

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091420\
 Data File : VD066676.D
 Acq On : 14 Sep 2020 16:32
 Operator : VA/SY
 Sample : L3928-02
 Misc : 6.96G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 15 01:26:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	436663	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	794155	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	766942	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	358023	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	286743	54.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.54%	
35) Dibromofluoromethane	7.91	113	272122	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
50) Toluene-d8	10.34	98	972712	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
62) 4-Bromofluorobenzene	12.63	95	369771	58.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.48%	

Target Compounds

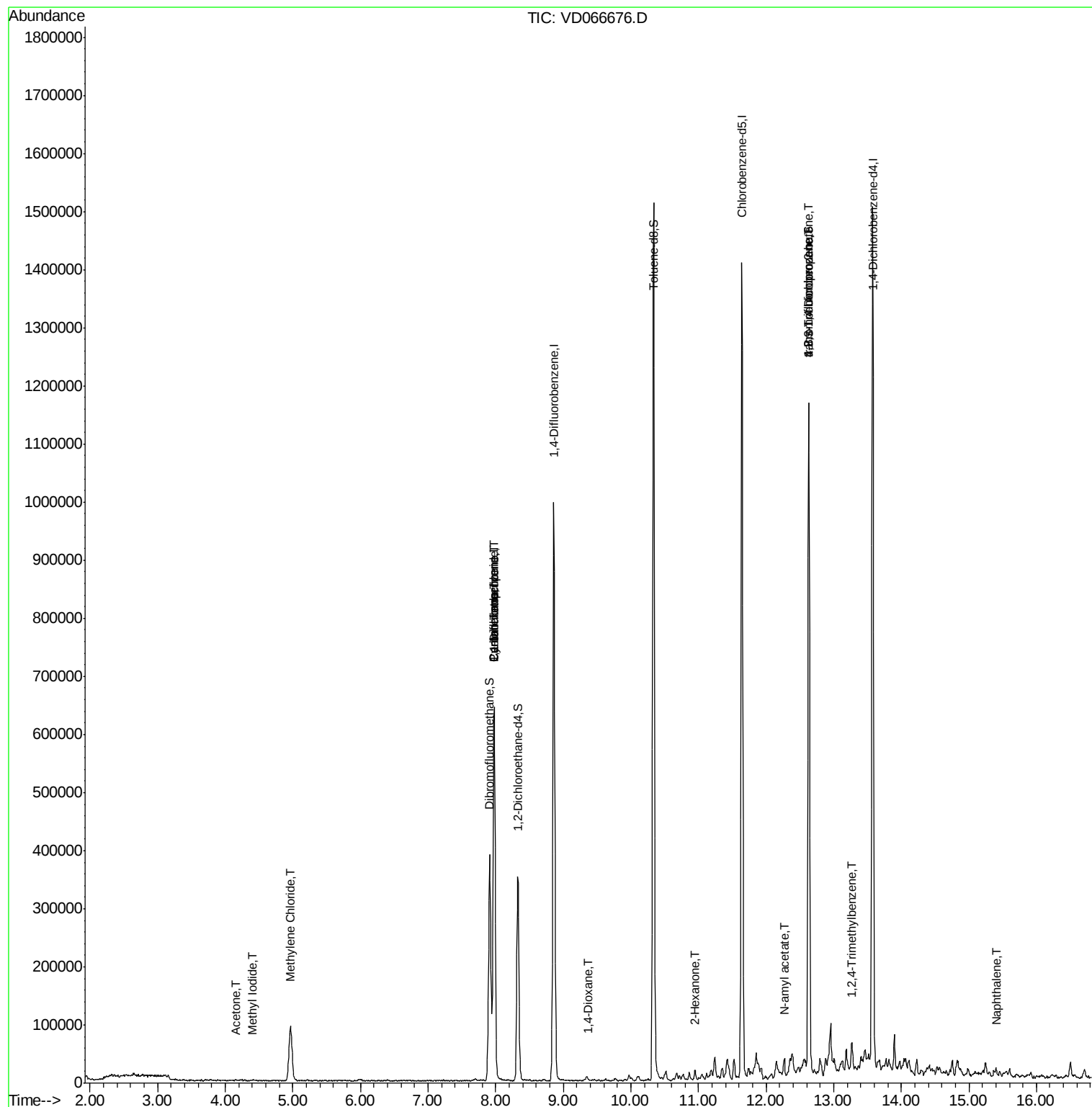
					Qvalue
2) Dichlorodifluoromethane	1.98	85	133	Below Cal	# 46
5) Bromomethane	2.77	94	763	Below Cal	# 49
10) Methyl Iodide	4.41	142	54	4.034	ug/l # 35
16) Acetone	4.16	43	1383	1.423	ug/l 91
20) Methylene Chloride	4.97	84	73428	8.347	ug/l 96
31) Cyclohexane	7.98	56	12305	1.428	ug/l # 19
36) 1,1-Dichloropropene	7.98	75	39838	4.820	ug/l # 52
38) Carbon Tetrachloride	7.97	117	51595	5.906	ug/l # 18
49) 1,4-Dioxane	9.37	88	117	3.396	ug/l # 23
59) 2-Hexanone	10.94	43	6680	3.123	ug/l # 28
74) N-amyl acetate	12.26	43	6447	1.074	ug/l # 75
76) 1,2,3-Trichloropropane	12.63	75	208150	60.452	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.63	75	208150	141.134	ug/l # 7
84) 1,2,4-Trimethylbenzene	13.27	105	25874	1.165	ug/l 96
95) Naphthalene	15.41	128	10873	1.011	ug/l # 91

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

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Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066676.D

Acq: 14 Sep 2020 16:32

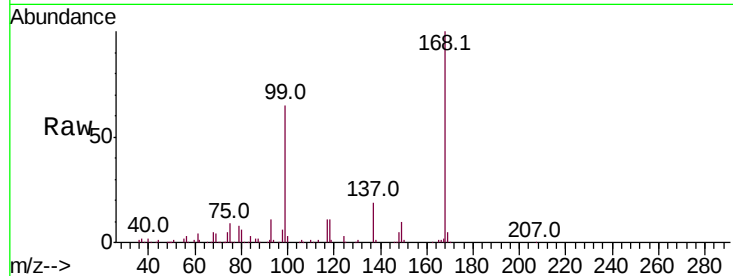
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 436663

Ion Ratio Lower Upper

168 100

99 65.4 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

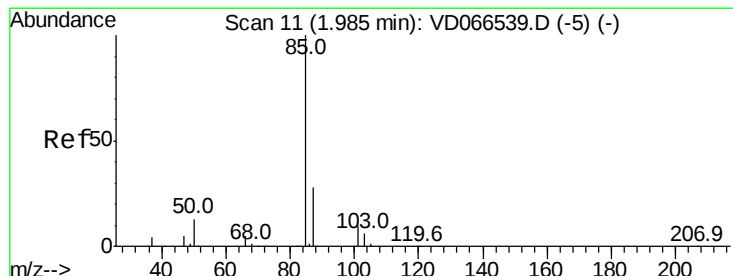
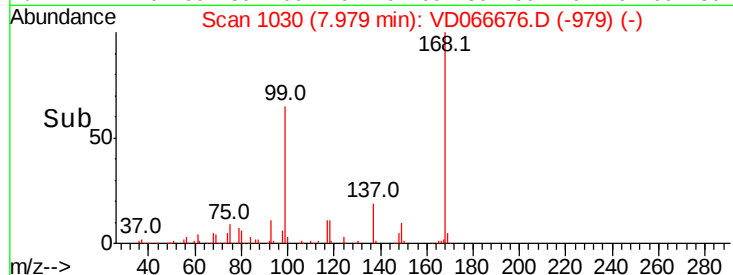
150000

