

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066342.D
 Acq On : 20 Aug 2020 04:07
 Operator : VA/SY
 Sample : L3496-01
 Misc : 8.95G/5.00ml/MSVOA D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 AU-06-081720

Quant Time: Aug 20 07:23:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	8546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	15261	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	15106	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	5751	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	10121	132.75	ug/l	0.00
Spiked Amount			Recovery	=	265.50%	
35) Dibromofluoromethane	7.90	113	6948	71.87	ug/l	0.00
Spiked Amount			Recovery	=	143.74%	
50) Toluene-d8	10.33	98	16396	45.96	ug/l	0.00
Spiked Amount			Recovery	=	91.92%	
62) 4-Bromofluorobenzene	12.63	95	5676	44.14	ug/l	0.00
Spiked Amount			Recovery	=	88.28%	

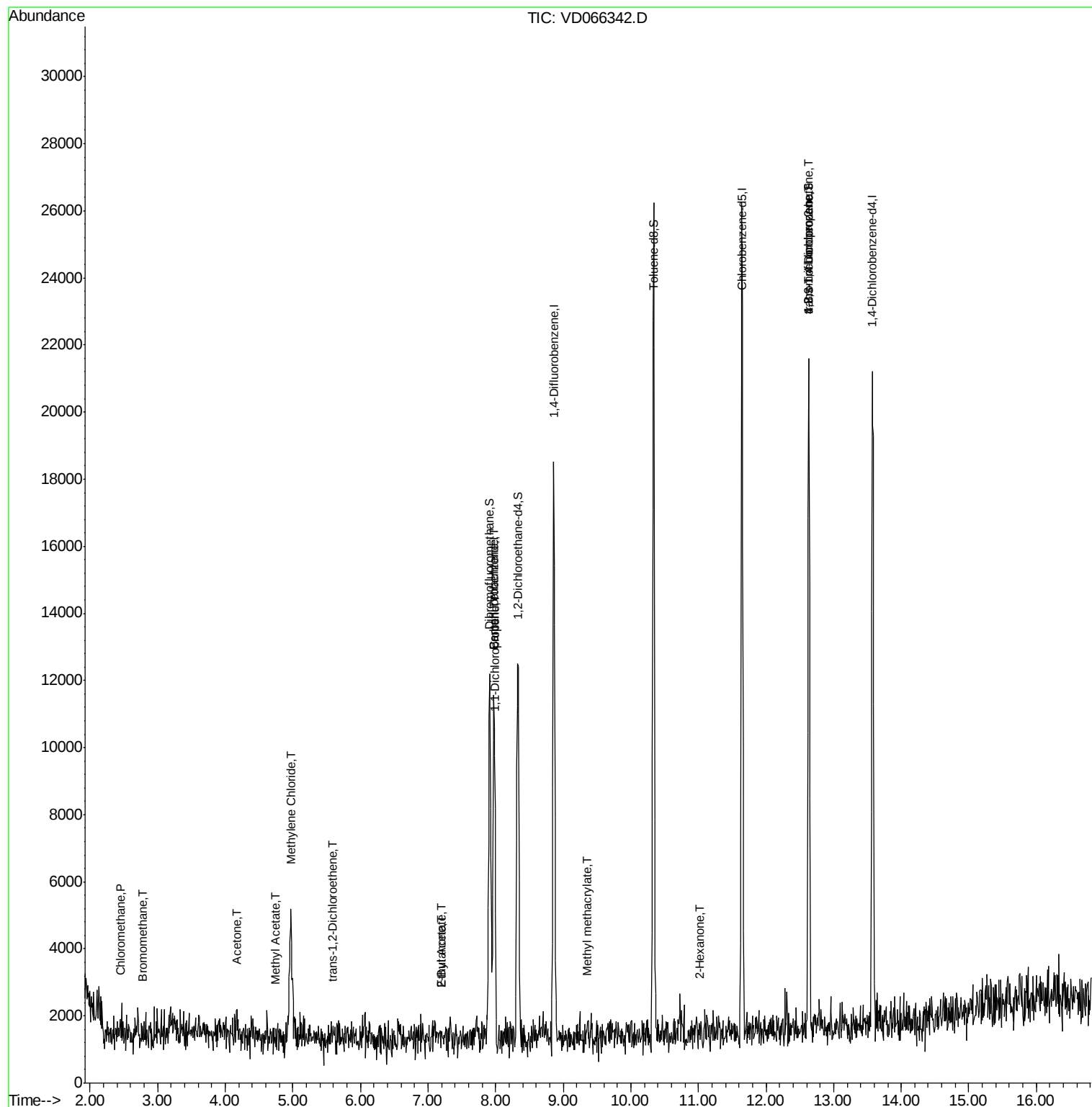
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.45	50	64	1.093	ug/l #	40
5) Bromomethane	2.78	94	54	1.570	ug/l #	4
16) Acetone	4.17	43	927	64.079	ug/l #	44
18) Methyl Acetate	4.76	43	57	1.551	ug/l #	48
20) Methylene Chloride	4.97	84	2472	27.671	ug/l	94
21) trans-1,2-Dichloroethene	5.60	96	188	2.162	ug/l #	1
25) 2-Butanone	7.21	43	70	3.290	ug/l #	47
36) 1,1-Dichloropropene	7.99	75	144	1.004	ug/l #	41
37) Ethyl Acetate	7.21	43	70	1.232	ug/l #	66
38) Carbon Tetrachloride	7.98	117	589	3.683	ug/l #	10
48) Methyl methacrylate	9.36	41	69	1.207	ug/l #	16
59) 2-Hexanone	11.01	43	60	1.487	ug/l #	24
76) 1,2,3-Trichloropropane	12.64	75	3259	67.953	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	3259	150.215	ug/l #	14

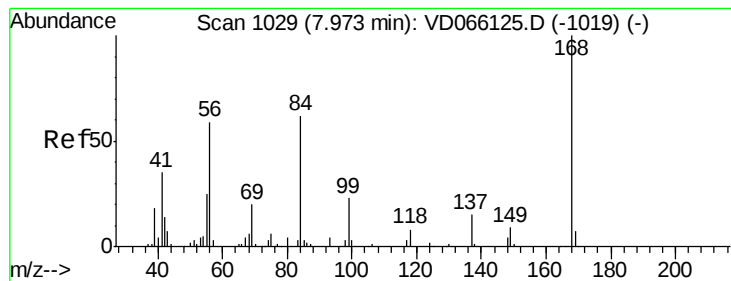
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066342.D

Acq: 20 Aug 2020 04:07

Instrument :

MSVOA_D

ClientSampleId :

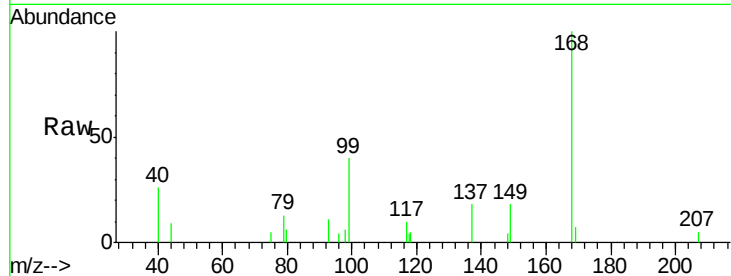
AU-06-081720

Tot Ion:168 Resp: 8546

Ion Ratio Lower Upper

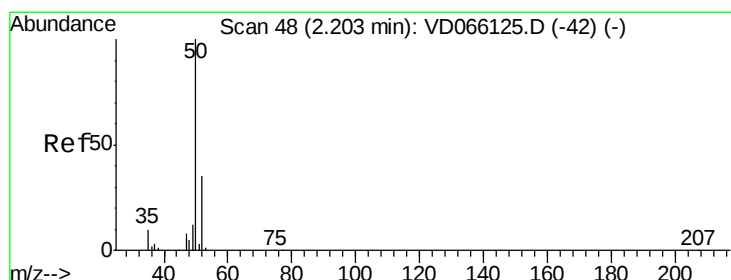
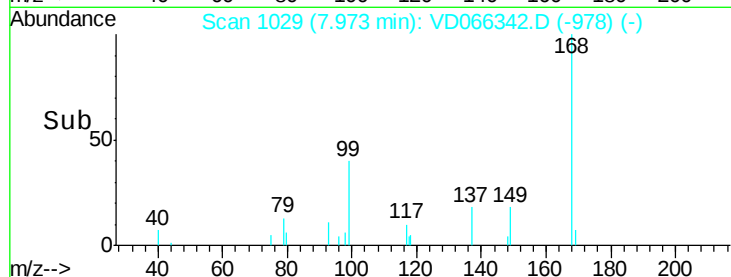
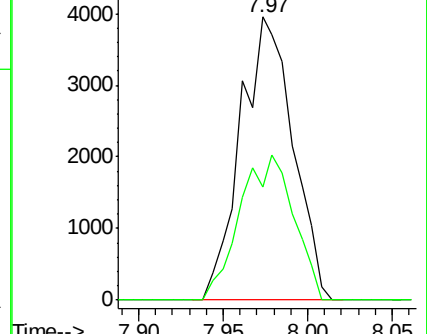
168 100

