

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120318\
 Data File : VD060472.D
 Acq On : 3 Dec 2018 13:49
 Operator : VA/AP
 Sample : J5764-23
 Misc : 6.6g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 JC-02-113018-B

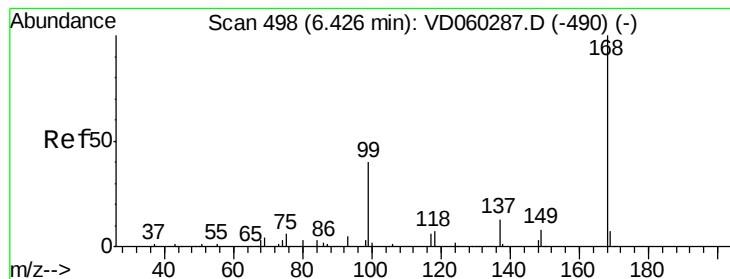
Quant Time: Dec 04 02:21:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.44	168	1398322	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.47	114	1925369	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.30	117	1471446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.39	152	658645	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.81	65	472747	47.22	ug/l	0.01
Spiked Amount			Recovery	=	94.44%	
35) Dibromofluoromethane	6.35	113	646878	45.06	ug/l	0.01
Spiked Amount			Recovery	=	90.12%	
50) Toluene-d8	9.48	98	1745205	41.53	ug/l	0.01
Spiked Amount			Recovery	=	83.06%	
62) 4-Bromofluorobenzene	12.44	95	607504	39.90	ug/l	0.00
Spiked Amount			Recovery	=	79.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.62	85	193	Below Cal	#	41
11) Tert butyl alcohol	3.90	59	634	1.542	ug/l #	70
16) Acetone	3.18	43	6088	3.505	ug/l #	55
20) Methylene Chloride	3.74	84	146939	9.538	ug/l	97
31) Cyclohexane	6.43	56	24215	1.013	ug/l #	1
36) 1,1-Dichloropropene	6.43	75	94800	4.984	ug/l #	47
38) Carbon Tetrachloride	6.43	117	106892	6.058	ug/l #	16
51) 4-Methyl-2-Pentanone	9.48	43	9618	1.344	ug/l #	1
76) 1,2,3-Trichloropropane	12.44	75	229495	29.128	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.44	75	241535	107.678	ug/l #	15
89) n-Butylbenzene	13.66	91	2597	Below Cal		87

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.44 min Scan# 499

Delta R.T. 0.01 min

Lab File: VD060472.D

Acq: 3 Dec 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

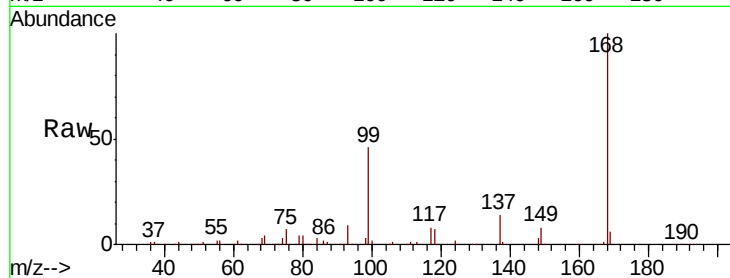
JC-02-113018-B

Tot Ion:168 Resp: 1398322

Ion Ratio Lower Upper

168 100

99 46.1 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.44

500000

400000

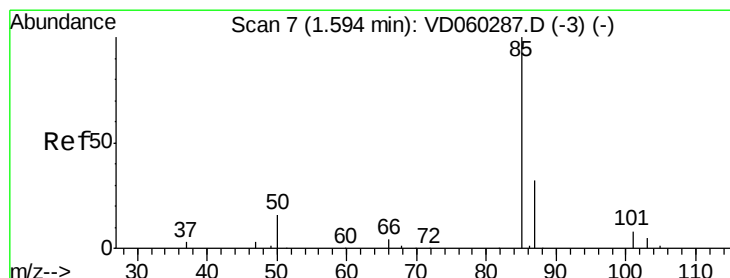
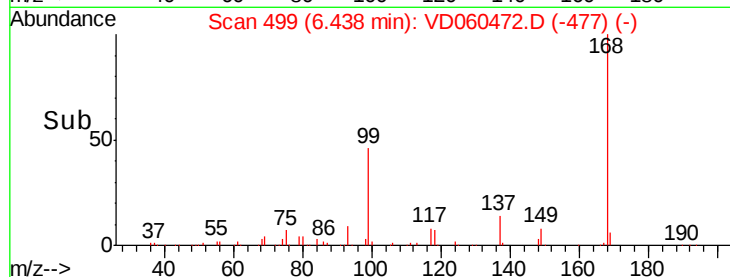
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.62 min Scan# 9

