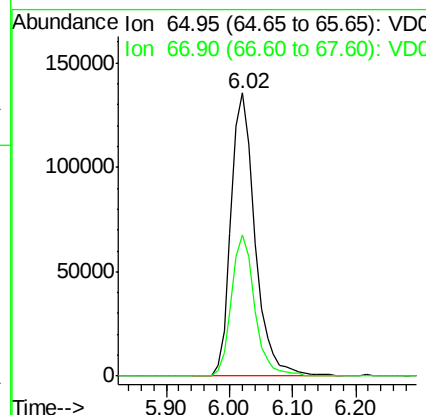
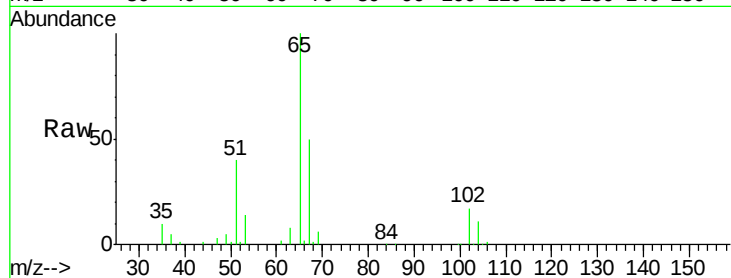




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. 0.01 min
 Lab File: VD058262.D
 Acq: 21 Jun 2018 19:50

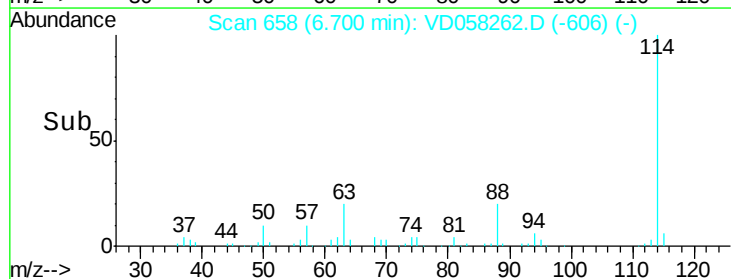
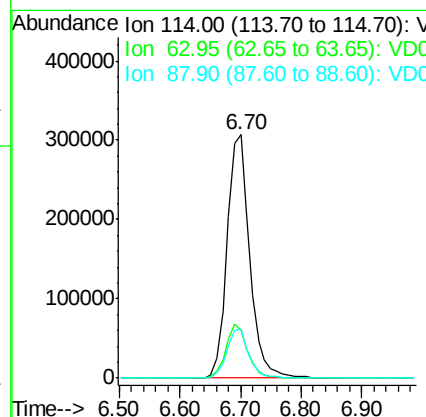
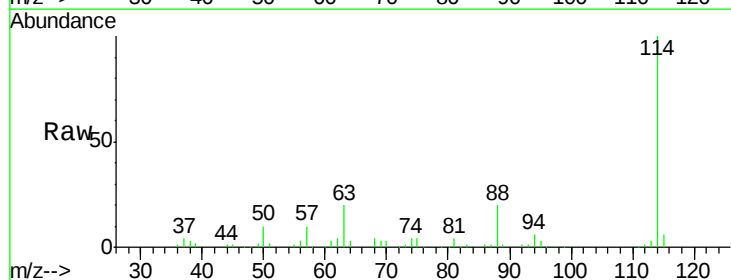
Instrument :
 MSVOA_D
 ClientSampleId :
 26KV-CSMRE

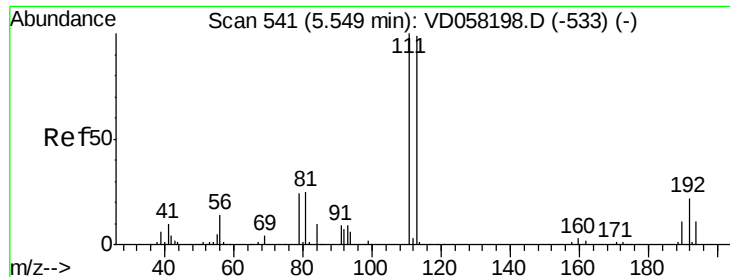
Tot Ion: 65 Resp: 359570
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VD058262.D
 Acq: 21 Jun 2018 19:50