100000

50000

0

Time--> 7.85 7.90 7.95 8.00 8.05



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 10

Delta R.T. -0.01 min

Lab File: VD066676.D

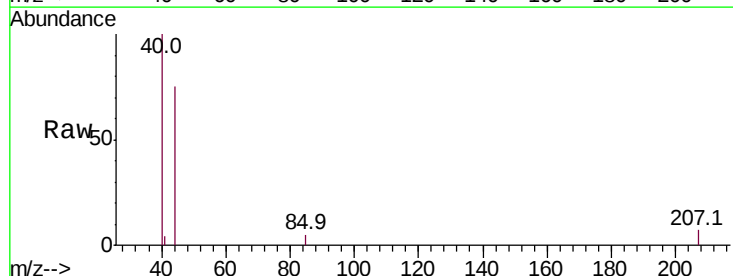
Acq: 14 Sep 2020 16:32

Tgt Ion: 85 Resp: 133

Ion Ratio Lower Upper

85 100

87 0.0 14.2 42.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.98

200

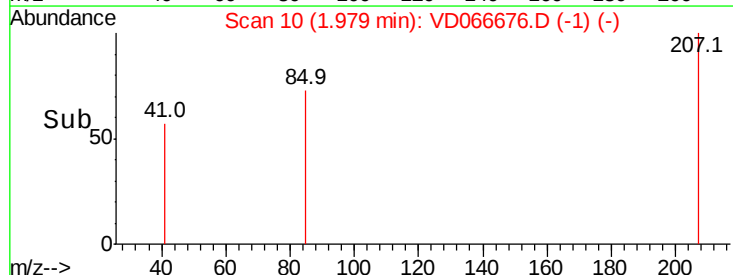
150

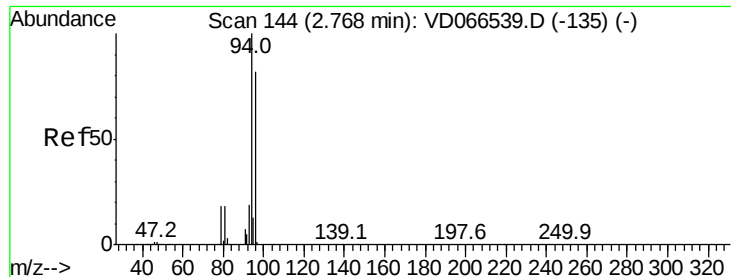
100

50

0

Time--> 1.96 1.98 2.00





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD066676.D

Acq: 14 Sep 2020 16:32

Instrument :

MSVOA_D

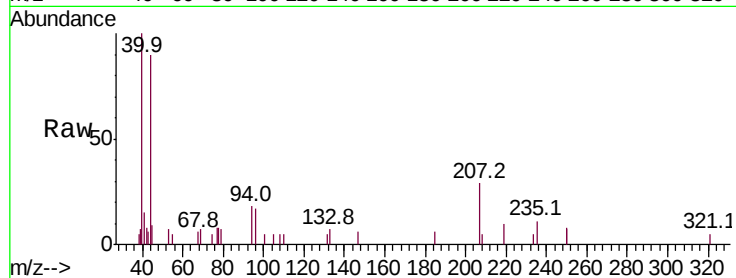
ClientSampleId :

Tot Ion: 94 Resp: 763

Ion Ratio Lower Upper

94 100

96 36.3 65.2 97.8#



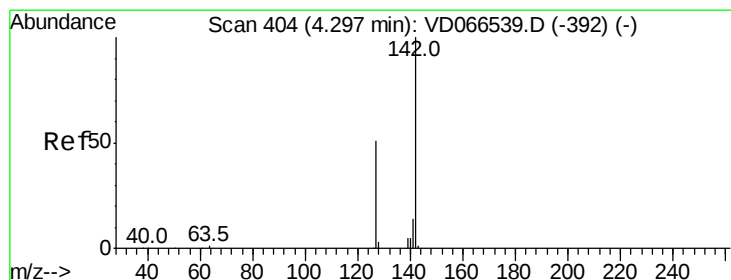
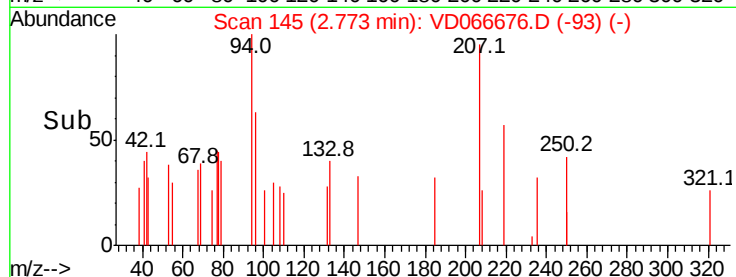
Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

2.75 2.80

Time-->



#10

Methyl Iodide

Concen: 4.034 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.11 min

Lab File: VD066676.D

Acq: 14 Sep 2020 16:32

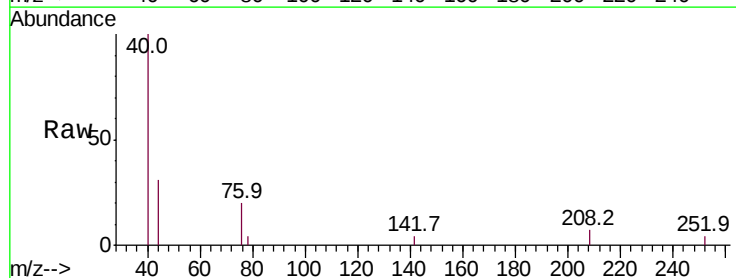
Tgt Ion:142 Resp: 54

Ion Ratio Lower Upper

142 100

127 0.0 40.6 61.0#

141 0.0 12.2 18.4#



Abundance Ion 141.80 (141.50 to 142.50): V

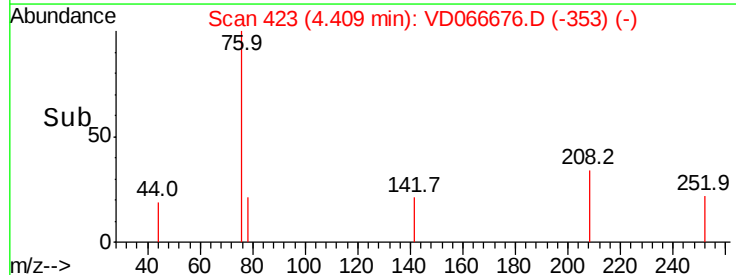
Ion 126.80 (126.50 to 127.50): V

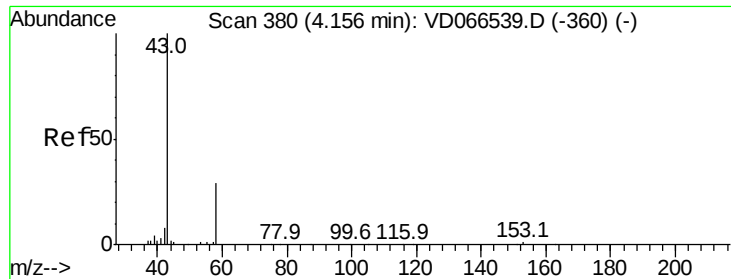
Ion 140.80 (140.50 to 141.50): V

4.41

4.39 4.40 4.41 4.42

Time-->





#16

Acetone

Concen: 1.423 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066676.D

Acq: 14 Sep 2020 16:32

Instrument :

MSVOA_D

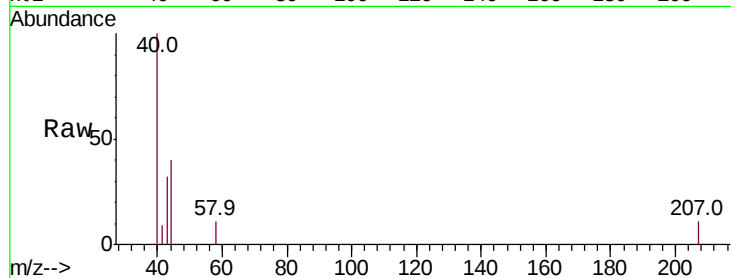
ClientSampleId :

