

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101620\
 Data File : VD067296.D
 Acq On : 16 Oct 2020 13:45
 Operator : VA/SY
 Sample : L4224-06
 Misc : 7.14G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-101520

Quant Time: Oct 17 00:39:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

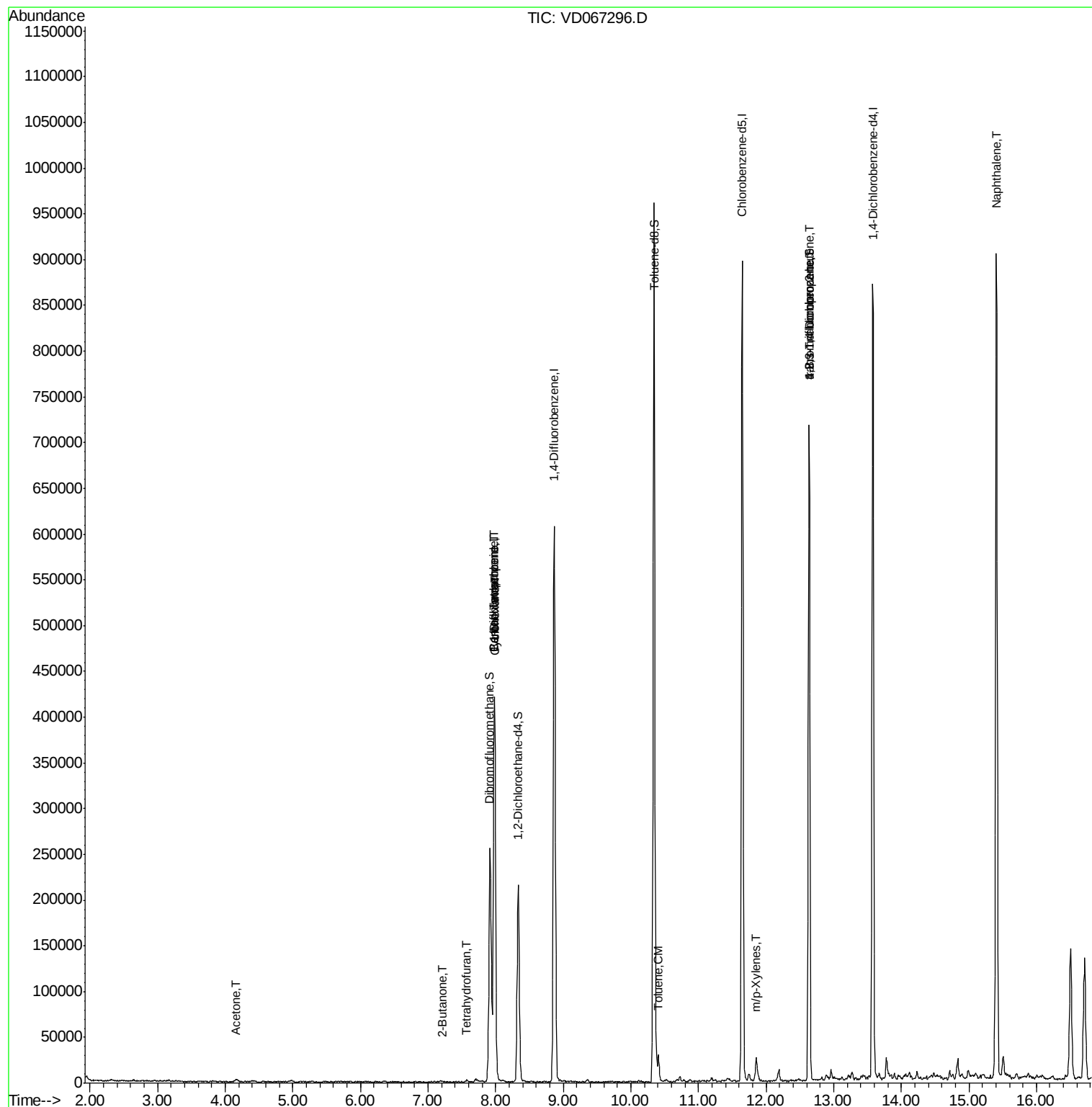
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	326224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	544375	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	531468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	245052	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	183917	56.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.54%	
35) Dibromofluoromethane	7.91	113	182500	50.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.76%	
50) Toluene-d8	10.34	98	645489	49.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.46%	
62) 4-Bromofluorobenzene	12.64	95	229909	50.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.86%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	566	Below Cal	#	44
5) Bromomethane	2.77	94	339	Below Cal		86
16) Acetone	4.16	43	5069	11.074	ug/l	94
20) Methylene Chloride	4.95	84	561	Below Cal	#	33
25) 2-Butanone	7.22	43	762	1.460	ug/l	# 45
29) Tetrahydrofuran	7.57	42	1083	3.734	ug/l	# 86
31) Cyclohexane	7.99	56	6454	1.715	ug/l	# 43
36) 1,1-Dichloropropene	7.98	75	23966	5.194	ug/l	# 49
38) Carbon Tetrachloride	7.98	117	32921	5.583	ug/l	# 16
52) Toluene	10.41	92	11625	1.348	ug/l	97
68) m/p-Xylenes	11.85	106	8177	1.215	ug/l	91
76) 1,2,3-Trichloropropane	12.64	75	118166	69.573	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.64	75	118166	157.771	ug/l	# 10
95) Naphthalene	15.41	128	816125	113.082	ug/l	99

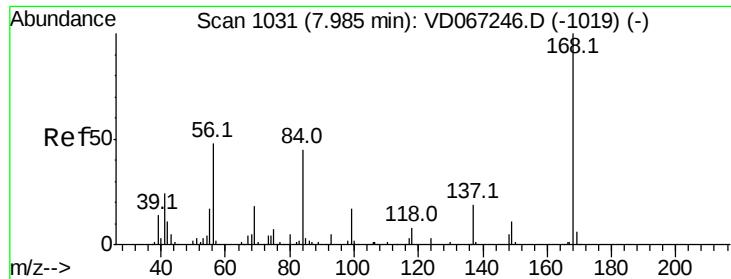
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101620\
Data File : VD067296.D
Acq On : 16 Oct 2020 13:45
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Quant Time: Oct 17 00:39:59 2020
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Quant Title : SW846 8260
QLast Update : Wed Oct 14 03:30:30 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067296.D

Acq: 16 Oct 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

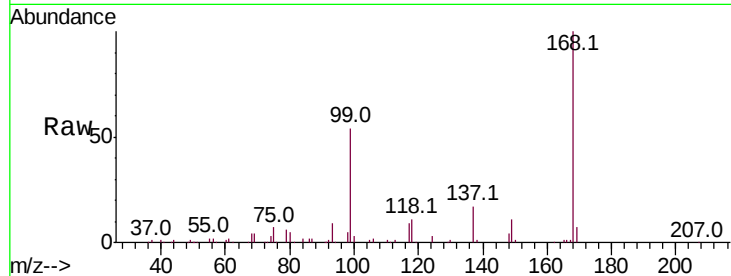
OR-03-101520

Tot Ion:168 Resp: 326224

Ion Ratio Lower Upper

168 100

99 54.1 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

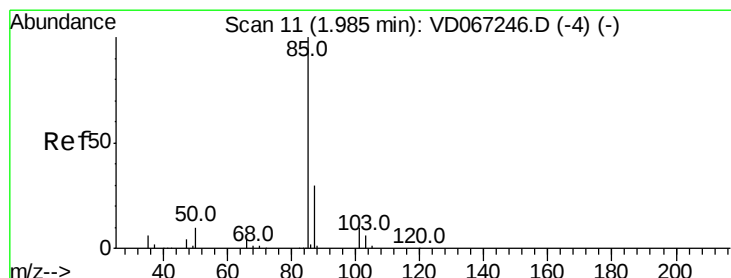
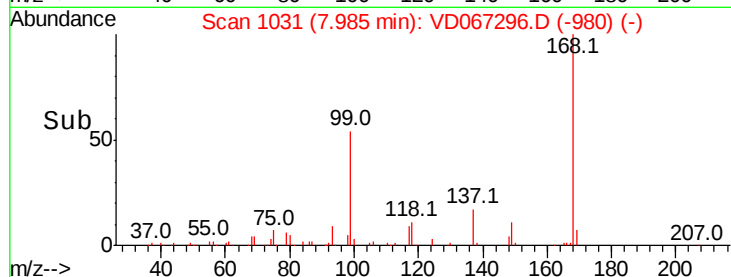
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067296.D