99 40.1 42.2 63.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#3

Chloromethane

Concen: 1.093 ug/l

RT: 2.45 min Scan# 90

Delta R.T. 0.25 min

Lab File: VD066342.D

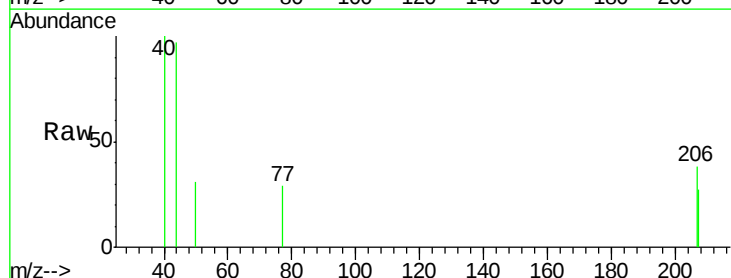
Acq: 20 Aug 2020 04:07

Tgt Ion: 50 Resp: 64

Ion Ratio Lower Upper

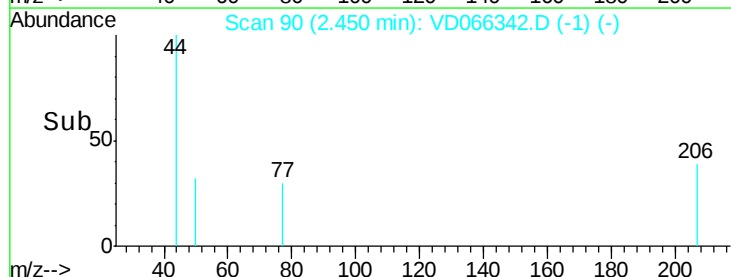
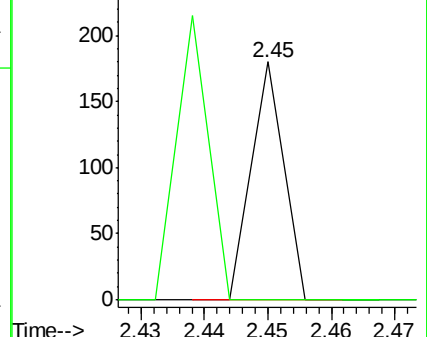
50 100

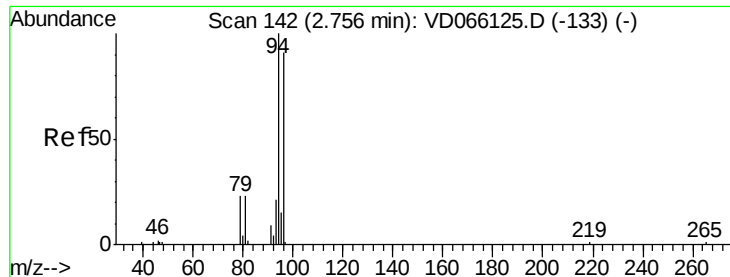
52 0.0 27.9 41.9#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: 1.570 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.02 min

Lab File: VD066342.D

Acq: 20 Aug 2020 04:07

Instrument :

MSVOA_D

ClientSampleId :

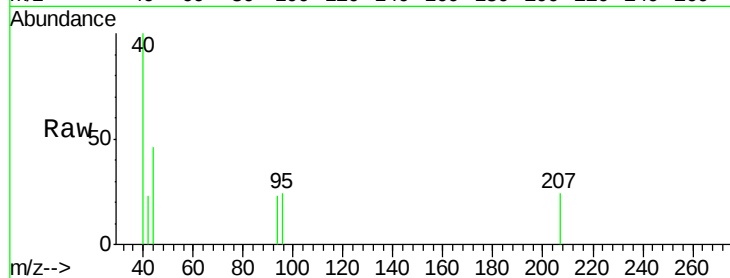
AU-06-081720

Tot Ion: 94 Resp: 54

Ion Ratio Lower Upper

94 100

96 0.0 72.6 109.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

250

200

150

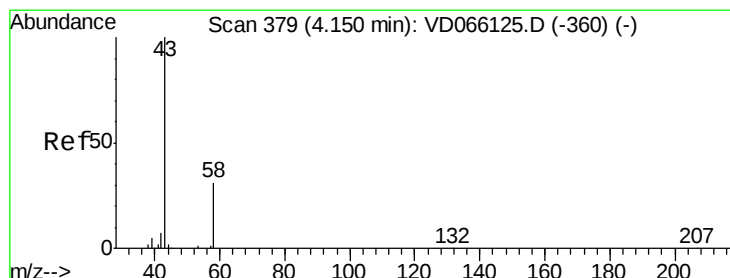
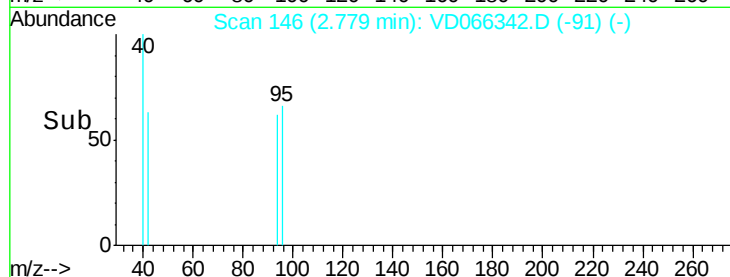
100

