

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062118\
 Data File : VD058260.D
 Acq On : 21 Jun 2018 18:53
 Operator : VA/AP
 Sample : J3617-02
 Misc : 6.89g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 IDW-SO1-SRI3

Quant Time: Jun 22 06:16:55 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	542233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	713711	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	561838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.92	152	316755	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	287186	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	
35) Dibromofluoromethane	5.55	113	280986	48.37	ug/l	0.00
Spiked Amount			Recovery	=	96.74%	
50) Toluene-d8	8.71	98	674404	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	
62) 4-Bromofluorobenzene	11.93	95	281532	49.04	ug/l	0.00
Spiked Amount			Recovery	=	98.08%	

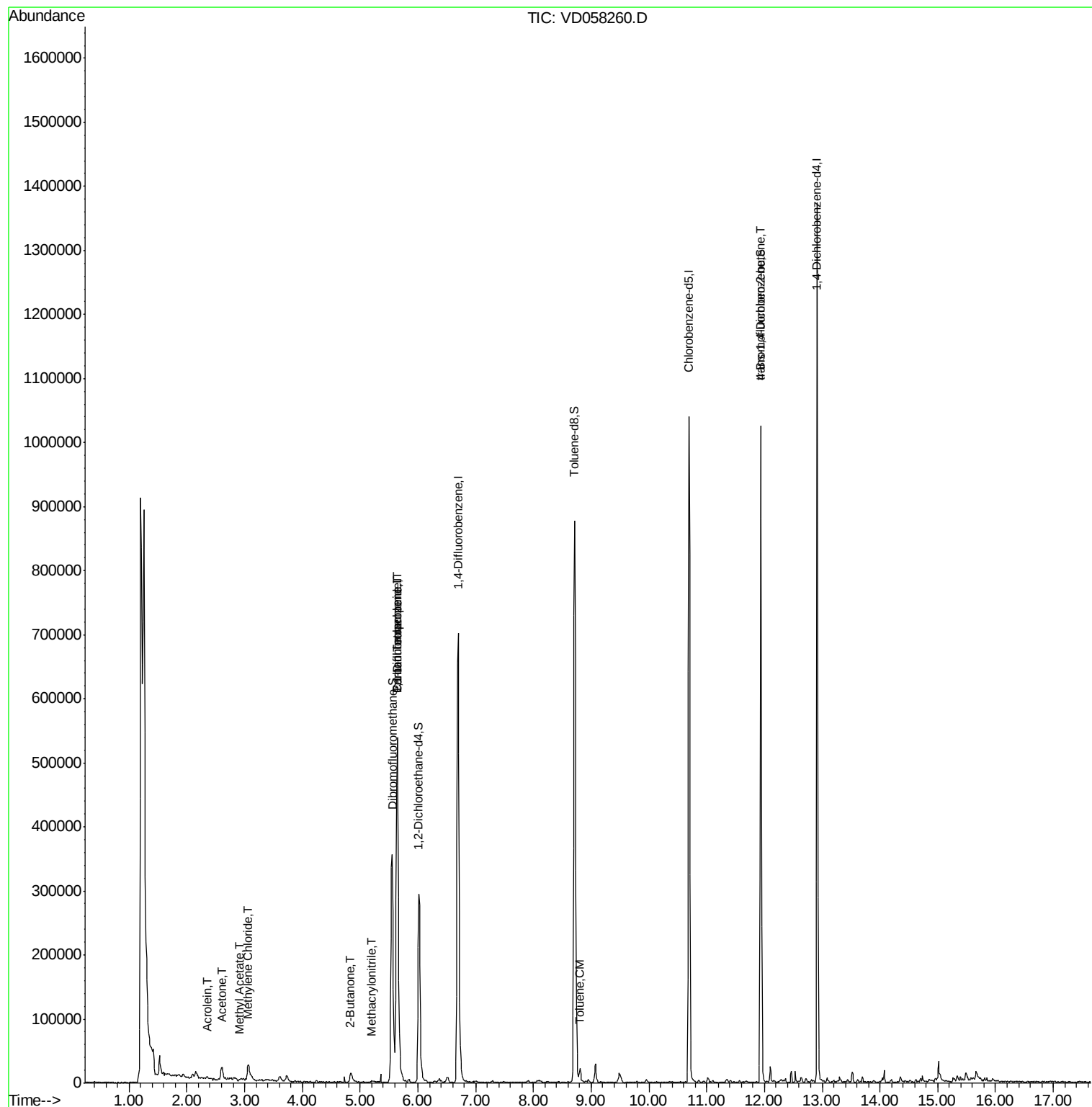
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.33	85	282	Below Cal	#	43
3) Chloromethane	1.47	50	713	Below Cal	#	43
5) Bromomethane	1.79	94	290	Below Cal	#	3
13) Acrolein	2.35	56	221	2.143	ug/l #	9
16) Acetone	2.61	43	43837	58.526	ug/l #	85
18) Methyl Acetate	2.92	43	2513	1.573	ug/l #	65
20) Methylene Chloride	3.06	84	13667	2.458	ug/l	92
25) 2-Butanone	4.84	43	11517	7.055	ug/l #	82
31) Cyclohexane	5.63	56	15076	Below Cal	#	1
36) 1,1-Dichloropropene	5.64	75	43935	6.223	ug/l #	53
38) Carbon Tetrachloride	5.64	117	43714	6.231	ug/l #	11
41) Methacrylonitrile	5.21	41	2236	1.151	ug/l #	30
52) Toluene	8.80	92	9997	1.044	ug/l	79
81) trans-1,4-Dichloro-2-buten	11.93	75	132097	117.114	ug/l #	1
82) 4-Chlorotoluene	12.33	91	705	Below Cal	#	45

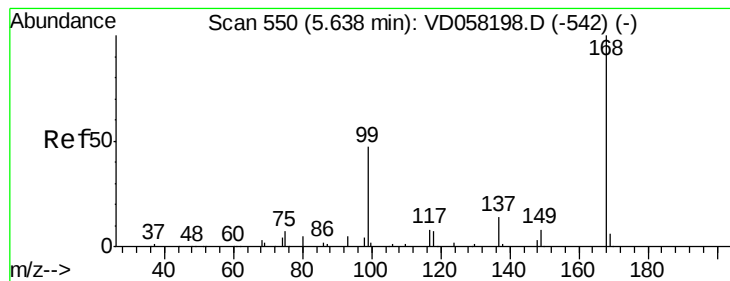
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062118\
Data File : VD058260.D
Acq On : 21 Jun 2018 18:53
Operator : VA/AP
Sample : J3617-02
Misc : 6.89g/5ml/MSVOA D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
IDW-SO1-SRI3

Quant Time: Jun 22 06:16:55 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
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. 0.01 min

Lab File: VD058260.D

Acq: 21 Jun 2018 18:53

Instrument :

MSVOA_D

ClientSampleId :

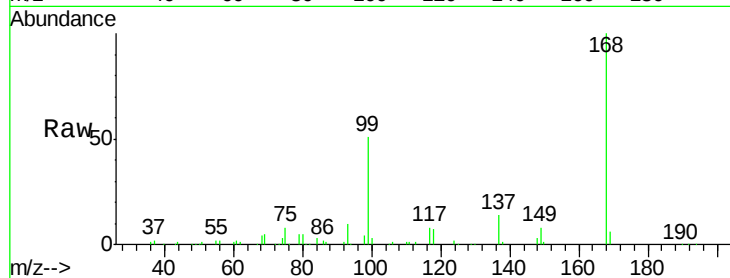
IDW-SO1-SRI3

Tot Ion:168 Resp: 542233

Ion Ratio Lower Upper

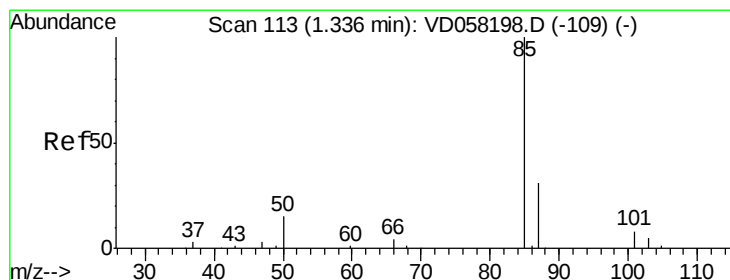
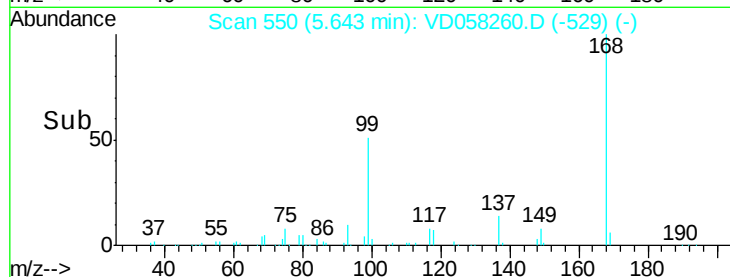
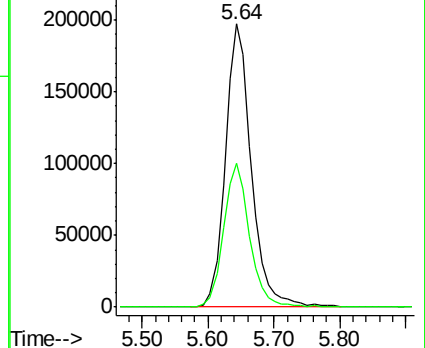
168 100