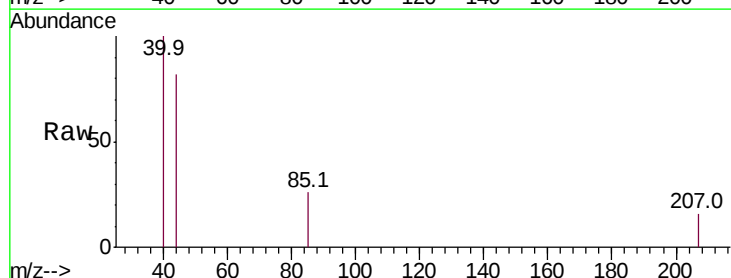
Acq: 16 Oct 2020 13:45

Tgt Ion: 85 Resp: 566

Ion Ratio Lower Upper

85 100

87 0.0 15.2 45.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

600

500

400

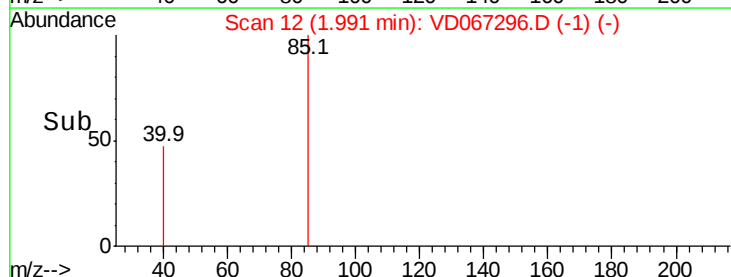
300

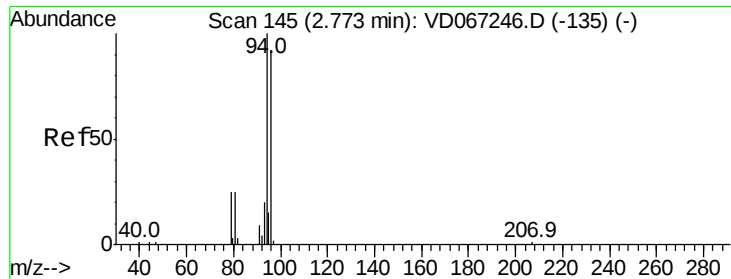
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067296.D

Acq: 16 Oct 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

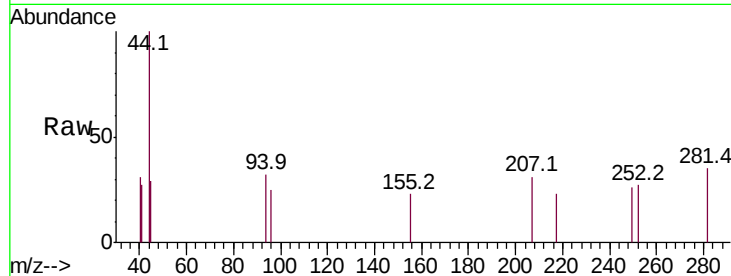
OR-03-101520

Tot Ion: 94 Resp: 339

Ion Ratio Lower Upper

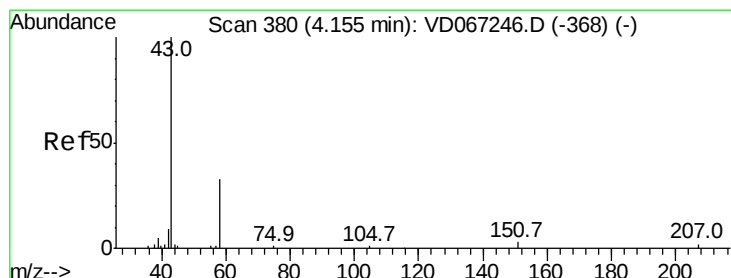
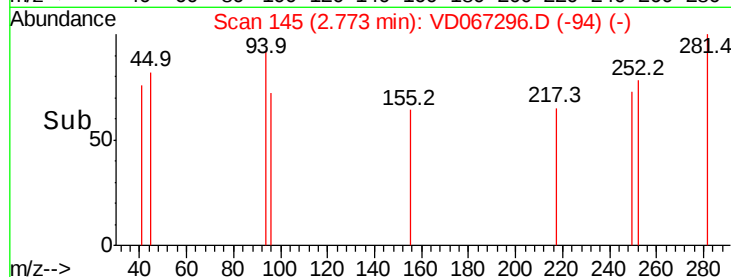
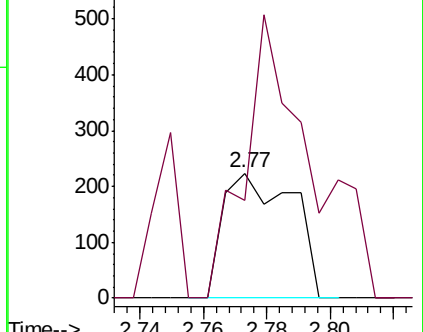
94 100

96 78.6 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#16

Acetone

Concen: 11.074 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067296.D

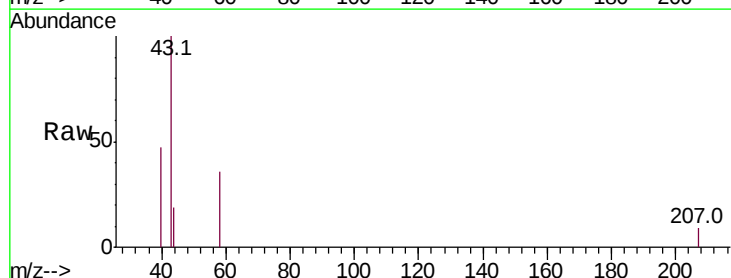
Acq: 16 Oct 2020 13:45

Tgt Ion: 43 Resp: 5069

Ion Ratio Lower Upper

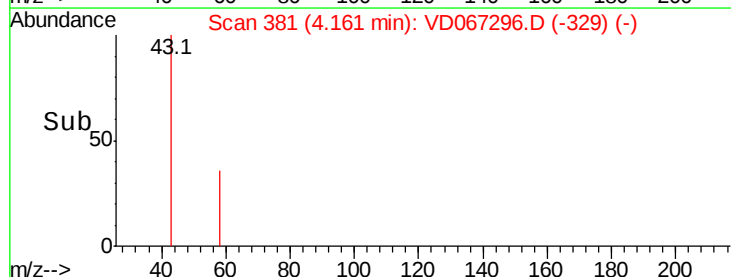
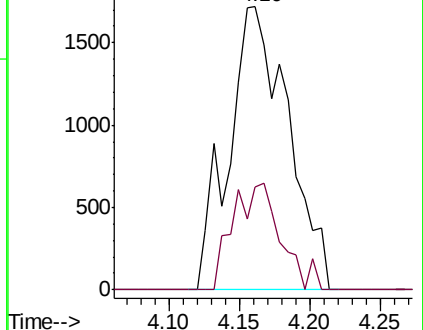
43 100

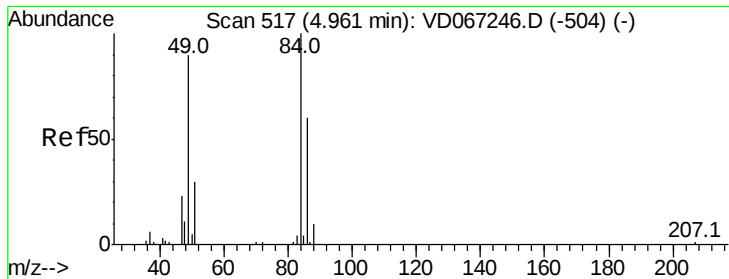
58 36.1 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