Tgt Ion: 114 Resp: 795039
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 42.6
 88 19.9 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: VD058262.D

Acq: 21 Jun 2018 19:50

Instrument :

MSVOA_D

ClientSampleId :

26KV-CSMRE

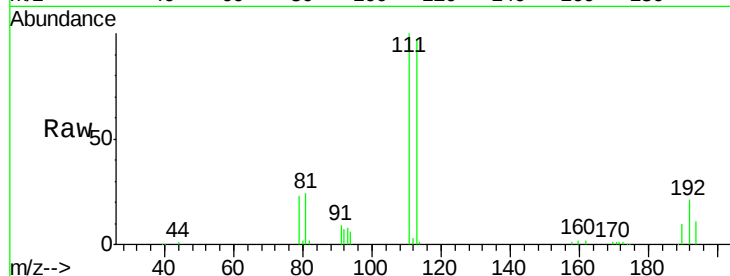
Tot Ion:113 Resp: 360079

Ion Ratio Lower Upper

113 100

111 102.9 80.6 121.0

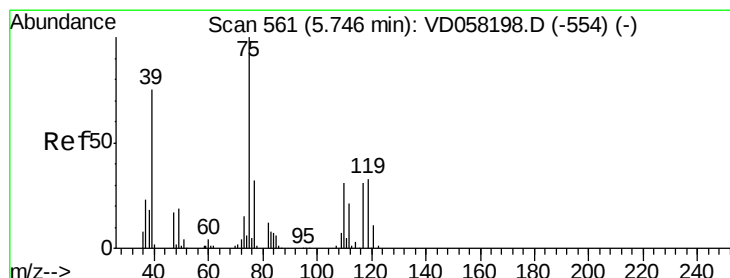
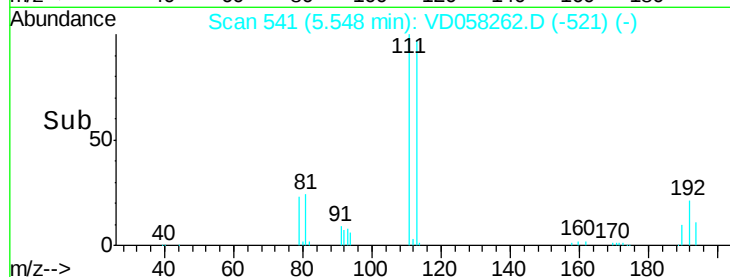
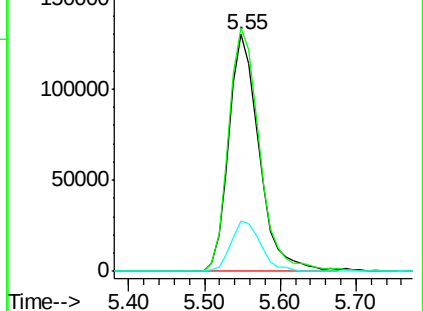
192 21.3 17.8 26.6



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: 5.328 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.11 min

