

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062218\
 Data File : VD058312.D
 Acq On : 22 Jun 2018 22:37
 Operator : VA/AP
 Sample : J3617-02
 Misc : 7.56g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 IDW-SO1-SRI3RE

Quant Time: Jun 23 00:04:58 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	5.64	168	610123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	819414	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	678870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	373222	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	361825	58.71	ug/l	0.00
Spiked Amount			Recovery	=	117.42%	
35) Dibromofluoromethane	5.55	113	339547	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
50) Toluene-d8	8.70	98	818527	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
62) 4-Bromofluorobenzene	11.93	95	353703	53.66	ug/l	0.00
Spiked Amount			Recovery	=	107.32%	

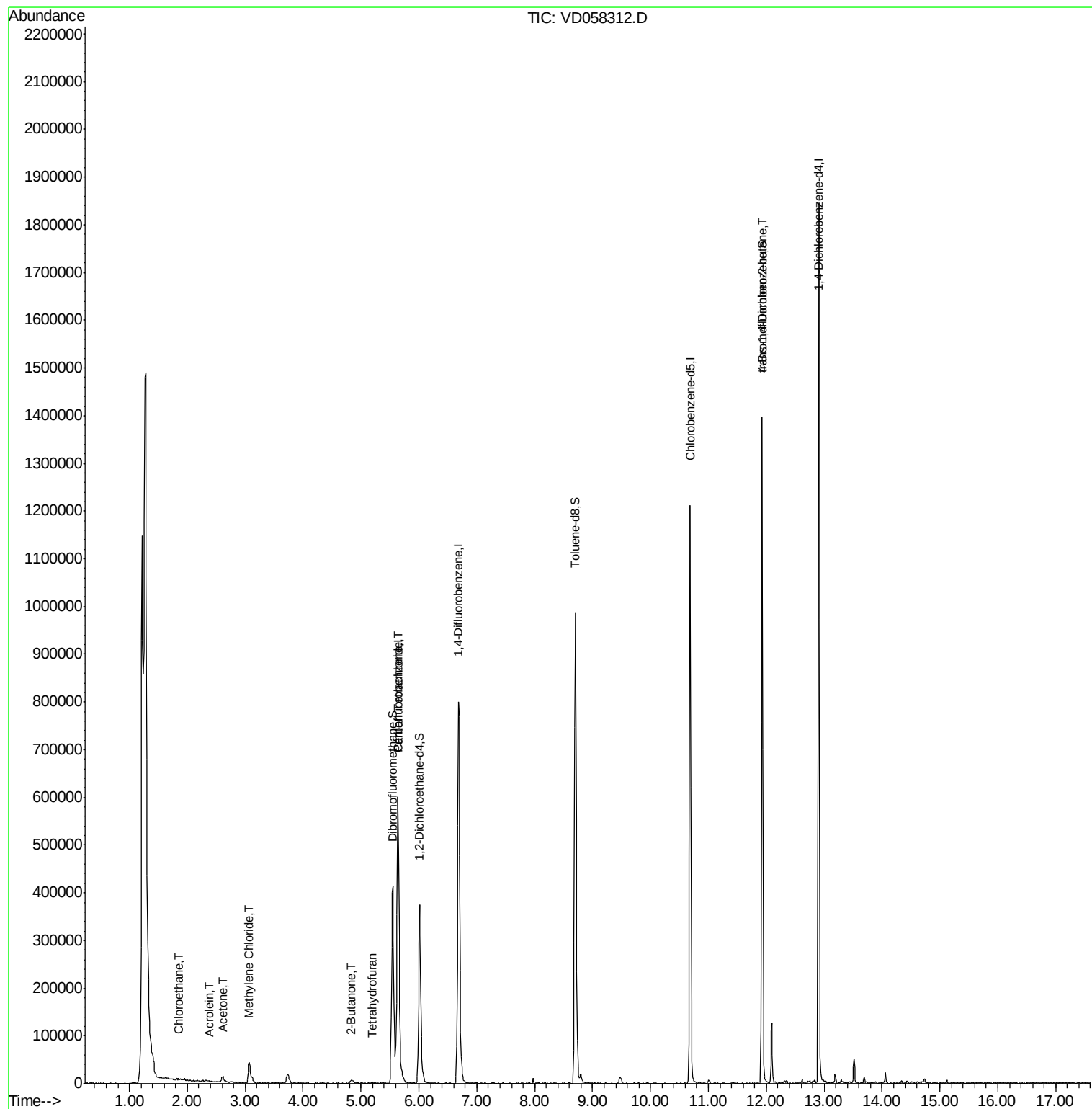
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.35	85	406	Below Cal	#	43
3) Chloromethane	1.42	50	310	Below Cal	#	43
6) Chloroethane	1.85	64	263	1.595	ug/l #	41
13) Acrolein	2.37	56	179	1.543	ug/l #	11
16) Acetone	2.61	43	25945	30.784	ug/l #	85
20) Methylene Chloride	3.07	84	24329	6.955	ug/l	82
25) 2-Butanone	4.84	43	5716	3.112	ug/l #	60
29) Tetrahydrofuran	5.20	42	1011	1.034	ug/l #	86
31) Cyclohexane	5.64	56	15120	Below Cal	#	1
38) Carbon Tetrachloride	5.64	117	53379	6.627	ug/l #	13
81) trans-1,4-Dichloro-2-buten	11.93	75	170175	128.047	ug/l #	1
82) 4-Chlorotoluene	12.32	91	1928	Below Cal	#	45

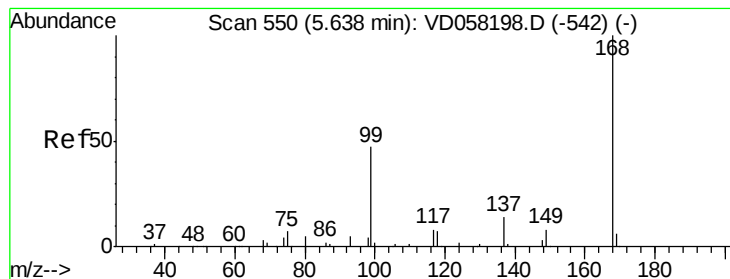
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062218\
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Quant Title : SW846 8260
QLast Update : Wed Jun 20 05:52:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.00 min

Lab File: VD058312.D

Acq: 22 Jun 2018 22:37

Instrument :

MSVOA_D

ClientSampleId :