50

0

2.76 2.77 2.78 2.79

Time-->



#16

Acetone

Concen: 64.079 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.02 min

Lab File: VD066342.D

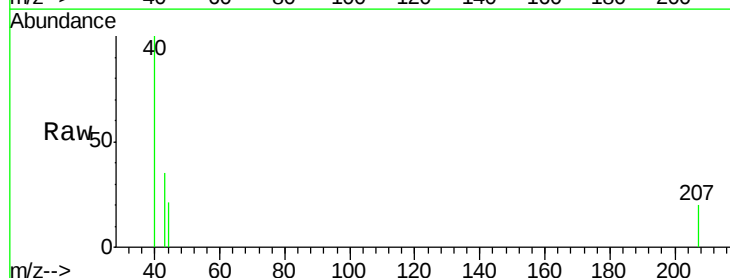
Acq: 20 Aug 2020 04:07

Tgt Ion: 43 Resp: 927

Ion Ratio Lower Upper

43 100

58 0.0 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

500

400

300

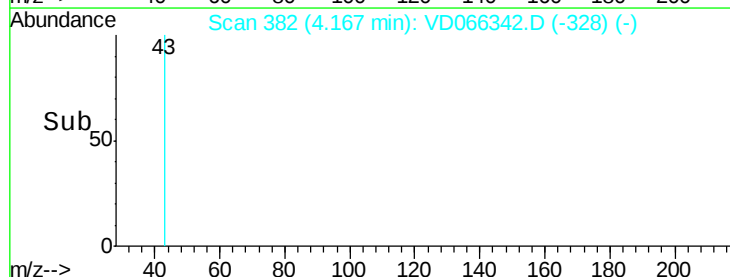
200

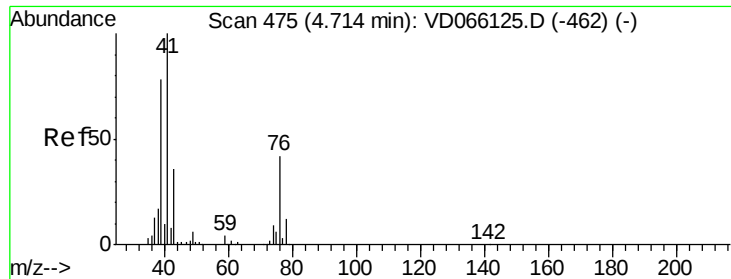
100

0

4.10 4.15 4.20

Time-->

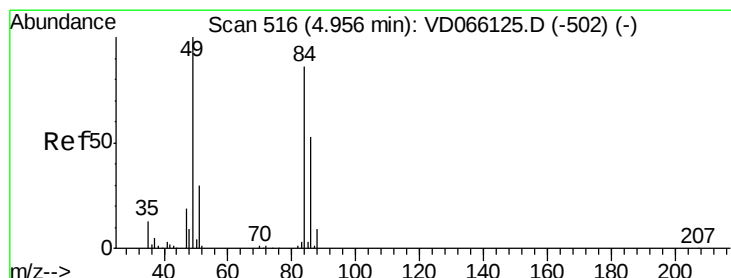
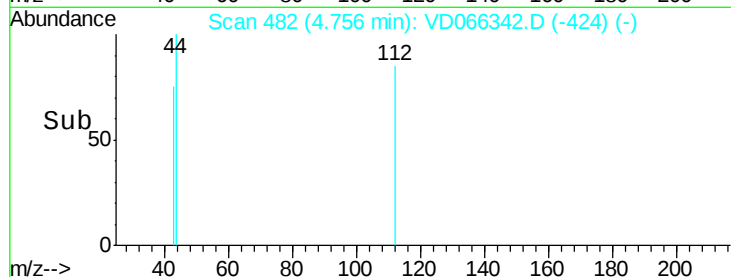
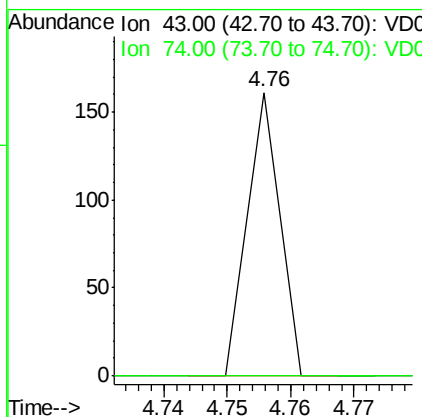
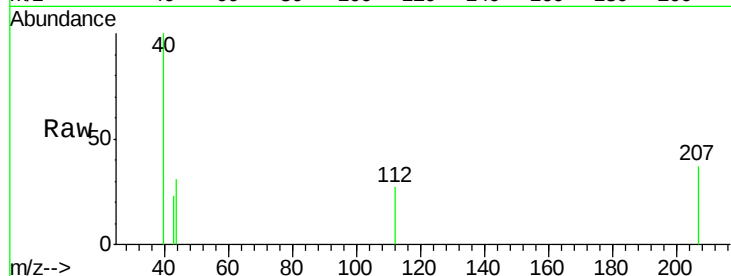




#18
Methyl Acetate
Concen: 1.551 ug/l
RT: 4.76 min Scan# 482
Delta R.T. 0.04 min
Lab File: VD066342.D
Acq: 20 Aug 2020 04:07

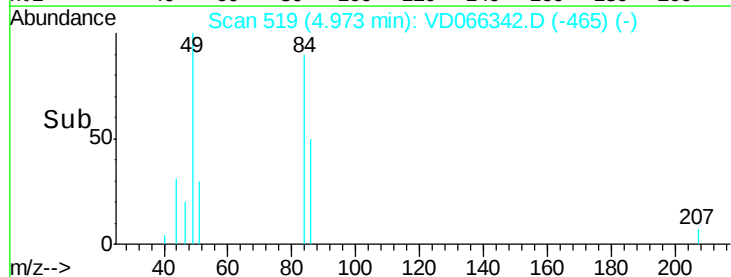
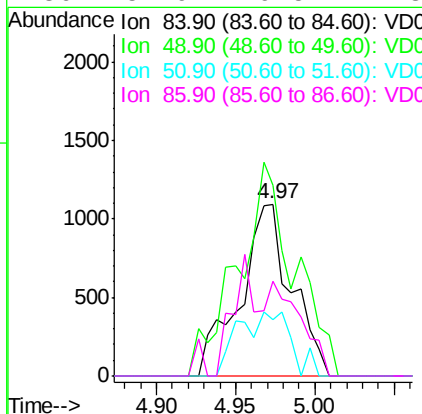
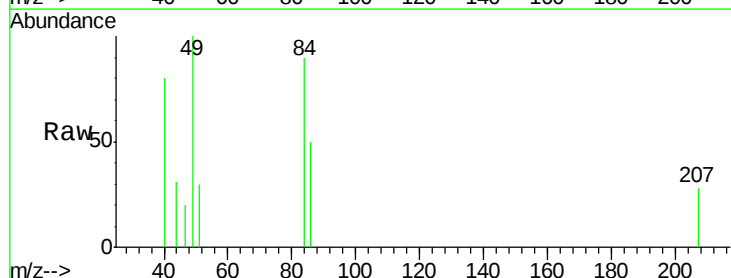
Instrument :
MSVOA_D
ClientSampleId :
AU-06-081720

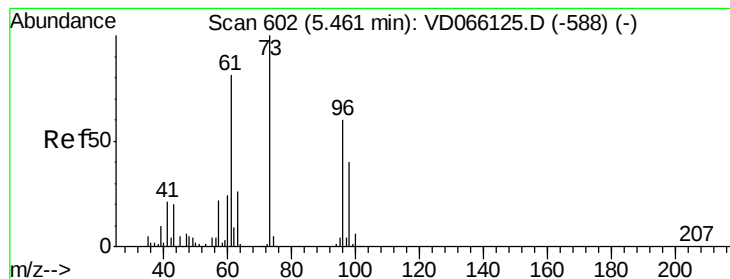
Tot Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
74 0.0 21.2 31.8#



#20
Methylene Chloride
Concen: 27.671 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.02 min
Lab File: VD066342.D
Acq: 20 Aug 2020 04:07

Tgt Ion: 84 Resp: 2472
Ion Ratio Lower Upper
84 100
49 110.8 93.5 140.3
51 33.0 28.2 42.4
86 54.9 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 2.162 ug/l

RT: 5.60 min Scan# 625

Delta R.T. 0.14 min

Lab File: VD066342.D

Acq: 20 Aug 2020 04:07

Instrument :

MSVOA_D

ClientSampleId :

AU-06-081720

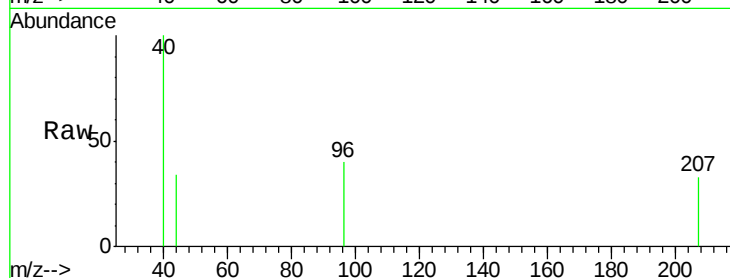
Tot Ion: 96 Resp: 188

Ion Ratio Lower Upper

96 100

61 0.0 106.9 160.3#

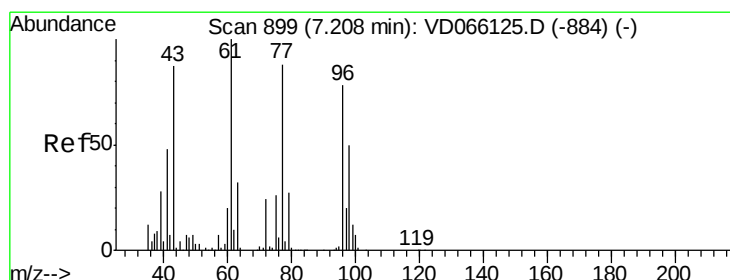
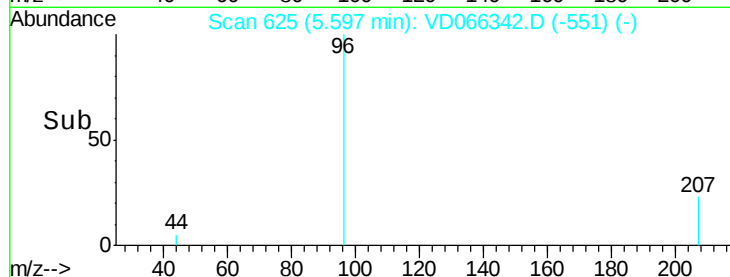
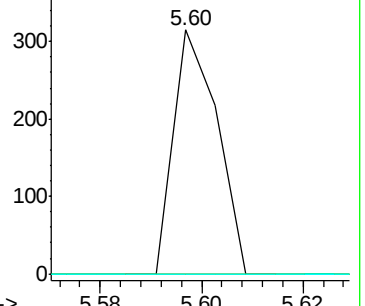
98 0.0 53.4 80.0#