Lab File: VD058262.D

Acq: 21 Jun 2018 19:50

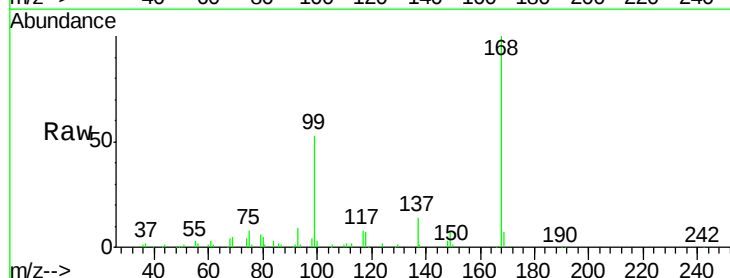
Tgt Ion: 75 Resp: 41908

Ion Ratio Lower Upper

75 100

110 8.1 15.4 46.4#

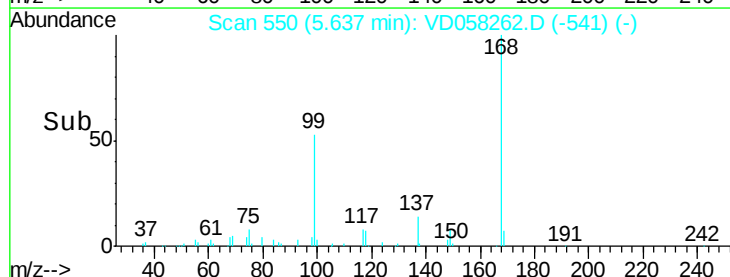
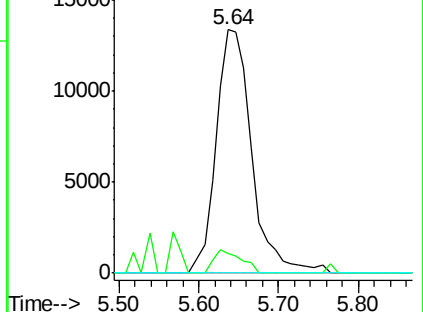
77 0.0 25.4 38.2#

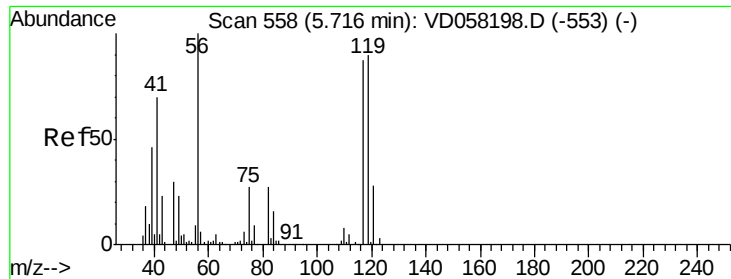


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

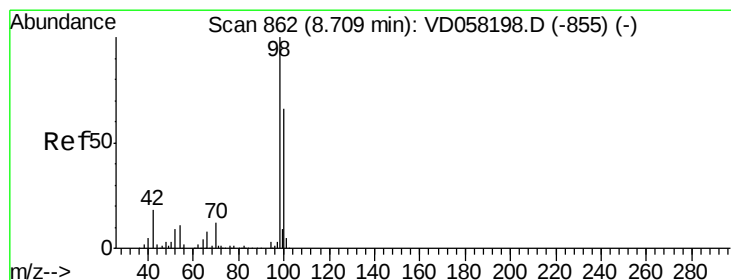
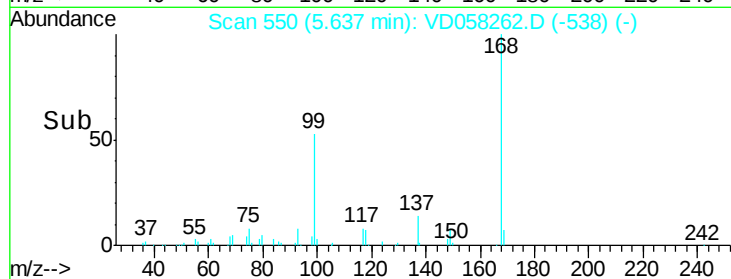
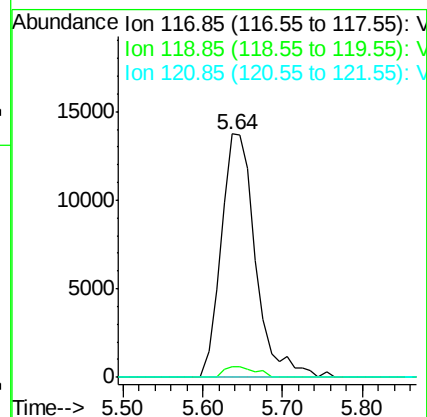
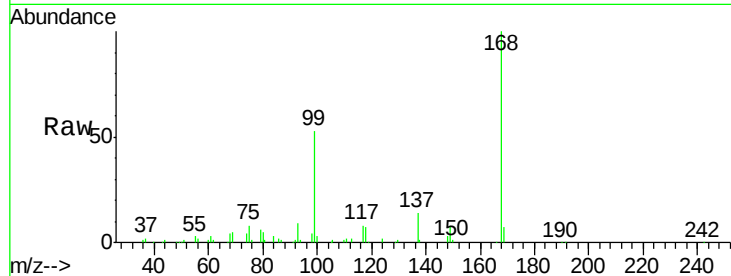