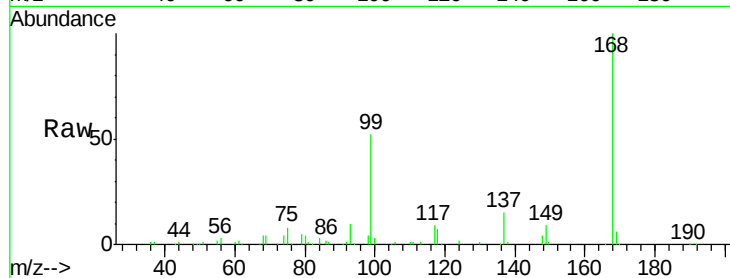
IDW-SO1-SRI3RE

Tot Ion:168 Resp: 610123

Ion Ratio Lower Upper

168 100

99 52.1 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.64

250000

200000

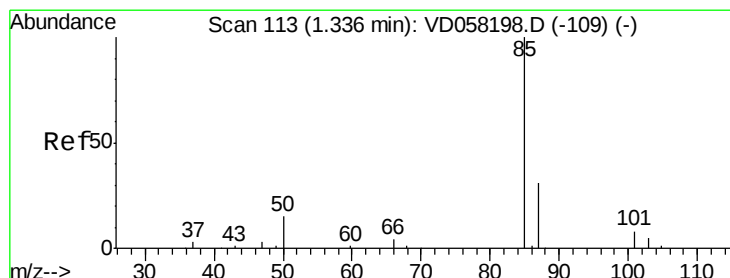
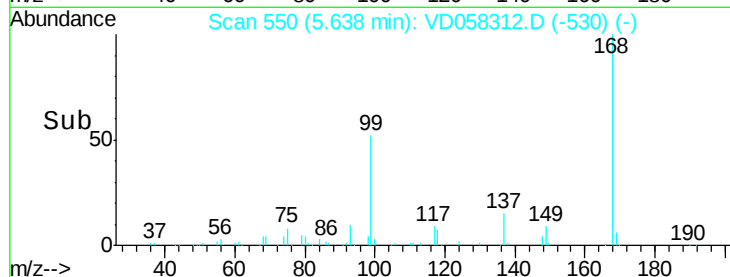
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.35 min Scan# 114

Delta R.T. 0.01 min

Lab File: VD058312.D

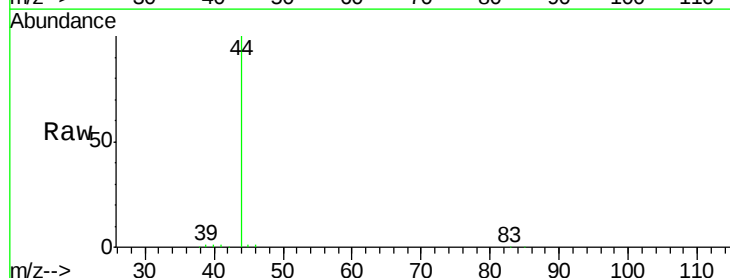
Acq: 22 Jun 2018 22:37

Tgt Ion: 85 Resp: 406

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

1.35

400

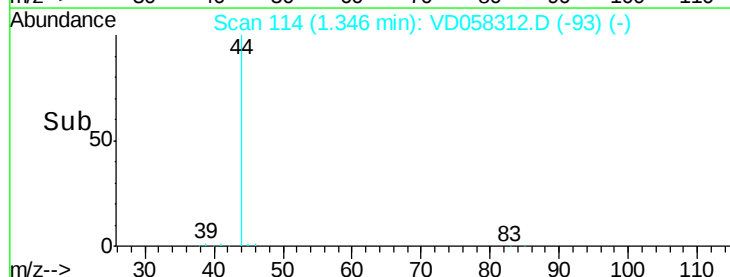
300

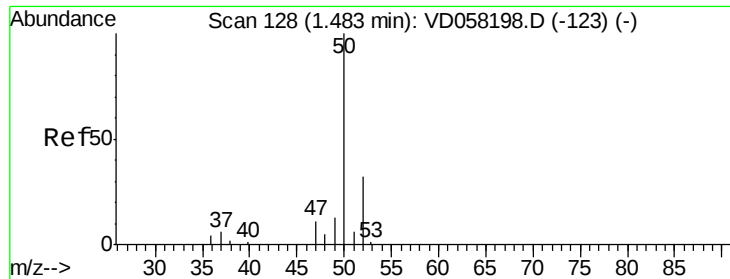
200

100

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 1.42 min Scan# 122

Delta R.T. -0.06 min

Lab File: VD058312.D

Acq: 22 Jun 2018 22:37

Instrument :

MSVOA_D

ClientSampleId :

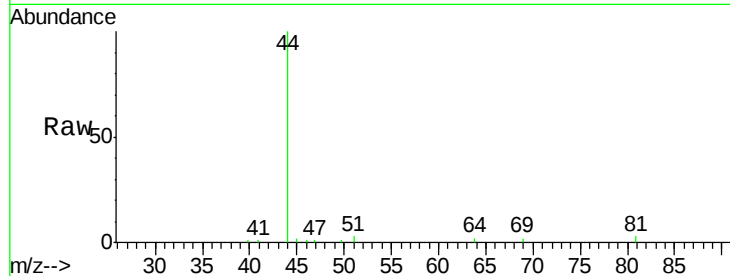
IDW-SO1-SRI3RE

Tot Ion: 50 Resp: 310

Ion Ratio Lower Upper

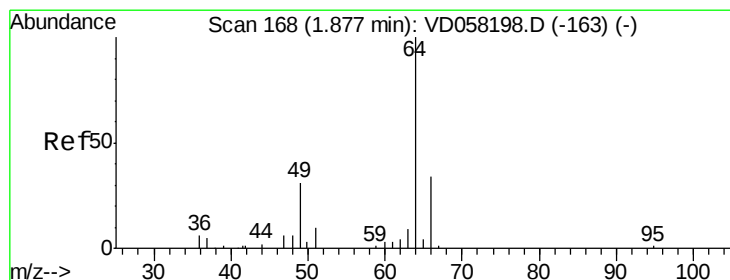
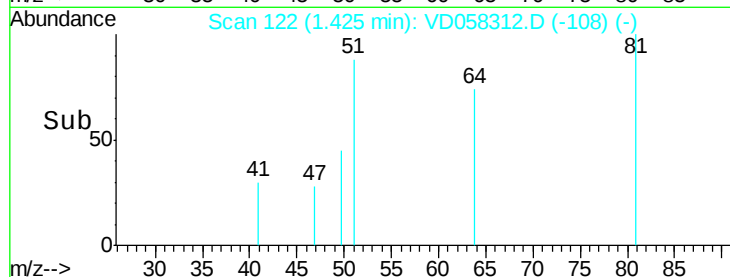
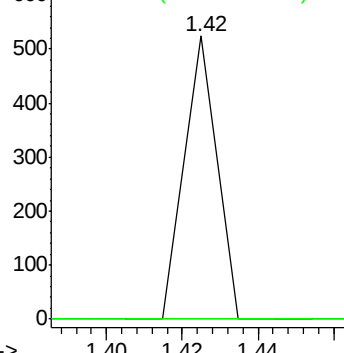
50 100

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



#6

Chloroethane

Concen: 1.595 ug/l

RT: 1.85 min Scan# 165

Delta R.T. -0.03 min

Lab File: VD058312.D

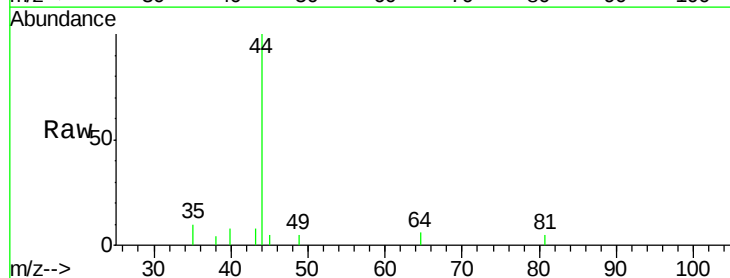
Acq: 22 Jun 2018 22:37

Tgt Ion: 64 Resp: 263

Ion Ratio Lower Upper

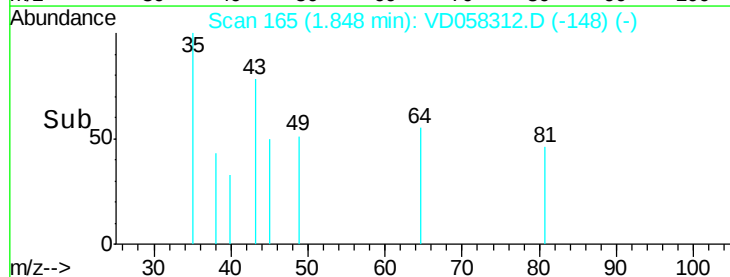
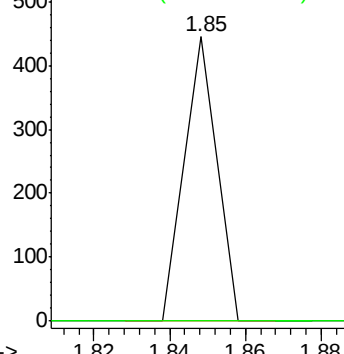
64 100