99 50.8 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.33 min Scan# 112

Delta R.T. -0.00 min

Lab File: VD058260.D

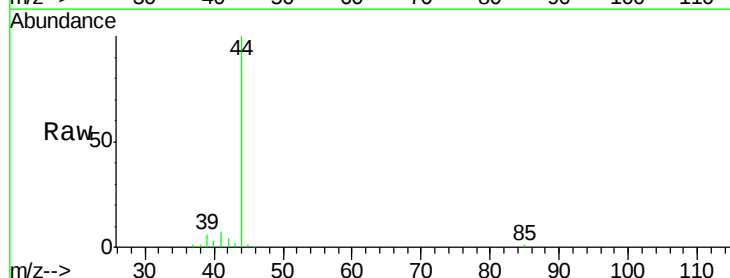
Acq: 21 Jun 2018 18:53

Tgt Ion: 85 Resp: 282

Ion Ratio Lower Upper

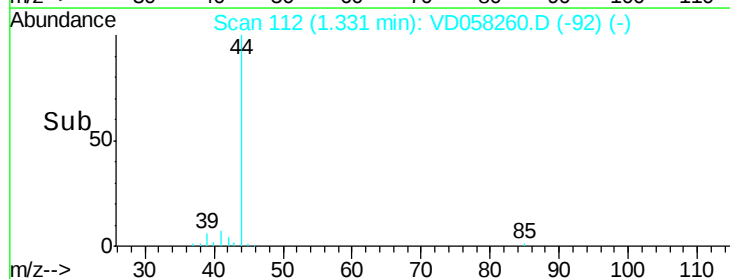
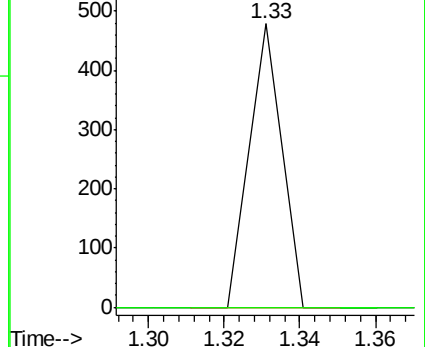
85 100

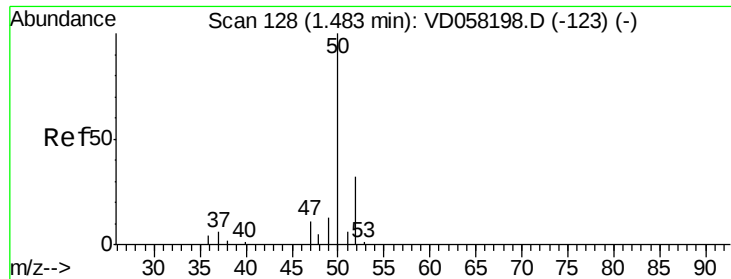
87 0.0 15.7 47.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: Below Cal

RT: 1.47 min Scan# 126

Delta R.T. -0.01 min

Lab File: VD058260.D

Acq: 21 Jun 2018 18:53

Instrument :

MSVOA_D

ClientSampleId :

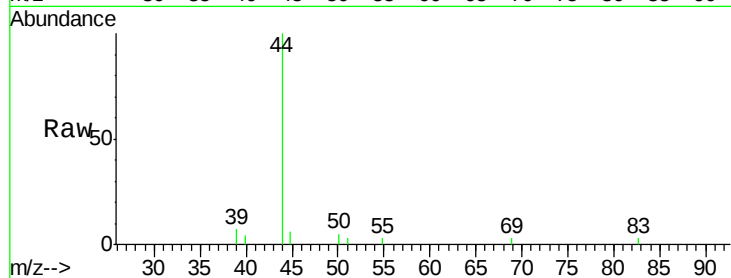
IDW-SO1-SRI3

Tot Ion: 50 Resp: 713

Ion Ratio Lower Upper

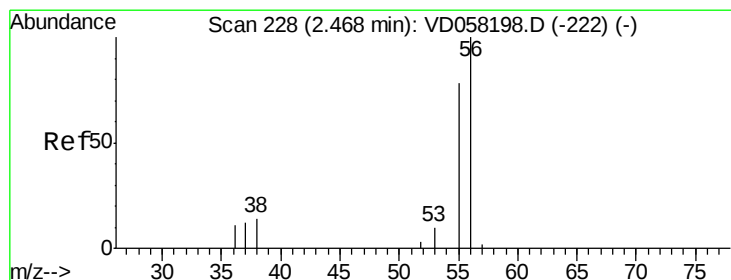
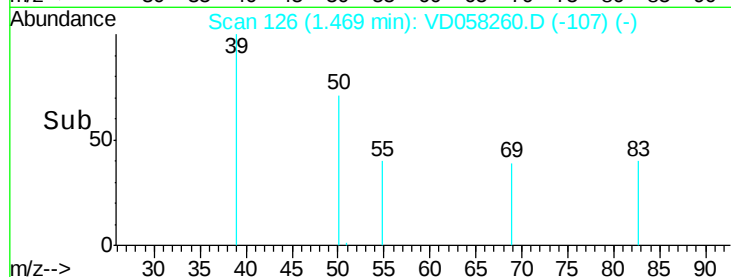
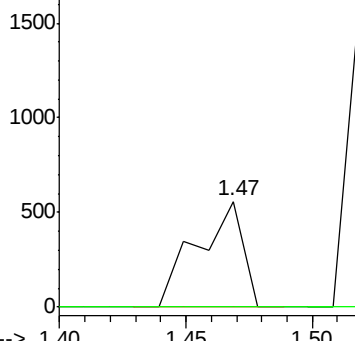
50 100

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



#13

Acrolein

Concen: 2.143 ug/l

RT: 2.35 min Scan# 216

Delta R.T. -0.11 min

Lab File: VD058260.D

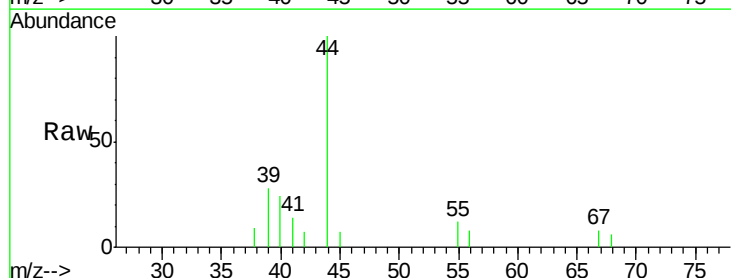
Acq: 21 Jun 2018 18:53

Tgt Ion: 56 Resp: 221

Ion Ratio Lower Upper

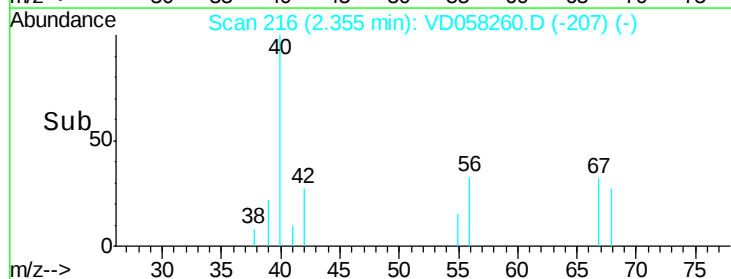
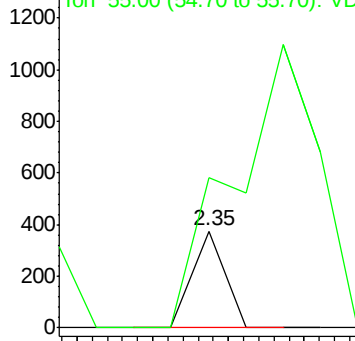
56 100