#38
Carbon Tetrachloride
Concen: 5.331 ug/l
RT: 5.64 min Scan# 550
Delta R.T. -0.08 min
Lab File: VD058262.D
Acq: 21 Jun 2018 19:50

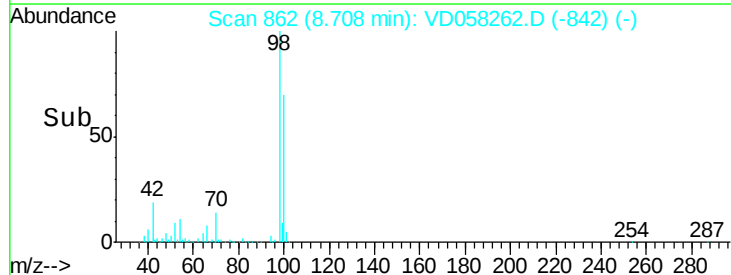
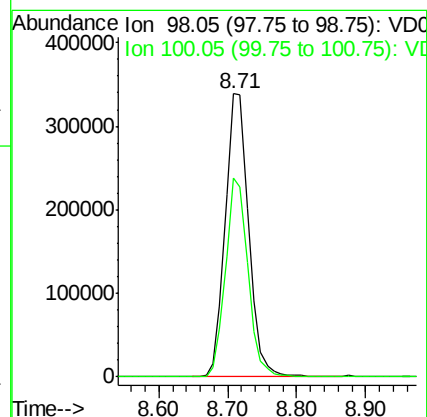
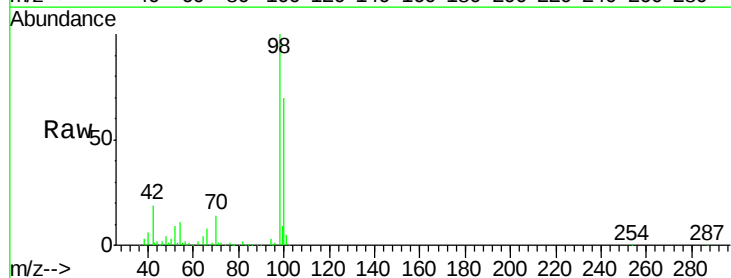
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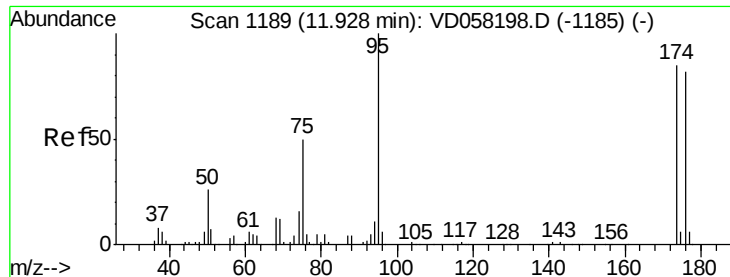
Tot Ion:117 Resp: 41659
Ion Ratio Lower Upper
117 100
119 4.4 78.8 118.2#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.71 min Scan# 862
Delta R.T. -0.00 min
Lab File: VD058262.D
Acq: 21 Jun 2018 19:50