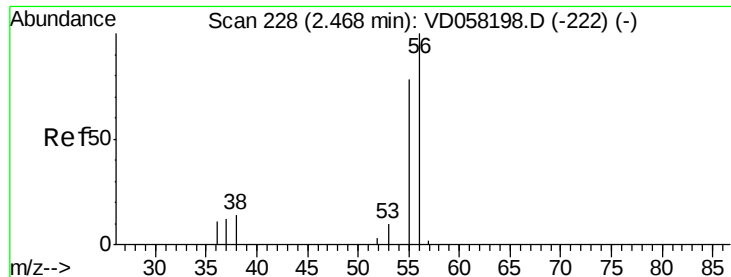
66 0.0 27.3 40.9#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#13

Acrolein

Concen: 1.543 ug/l

RT: 2.37 min Scan# 218

Delta R.T. -0.10 min

Lab File: VD058312.D

Acq: 22 Jun 2018 22:37

Instrument :

MSVOA_D

ClientSampleId :

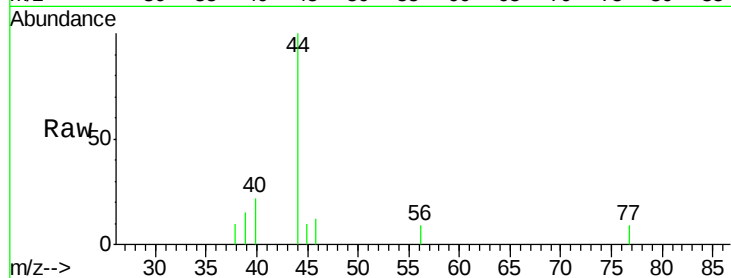
IDW-SO1-SRI3RE

Tot Ion: 56 Resp: 179

Ion Ratio Lower Upper

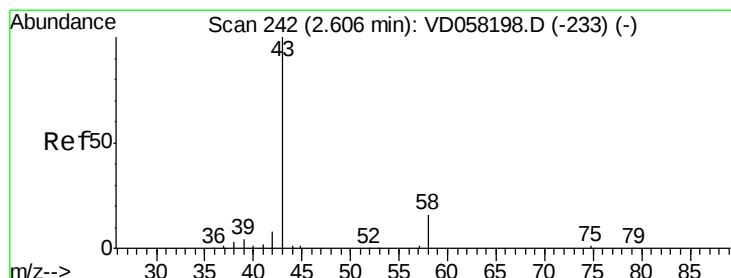
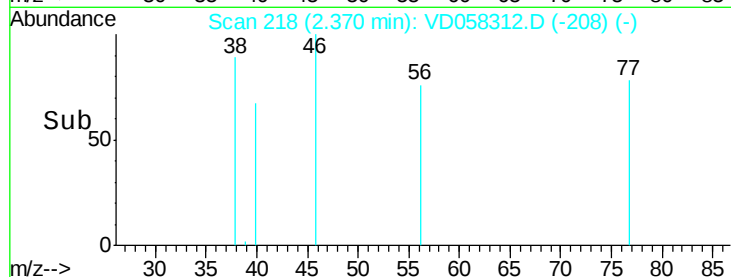
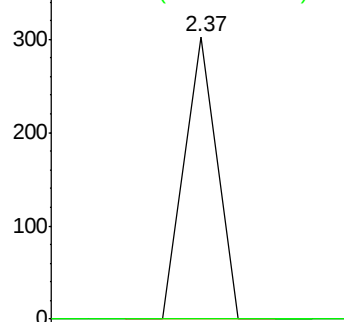
56 100

55 0.0 62.1 93.1#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 30.784 ug/l

RT: 2.61 min Scan# 242

Delta R.T. 0.00 min

Lab File: VD058312.D

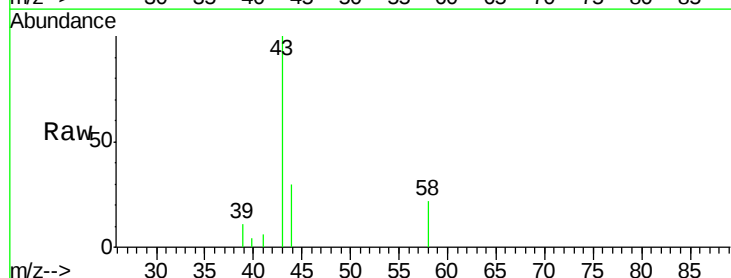
Acq: 22 Jun 2018 22:37

Tgt Ion: 43 Resp: 25945

Ion Ratio Lower Upper

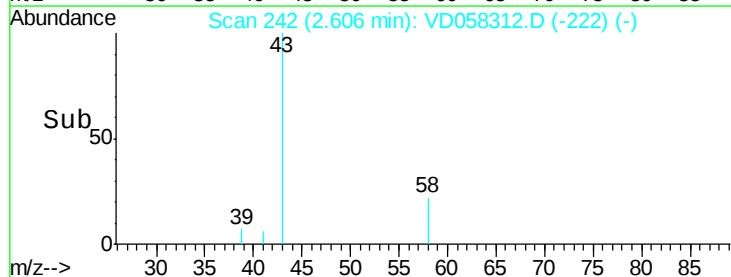
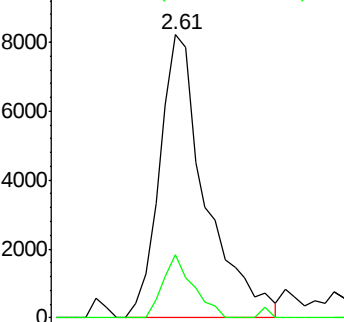
43 100

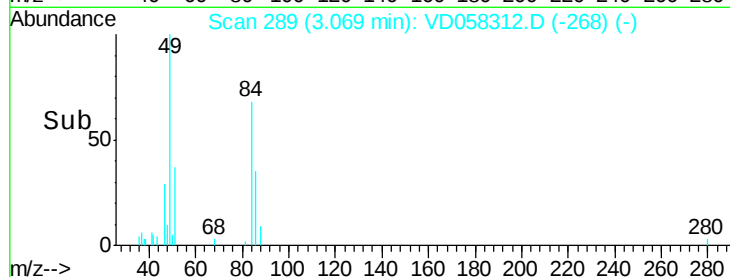
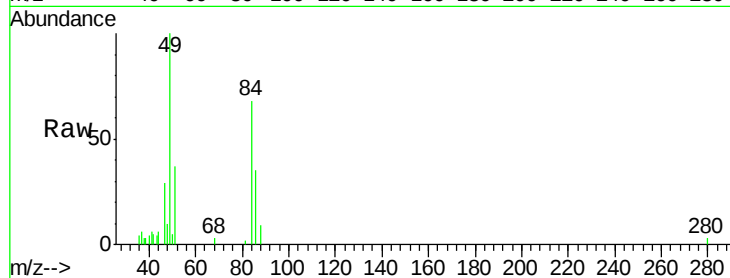
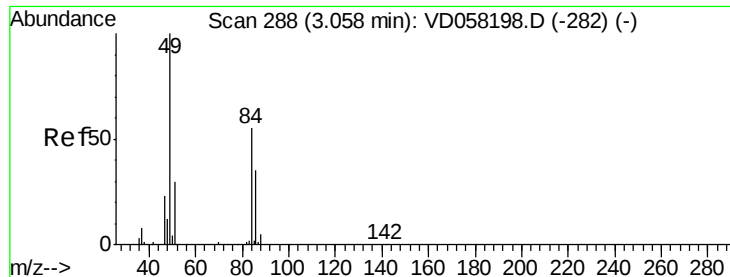
58 22.1 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