Delta R.T. 0.02 min

Lab File: VD060472.D

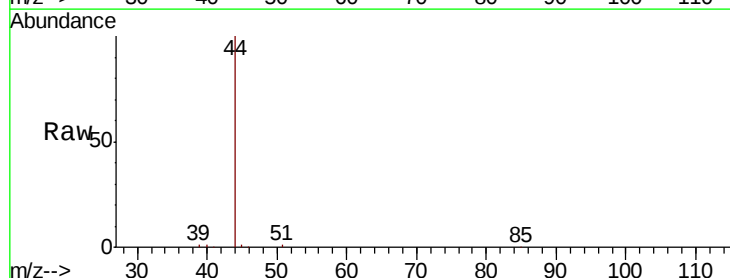
Acq: 3 Dec 2018 13:49

Tgt Ion: 85 Resp: 193

Ion Ratio Lower Upper

85 100

87 0.0 16.8 50.4#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.62

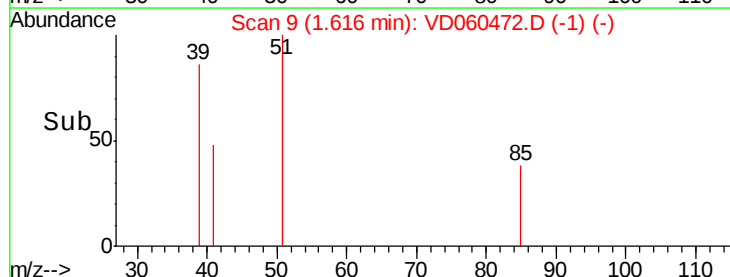
300

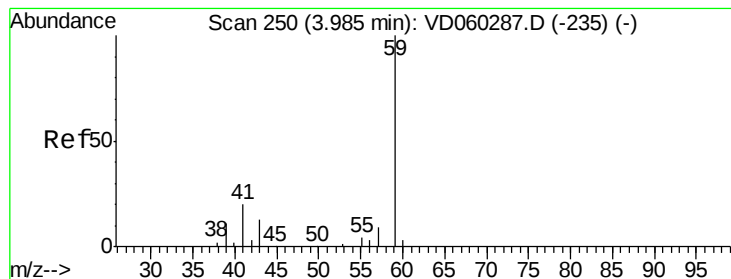
200

100

0

Time-->





#11

Tert butyl alcohol

Concen: 1.542 ug/l

RT: 3.90 min Scan# 241

Delta R.T. -0.09 min

Lab File: VD060472.D

Acq: 3 Dec 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

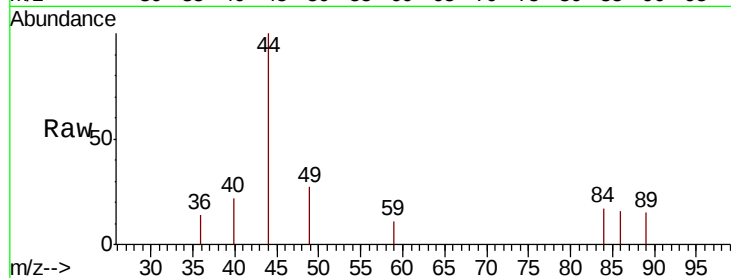
JC-02-113018-B

Tot Ion: 59 Resp: 634

Ion Ratio Lower Upper

59 100

57 0.0 9.3 13.9#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.90

400

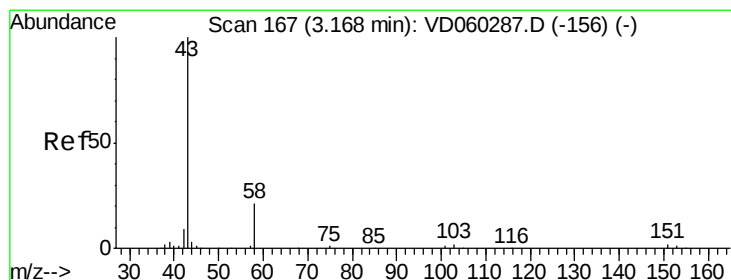
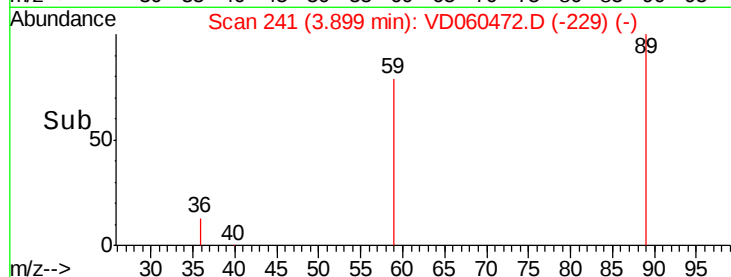
300