Tot Ion: 43 Resp: 1383

Ion Ratio Lower Upper

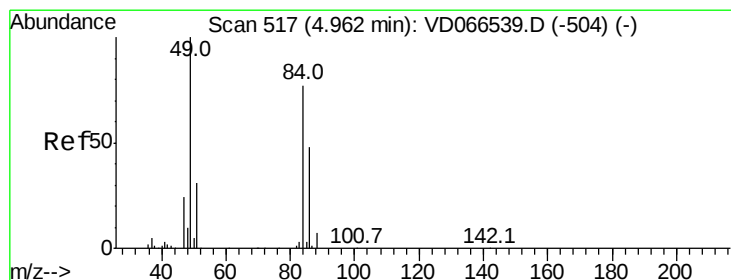
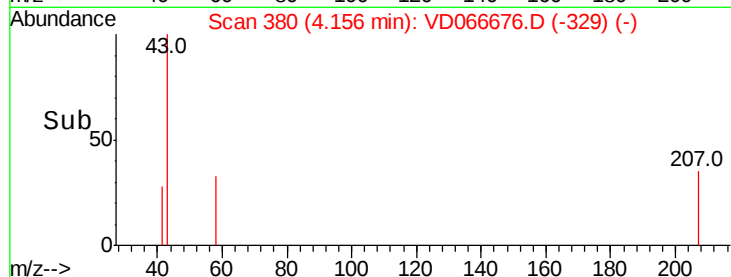
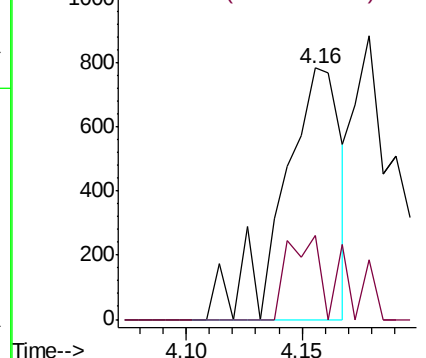
43 100

58 33.2 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 8.347 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD066676.D

Acq: 14 Sep 2020 16:32

Tgt Ion: 84 Resp: 73428

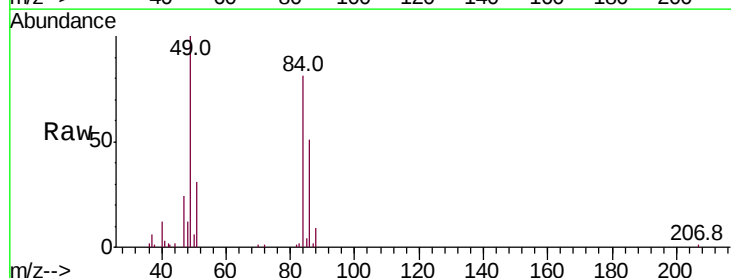
Ion Ratio Lower Upper

84 100

49 123.6 104.3 156.5

51 38.5 32.2 48.4

86 62.5 50.0 75.0

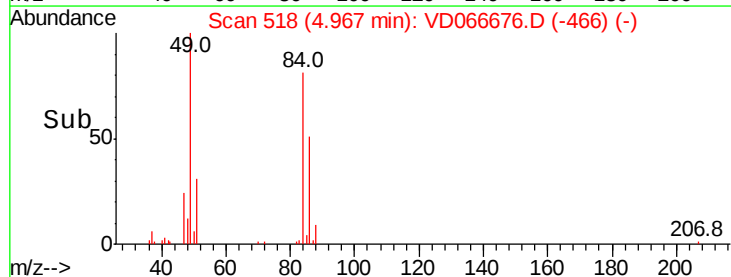
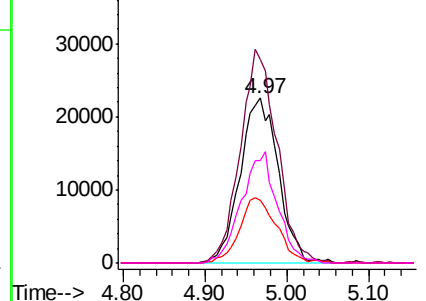


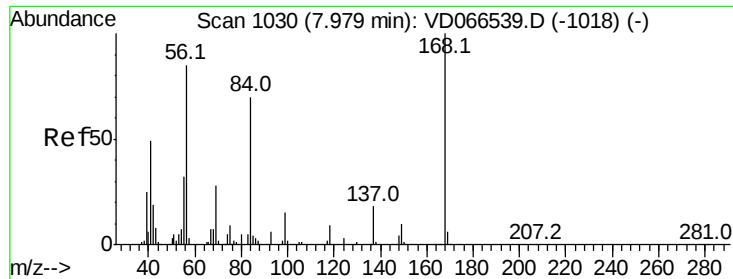
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

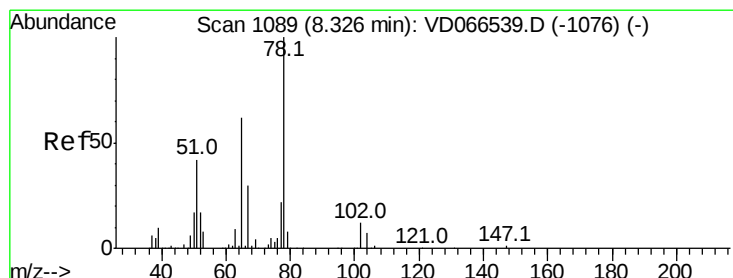
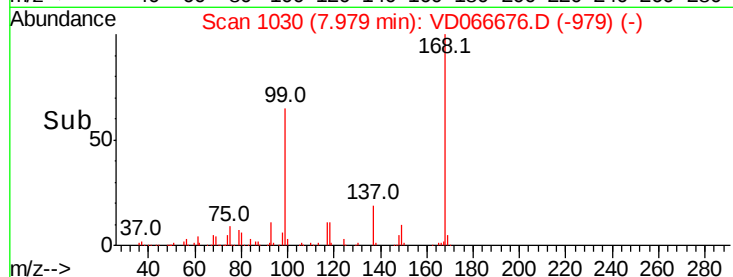
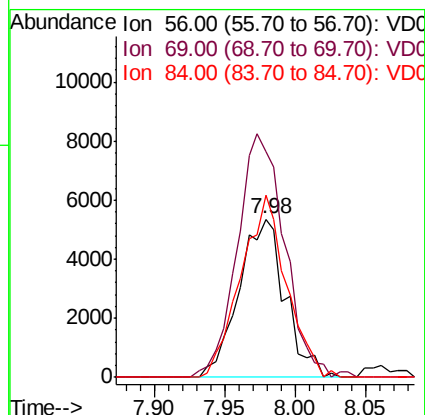
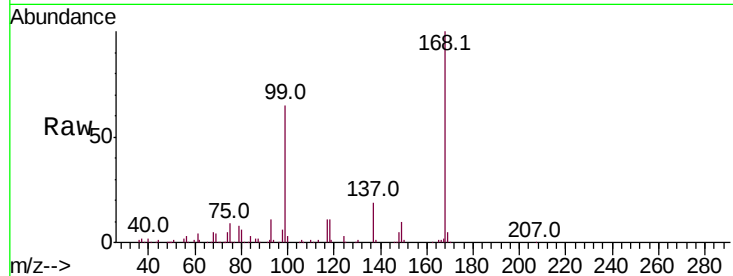




#31
Cyclohexane
Concen: 1.428 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066676.D
Acq: 14 Sep 2020 16:32

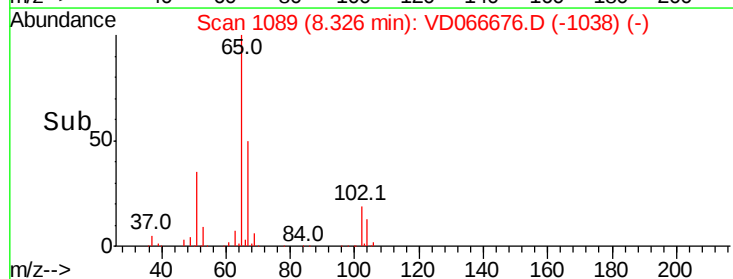
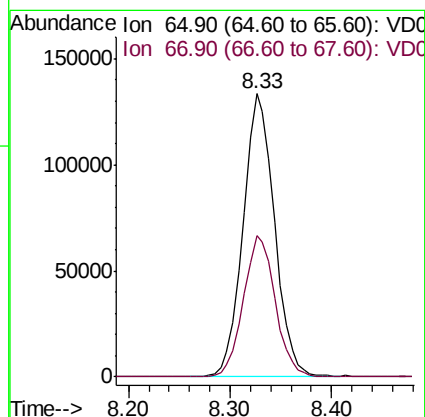
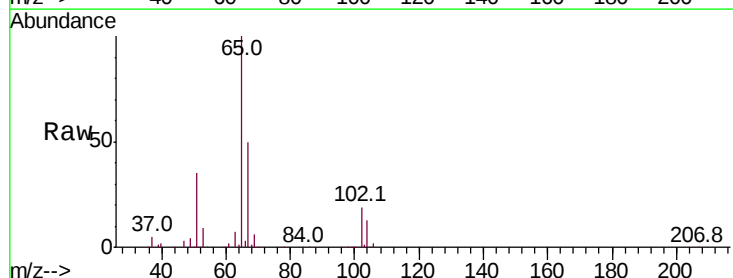
Instrument :
MSVOA_D
ClientSampled :