Tgt Ion: 98 Resp: 800665
Ion Ratio Lower Upper
98 100
100 70.2 53.6 80.4

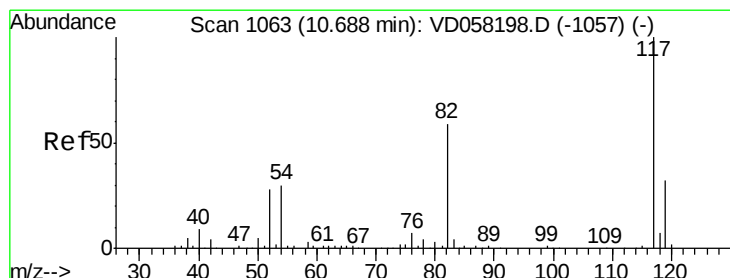
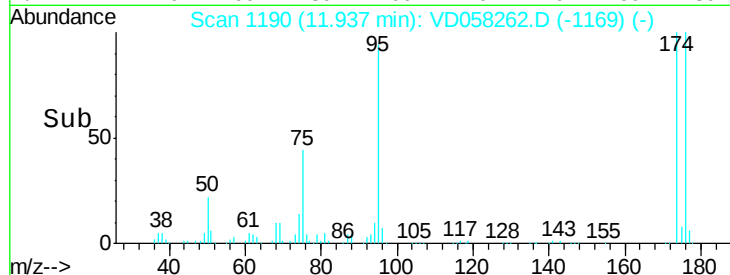
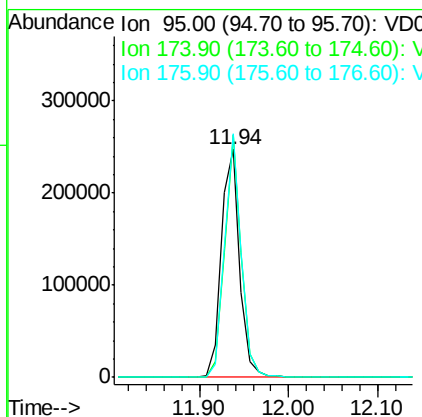
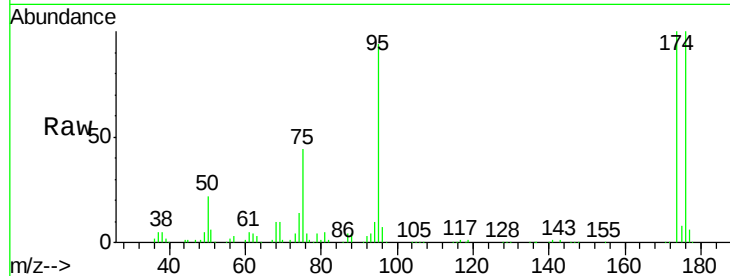




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.94 min Scan# 1190
Delta R.T. 0.01 min
Lab File: VD058262.D
Acq: 21 Jun 2018 19:50

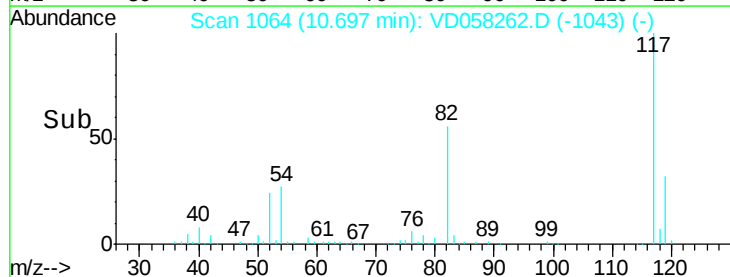
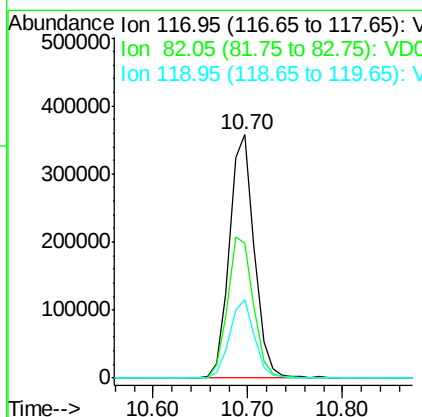
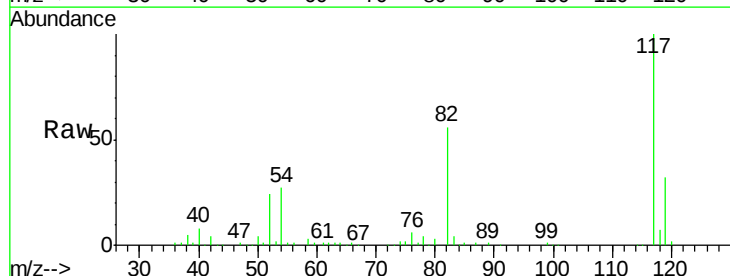
Instrument :
MSVOA_D
ClientSampleId :
26KV-CSMRE