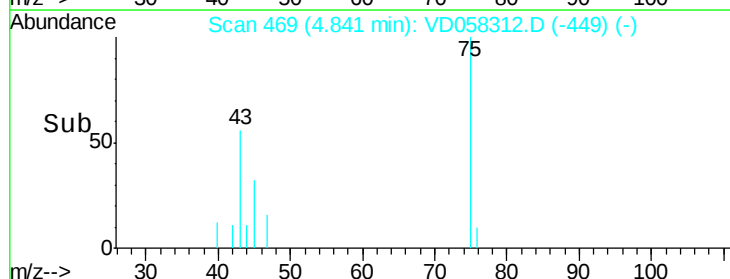
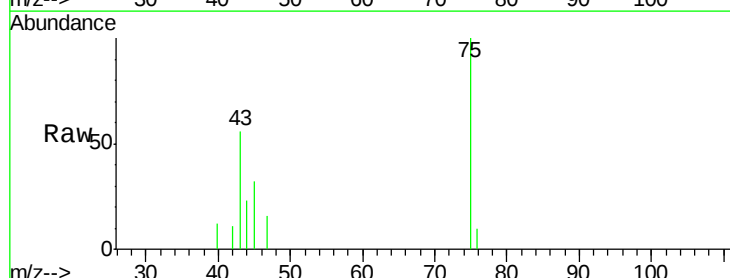
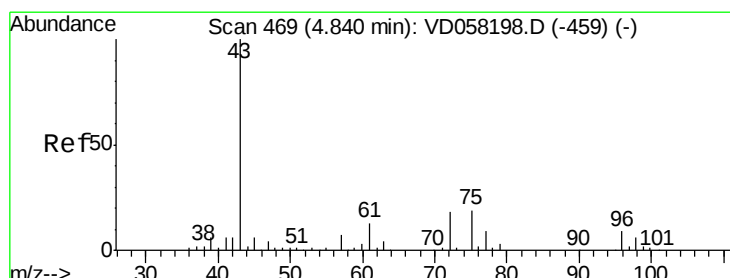
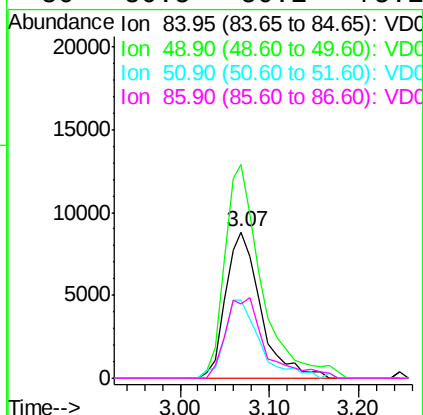




#20
Methvlene Chloride
Concen: 6.955 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.01 min
Lab File: VD058312.D
Acq: 22 Jun 2018 22:37

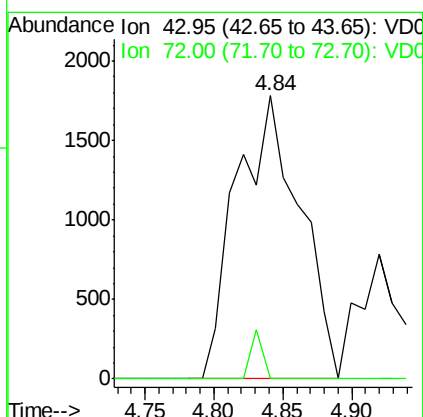
Instrument :
MSVOA_D
ClientSampleId :
IDW-SO1-SRI3RE

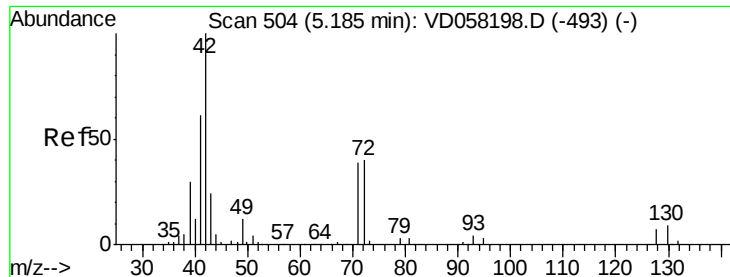
Tot Ion:	84	Resp:	24329
Ion	Ratio	Lower	Upper
84	100		
49	146.0	145.0	217.6
51	53.3	42.9	64.3
86	50.5	50.1	75.1



#25
2-Butanone
Concen: 3.112 ug/l
RT: 4.84 min Scan# 469
Delta R.T. 0.00 min
Lab File: VD058312.D
Acq: 22 Jun 2018 22:37

Tgt Ion:	43	Resp:	5716
Ion	Ratio	Lower	Upper
43	100		
72	0.0	14.1	21.1#

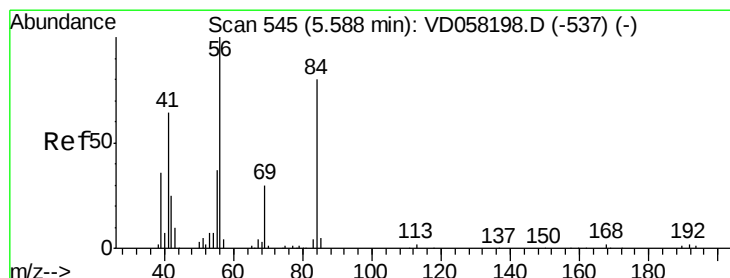
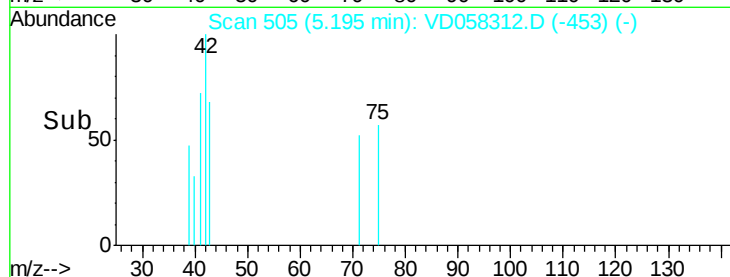
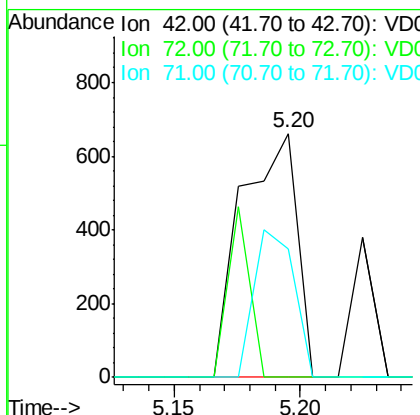
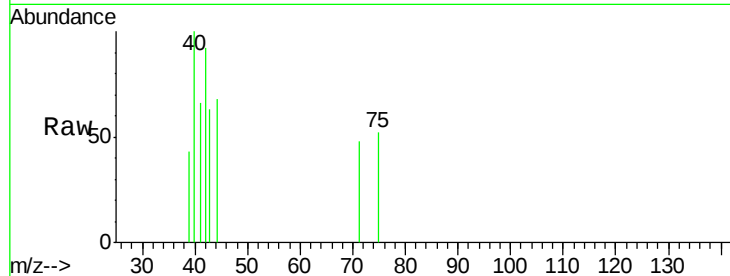