200

100

0

Time--> 3.85 3.90 3.95



#16

Acetone

Concen: 3.505 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD060472.D

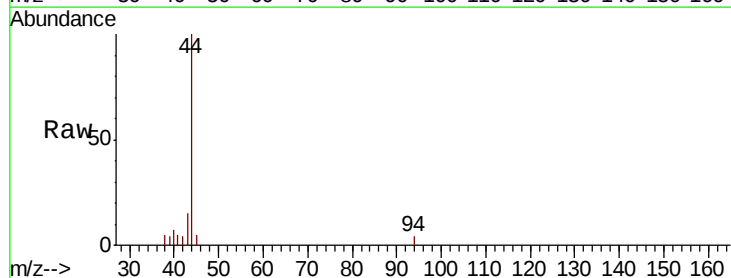
Acq: 3 Dec 2018 13:49

Tgt Ion: 43 Resp: 6088

Ion Ratio Lower Upper

43 100

58 0.0 16.9 25.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

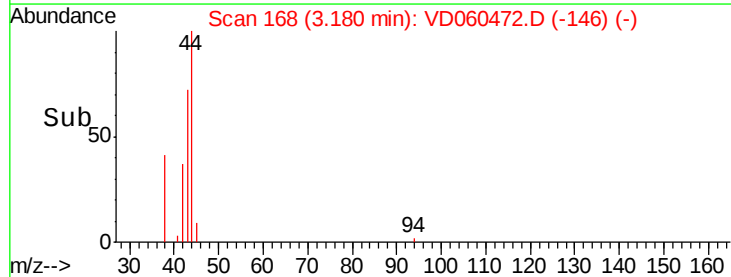
1500

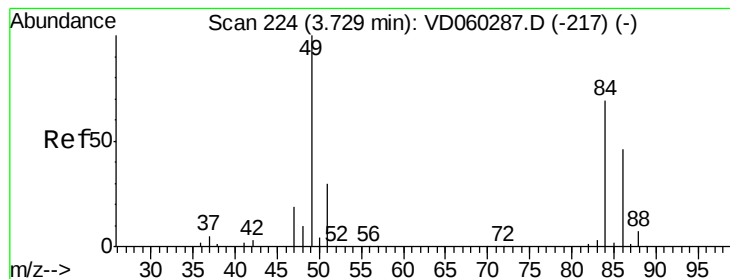
1000

500

0

Time--> 3.10 3.15 3.20 3.25





#20

Methylene Chloride

Concen: 9.538 ug/l

RT: 3.74 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD060472.D

Acq: 3 Dec 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

JC-02-113018-B

Tot Ion: 84 Resp: 146939

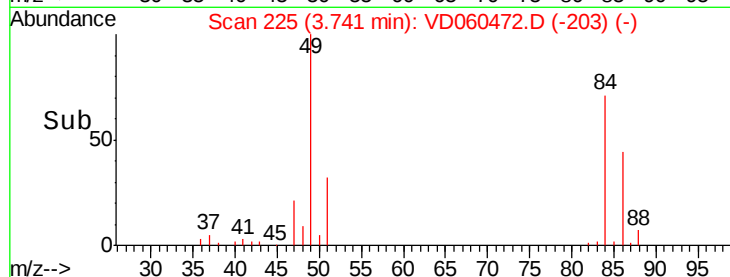
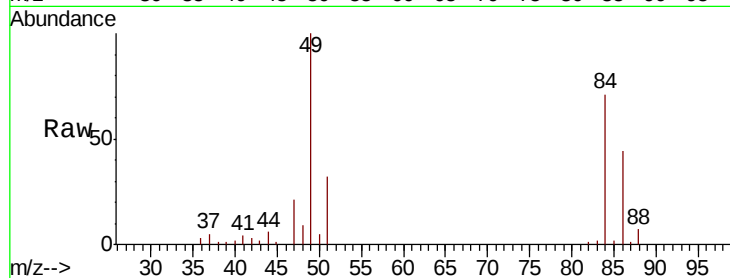
Ion Ratio Lower Upper

84 100

49 140.0 115.6 173.4

51 44.2 35.6 53.4

86 61.5 52.3 78.5

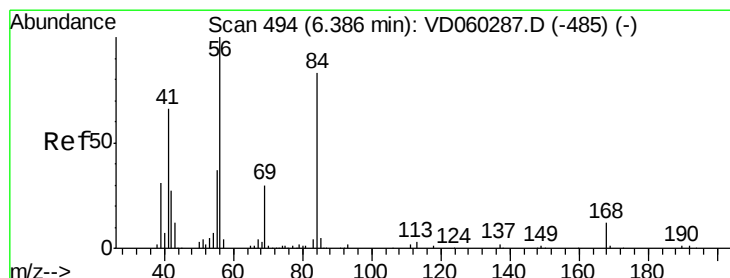
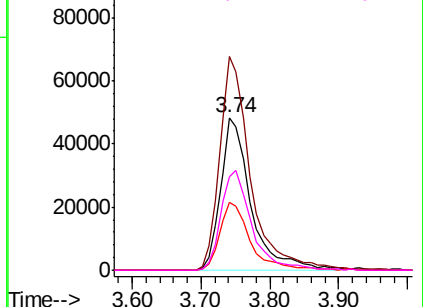


Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#31

Cyclohexane

Concen: 1.013 ug/l

RT: 6.43 min Scan# 498

Delta R.T. 0.04 min

Lab File: VD060472.D

Acq: 3 Dec 2018 13:49

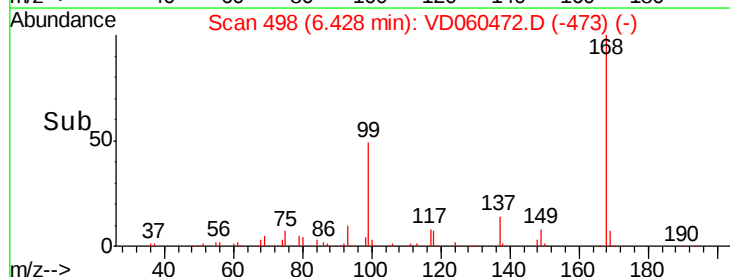
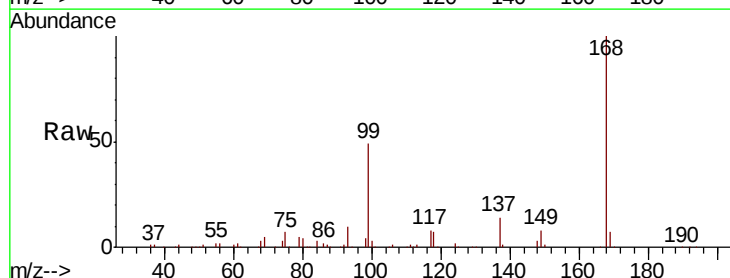
Tgt Ion: 56 Resp: 24215