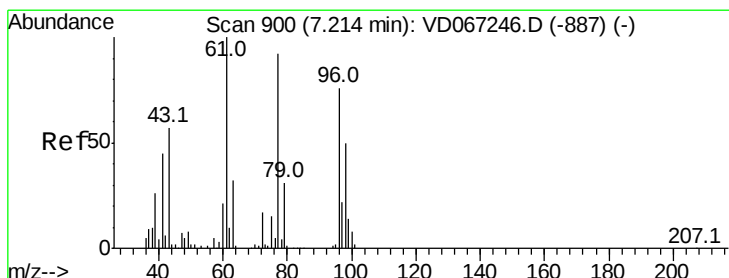
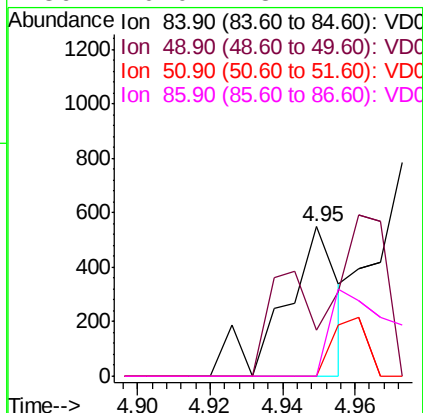
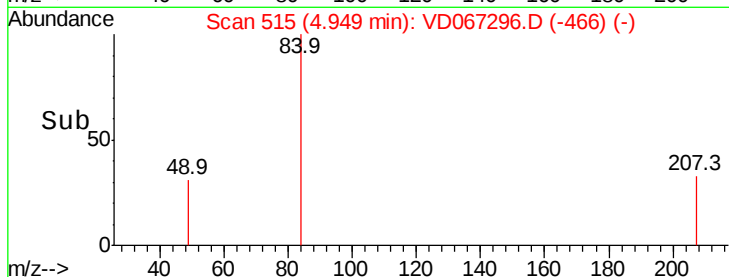
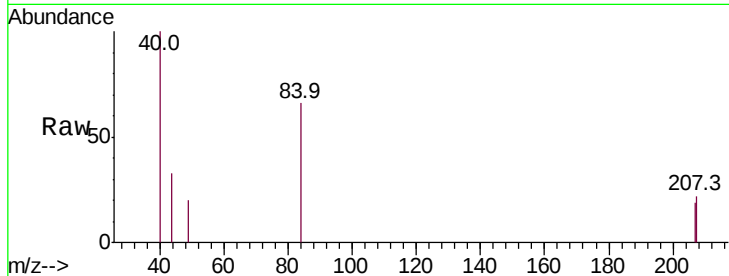




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.95 min Scan# 515
Delta R.T. -0.01 min
Lab File: VD067296.D
Acq: 16 Oct 2020 13:45

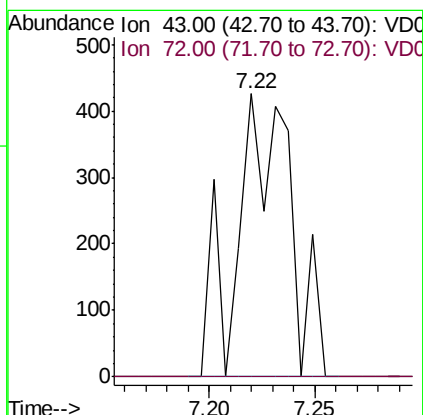
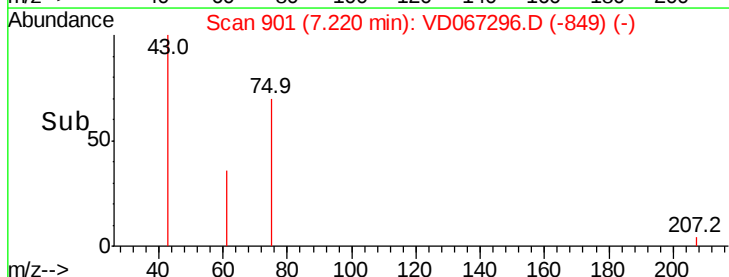
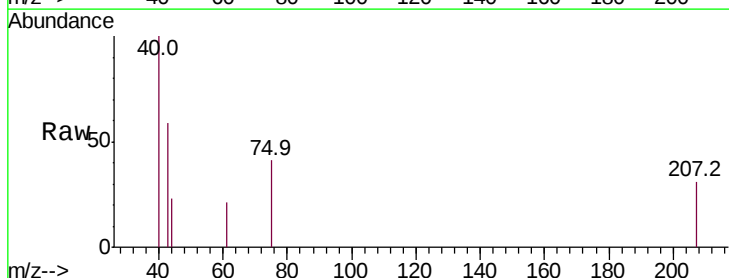
Instrument :
MSVOA_D
ClientSampleId :
OR-03-101520

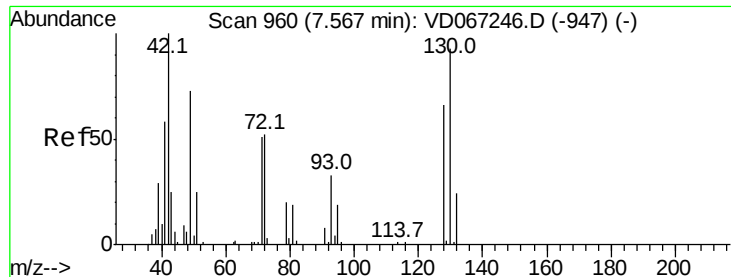
Tot Ion: 84 Resp: 561
Ion Ratio Lower Upper
84 100
49 30.9 72.2 108.2#
51 0.0 23.8 35.8#
86 0.0 48.2 72.4#



#25
2-Butanone
Concen: 1.460 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067296.D
Acq: 16 Oct 2020 13:45

Tgt Ion: 43 Resp: 762
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#





#29

Tetrahydrofuran

Concen: 3.734 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.01 min

Lab File: VD067296.D

Acq: 16 Oct 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

OR-03-101520

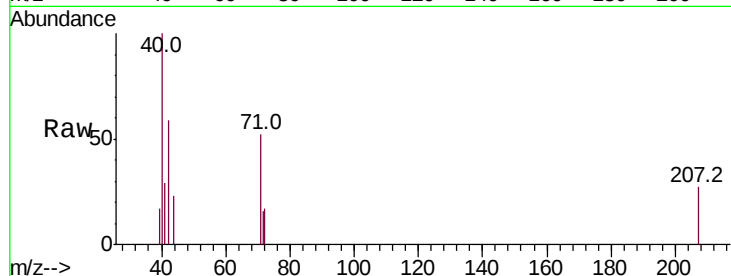
Tot Ion: 42 Resp: 1083

Ion Ratio Lower Upper

42 100

72 59.9 43.2 64.8

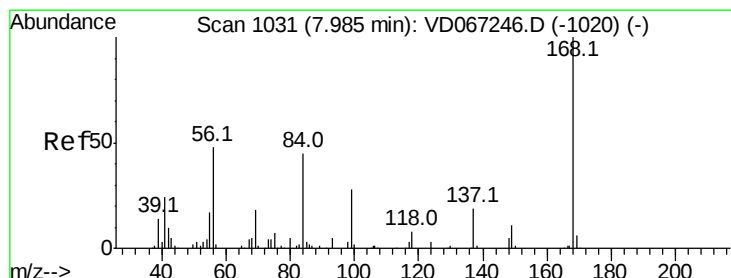
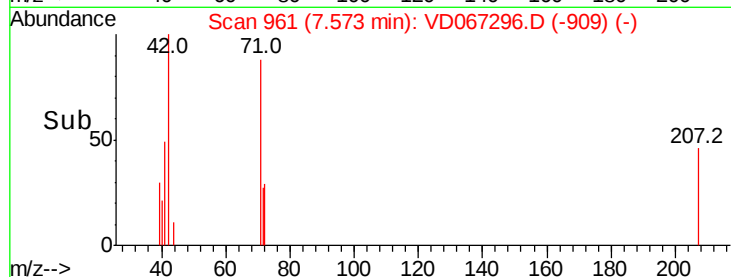
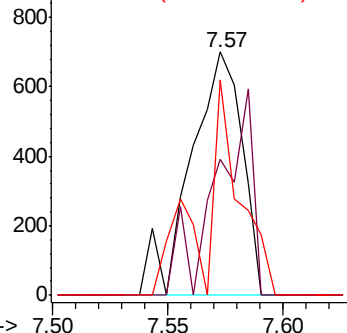
71 63.6 39.4 59.0#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 1.715 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD067296.D