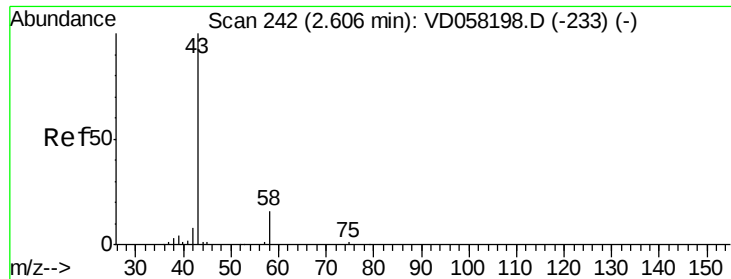
55 156.1 62.1 93.1#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 58.526 ug/l

RT: 2.61 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD058260.D

Acq: 21 Jun 2018 18:53

Instrument :

MSVOA_D

ClientSampleId :

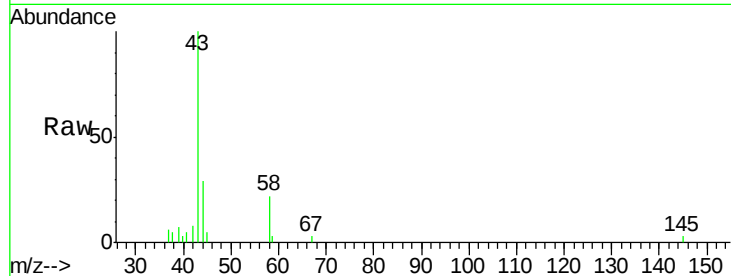
IDW-SO1-SRI3

Tot Ion: 43 Resp: 43837

Ion Ratio Lower Upper

43 100

58 22.3 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

15000

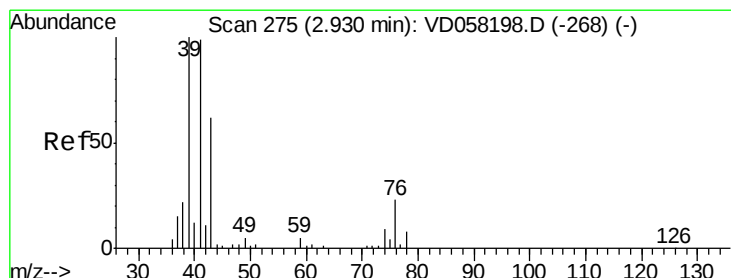
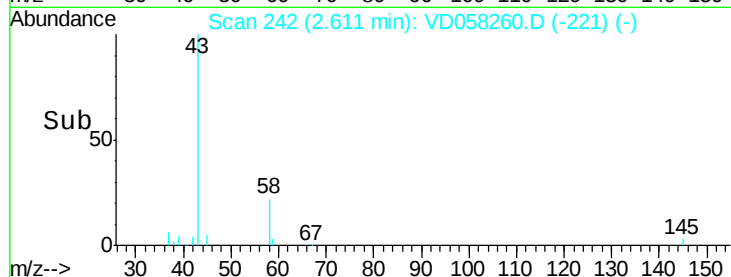
10000

5000

0

2.40 2.50 2.60 2.70 2.80

Time-->



#18

Methyl Acetate

Concen: 1.573 ug/l

RT: 2.92 min Scan# 273

Delta R.T. -0.01 min

Lab File: VD058260.D

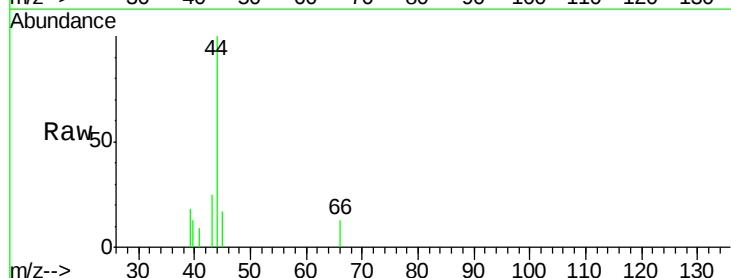
Acq: 21 Jun 2018 18:53

Tgt Ion: 43 Resp: 2513

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

1000

800

600

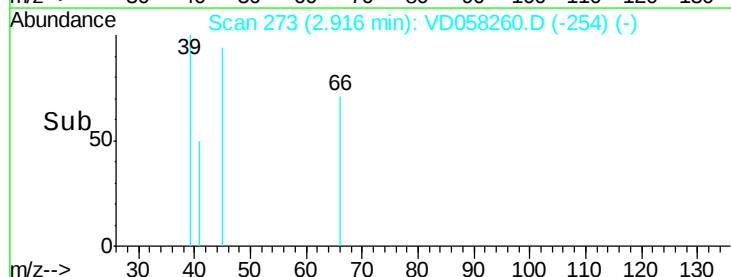
400

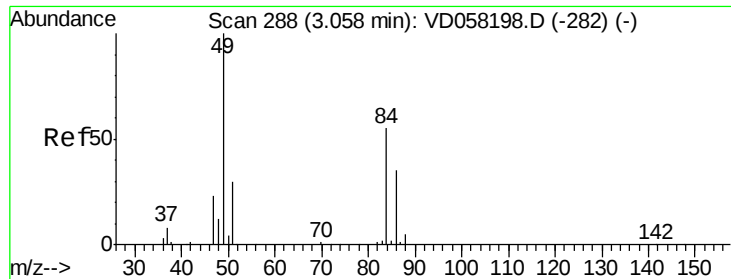
200

0

2.85 2.90 2.95

Time-->





#20

Methvlene Chloride

Concen: 2.458 ug/l

RT: 3.06 min Scan# 288

Delta R.T. 0.01 min

Lab File: VD058260.D

Acq: 21 Jun 2018 18:53

Instrument :

MSVOA_D

ClientSampleId :

IDW-SO1-SRI3

Tot Ion: 84 Resp: 13667

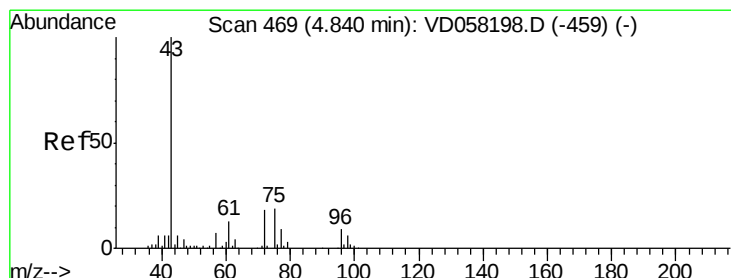
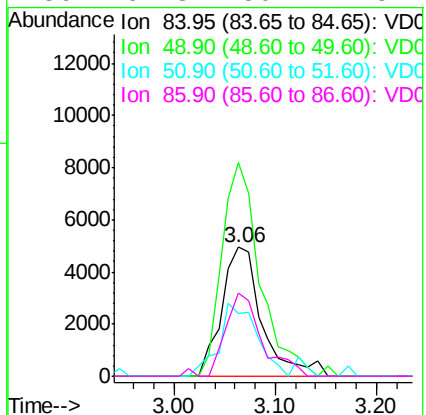
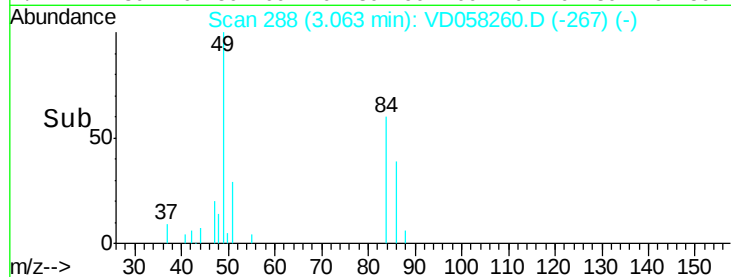
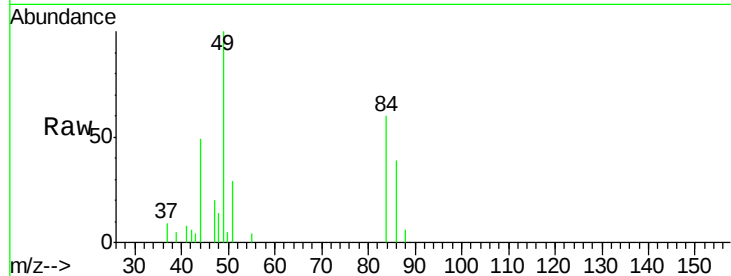
Ion Ratio Lower Upper