#29
Tetrahydrofuran
Concen: 1.034 ug/l
RT: 5.20 min Scan# 505
Delta R.T. 0.01 min
Lab File: VD058312.D
Acq: 22 Jun 2018 22:37

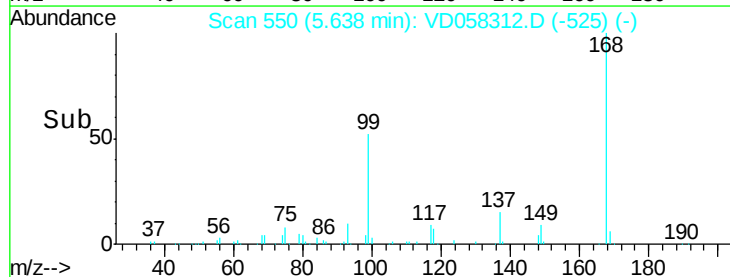
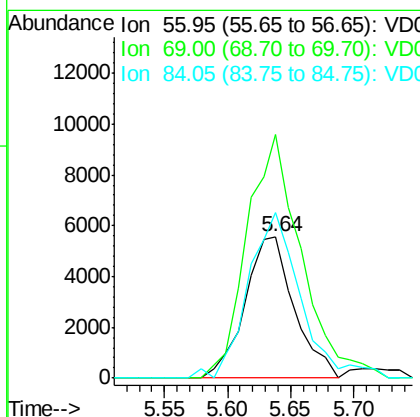
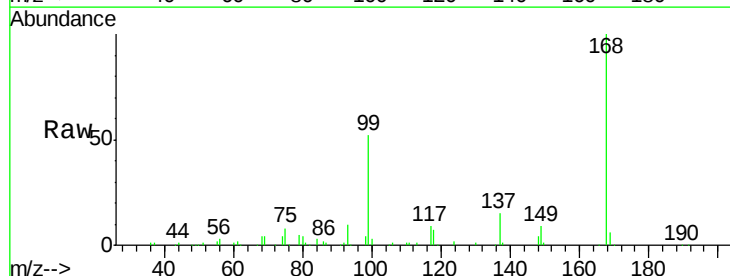
Instrument :
MSVOA_D
ClientSampleId :
IDW-SO1-SRI3RE

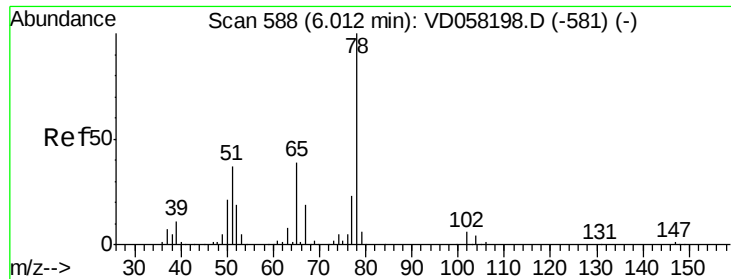
Tot Ion: 42 Resp: 1011
Ion Ratio Lower Upper
42 100
72 27.1 30.2 45.2#
71 43.7 30.1 45.1



#31
Cyclohexane
Concen: Below Cal
RT: 5.64 min Scan# 550
Delta R.T. 0.05 min
Lab File: VD058312.D
Acq: 22 Jun 2018 22:37

Tgt Ion: 56 Resp: 15120
Ion Ratio Lower Upper
56 100
69 171.8 23.6 35.4#
84 117.2 65.2 97.8#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.01 min Scan# 588

Delta R.T. 0.00 min

Lab File: VD058312.D

Acq: 22 Jun 2018 22:37

Instrument :

MSVOA_D

ClientSampleId :

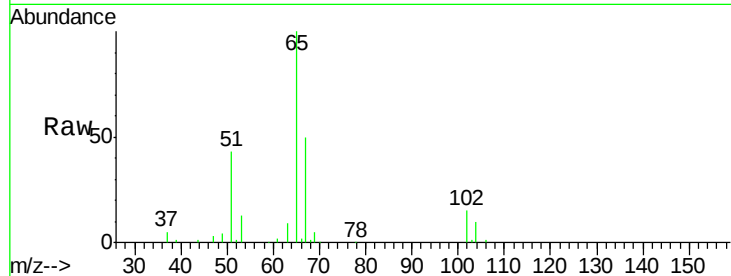
IDW-SO1-SRI3RE

Tot Ion: 65 Resp: 361825

Ion Ratio Lower Upper

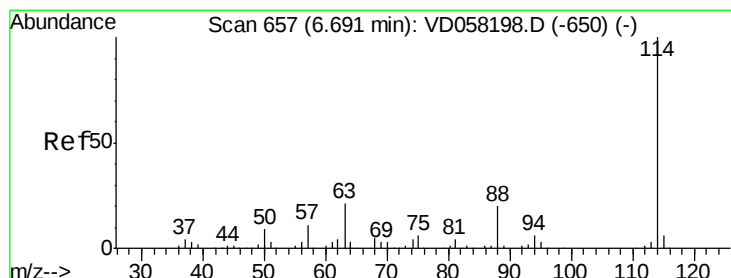
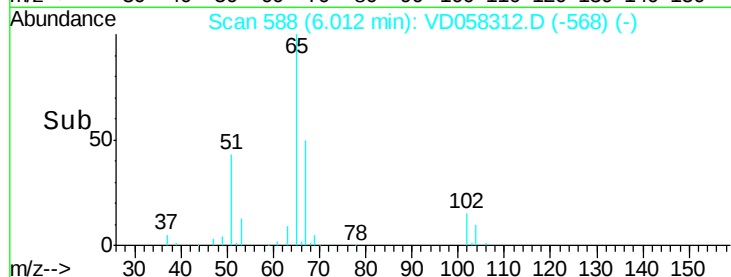
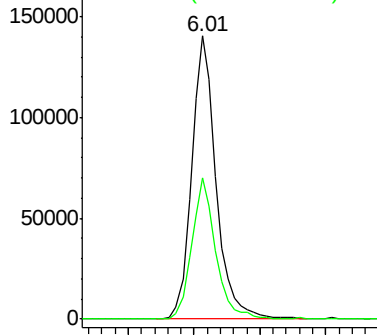
65 100

67 49.9 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: 6.69 min Scan# 657