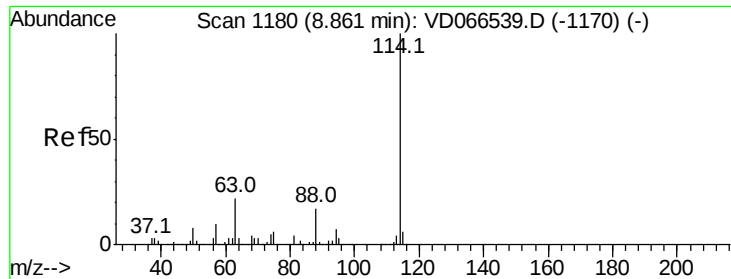
Tot Ion	56	Resp	12305
Ion Ratio	Lower	Upper	
56	100		
69	143.0	26.3	39.5#
84	115.1	66.1	99.1#



#33
1,2-Dichloroethane-d4
Concen: 54.274 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VD066676.D
Acq: 14 Sep 2020 16:32

Tgt Ion	65	Resp	286743
Ion Ratio	Lower	Upper	
65	100		
67	50.4	0.0	102.8

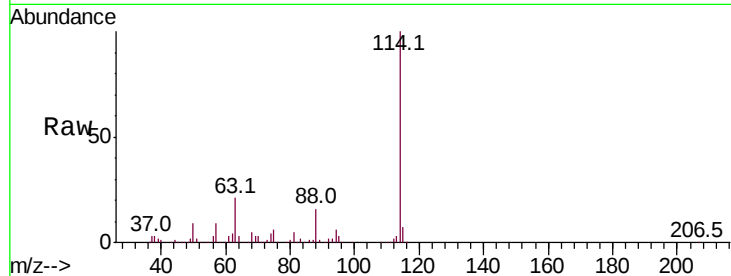




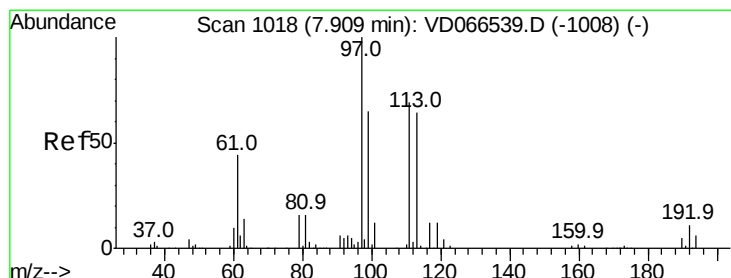
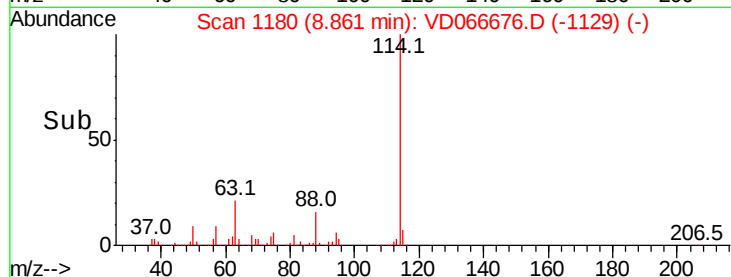
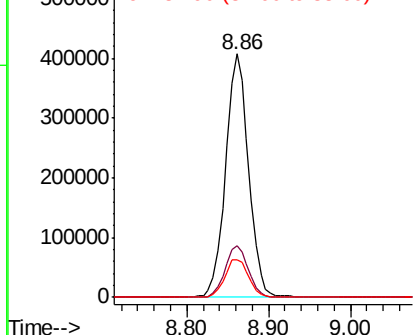
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066676.D
 Acq: 14 Sep 2020 16:32

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:114 Resp: 794155
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 43.2
 88 15.6 0.0 33.2

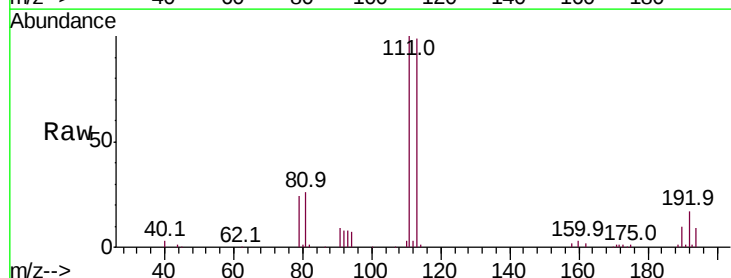


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

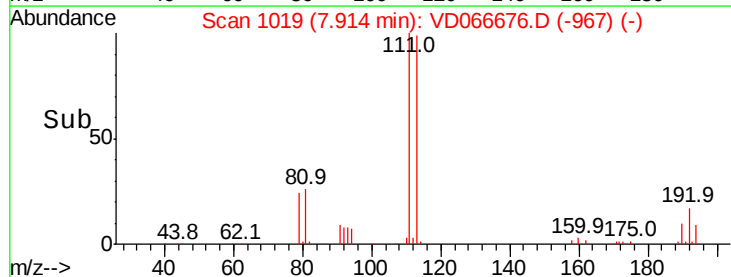
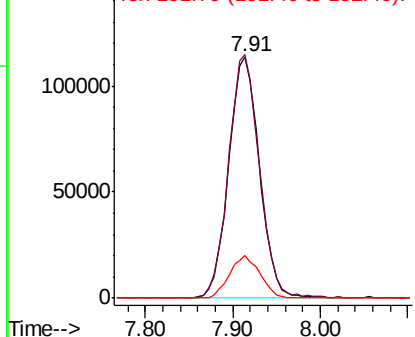


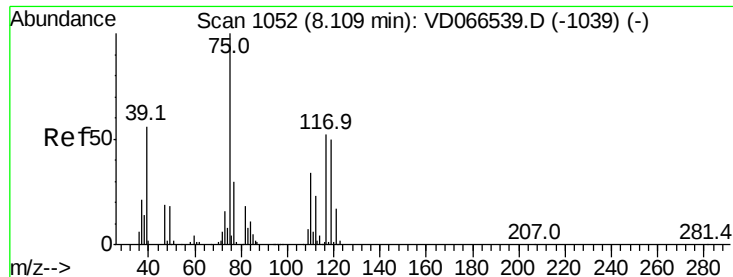
#35
 Dibromofluoromethane
 Concen: 50.793 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066676.D
 Acq: 14 Sep 2020 16:32

Tgt Ion:113 Resp: 272122
 Ion Ratio Lower Upper
 113 100
 111 100.9 83.2 124.8
 192 17.3 13.7 20.5



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: 4.820 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066676.D

Acq: 14 Sep 2020 16:32

Instrument :
MSVOA_D
ClientSampled :