84 100

49 165.7 145.0 217.6

51 48.5 42.9 64.3

86 64.3 50.1 75.1



#25

2-Butanone

Concen: 7.055 ug/l

RT: 4.84 min Scan# 468

Delta R.T. -0.00 min

Lab File: VD058260.D

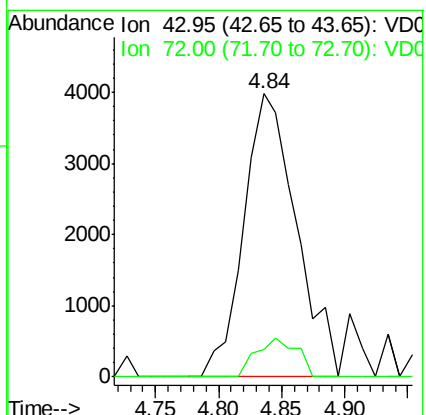
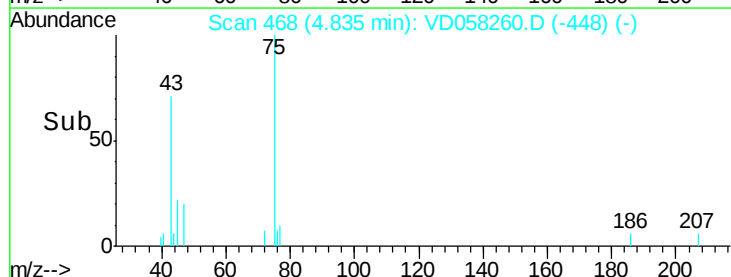
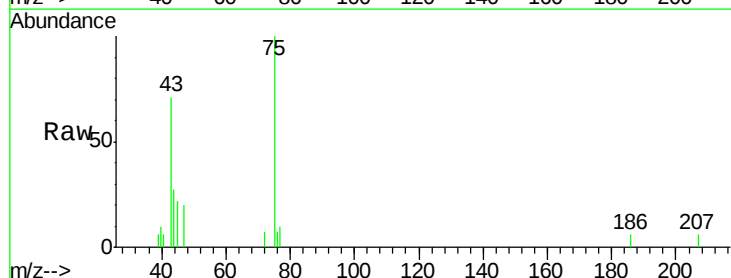
Acq: 21 Jun 2018 18:53

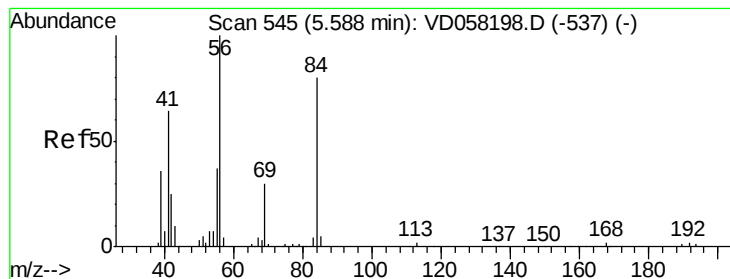
Tgt Ion: 43 Resp: 11517

Ion Ratio Lower Upper

43 100

72 9.6 14.1 21.1#





#31

Cyclohexane

Concen: Below Cal

RT: 5.63 min Scan# 549

Delta R.T. 0.04 min

Lab File: VD058260.D

Acq: 21 Jun 2018 18:53

Instrument :

MSVOA_D

ClientSampleId :

IDW-SO1-SRI3

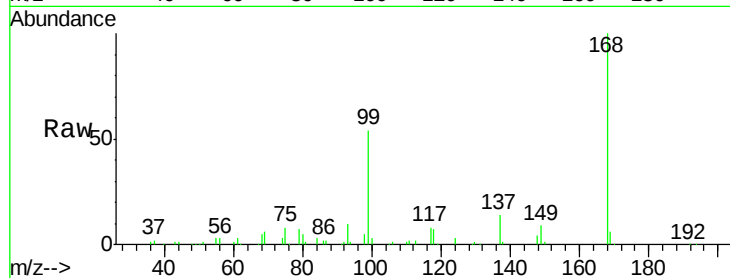
Tot Ion: 56 Resp: 15076

Ion Ratio Lower Upper

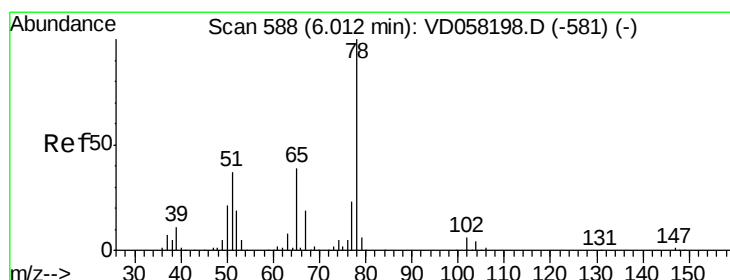
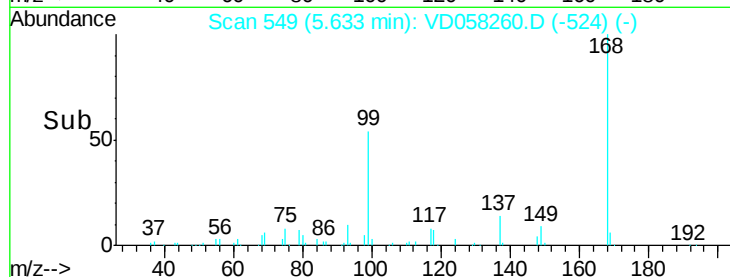
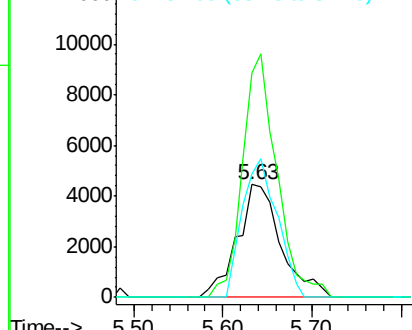
56 100

69 198.8 23.6 35.4#

84 109.1 65.2 97.8#



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.02 min Scan# 588

Delta R.T. 0.01 min

Lab File: VD058260.D

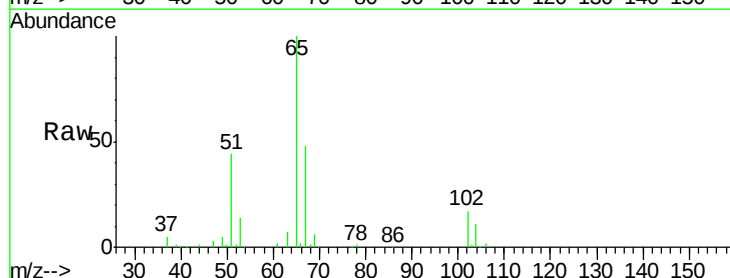
Acq: 21 Jun 2018 18:53

Tgt Ion: 65 Resp: 287186

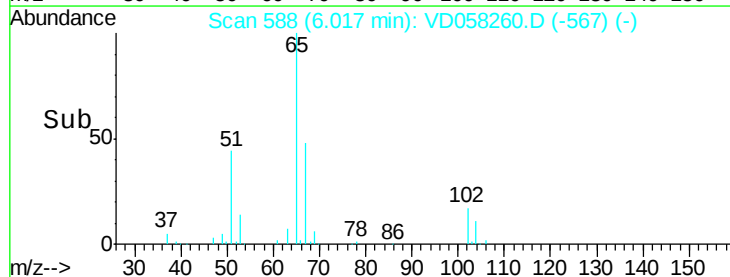
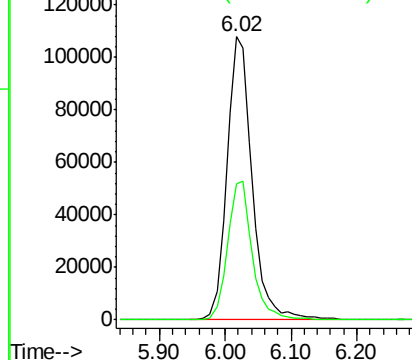
Ion Ratio Lower Upper