Acq: 16 Oct 2020 13:45

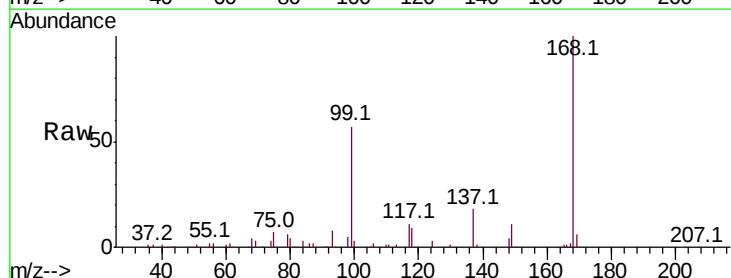
Tgt Ion: 56 Resp: 6454

Ion Ratio Lower Upper

56 100

69 127.4 29.8 44.6#

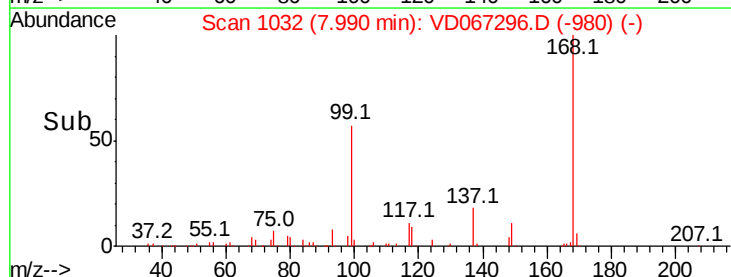
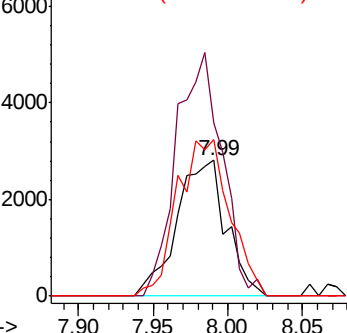
84 115.0 76.6 114.8#

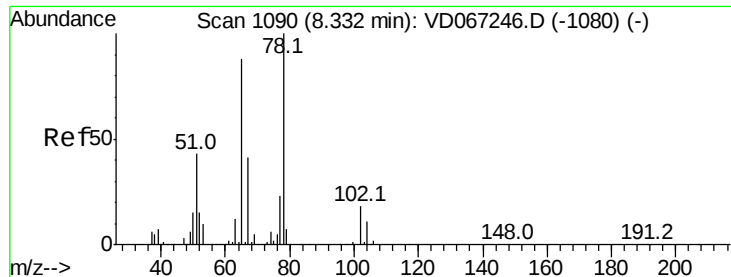


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

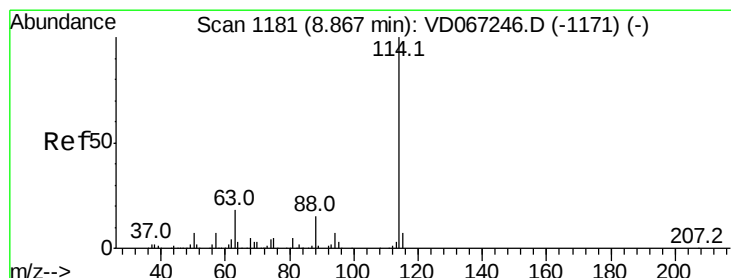
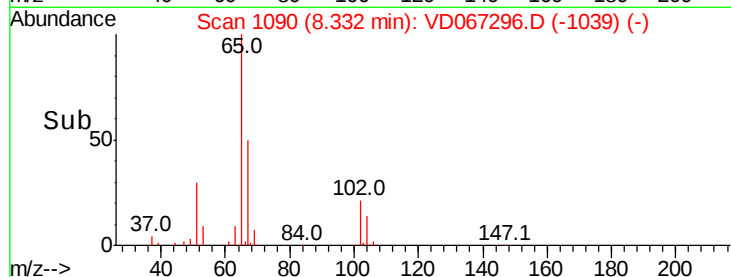
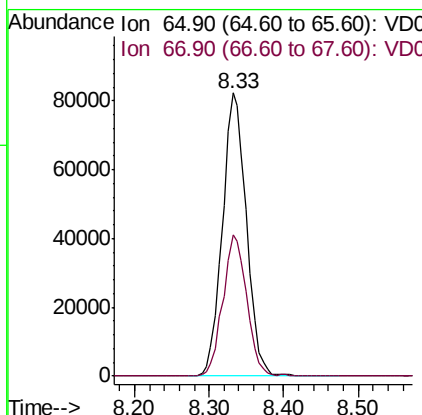
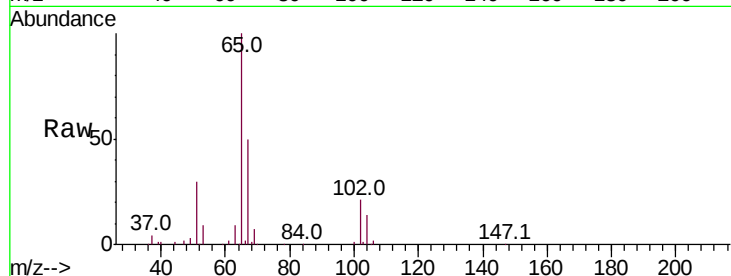




#33
 1,2-Dichloroethane-d4
 Concen: 56.273 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD067296.D
 Acq: 16 Oct 2020 13:45

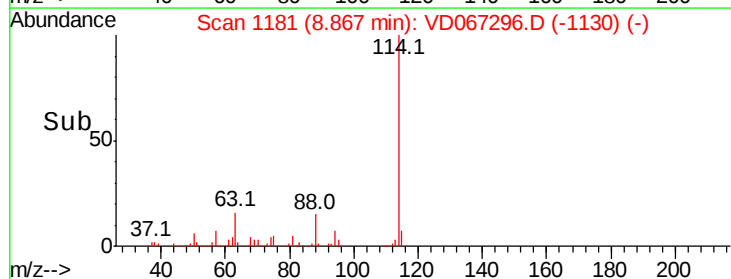
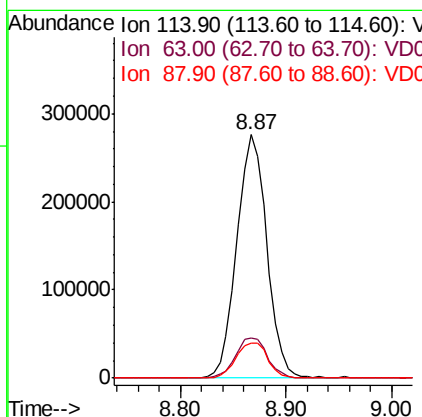
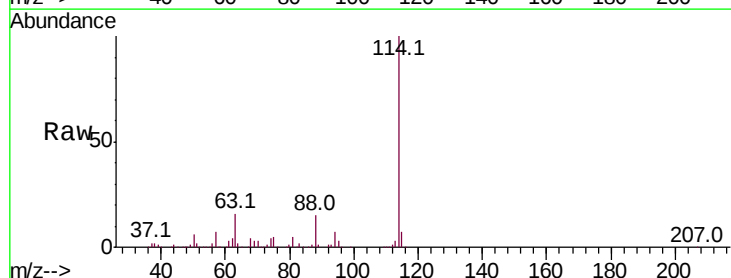
Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-101520