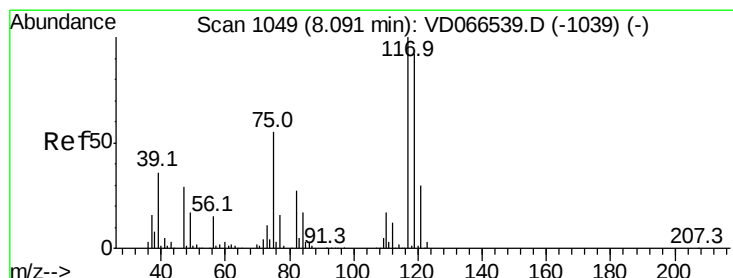
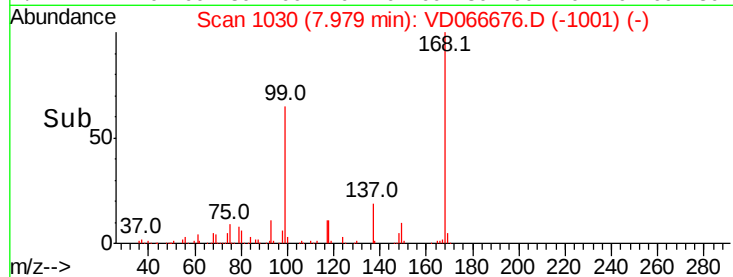
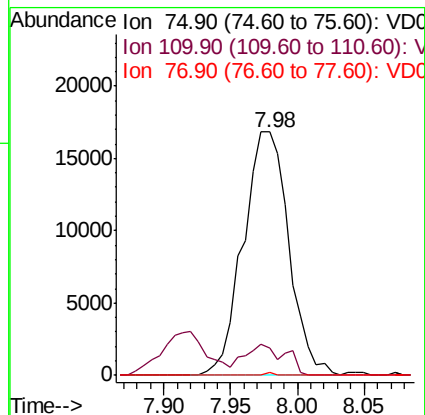
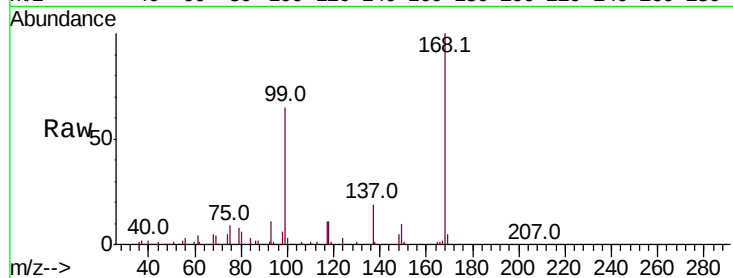
Tot Ion: 75 Resp: 39838

Ion Ratio Lower Upper

75 100

110 11.5 17.3 52.0#

77 0.2 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.906 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066676.D

Acq: 14 Sep 2020 16:32

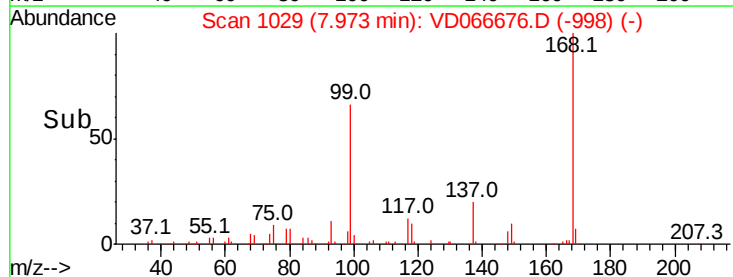
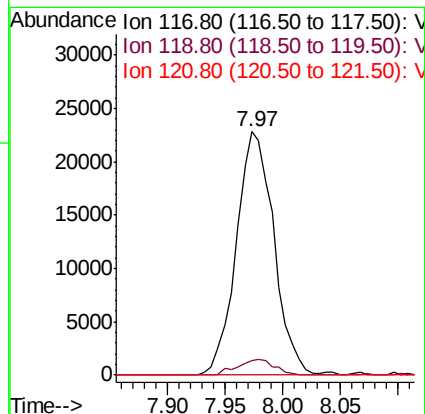
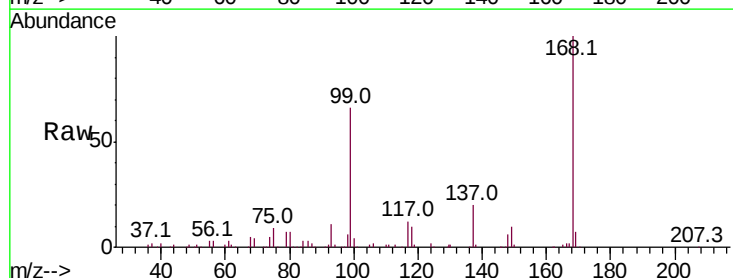
Tgt Ion: 117 Resp: 51595

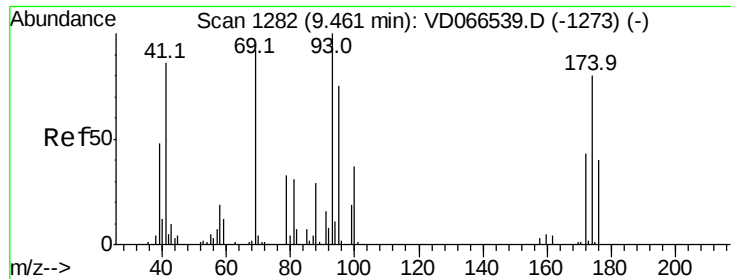
Ion Ratio Lower Upper

117 100

119 6.1 73.9 110.9#

121 0.0 24.1 36.1#

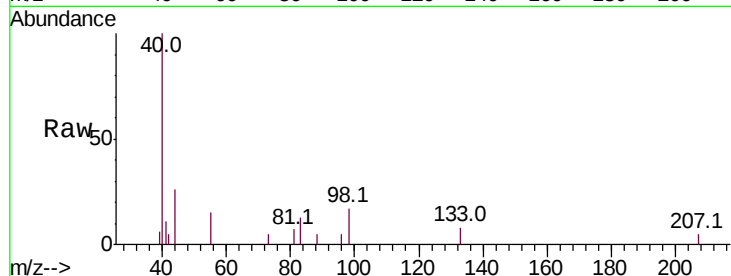




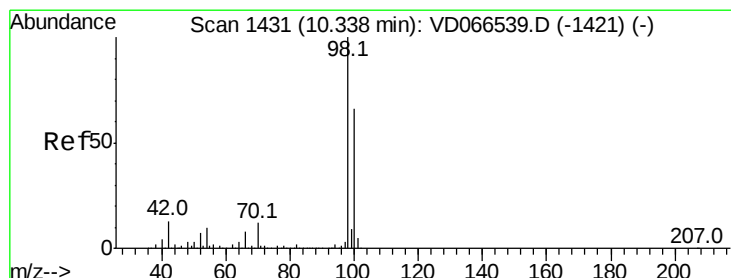
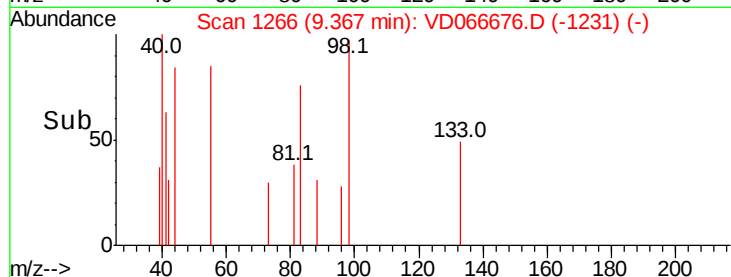
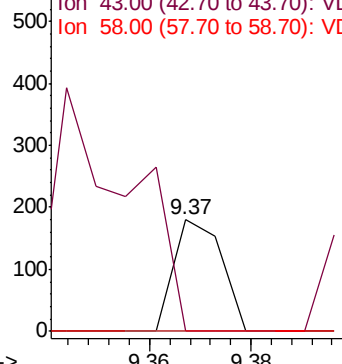
#49
 1,4-Dioxane
 Concen: 3.396 ug/l
 RT: 9.37 min Scan# 1266
 Delta R.T. -0.09 min
 Lab File: VD066676.D
 Acq: 14 Sep 2020 16:32

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 88 Resp: 117
 Ion Ratio Lower Upper
 88 100
 43 0.0 28.3 42.5#
 58 0.0 56.1 84.1#