Delta R.T. 0.00 min

Lab File: VD058312.D

Acq: 22 Jun 2018 22:37

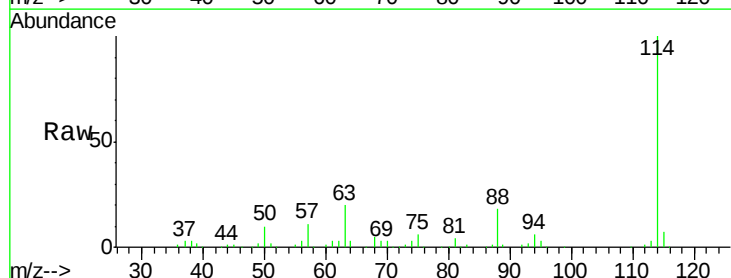
Tgt Ion: 114 Resp: 819414

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.6

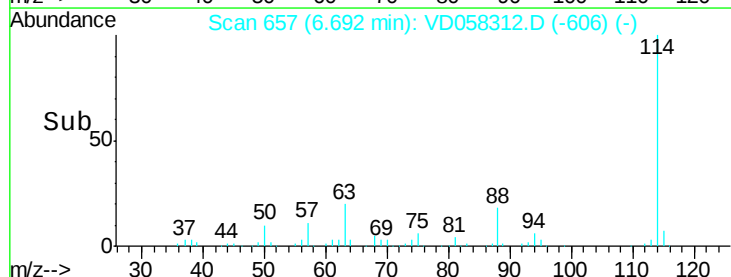
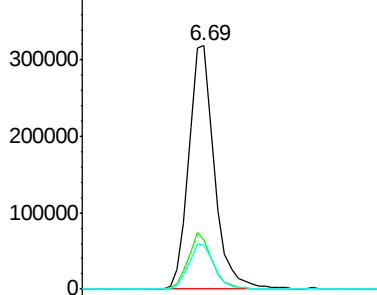
88 18.2 0.0 40.6

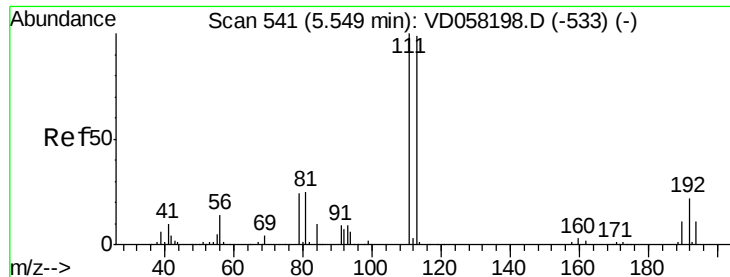


Abundance Ion 114.00 (113.70 to 114.70): V

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: 5.55 min Scan# 541

Delta R.T. 0.00 min

Lab File: VD058312.D

Acq: 22 Jun 2018 22:37

Instrument :

MSVOA_D

ClientSampleId :

IDW-SO1-SRI3RE

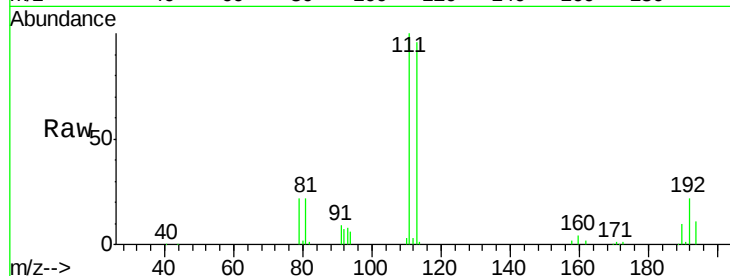
Tot Ion:113 Resp: 339547

Ion Ratio Lower Upper

113 100

111 104.3 80.6 121.0

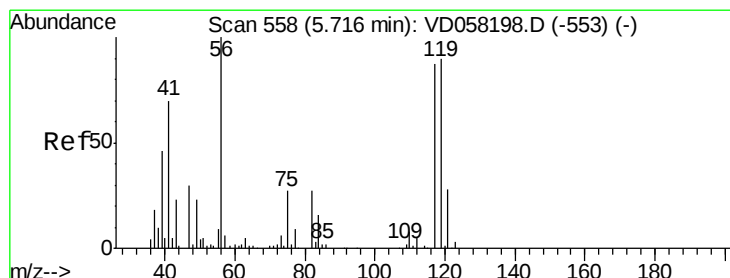
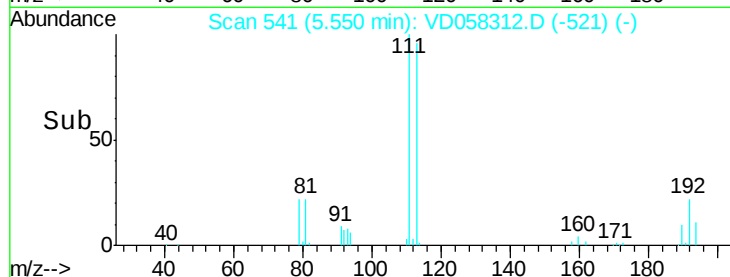
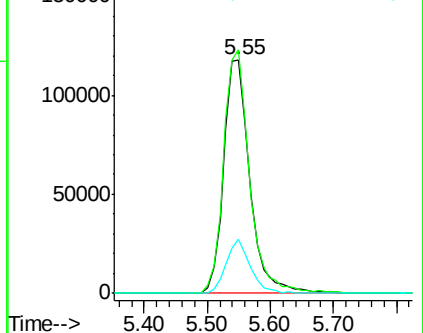
192 23.4 17.8 26.6



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



#38

Carbon Tetrachloride

Concen: 6.627 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.08 min

Lab File: VD058312.D

Acq: 22 Jun 2018 22:37

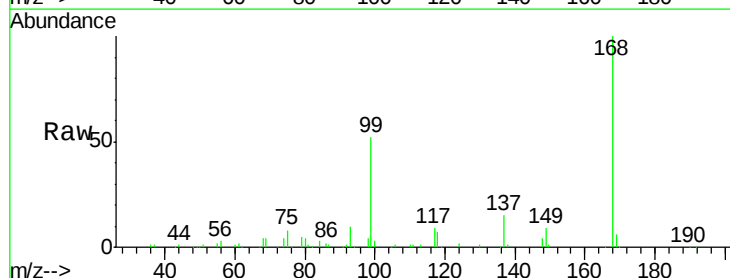
Tgt Ion:117 Resp: 53379

Ion Ratio Lower Upper

117 100

119 2.6 78.8 118.2#

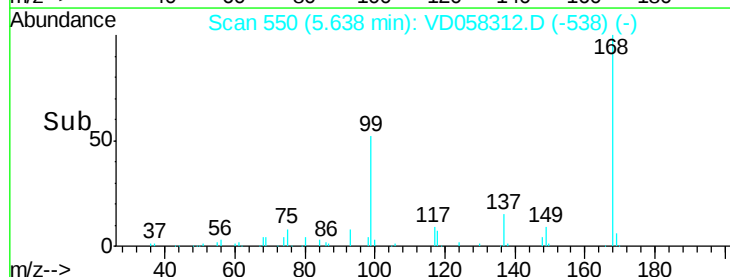
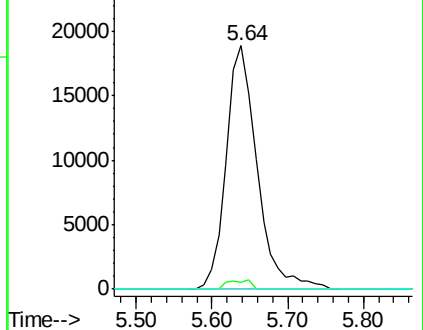
121 0.0 25.0 37.6#