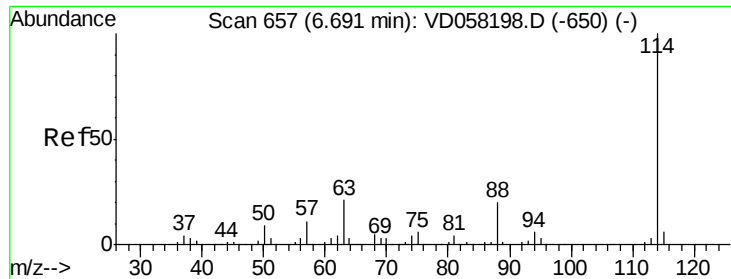
65 100

67 48.1 0.0 97.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

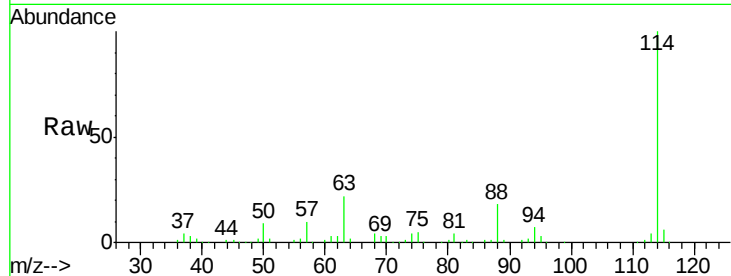




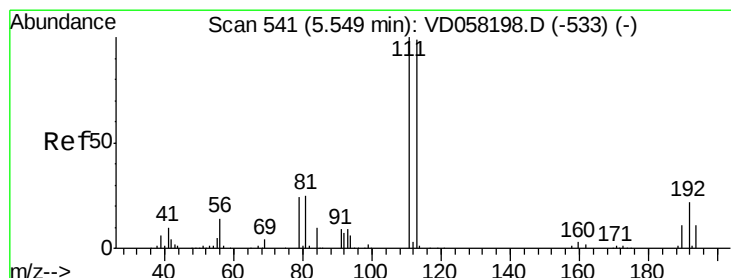
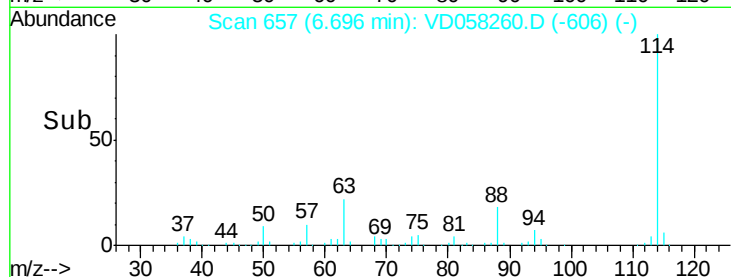
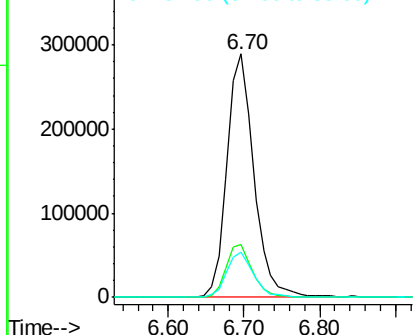
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.70 min Scan# 657
 Delta R.T. 0.01 min
 Lab File: VD058260.D
 Acq: 21 Jun 2018 18:53

Instrument :
 MSVOA_D
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 IDW-SO1-SRI3

Tot Ion:114 Resp: 713711
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 42.6
 88 18.4 0.0 40.6

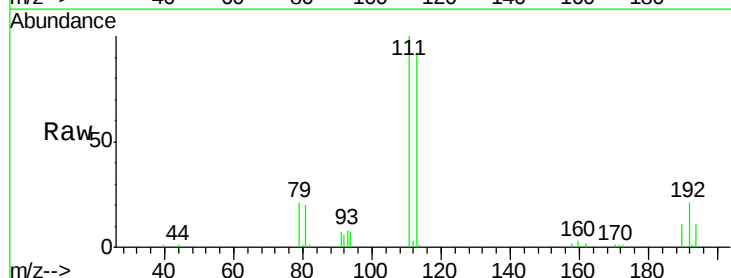


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

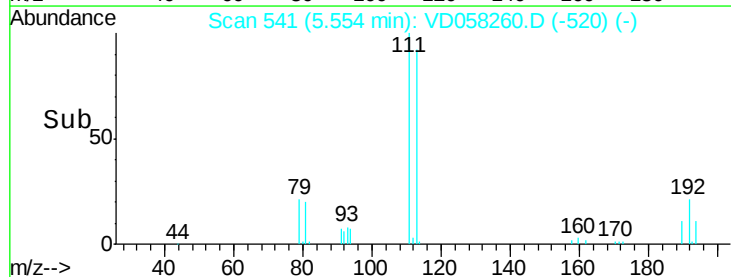
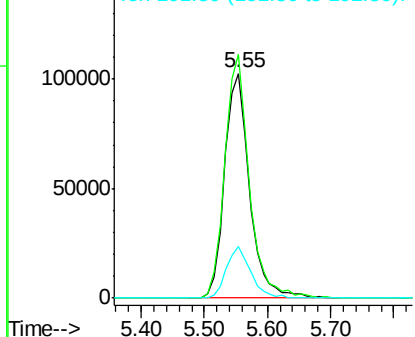


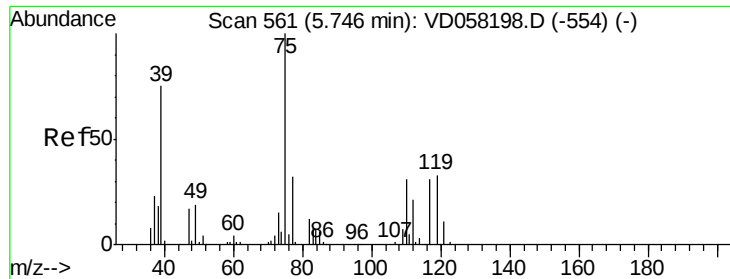
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.55 min Scan# 541
 Delta R.T. 0.01 min
 Lab File: VD058260.D
 Acq: 21 Jun 2018 18:53

Tgt Ion:113 Resp: 280986
 Ion Ratio Lower Upper
 113 100
 111 108.5 80.6 121.0
 192 22.9 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

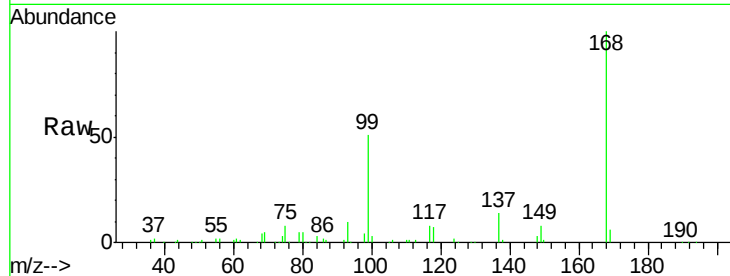




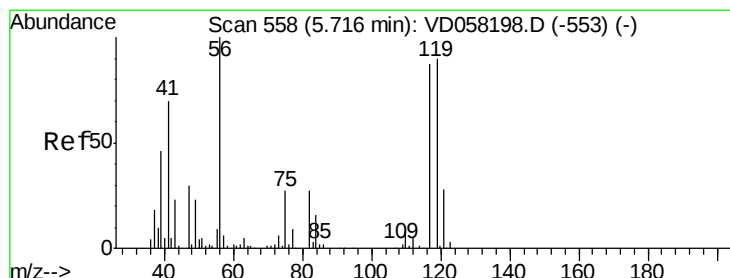
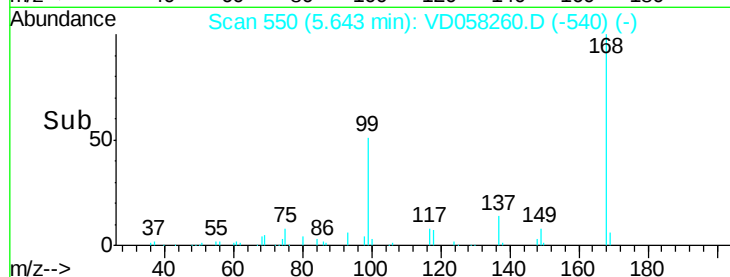
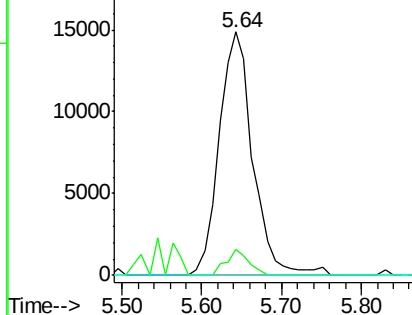
#36
 1,1-Dichloropropene
 Concen: 6.223 ug/l
 RT: 5.64 min Scan# 550
 Delta R.T. -0.10 min
 Lab File: VD058260.D
 Acq: 21 Jun 2018 18:53