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#25

2-Butanone

Concen: 3.290 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066342.D

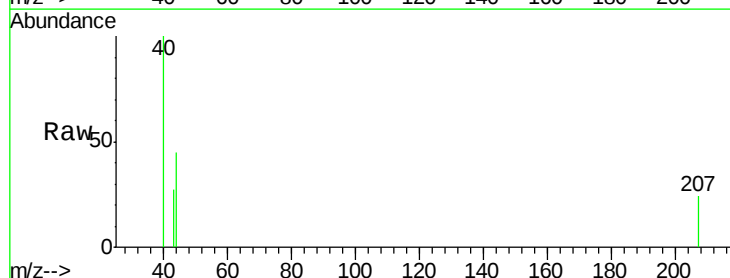
Acq: 20 Aug 2020 04:07

Tgt Ion: 43 Resp: 70

Ion Ratio Lower Upper

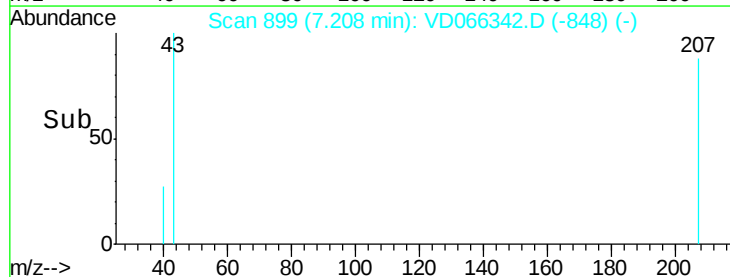
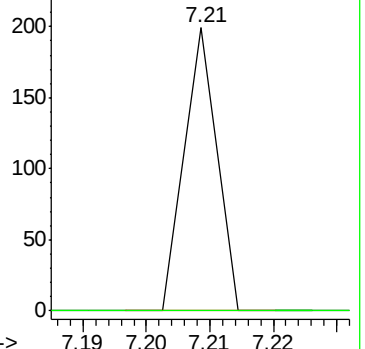
43 100

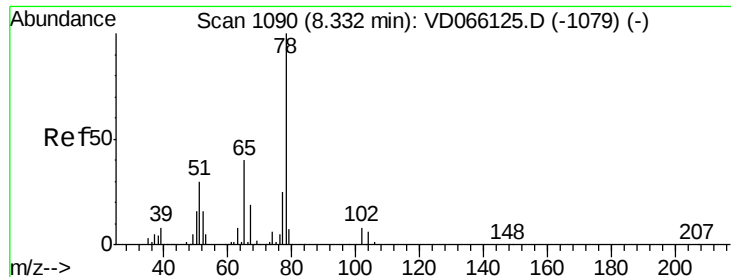
72 0.0 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 132.746 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD066342.D

Acq: 20 Aug 2020 04:07

Instrument :

MSVOA_D

ClientSampleId :

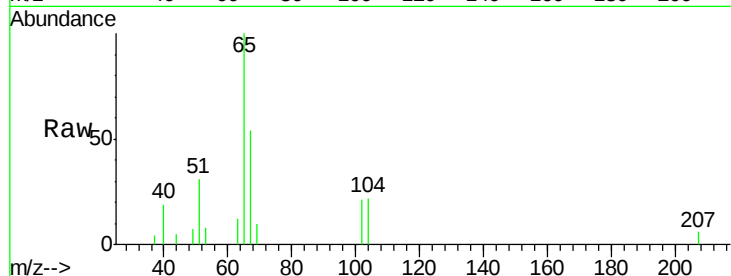
AU-06-081720

Tot Ion: 65 Resp: 10121

Ion Ratio Lower Upper

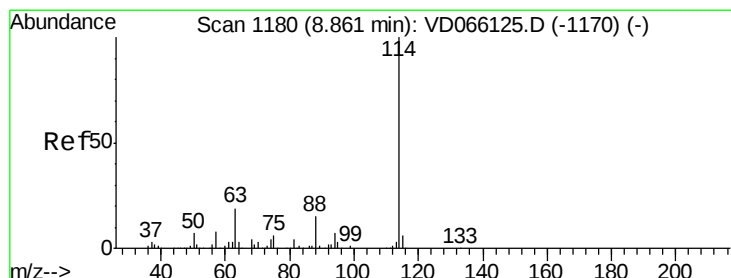
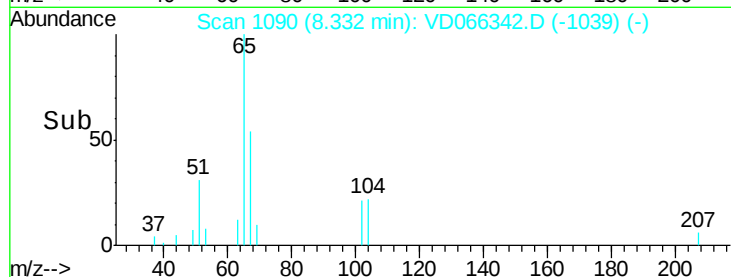
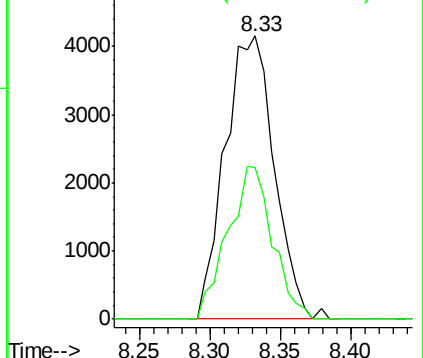
65 100

67 48.9 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066342.D

Acq: 20 Aug 2020 04:07

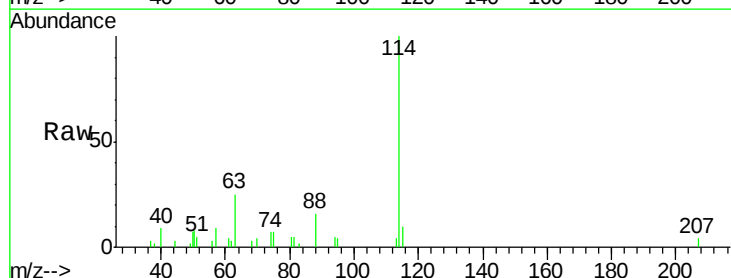
Tgt Ion: 114 Resp: 15261

Ion Ratio Lower Upper

114 100

63 24.6 0.0 38.6

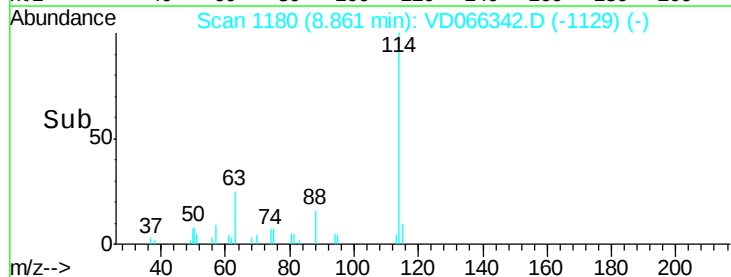
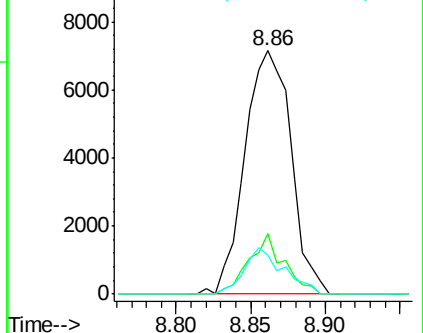
88 15.9 0.0 30.0