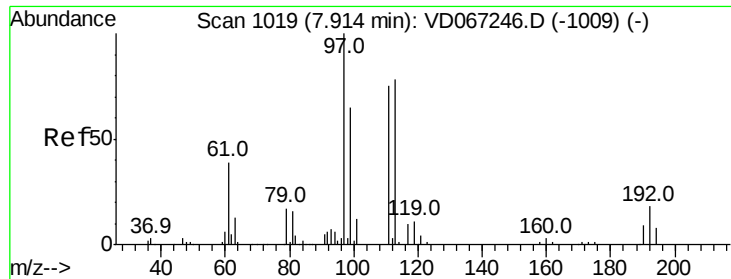
Tot Ion: 65 Resp: 183917
 Ion Ratio Lower Upper
 65 100
 67 49.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD067296.D
 Acq: 16 Oct 2020 13:45

Tgt Ion: 114 Resp: 544375
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 35.0
 88 14.6 0.0 30.6

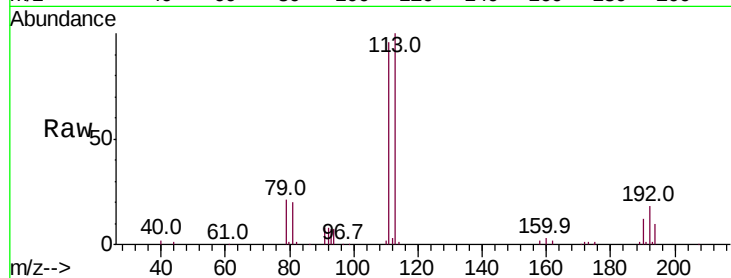




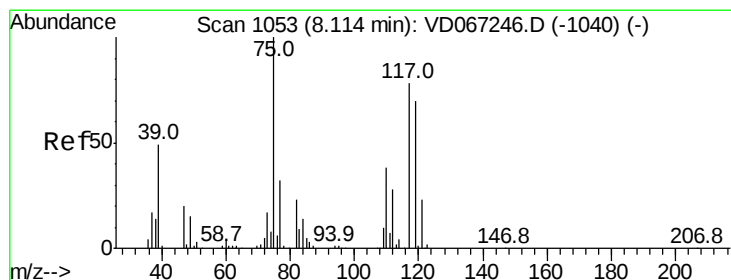
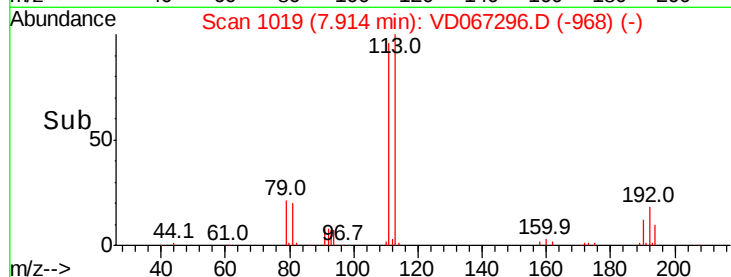
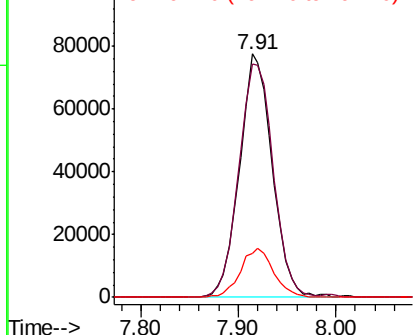
#35
Dibromofluoromethane
Concen: 50.375 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD067296.D
Acq: 16 Oct 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
OR-03-101520

Tot Ion:113 Resp: 182500
Ion Ratio Lower Upper
113 100
111 100.9 81.6 122.4
192 20.2 17.0 25.4

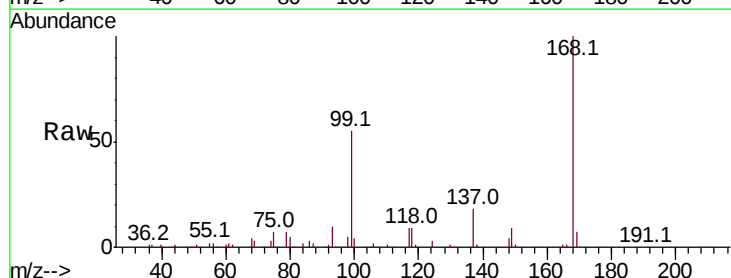


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

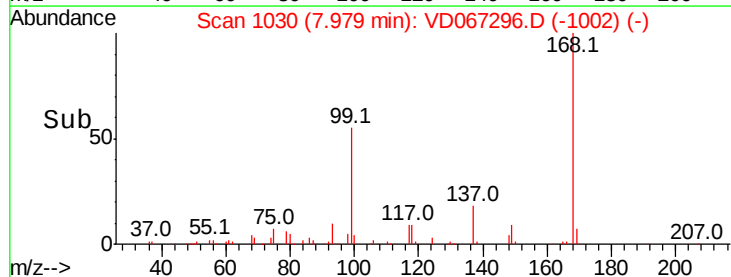
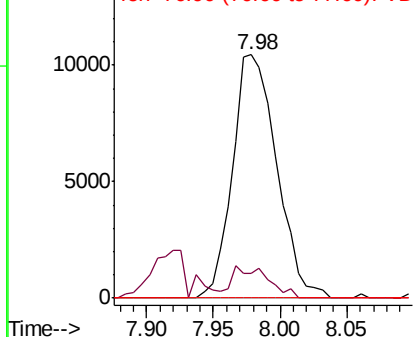


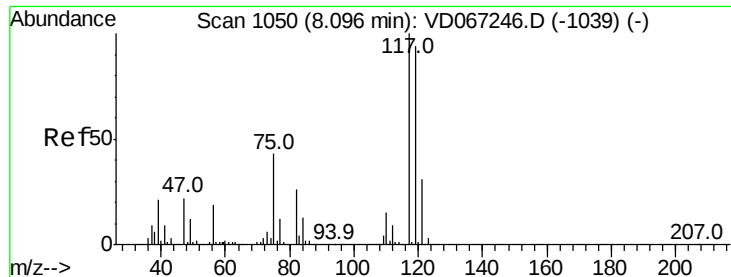
#36
1,1-Dichloropropene
Concen: 5.194 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.14 min
Lab File: VD067296.D
Acq: 16 Oct 2020 13:45

Tgt Ion: 75 Resp: 23966
Ion Ratio Lower Upper
75 100
110 10.6 19.6 58.7#
77 0.0 24.6 37.0#



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





#38

Carbon Tetrachloride

Concen: 5.583 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067296.D

Acq: 16 Oct 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

OR-03-101520

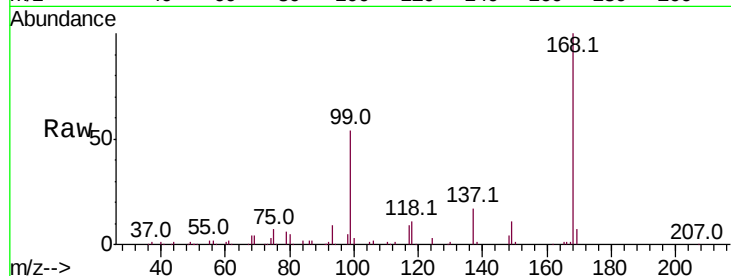
Tot Ion:117 Resp: 32921

Ion Ratio Lower Upper

117 100

119 4.1 75.0 112.4#

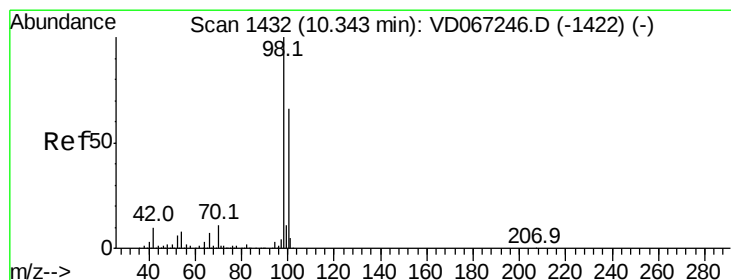
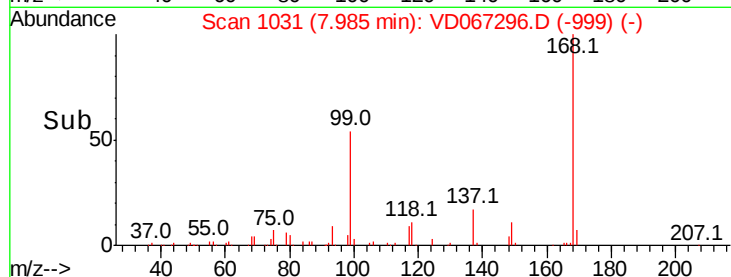
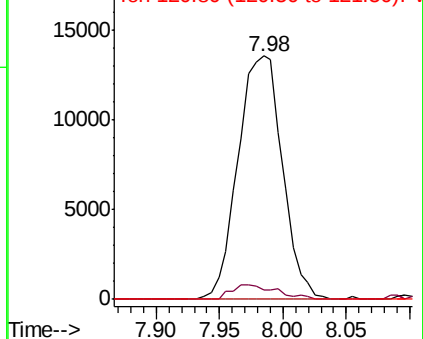
121 0.0 24.9 37.3#