Ion Ratio Lower Upper

56 100

69 259.0 22.2 33.2#

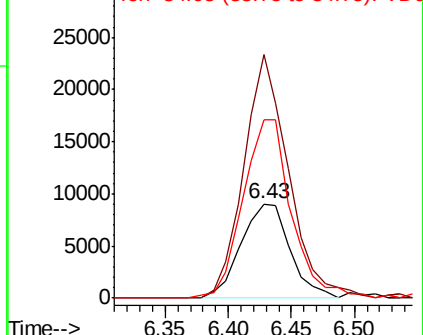
84 190.0 63.0 94.4#

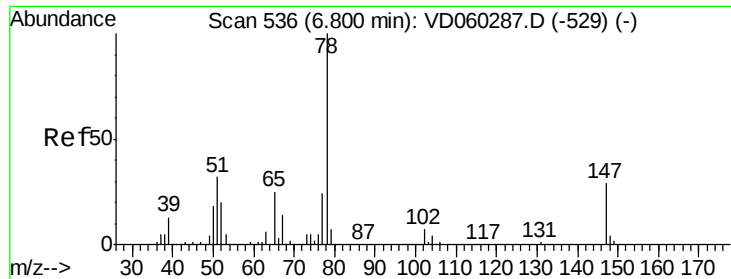


Abundance Ion 55.95 (55.65 to 56.65): VDC

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: 6.81 min Scan# 537

Delta R.T. 0.01 min

Lab File: VD060472.D

Acq: 3 Dec 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

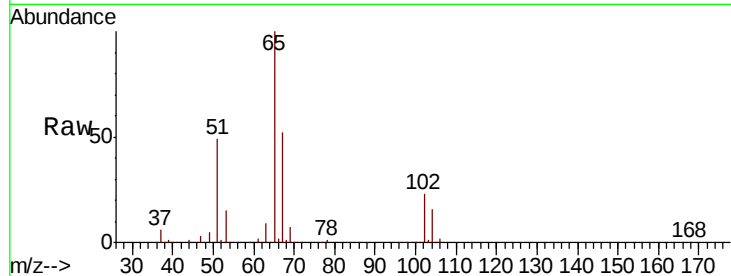
JC-02-113018-B

Tot Ion: 65 Resp: 472747

Ion Ratio Lower Upper

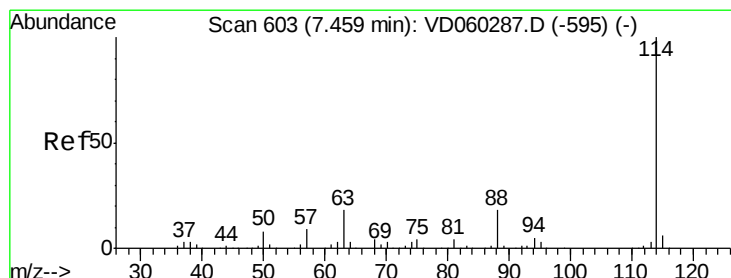
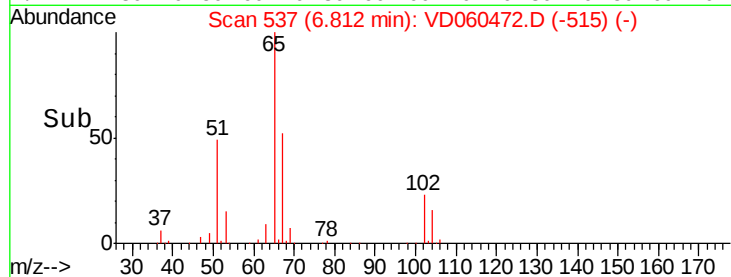
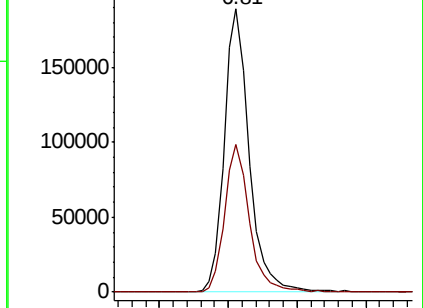
65 100

67 52.3 0.0 109.8



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: 7.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD060472.D

Acq: 3 Dec 2018 13:49

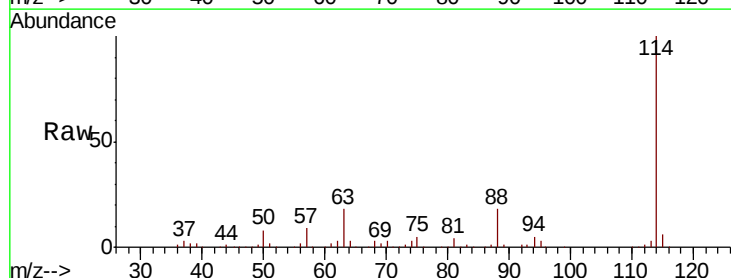
Tgt Ion: 114 Resp: 1925369

Ion Ratio Lower Upper

114 100

63 17.9 0.0 34.0

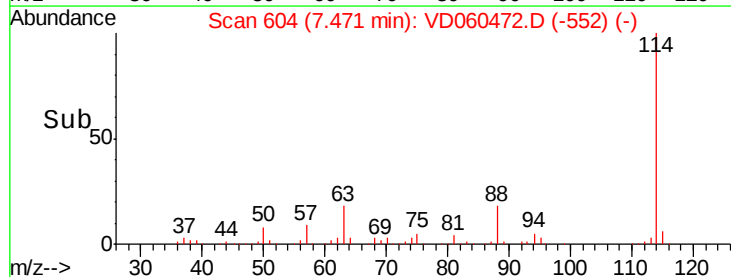
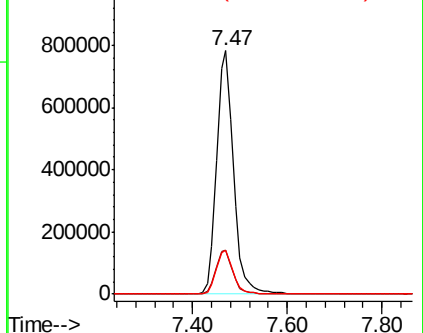
88 18.0 0.0 35.4

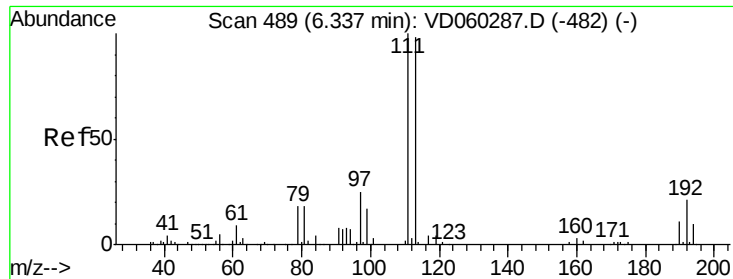


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

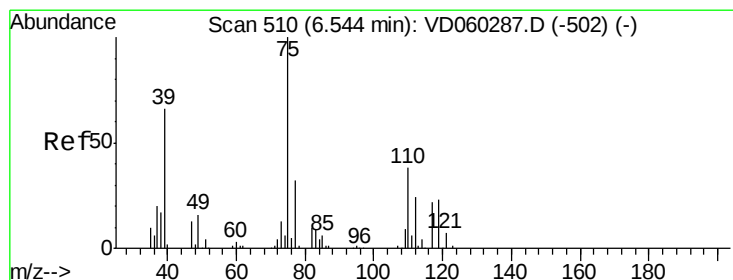
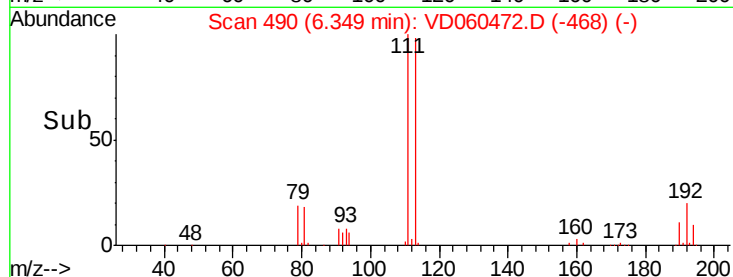
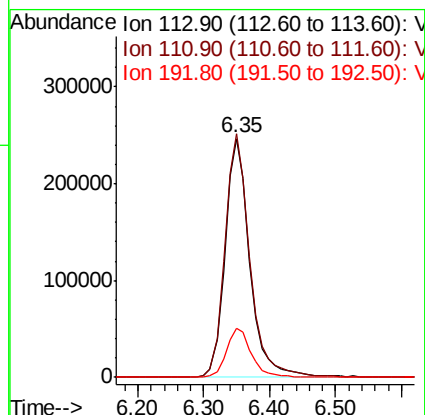
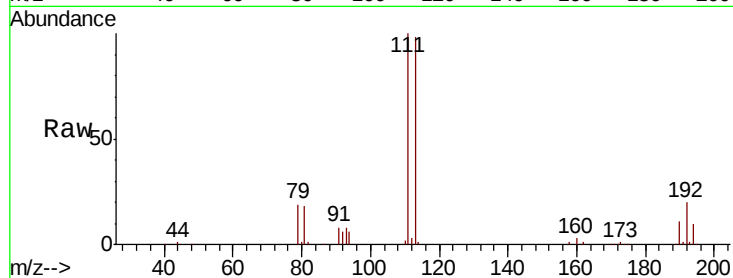