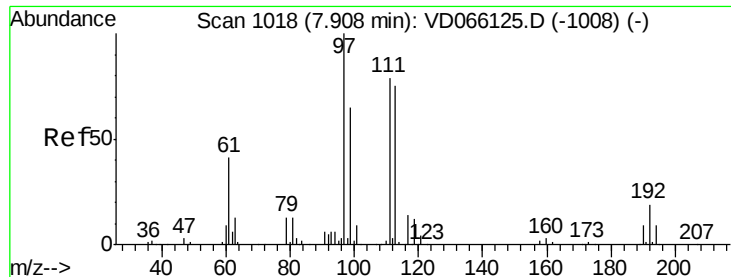


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 71.868 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD066342.D

Acq: 20 Aug 2020 04:07

Instrument :

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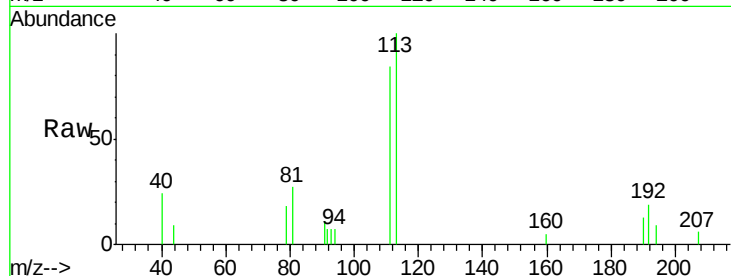
Tot Ion:113 Resp: 6948

Ion Ratio Lower Upper

113 100

111 113.8 80.7 121.1

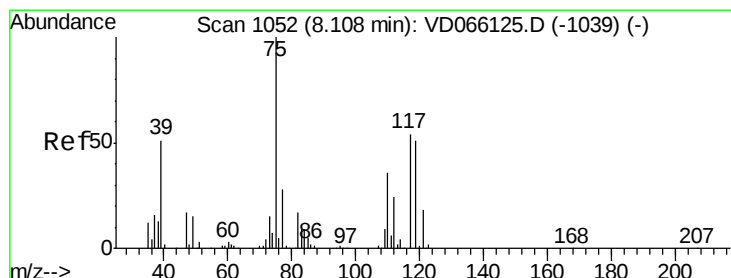
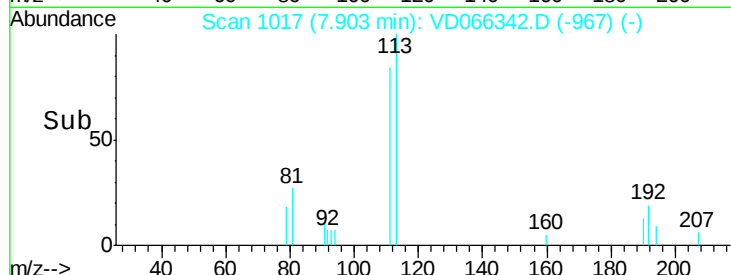
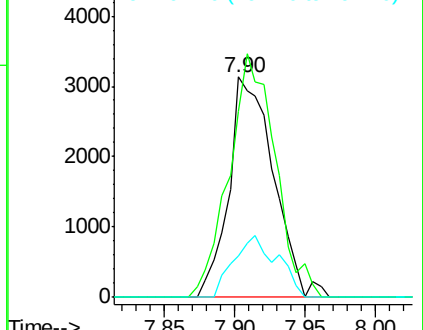
192 27.4 18.4 27.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 1.004 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.12 min

Lab File: VD066342.D

Acq: 20 Aug 2020 04:07

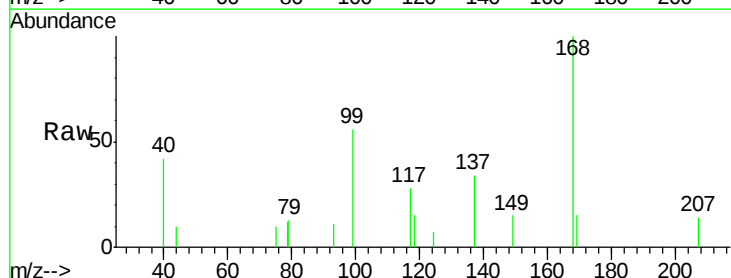
Tgt Ion: 75 Resp: 144

Ion Ratio Lower Upper

75 100

110 0.0 18.8 56.3#

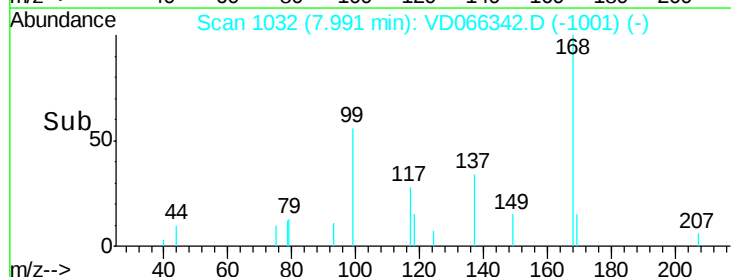
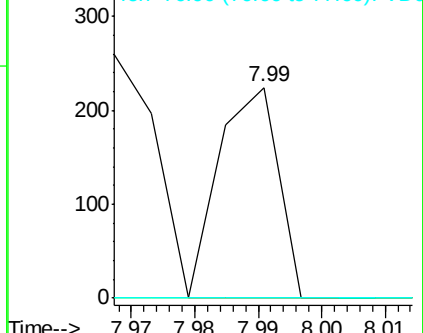
77 0.0 24.2 36.2#

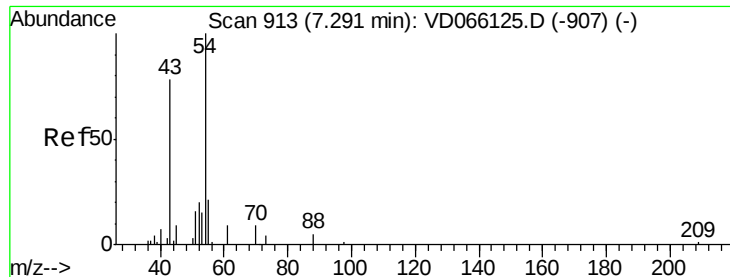


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VDC





#37

Ethyl Acetate

Concen: 1.232 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.08 min

Lab File: VD066342.D

Acq: 20 Aug 2020 04:07

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MSVOA_D

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AU-06-081720

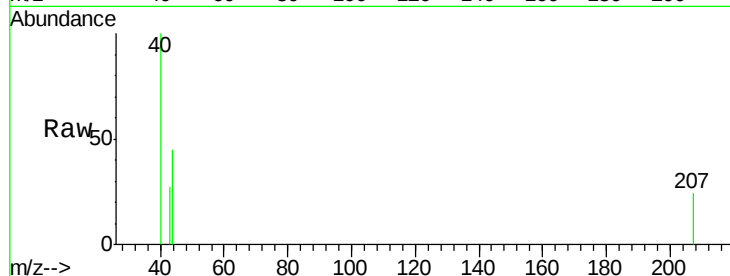
Tot Ion: 43 Resp: 70

Ion Ratio Lower Upper

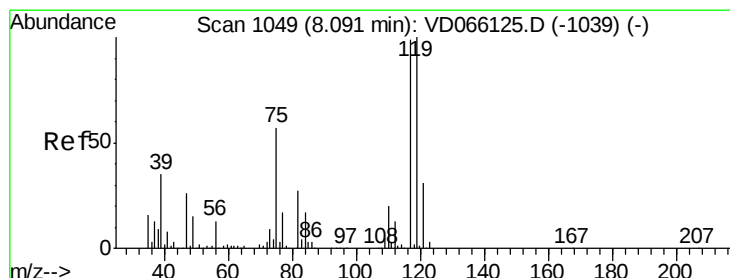
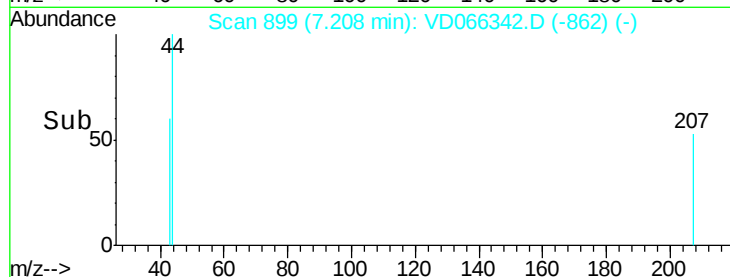
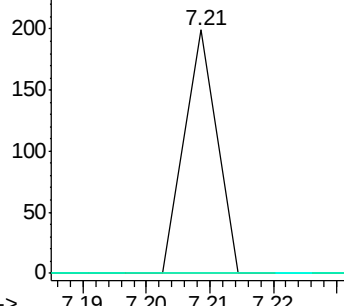
43 100