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



#50

Toluene-d8

Concen: 49.234 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067296.D

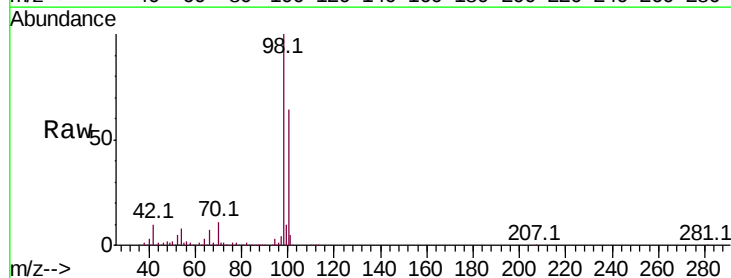
Acq: 16 Oct 2020 13:45

Tgt Ion: 98 Resp: 645489

Ion Ratio Lower Upper

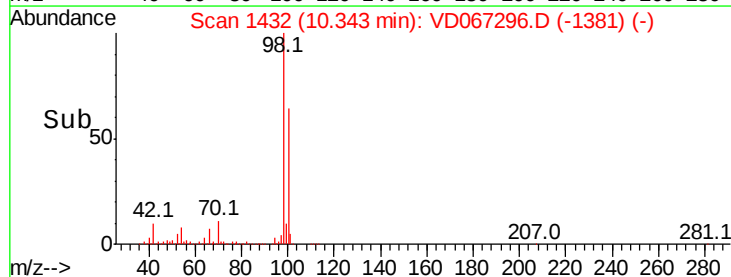
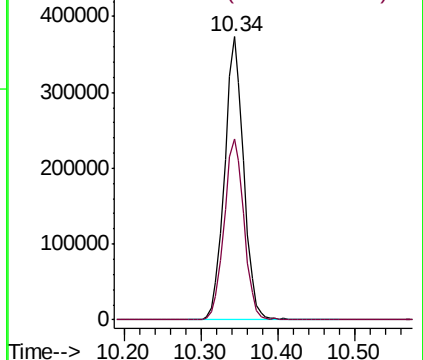
98 100

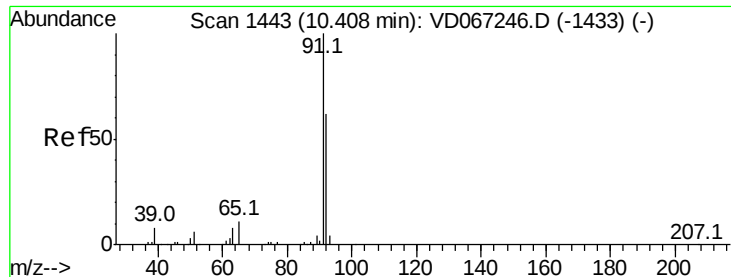
100 66.3 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 1.348 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067296.D

Acq: 16 Oct 2020 13:45

Instrument :

MSVOA_D

ClientSampleId :

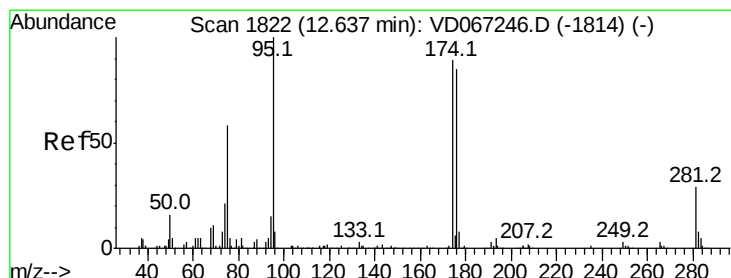
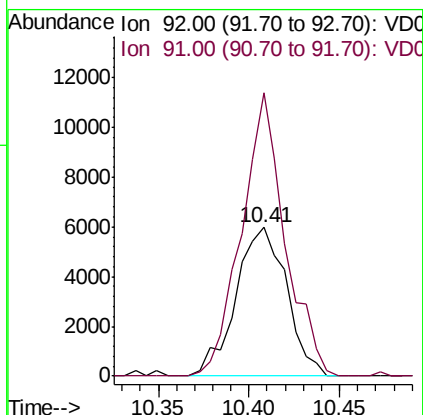
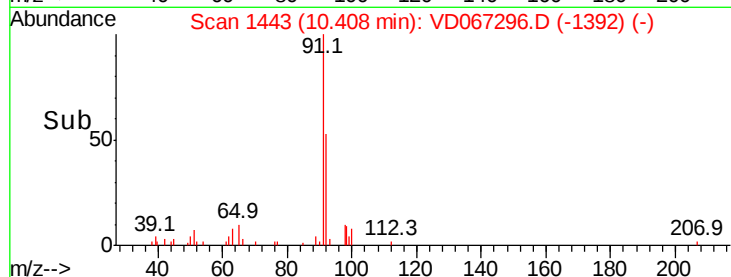
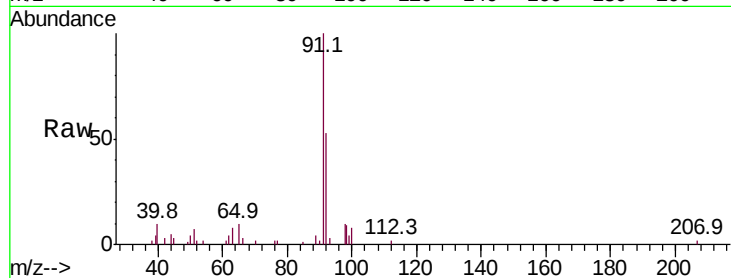
OR-03-101520

Tot Ion: 92 Resp: 11625

Ion Ratio Lower Upper

92 100

91 163.6 133.8 200.8



#62

4-Bromofluorobenzene

Concen: 50.431 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067296.D

Acq: 16 Oct 2020 13:45

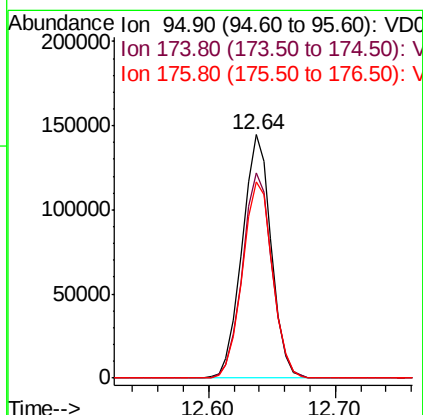
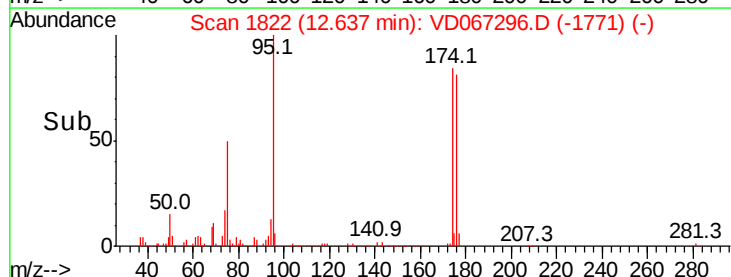
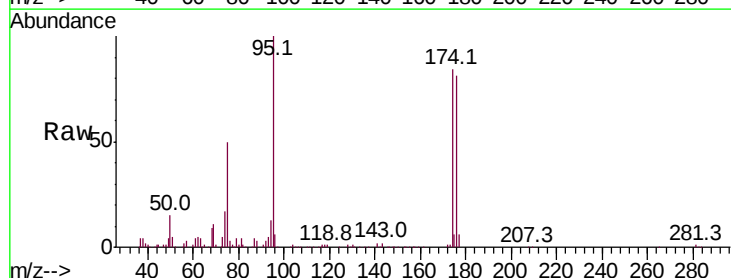
Tgt Ion: 95 Resp: 229909