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.35 min Scan# 490
 Delta R.T. 0.01 min
 Lab File: VD060472.D
 Acq: 3 Dec 2018 13:49

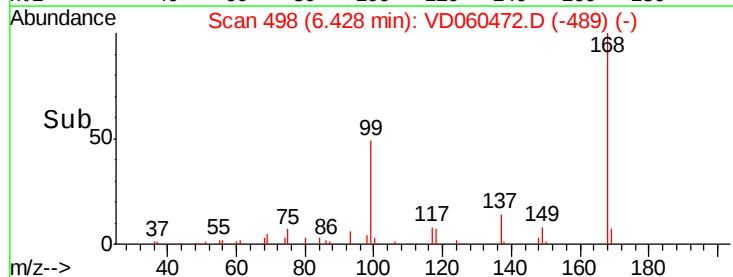
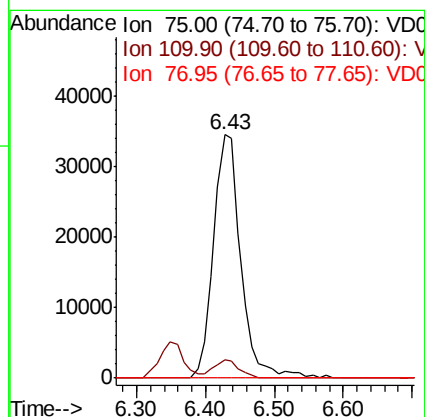
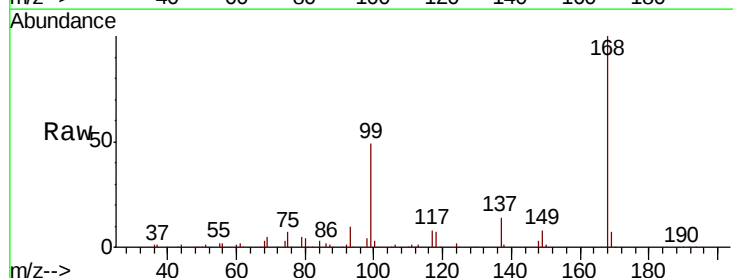
Instrument :
 MSVOA_D
 ClientSampleId :
 JC-02-113018-B

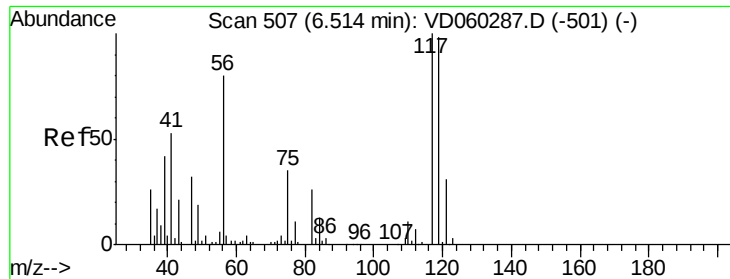
Tot Ion:113 Resp: 646878
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.6 122.4
 192 20.6 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 4.984 ug/l
 RT: 6.43 min Scan# 498
 Delta R.T. -0.12 min
 Lab File: VD060472.D
 Acq: 3 Dec 2018 13:49

Tgt Ion: 75 Resp: 94800
 Ion Ratio Lower Upper
 75 100
 110 7.3 18.0 54.0#
 77 0.0 25.6 38.4#

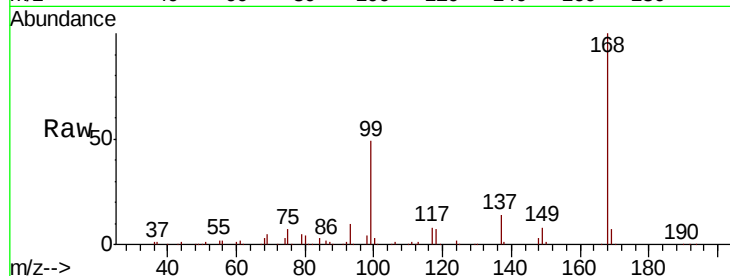




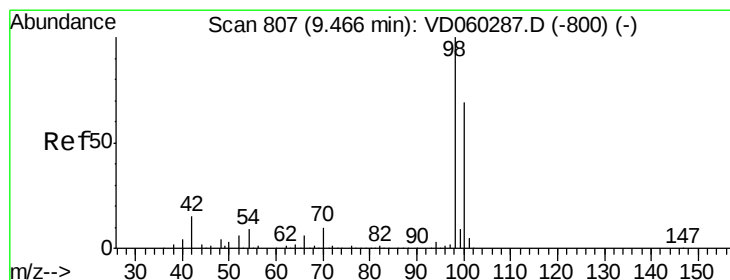
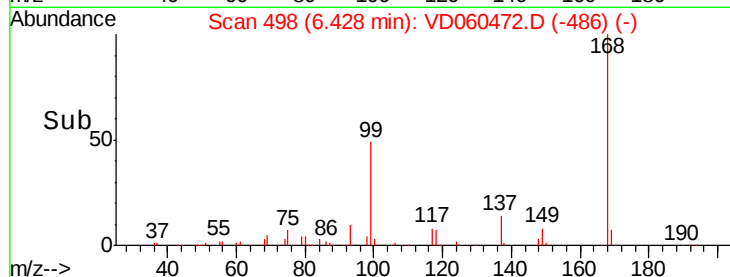
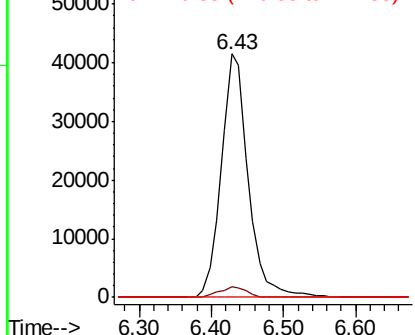
#38
Carbon Tetrachloride
Concen: 6.058 ug/l
RT: 6.43 min Scan# 498
Delta R.T. -0.09 min
Lab File: VD060472.D
Acq: 3 Dec 2018 13:49