61 0.0 12.0 18.0#

70 0.0 9.7 14.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 3.683 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.11 min

Lab File: VD066342.D

Acq: 20 Aug 2020 04:07

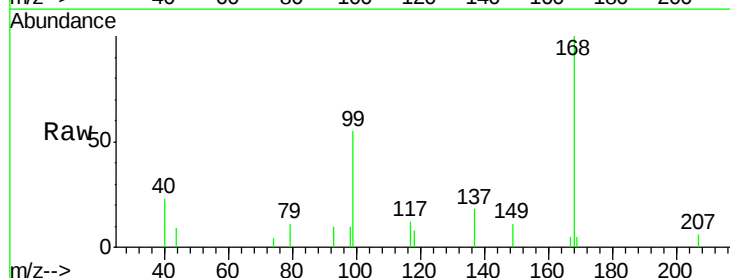
Tgt Ion: 117 Resp: 589

Ion Ratio Lower Upper

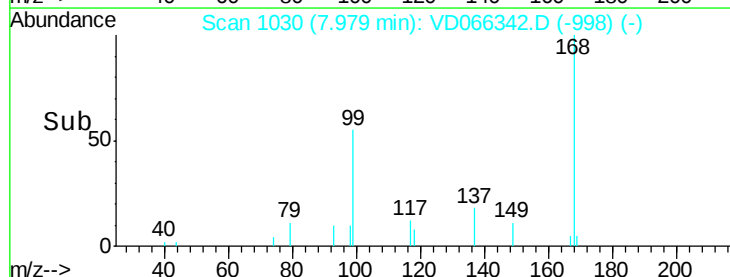
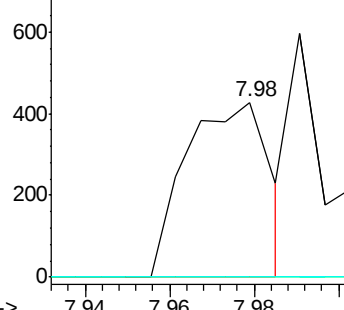
117 100

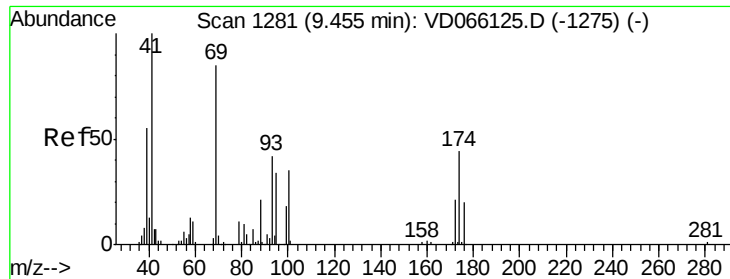
119 0.0 81.0 121.4#

121 0.0 24.8 37.2#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

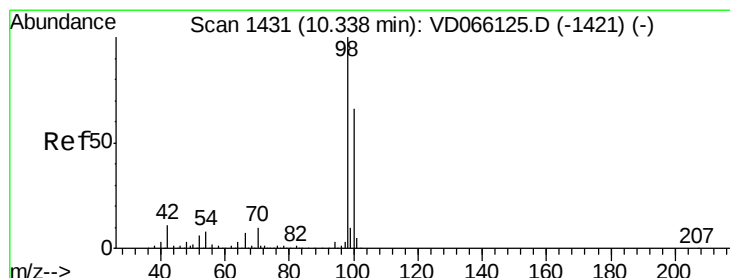
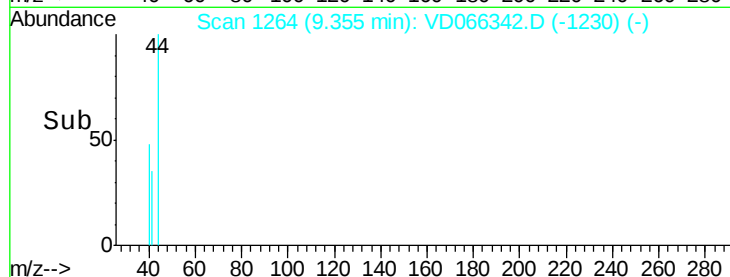
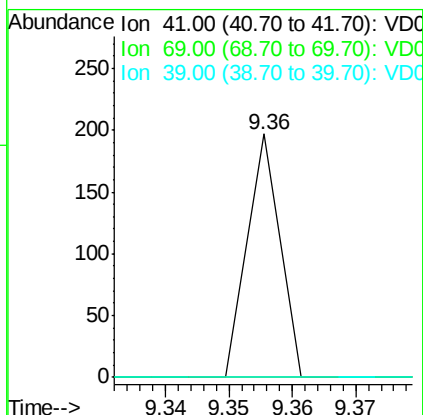
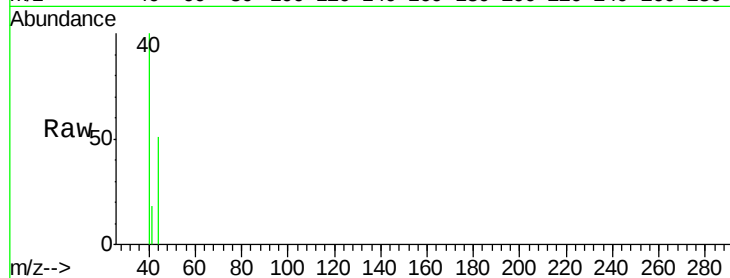




#48
Methvl methacrvlate
Concen: 1.207 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.10 min
Lab File: VD066342.D
Acq: 20 Aug 2020 04:07

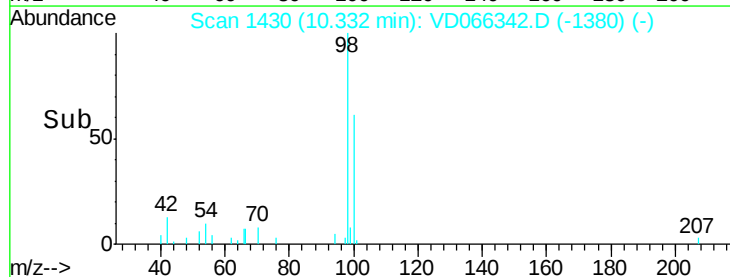
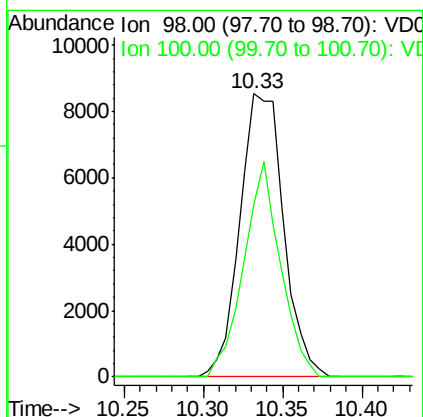
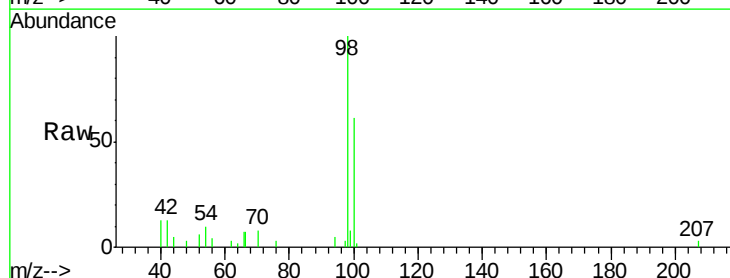
Instrument :
MSVOA_D
ClientSampleId :
AU-06-081720