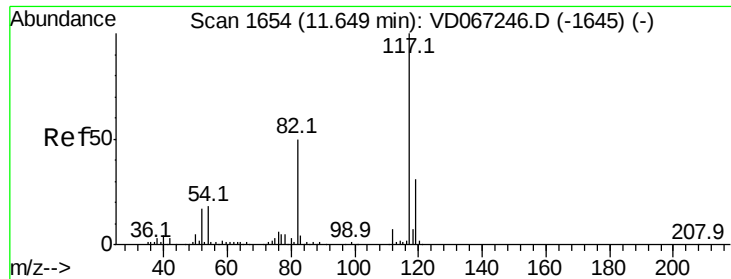
Ion Ratio Lower Upper

95 100

174 85.9 0.0 175.2

176 83.4 0.0 168.6

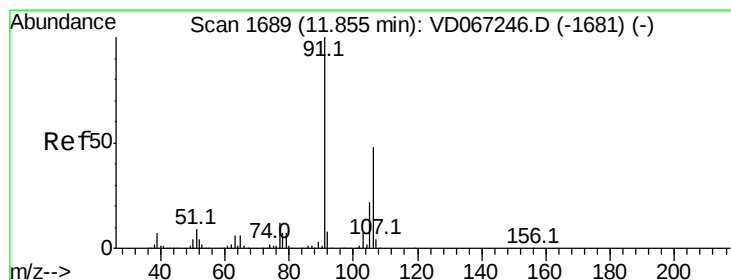
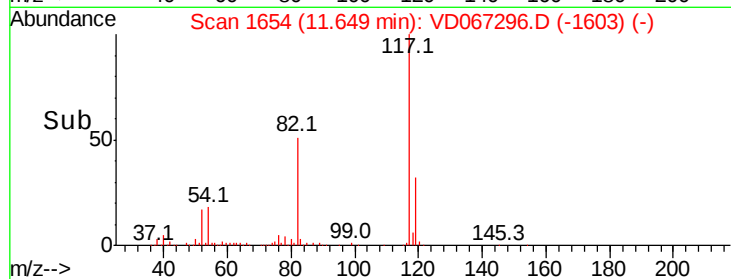
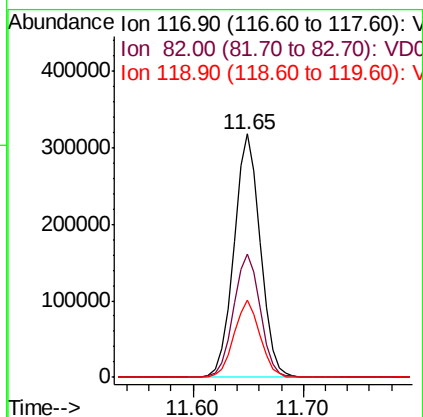
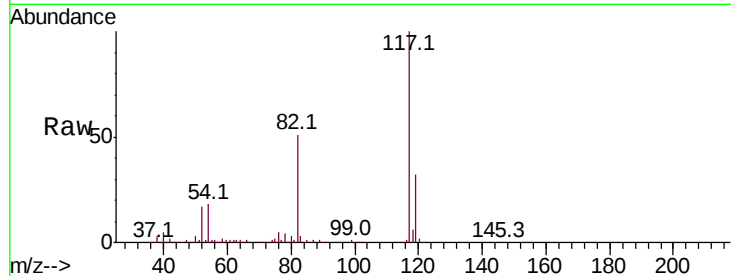




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067296.D
Acq: 16 Oct 2020 13:45

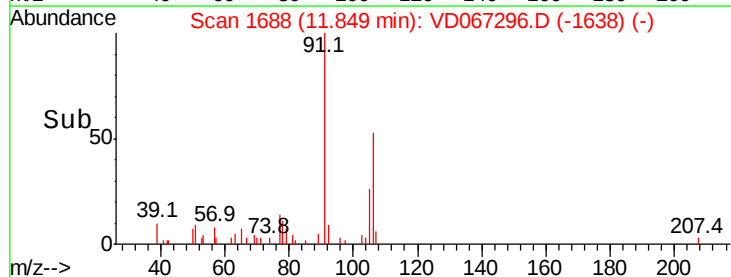
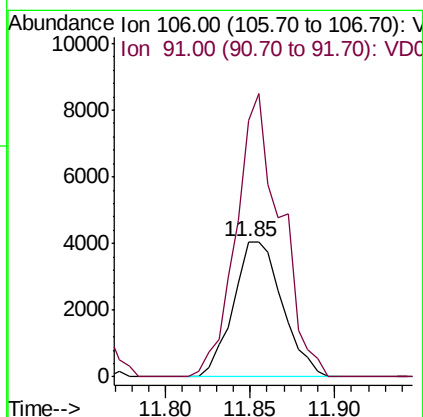
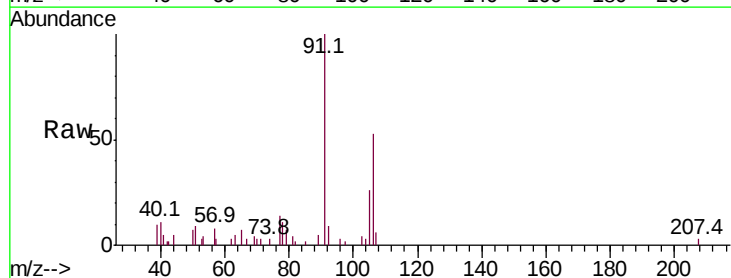
Instrument :
MSVOA_D
ClientSampleId :
OR-03-101520

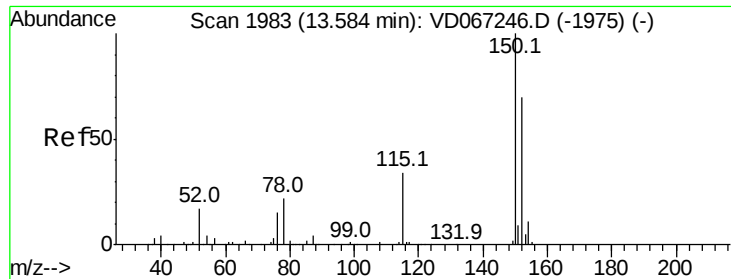
Tot Ion:117 Resp: 531468
Ion Ratio Lower Upper
117 100
82 50.8 39.9 59.9
119 31.8 24.9 37.3



#68
m/p-Xylenes
Concen: 1.215 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD067296.D
Acq: 16 Oct 2020 13:45