Instrument :
 MSVOA_D
 ClientSampleId :
 IDW-SO1-SRI3

Tot Ion	75	Resp	43935
Ion Ratio	Lower	Upper	
75	100		
110	10.9	15.4	46.4#
77	0.0	25.4	38.2#

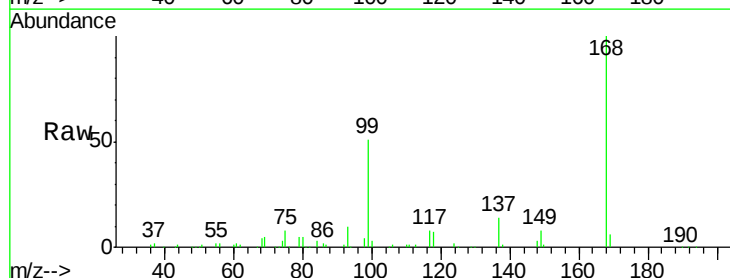


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.95 (76.65 to 77.65): VDC

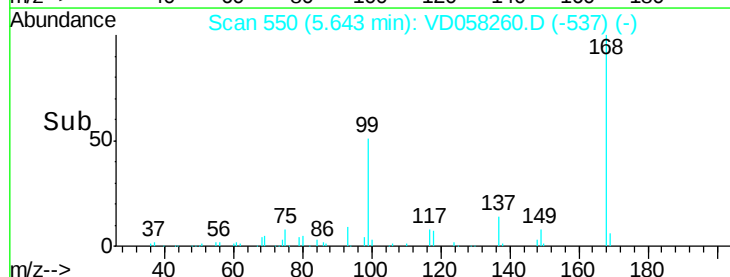
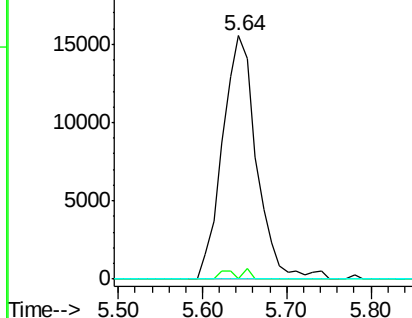


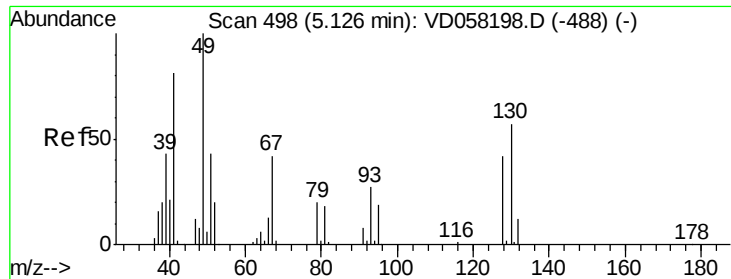
#38
 Carbon Tetrachloride
 Concen: 6.231 ug/l
 RT: 5.64 min Scan# 550
 Delta R.T. -0.07 min
 Lab File: VD058260.D
 Acq: 21 Jun 2018 18:53

Tgt Ion	117	Resp	43714
Ion Ratio	Lower	Upper	
117	100		
119	0.0	78.8	118.2#
121	0.0	25.0	37.6#



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





#41

Methacrylonitrile

Concen: 1.151 ug/l

RT: 5.21 min Scan# 506

Delta R.T. 0.08 min

Lab File: VD058260.D

Acq: 21 Jun 2018 18:53

Instrument :

MSVOA_D

ClientSampleId :

IDW-SO1-SRI3

Tot Ion: 41 Resp: 2236

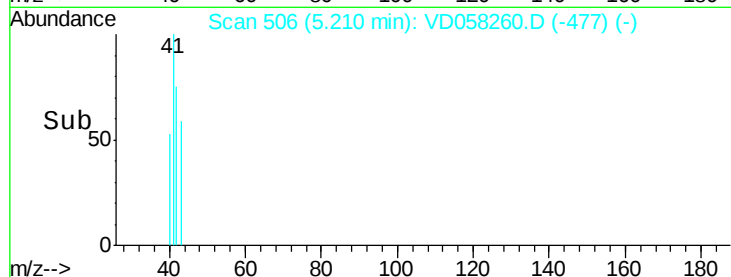
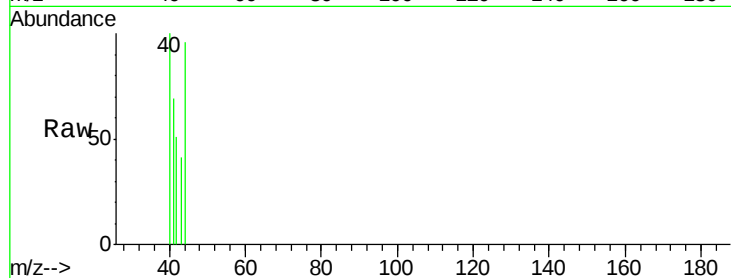
Ion Ratio Lower Upper

41 100

39 0.0 43.4 65.2#

67 0.0 41.7 62.5#

52 0.0 20.6 30.8#

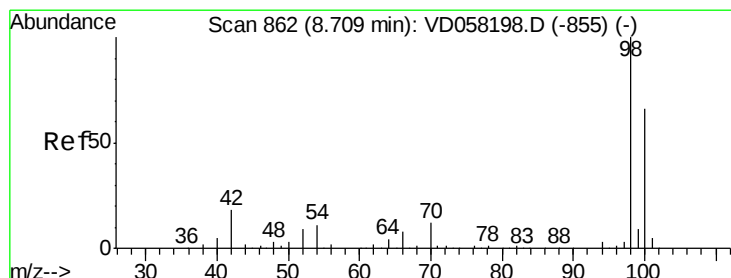
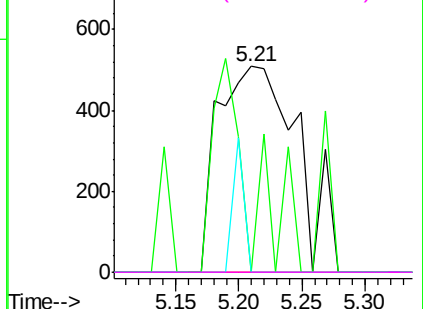


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.71 min Scan# 862

Delta R.T. 0.01 min

Lab File: VD058260.D

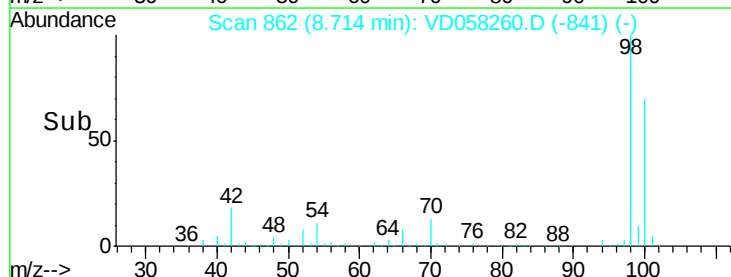
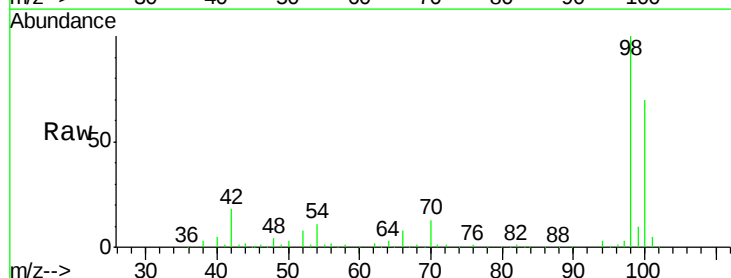
Acq: 21 Jun 2018 18:53