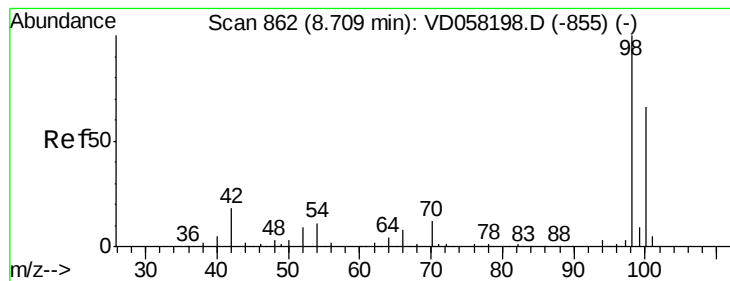


Abundance Ion 116.85 (116.55 to 117.55): V

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: 8.70 min Scan# 861

Delta R.T. -0.01 min

Lab File: VD058312.D

Acq: 22 Jun 2018 22:37

Instrument :

MSVOA_D

ClientSampleId :

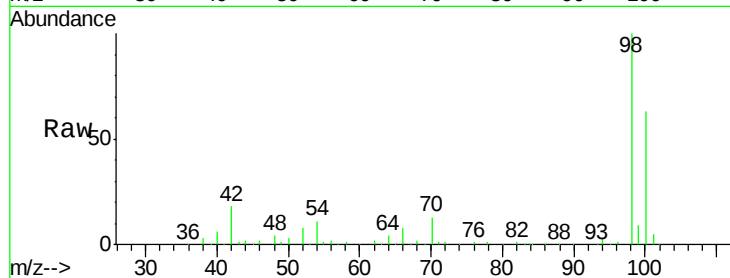
IDW-SO1-SRI3RE

Tot Ion: 98 Resp: 818527

Ion Ratio Lower Upper

98 100

100 62.6 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) (-)

8.70

400000

300000

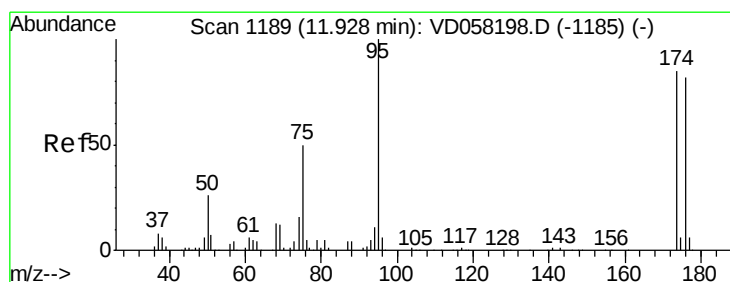
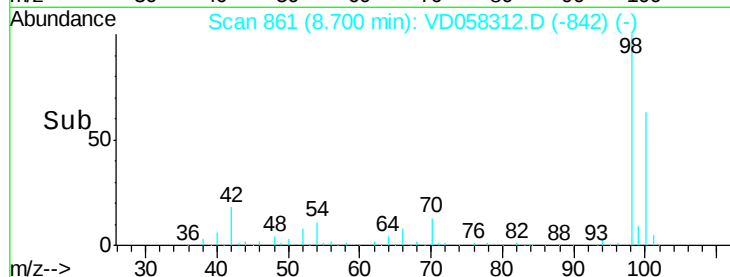
200000

100000

0

8.60 8.70 8.80 8.90

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD058312.D

Acq: 22 Jun 2018 22:37

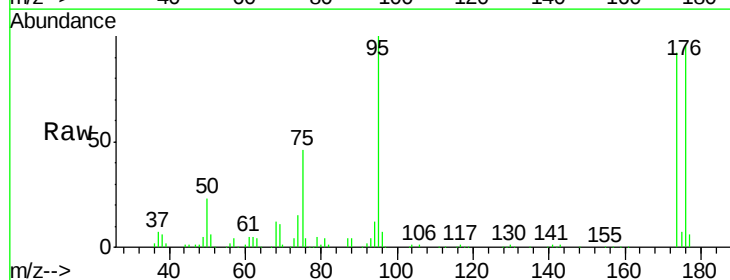
Tgt Ion: 95 Resp: 353703

Ion Ratio Lower Upper

95 100

174 91.7 0.0 170.2

176 95.9 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

300000

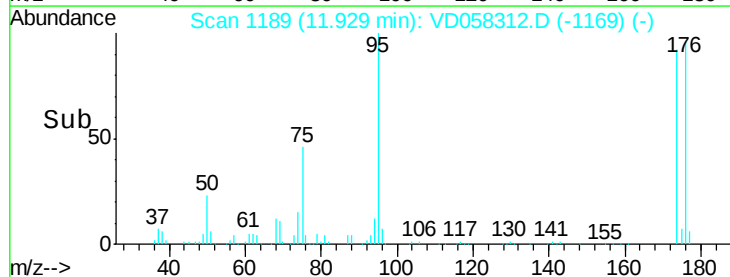
200000

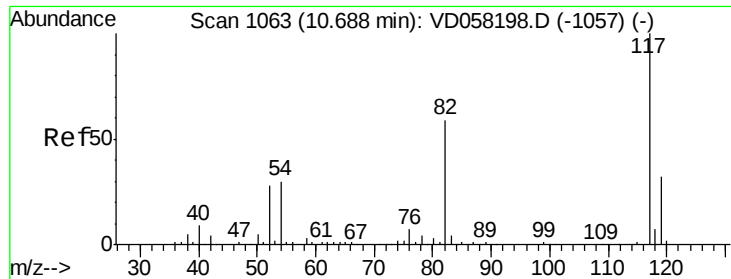
100000

0

11.90 12.00

Time-->

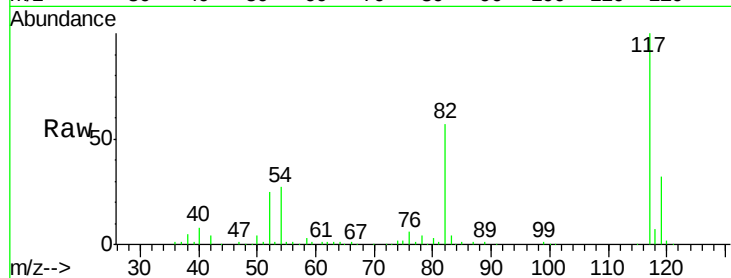




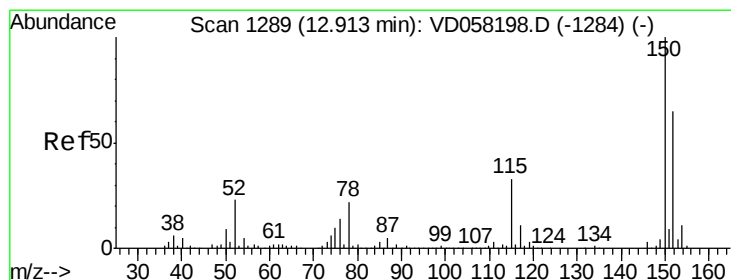
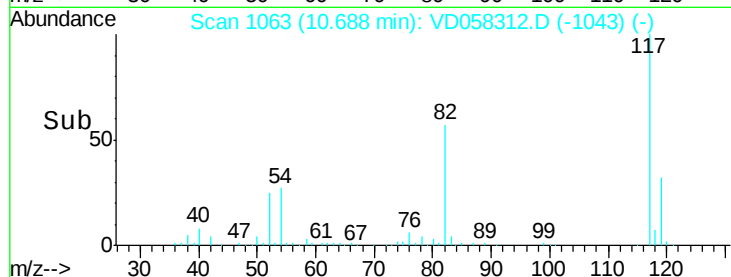
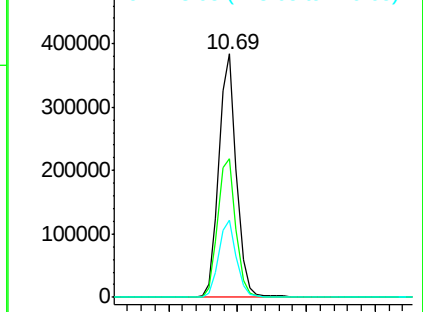
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD058312.D
Acq: 22 Jun 2018 22:37