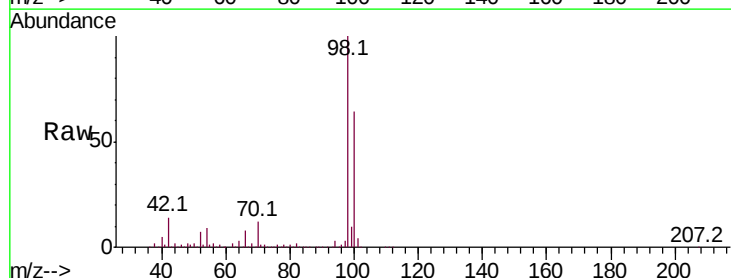


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

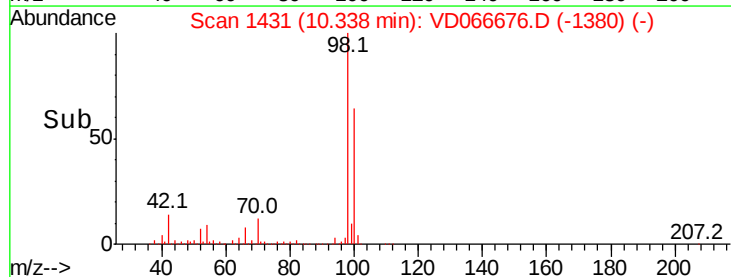
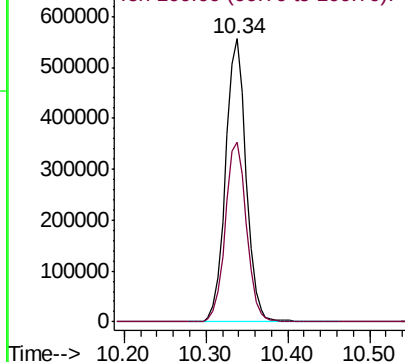


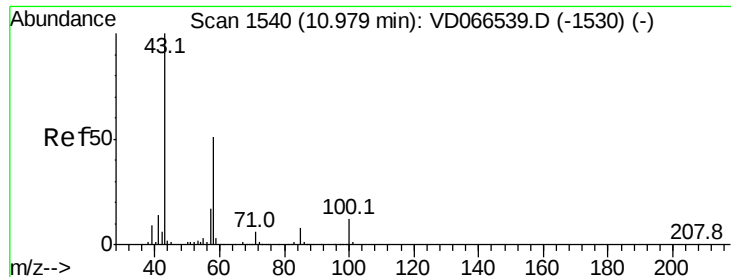
#50
 Toluene-d8
 Concen: 50.799 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: VD066676.D
 Acq: 14 Sep 2020 16:32

Tgt Ion: 98 Resp: 972712
 Ion Ratio Lower Upper
 98 100
 100 65.8 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC
 Ion 100.00 (99.70 to 100.70): VDC

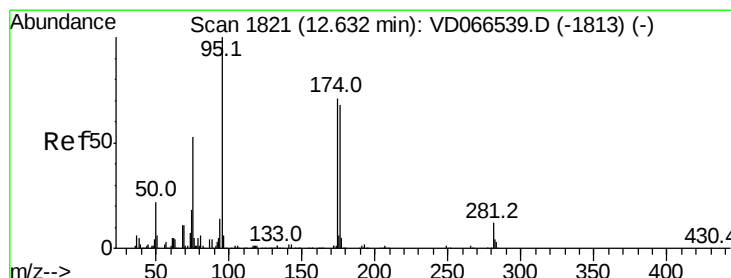
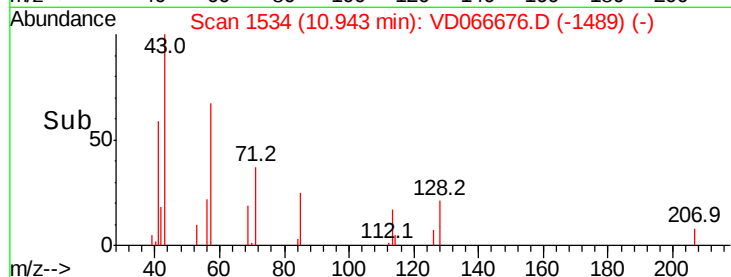
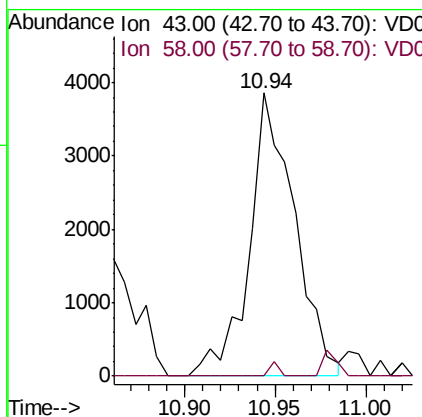
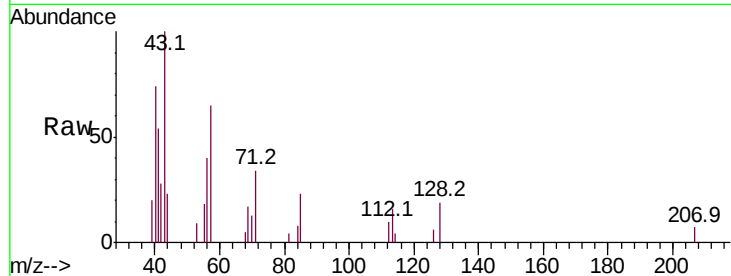




#59
2-Hexanone
Concen: 3.123 ug/l
RT: 10.94 min Scan# 1534
Delta R.T. -0.04 min
Lab File: VD066676.D
Acq: 14 Sep 2020 16:32

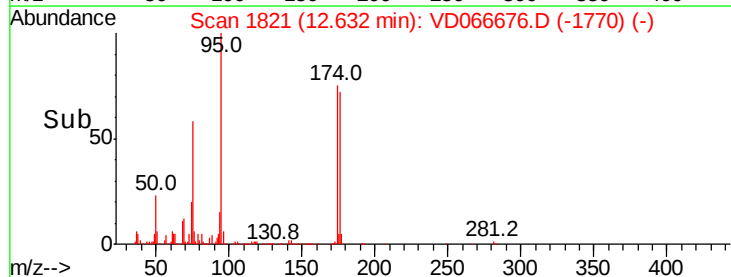
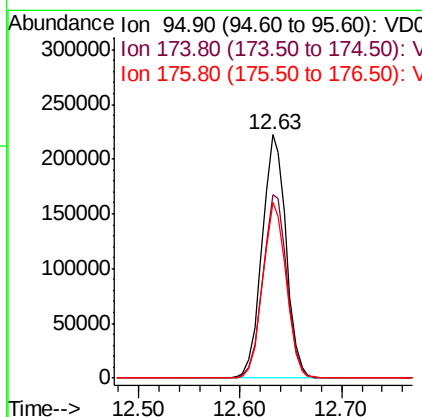
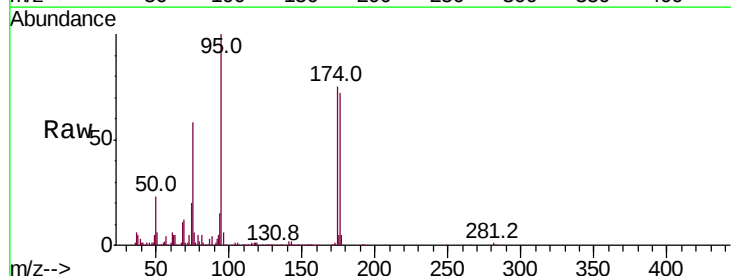
Instrument :
MSVOA_D
ClientSampled :

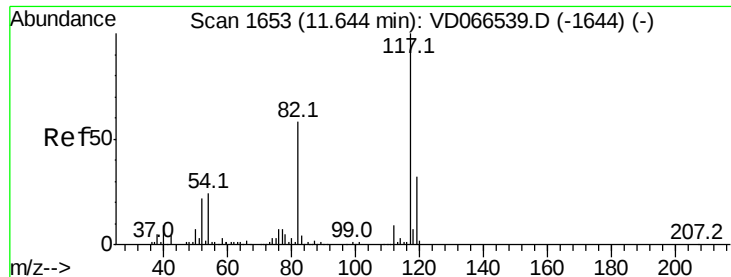
Tot Ion: 43 Resp: 6680
Ion Ratio Lower Upper
43 100
58 1.1 25.6 76.8#