Instrument :
MSVOA_D
ClientSampleId :
JC-02-113018-B

Tot Ion:117 Resp: 106892
Ion Ratio Lower Upper
117 100
119 4.6 76.6 115.0#
121 0.0 24.3 36.5#

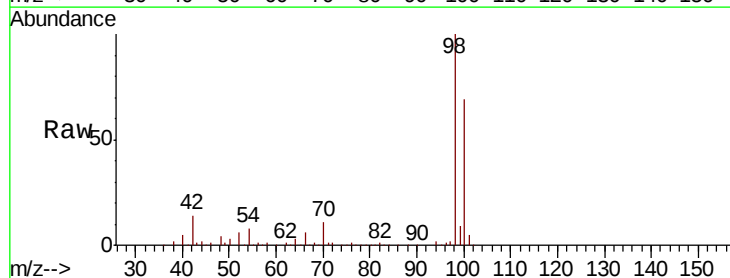


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

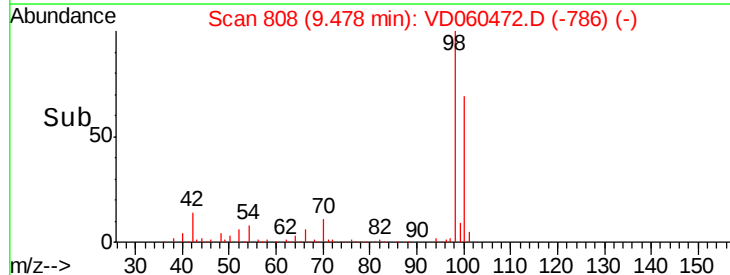
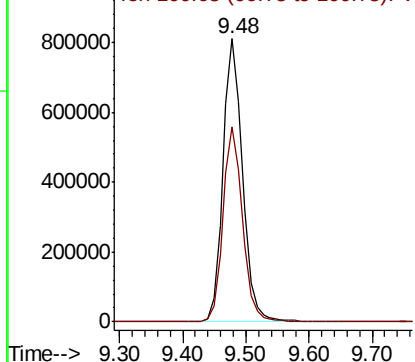


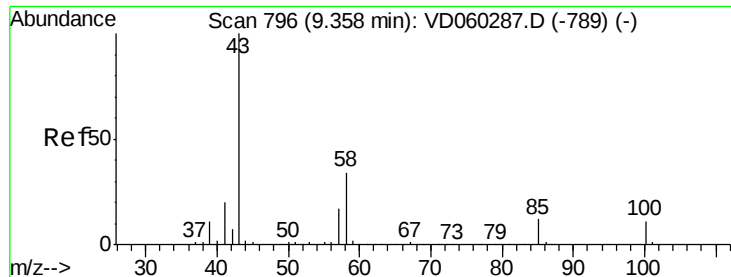
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.48 min Scan# 808
Delta R.T. 0.01 min
Lab File: VD060472.D
Acq: 3 Dec 2018 13:49

Tgt Ion: 98 Resp: 1745205
Ion Ratio Lower Upper
98 100
100 69.0 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): V
Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.344 ug/l

RT: 9.48 min Scan# 808

Delta R.T. 0.12 min

Lab File: VD060472.D

Acq: 3 Dec 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

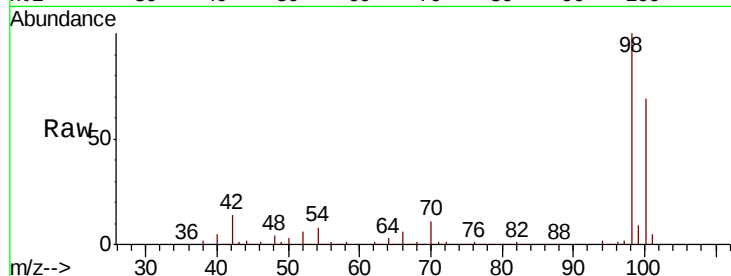
JC-02-113018-B

Tot Ion: 43 Resp: 9618

Ion Ratio Lower Upper

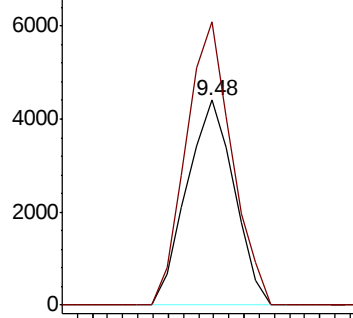
43 100

58 138.1 26.1 39.1#

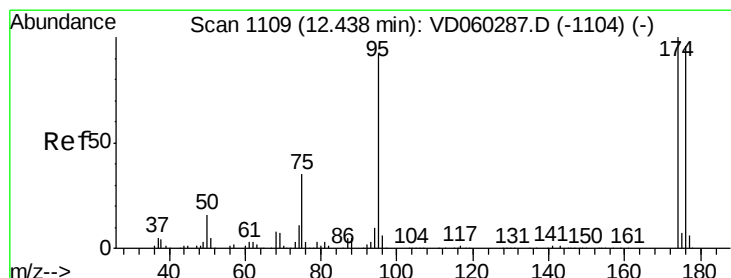
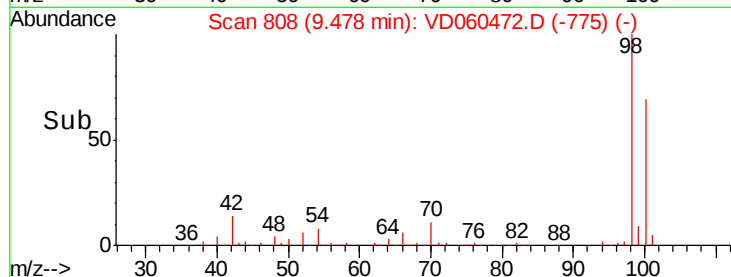