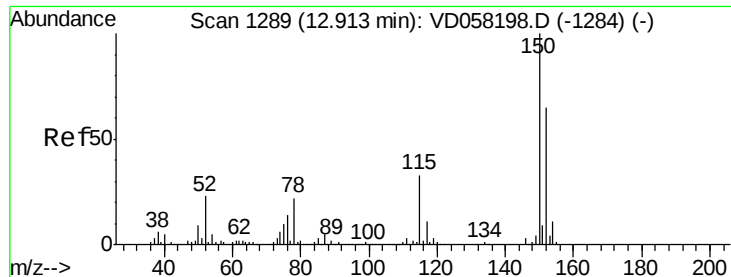
Tot Ion: 95 Resp: 358614
Ion Ratio Lower Upper
95 100
174 106.5 0.0 170.2
176 106.8 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058262.D
Acq: 21 Jun 2018 19:50

Tgt Ion: 117 Resp: 650137
Ion Ratio Lower Upper
117 100
82 55.5 47.0 70.6
119 32.4 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VD058262.D

Acq: 21 Jun 2018 19:50

Instrument :

MSVOA_D

ClientSampleId :

26KV-CSMRE

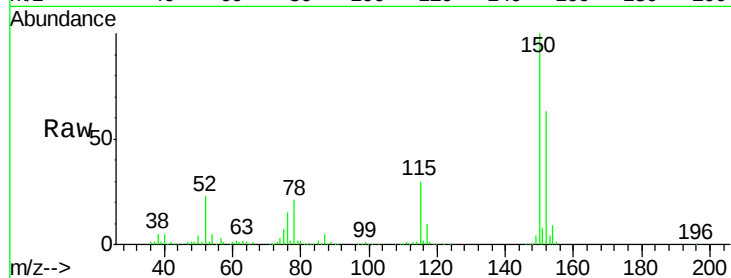
Tot Ion:152 Resp: 345662

Ion Ratio Lower Upper

152 100

115 47.8 25.1 75.3

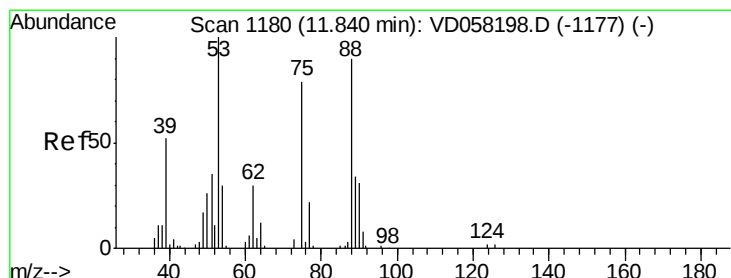
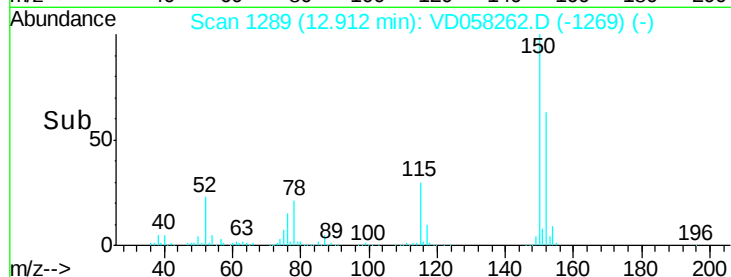
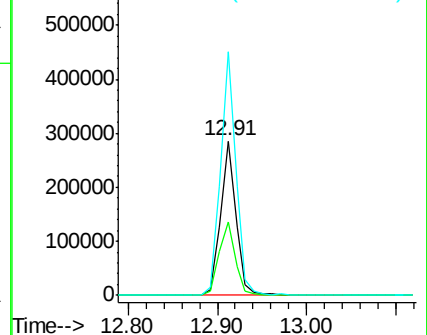
150 157.8 0.0 308.8