Tgt Ion:106 Resp: 8177
Ion Ratio Lower Upper
106 100
91 190.4 163.8 245.8



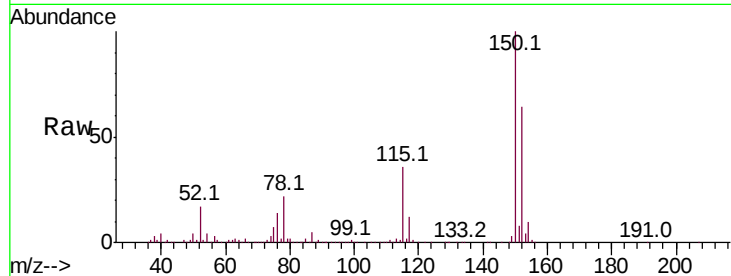


#72

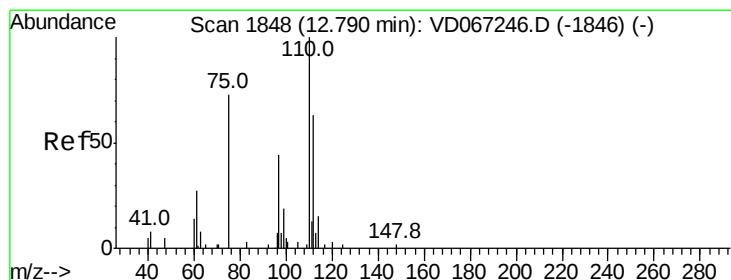
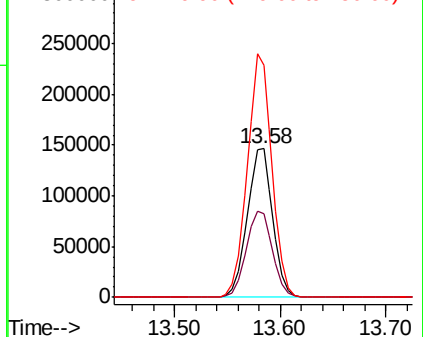
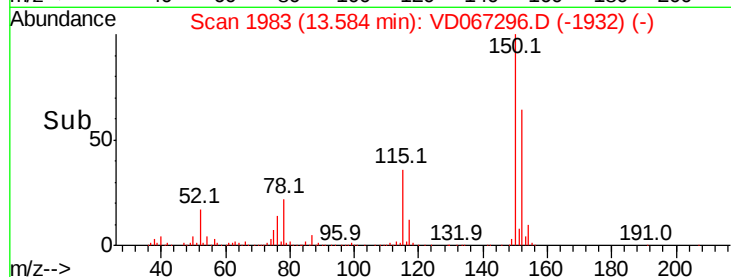
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD067296.D
Acq: 16 Oct 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
OR-03-101520

Tot Ion:152 Resp: 245052
Ion Ratio Lower Upper
152 100
115 59.8 29.3 87.9
150 158.3 0.0 339.0



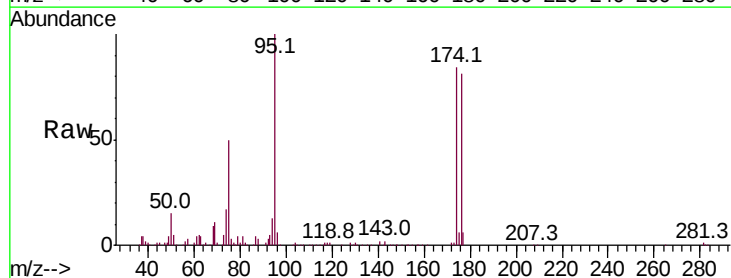
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



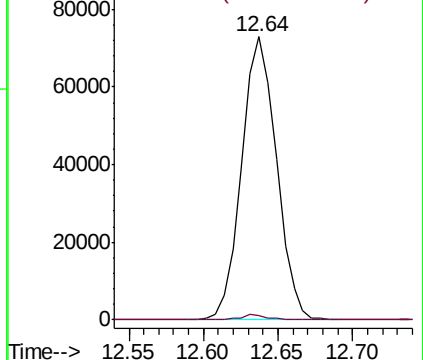
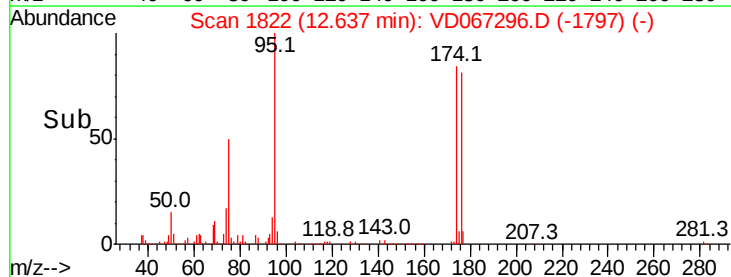
#76

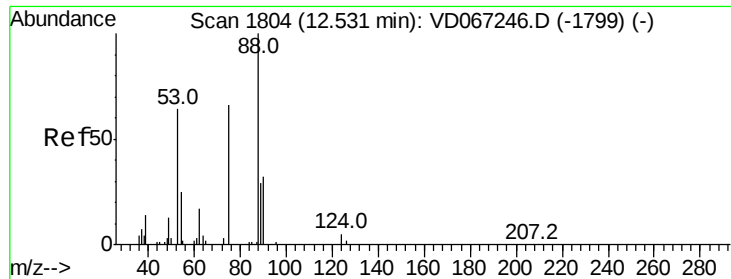
1,2,3-Trichloropropane
Concen: 69.573 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD067296.D
Acq: 16 Oct 2020 13:45

Tgt Ion: 75 Resp: 118166
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC

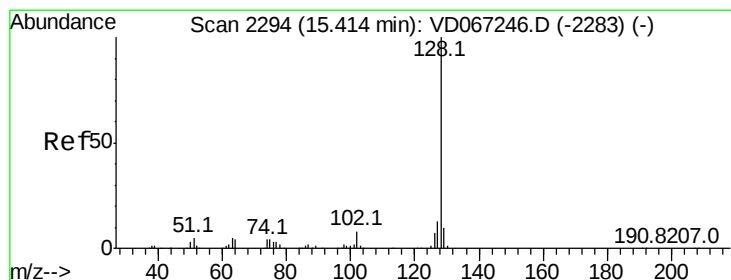
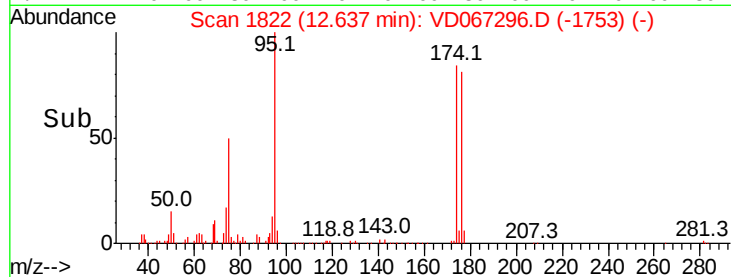
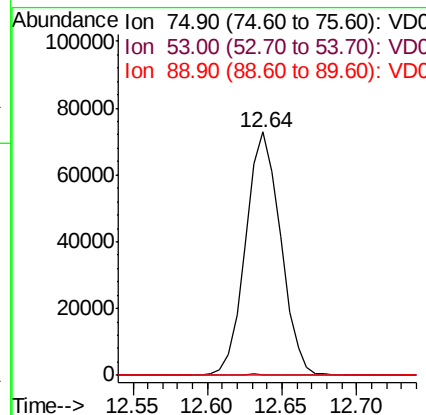
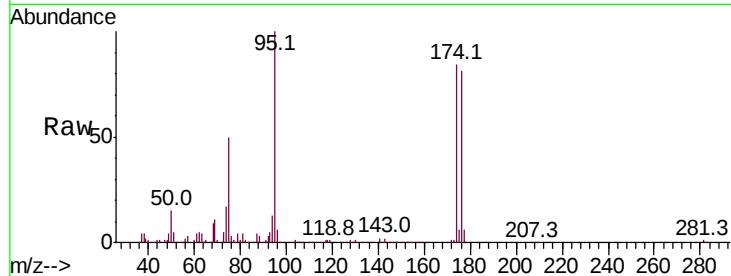




#81
trans-1,4-Dichloro-2-butene
Concen: 157.771 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.11 min
Lab File: VD067296.D
Acq: 16 Oct 2020 13:45

Instrument :
MSVOA_D
ClientSampleId :
OR-03-101520

Tot Ion: 75 Resp: 118166
Ion Ratio Lower Upper
75 100
53 0.1 78.5 117.7#
89 0.2 39.9 59.9#



#95
Naphthalene
Concen: 113.082 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067296.D
Acq: 16 Oct 2020 13:45

Tgt Ion: 128 Resp: 816125
Ion Ratio Lower Upper
128 100
127 12.6 10.4 15.6
129 10.9 8.6 12.8