Instrument :
MSVOA_D
ClientSampleId :
IDW-SO1-SRI3RE

Tot Ion:117 Resp: 678870
Ion Ratio Lower Upper
117 100
82 57.1 47.0 70.6
119 31.9 25.3 37.9

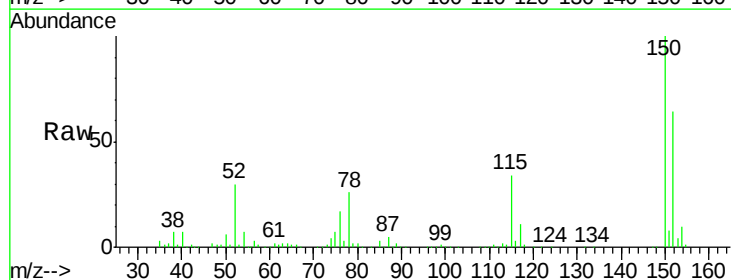


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

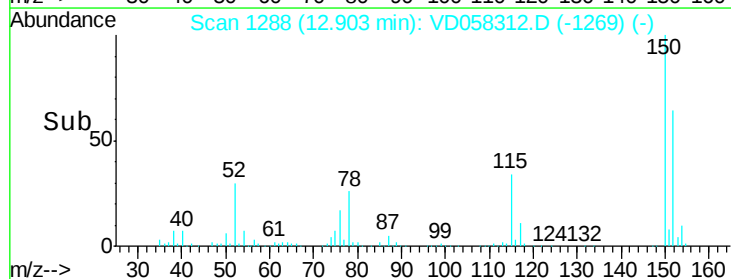
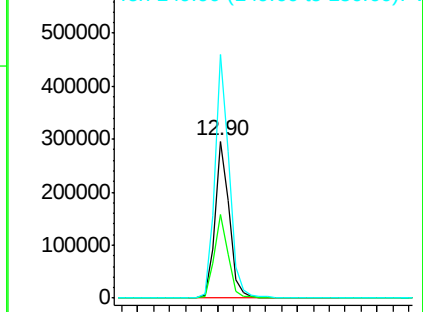


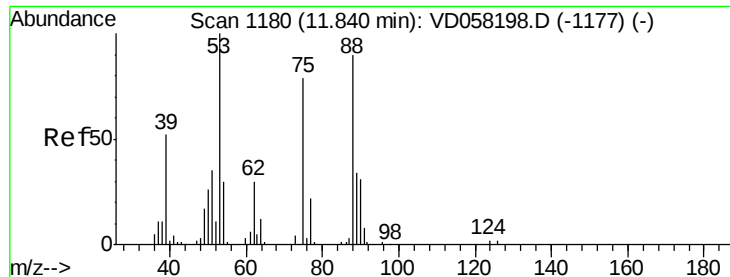
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD058312.D
Acq: 22 Jun 2018 22:37

Tgt Ion:152 Resp: 373222
Ion Ratio Lower Upper
152 100
115 53.1 25.1 75.3
150 155.2 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





#81

trans-1,4-Dichloro-2-butene

Concen: 128.047 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058312.D

Acq: 22 Jun 2018 22:37

Instrument :

MSVOA_D

ClientSampleId :

IDW-SO1-SRI3RE

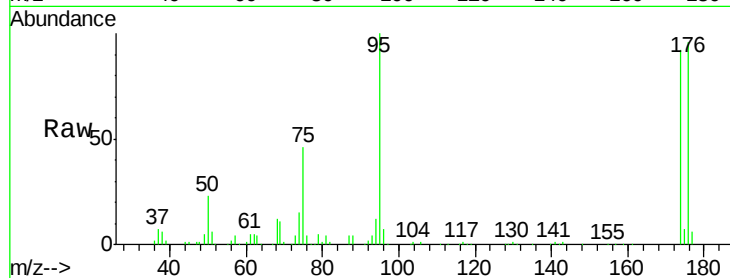
Tot Ion: 75 Resp: 170175

Ion Ratio Lower Upper

75 100

53 0.0 100.8 151.2#

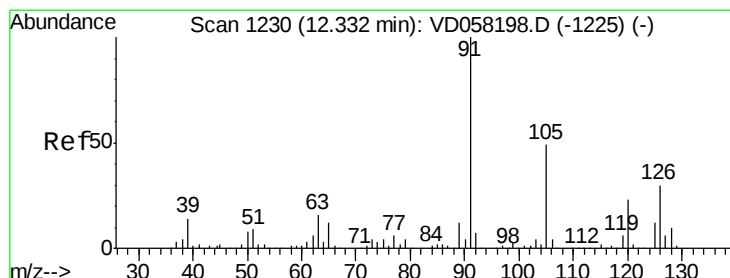
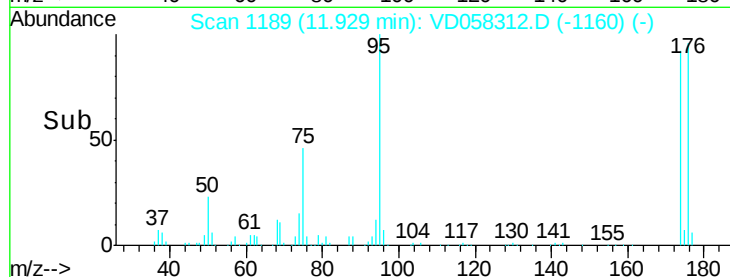
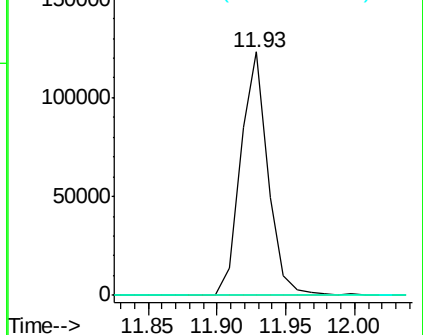
89 0.0 34.6 52.0#



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: 12.32 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VD058312.D

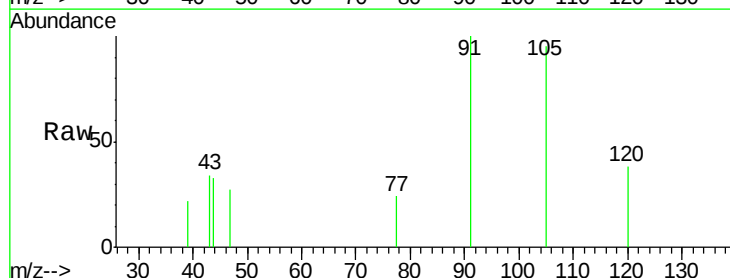
Acq: 22 Jun 2018 22:37

Tgt Ion: 91 Resp: 1928

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