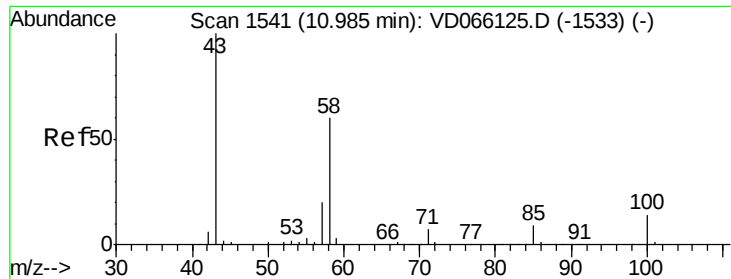
Tot Ion	Ratio	Lower	Upper
41	100		
69	0.0	63.9	95.9#
39	0.0	42.6	64.0#



#50
Toluene-d8
Concen: 45.958 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VD066342.D
Acq: 20 Aug 2020 04:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	52.6	78.8

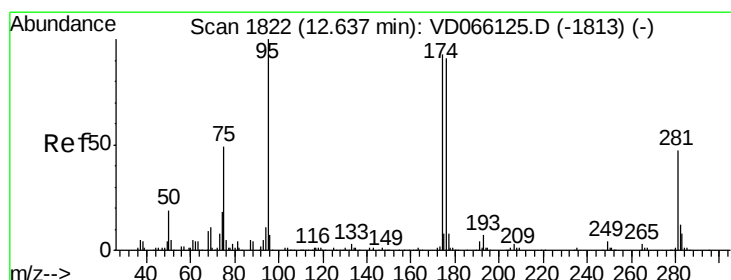
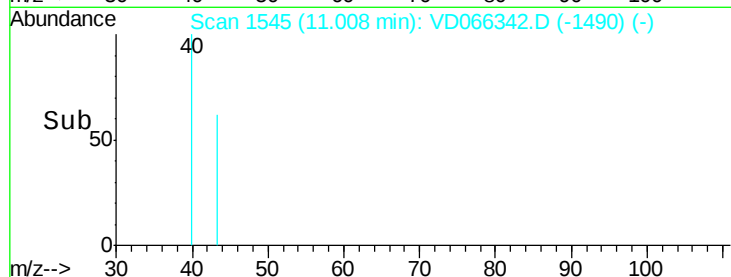
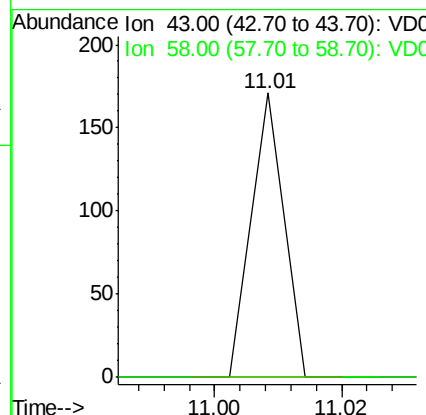
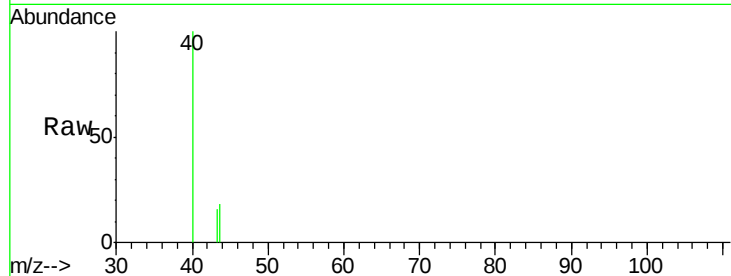




#59
2-Hexanone
Concen: 1.487 ug/l
RT: 11.01 min Scan# 1545
Delta R.T. 0.02 min
Lab File: VD066342.D
Acq: 20 Aug 2020 04:07

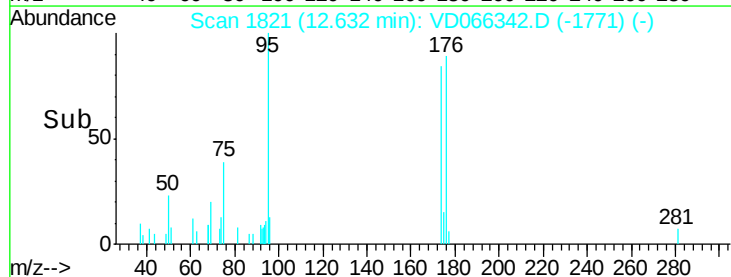
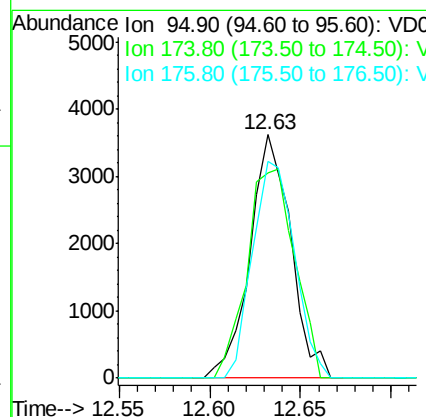
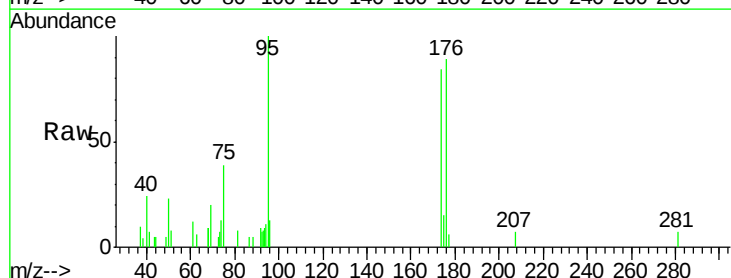
Instrument :
MSVOA_D
ClientSampleId :
AU-06-081720

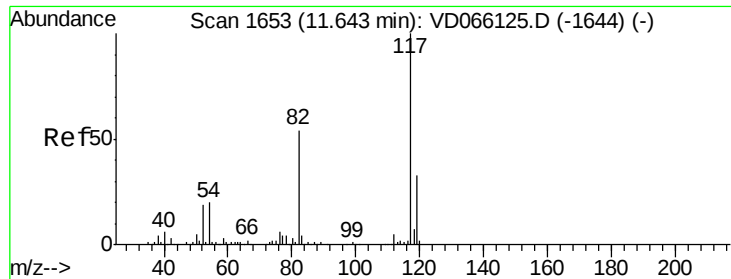
Tot Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
58 0.0 27.8 83.4#



#62
4-Bromofluorobenzene
Concen: 44.137 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD066342.D
Acq: 20 Aug 2020 04:07

Tgt Ion: 95 Resp: 5676
Ion Ratio Lower Upper
95 100
174 100.2 0.0 180.8
176 91.8 0.0 181.2