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VD060472.D

Acq: 3 Dec 2018 13:49

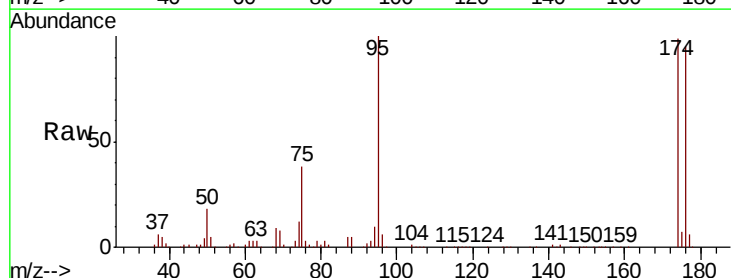
Tgt Ion: 95 Resp: 607504

Ion Ratio Lower Upper

95 100

174 98.9 0.0 160.8

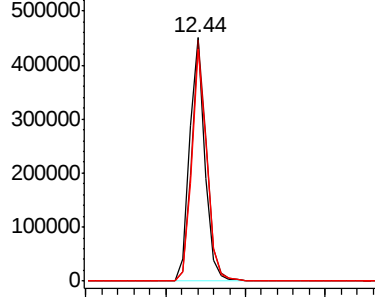
176 95.4 0.0 154.6



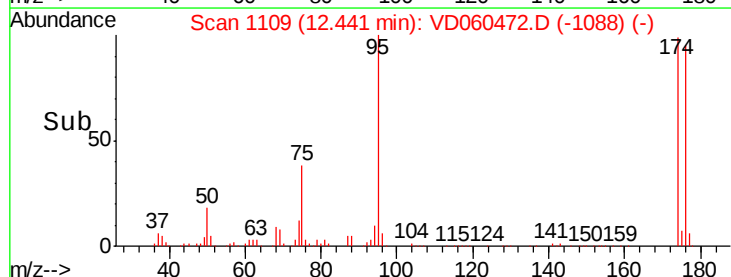
Abundance Ion 95.00 (94.70 to 95.70): VDC

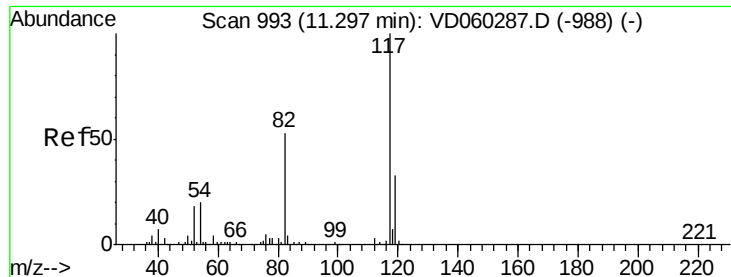
Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



Time-->

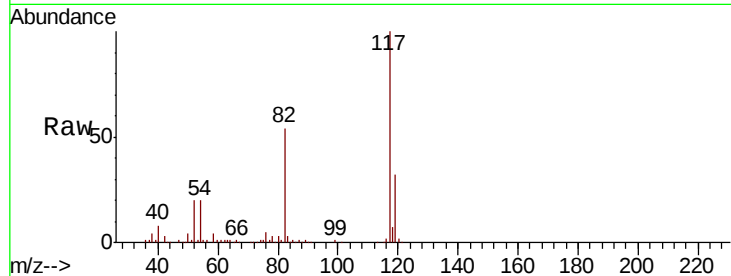




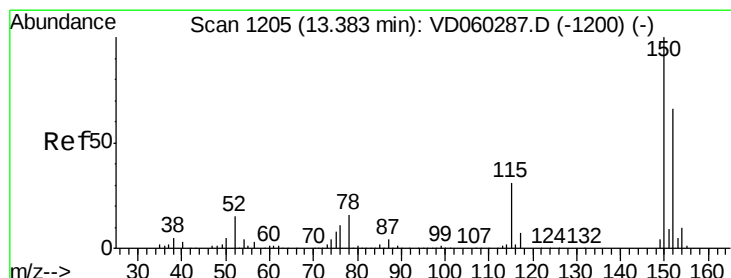
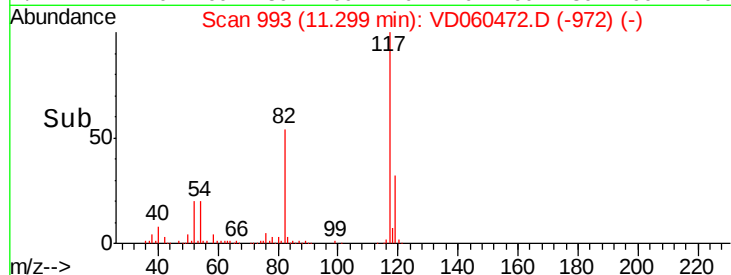
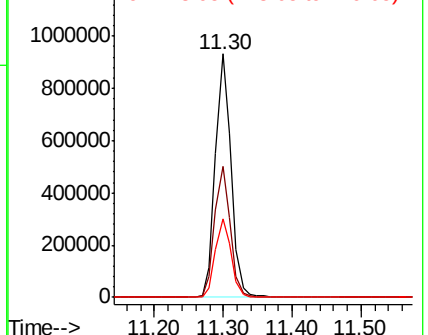
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 993
Delta R.T. 0.00 min
Lab File: VD060472.D
Acq: 3 Dec 2018 13:49

Instrument :
MSVOA_D
ClientSampleId :
JC-02-113018-B

Tot Ion:117 Resp: 1471446
Ion Ratio Lower Upper
117 100
82 53.9 43.7 65.5
119 32.1 26.1 39.1