Tgt Ion: 98 Resp: 674404

Ion Ratio Lower Upper

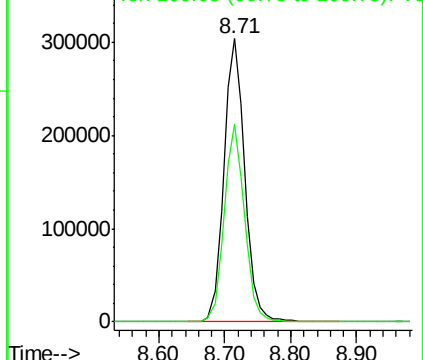
98 100

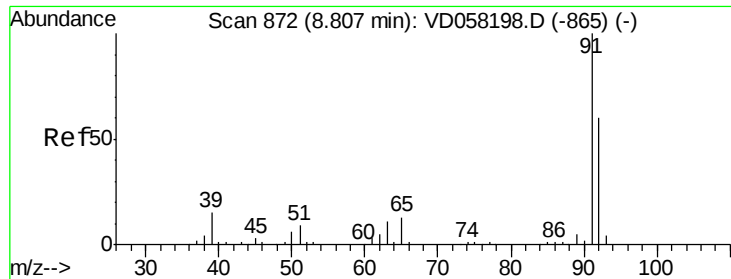
100 69.8 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#52

Toluene

Concen: 1.044 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.00 min

Lab File: VD058260.D

Acq: 21 Jun 2018 18:53

Instrument :

MSVOA_D

ClientSampleId :

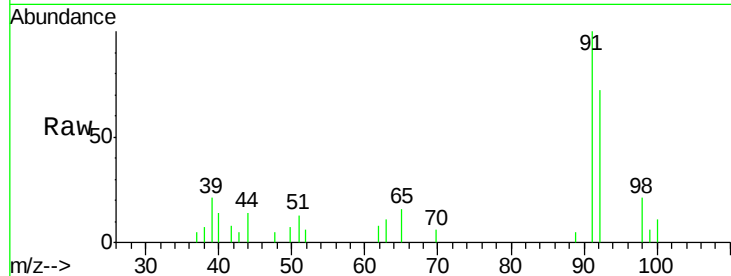
IDW-SO1-SRI3

Tot Ion: 92 Resp: 9997

Ion Ratio Lower Upper

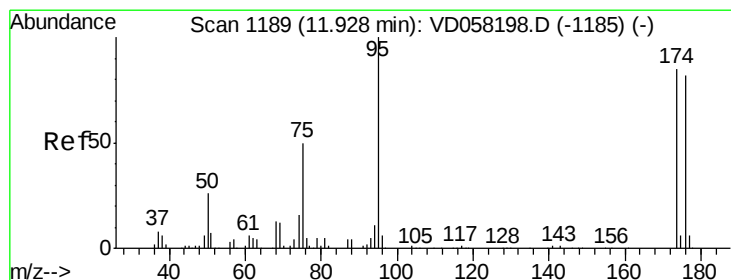
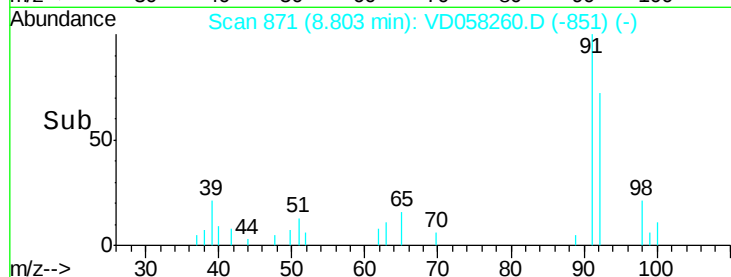
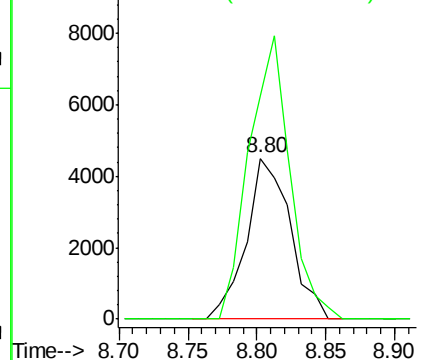
92 100

91 138.3 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD058260.D

Acq: 21 Jun 2018 18:53

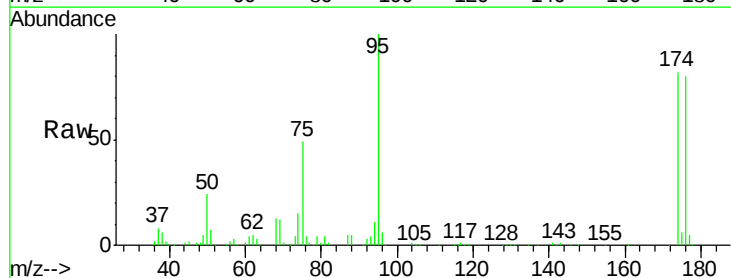
Tgt Ion: 95 Resp: 281532

Ion Ratio Lower Upper

95 100

174 82.3 0.0 170.2

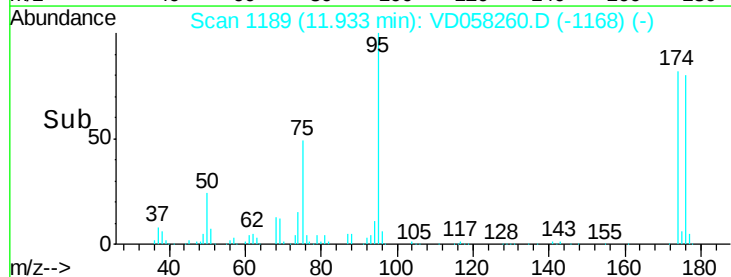
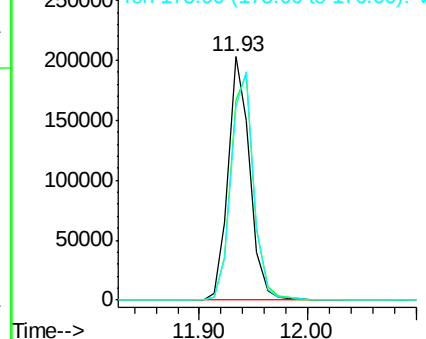
176 79.6 0.0 164.6