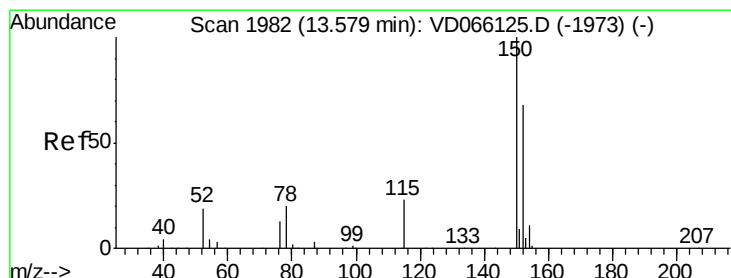
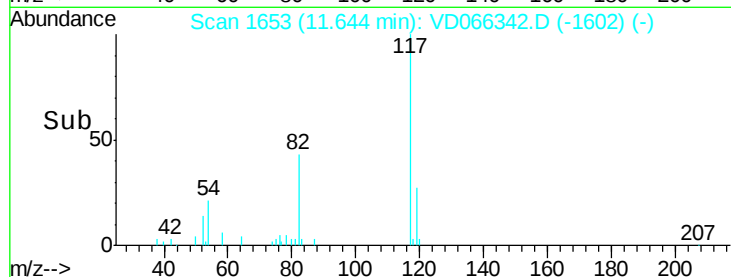
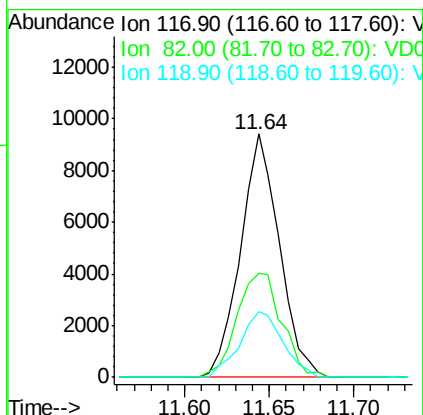
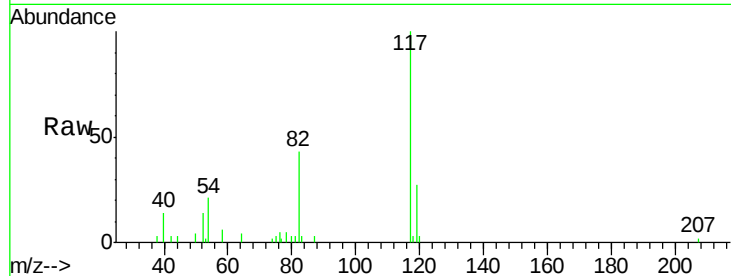




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066342.D
Acq: 20 Aug 2020 04:07

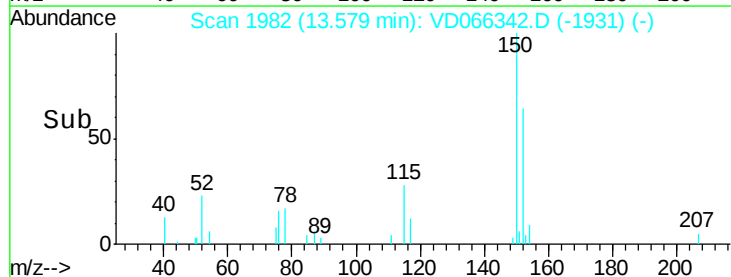
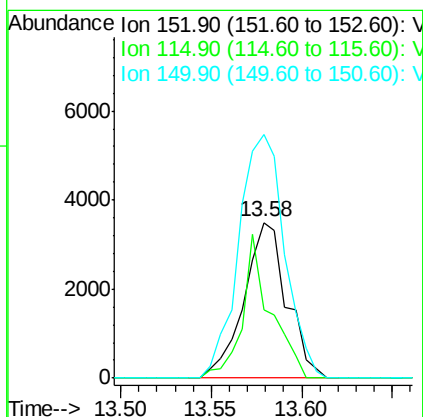
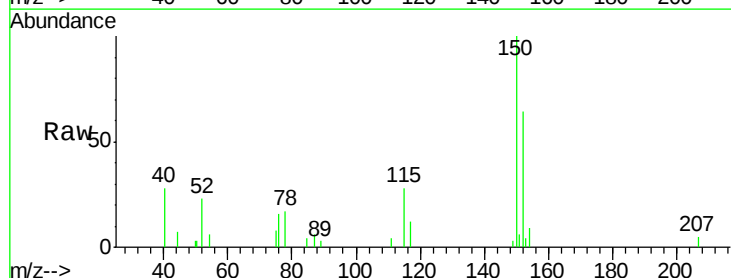
Instrument :
MSVOA_D
ClientSampleId :
AU-06-081720

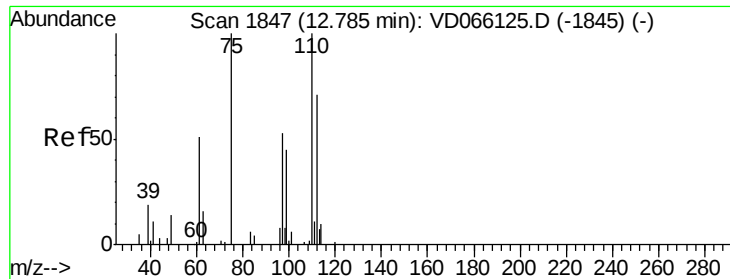
Tot Ion:117 Resp: 15106
Ion Ratio Lower Upper
117 100
82 42.8 43.0 64.4#
119 27.2 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066342.D
Acq: 20 Aug 2020 04:07

Tgt Ion:152 Resp: 5751
Ion Ratio Lower Upper
152 100
115 59.8 28.0 83.9
150 167.6 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 67.953 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066342.D

Acq: 20 Aug 2020 04:07

Instrument :

MSVOA_D

ClientSampleId :

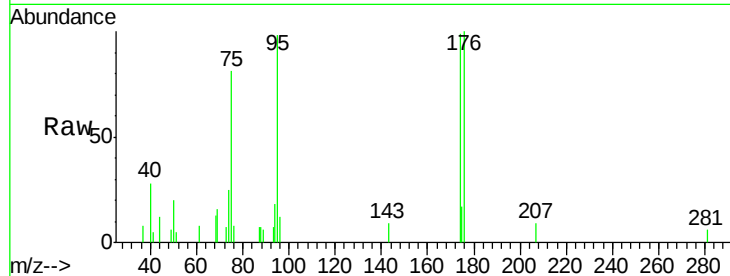
AU-06-081720

Tot Ion: 75 Resp: 3259

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.64

2500

2000

1500

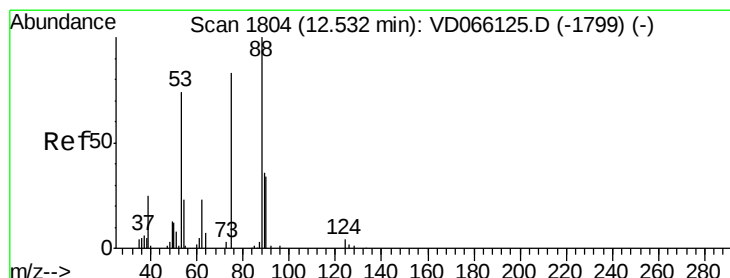
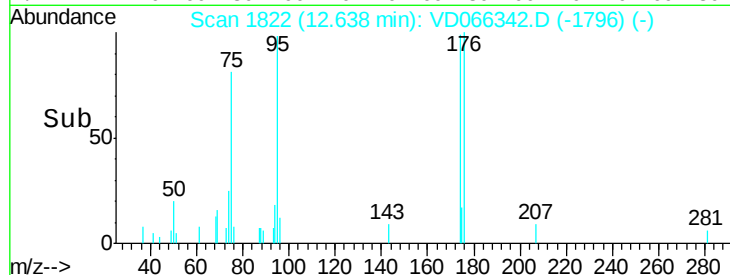
1000

500

0

Time-->

12.60 12.65



#81

trans-1,4-Dichloro-2-butene

Concen: 150.215 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066342.D

Acq: 20 Aug 2020 04:07

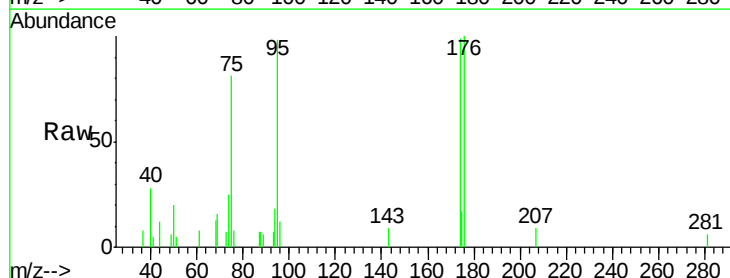
Tgt Ion: 75 Resp: 3259

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

89 1.9 36.6 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

12.64

3000

2000

1000

0

Time-->

12.60 12.65