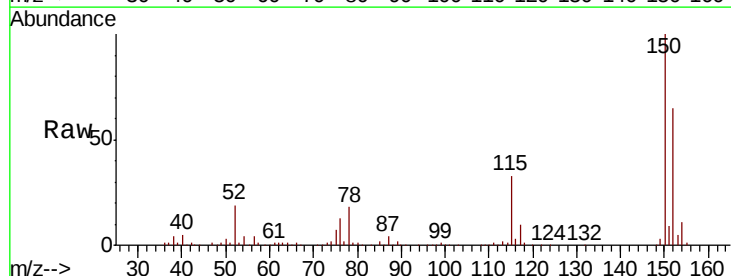


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

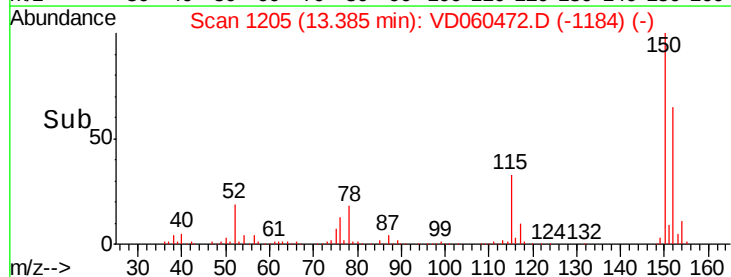
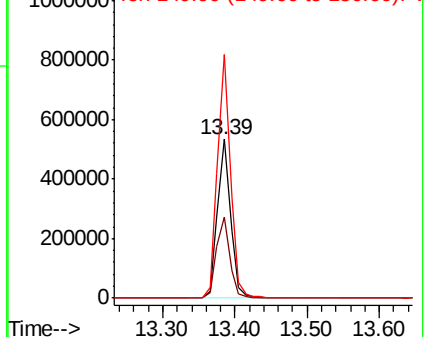


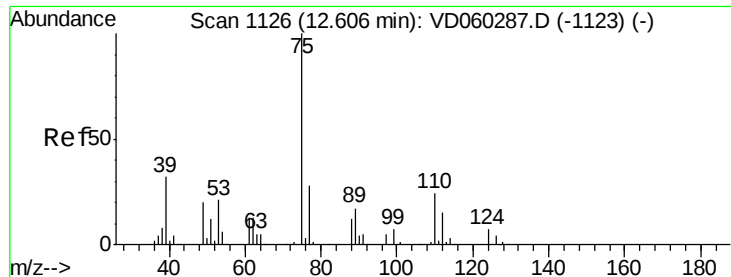
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.39 min Scan# 1205
Delta R.T. 0.00 min
Lab File: VD060472.D
Acq: 3 Dec 2018 13:49

Tgt Ion:152 Resp: 658645
Ion Ratio Lower Upper
152 100
115 51.2 24.1 72.3
150 153.3 0.0 310.6



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





#76

1,2,3-Trichloropropane

Concen: 29.128 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. -0.17 min

Lab File: VD060472.D

Acq: 3 Dec 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

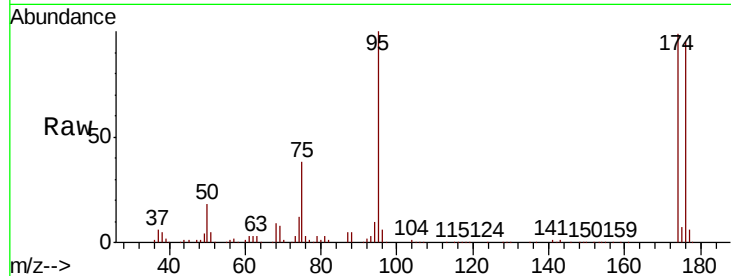
JC-02-113018-B

Tot Ion: 75 Resp: 229495

Ion Ratio Lower Upper

75 100

77 1.5 16.4 49.1#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

12.44

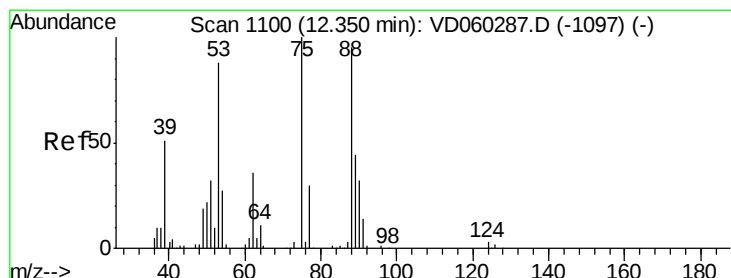
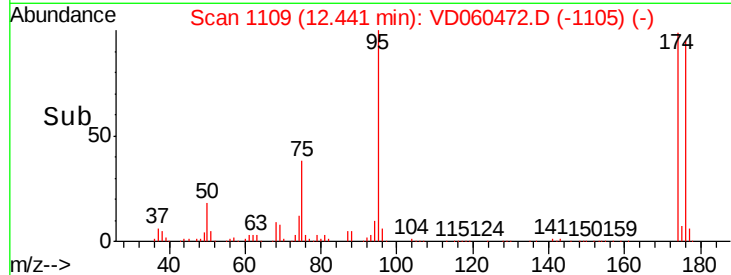
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 107.678 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.09 min

Lab File: VD060472.D

Acq: 3 Dec 2018 13:49

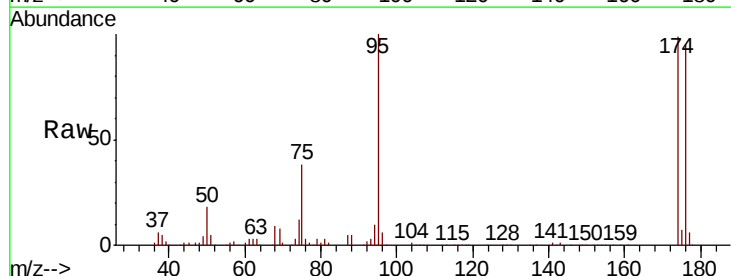
Tgt Ion: 75 Resp: 241535

Ion Ratio Lower Upper

75 100

53 0.0 68.6 103.0#

89 0.0 34.1 51.1#



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

12.44

150000

100000

50000

0

Time-->