#62
4-Bromofluorobenzene
Concen: 58.238 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066676.D
Acq: 14 Sep 2020 16:32

Tgt Ion: 95 Resp: 369771
Ion Ratio Lower Upper
95 100
174 75.3 0.0 155.8
176 70.6 0.0 148.6

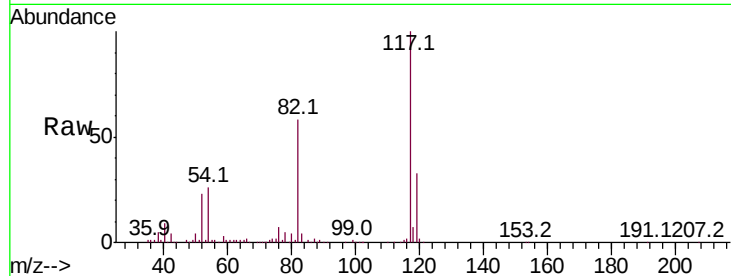




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066676.D
Acq: 14 Sep 2020 16:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	46.2	69.2
119	32.5	25.8	38.8

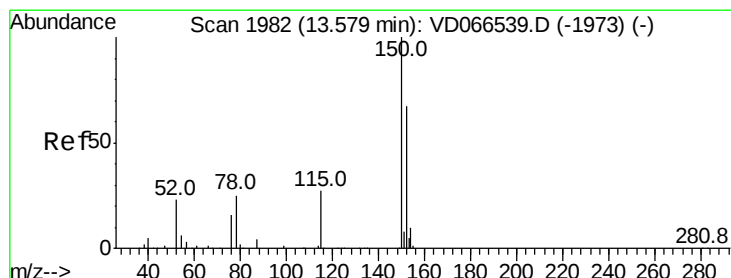
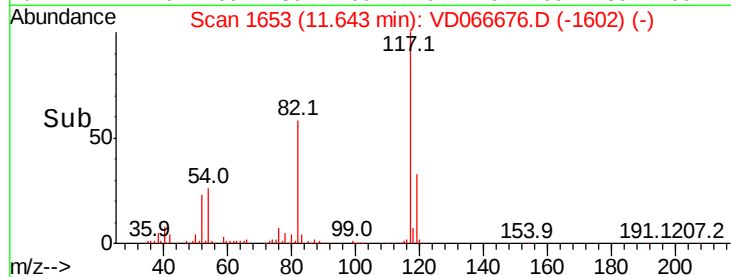
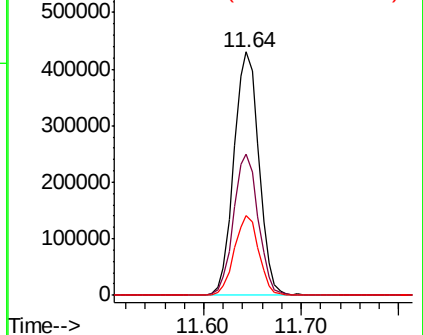


Abundance

Ion 116.90 (116.60 to 117.60): V

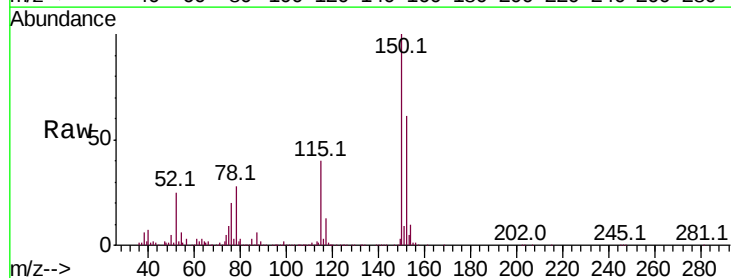
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066676.D
Acq: 14 Sep 2020 16:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.4	30.4	91.2
150	156.1	0.0	345.8

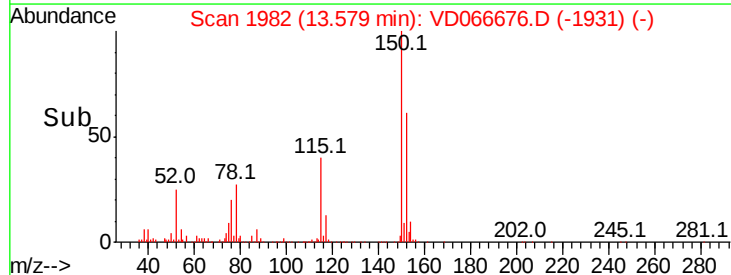
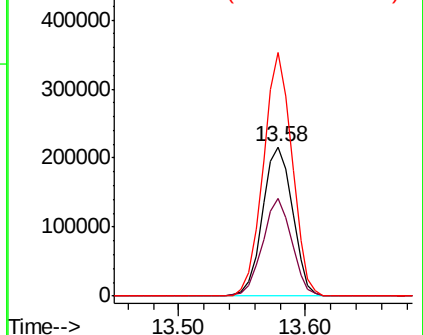


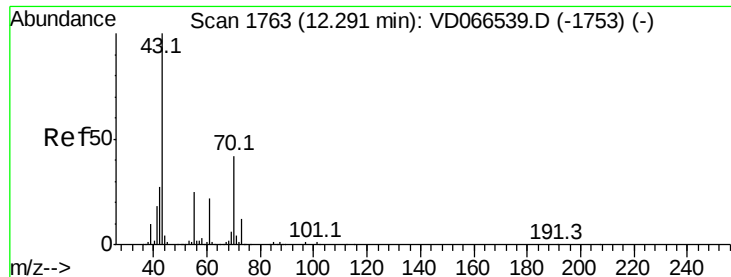
Abundance

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





#74

N-amvl acetate

Concen: 1.074 ug/l

RT: 12.26 min Scan# 1758

Delta R.T. -0.03 min

Lab File: VD066676.D

Acq: 14 Sep 2020 16:32

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 6447

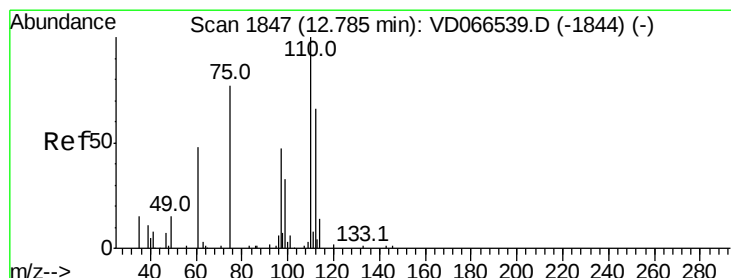
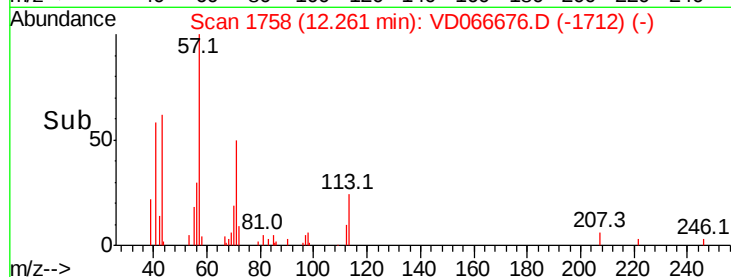
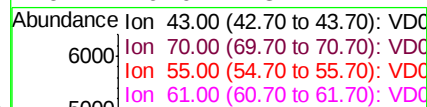
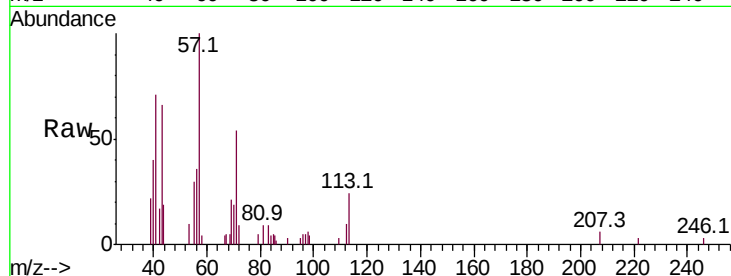
Ion Ratio Lower Upper