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: 139.600 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.10 min

Lab File: VD058262.D

Acq: 21 Jun 2018 19:50

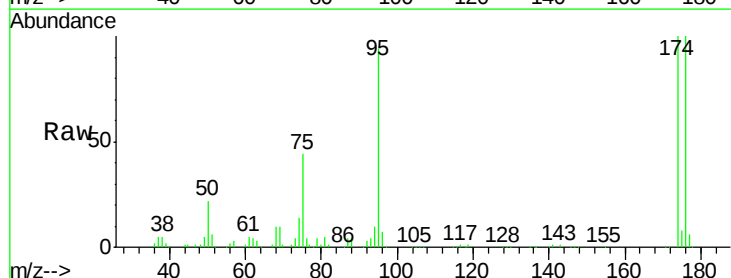
Tgt Ion: 75 Resp: 171829

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

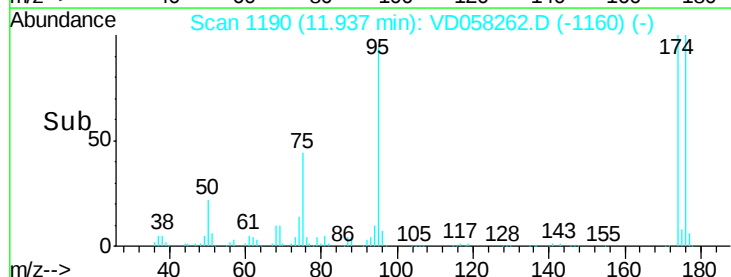
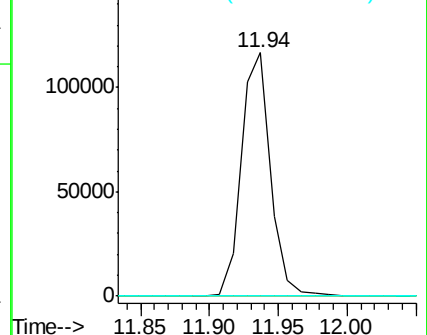
89 0.0 34.6 52.0#

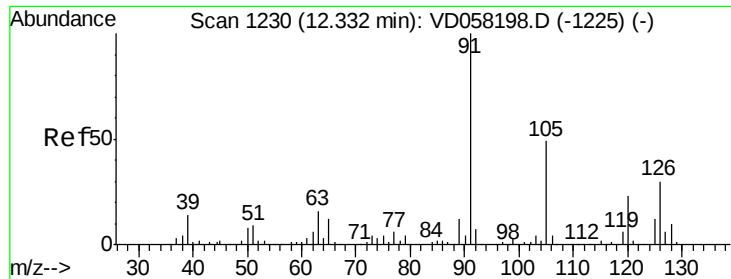


Abundance Ion 75.00 (74.70 to 75.70): VDC

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: VD058262.D
 Acq: 21 Jun 2018 19:50

Instrument :
 MSVOA_D
 ClientSampleId :
 26KV-CSMRE

Tot Ion: 91 Resp: 435
 Ion Ratio Lower Upper
 91 100
 126 0.0 14.9 44.9#