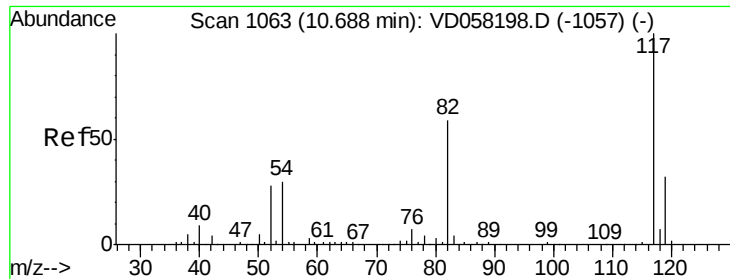


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

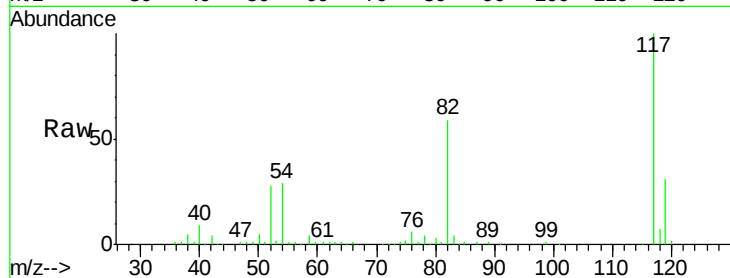




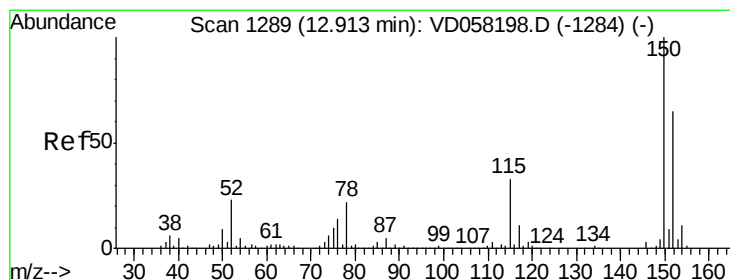
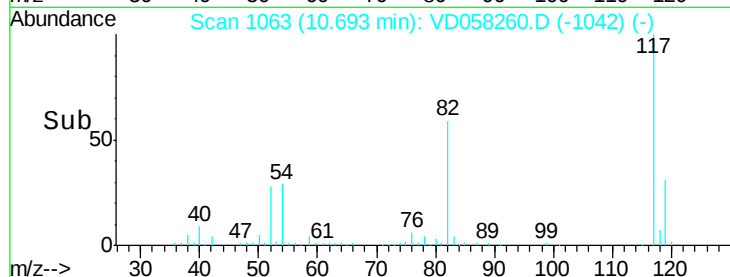
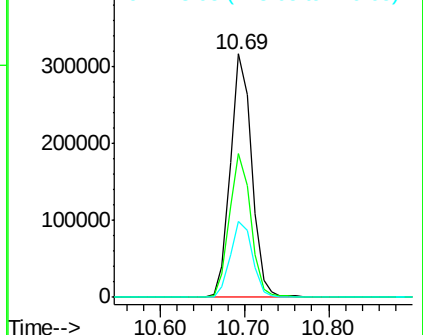
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.01 min
Lab File: VD058260.D
Acq: 21 Jun 2018 18:53

Instrument :
MSVOA_D
ClientSampleId :
IDW-SO1-SRI3

Tot Ion:117 Resp: 561838
Ion Ratio Lower Upper
117 100
82 59.2 47.0 70.6
119 31.4 25.3 37.9

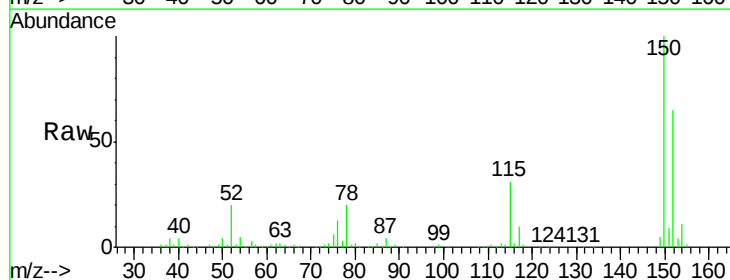


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

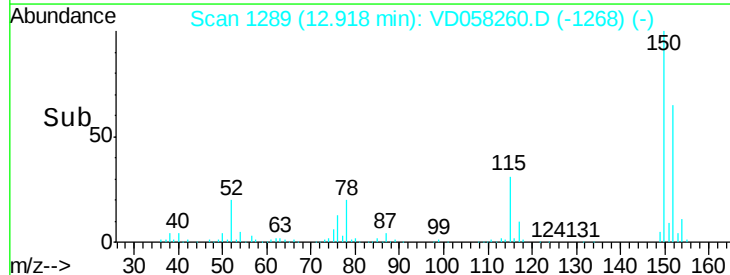
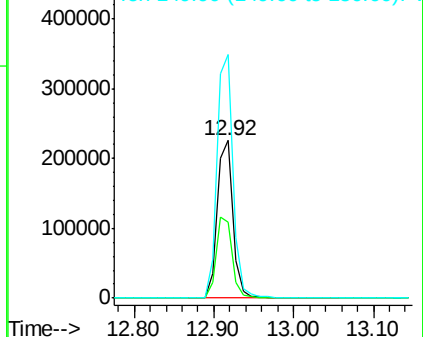


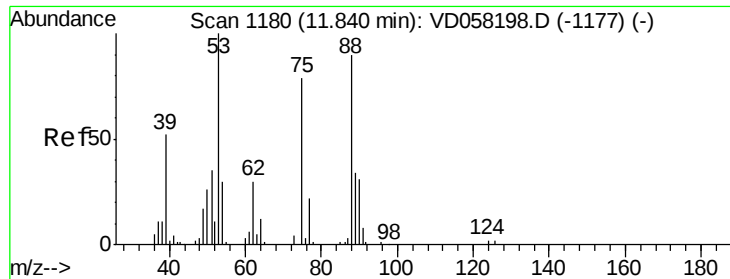
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.92 min Scan# 1289
Delta R.T. 0.01 min
Lab File: VD058260.D
Acq: 21 Jun 2018 18:53

Tgt Ion:152 Resp: 316755
Ion Ratio Lower Upper
152 100
115 47.8 25.1 75.3
150 154.3 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: 117.114 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058260.D

Acq: 21 Jun 2018 18:53

Instrument :

MSVOA_D

ClientSampleId :

IDW-SO1-SRI3

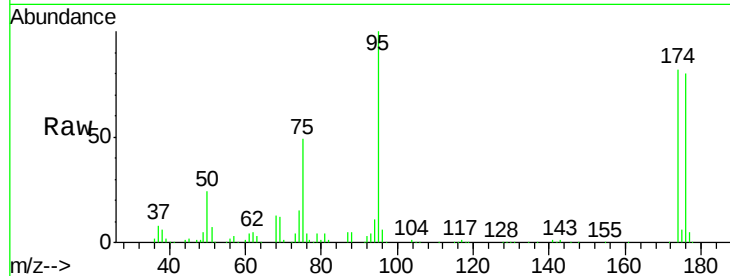
Tot Ion: 75 Resp: 132097

Ion Ratio Lower Upper

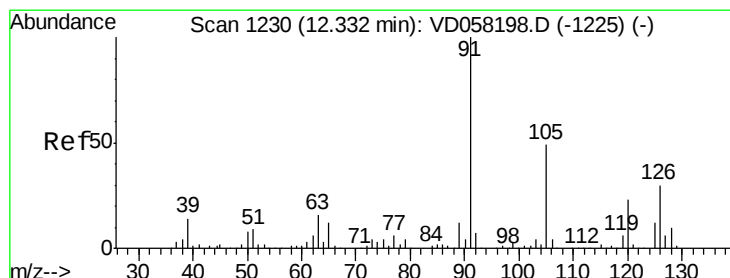
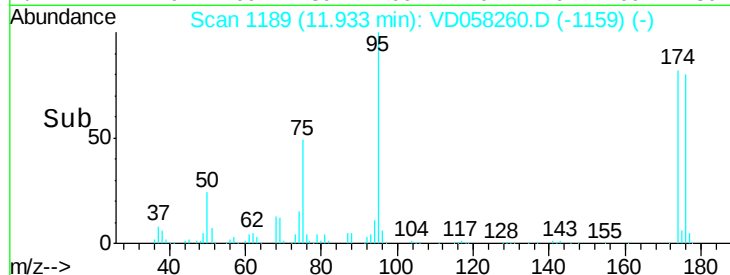
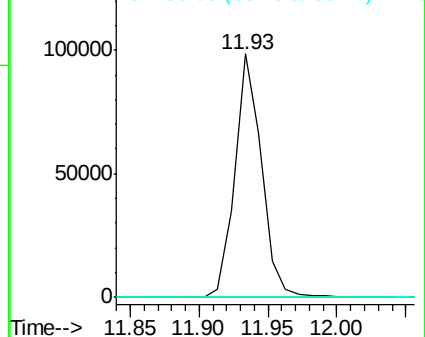
75 100

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# 1229

Delta R.T. -0.00 min

Lab File: VD058260.D

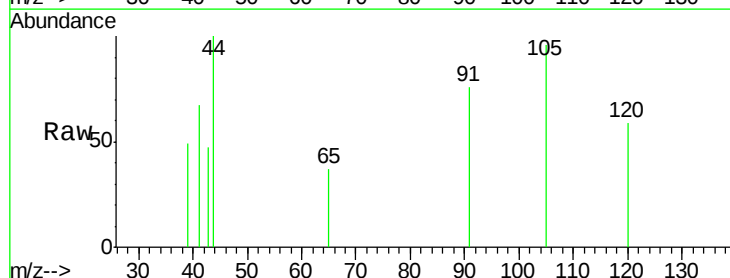
Acq: 21 Jun 2018 18:53

Tgt Ion: 91 Resp: 705

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