43 100

70 26.3 33.4 50.2#

55 28.7 20.1 30.1

61 0.0 18.2 27.2#



#76

1,2,3-Trichloropropane

Concen: 60.452 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066676.D

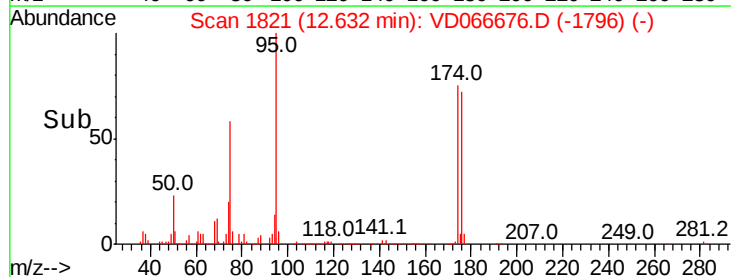
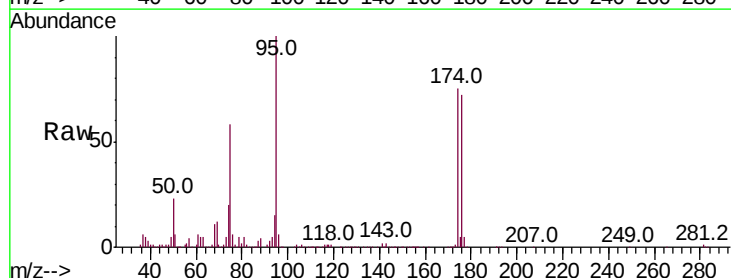
Acq: 14 Sep 2020 16:32

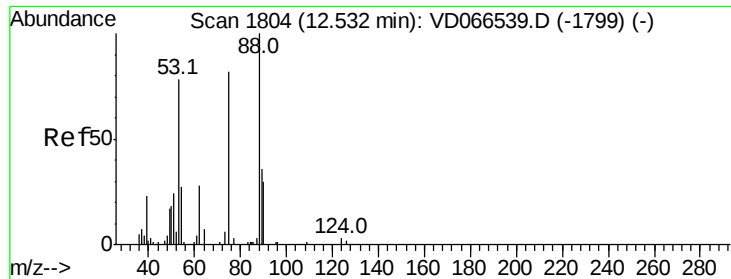
Tgt Ion: 75 Resp: 208150

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 141.134 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066676.D

Acq: 14 Sep 2020 16:32

Instrument :

MSVOA_D

ClientSampleId :

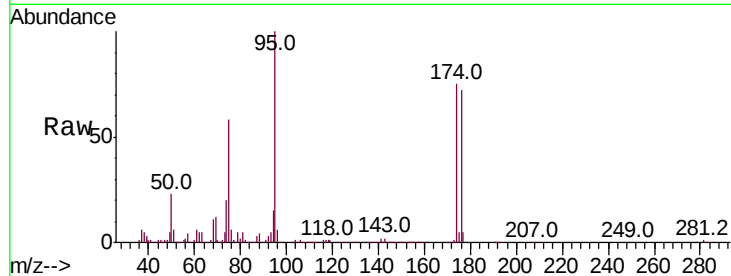
Tot Ion: 75 Resp: 208150

Ion Ratio Lower Upper

75 100

53 0.3 87.0 130.4#

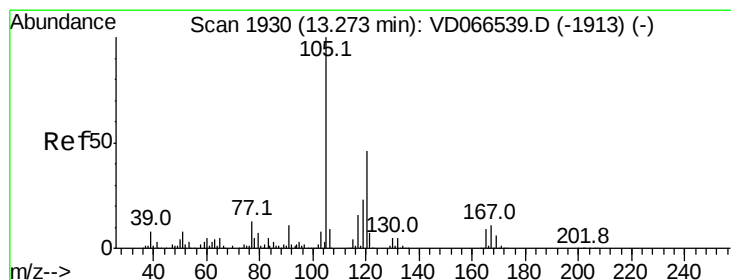
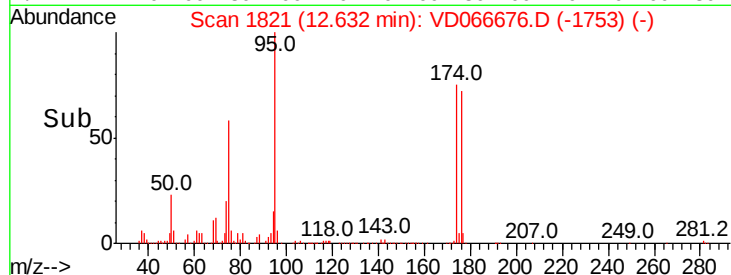
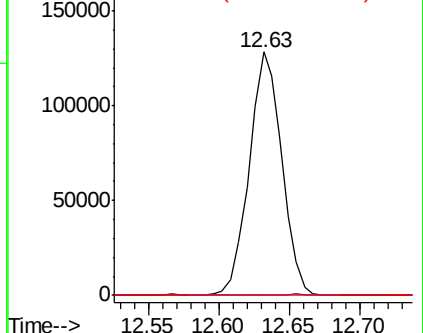
89 0.0 37.1 55.7#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.165 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VD066676.D

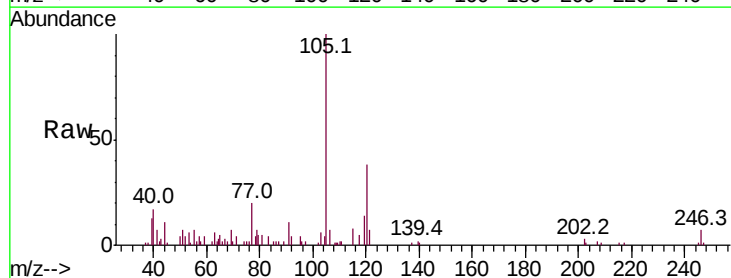
Acq: 14 Sep 2020 16:32

Tgt Ion:105 Resp: 25874

Ion Ratio Lower Upper

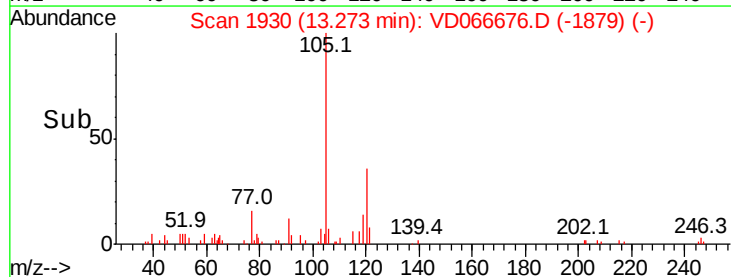
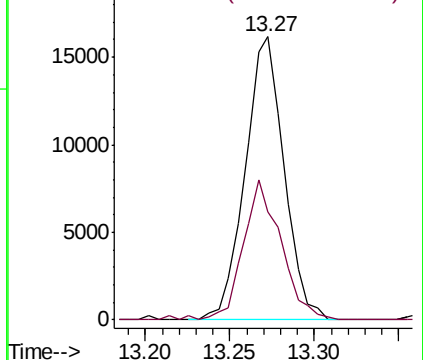
105 100

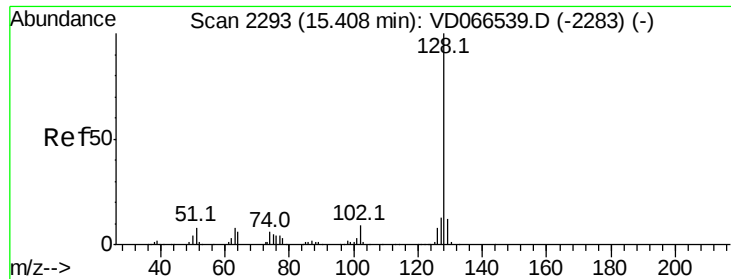
120 47.5 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95
Naphthalene
Concen: 1.011 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD066676.D
Acq: 14 Sep 2020 16:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 10873
Ion Ratio Lower Upper
128 100
127 17.7 10.7 16.1#
129 13.8 9.1 13.7#

